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EN

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V

(Announcements)

ADMINISTRATIVE PROCEDURES

EUROPEAN COMMISSION

NOTICE OF OPEN COMPETITIONS — COM/AD/01/10 AND COM/AD/02/10

*(2010/C 265 A/01)**Are you interested in working for the European Institutions?**Does your profile meet our criteria?**Why not apply?**Give yourself a chance to succeed.*

The European Commission is organising open competitions, based on qualifications and tests, in order to constitute reserve lists from which to appoint AD6 and AD7 Research Administrators ⁽¹⁾.

COM/AD/01/10 — RESEARCH ADMINISTRATORS (AD6)**COM/AD/02/10 — RESEARCH ADMINISTRATORS (AD7)****in the following domain:****CHEMISTRY, BIOLOGY & HEALTH SCIENCES**

Before applying you should read carefully the instructions in the guide published in Official Journal C 184 A of 8 July 2010 and on the EPSO website [http://europa.eu/epso/apply/index_en.htm].

This guide, which forms an integral part of the notice of competition, will help you to understand the rules governing the procedure and how to make an application.

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ANNEXES

⁽¹⁾ Any reference in this notice to a person of the male sex must be deemed also to constitute a reference to a person of the female sex.

I. GENERAL BACKGROUND

Two open competitions, an AD6 and an AD7, in the domain of Chemistry, Biology & Health Sciences are being held to appoint Research Administrators respectively for the European Commission, mainly for the Joint Research Centre (JRC).

The mission of the JRC is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies. As a service of the European Commission, the JRC functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.

The purpose of these two competitions is to draw up reserve lists to fill vacant posts mainly in different Institutes of the JRC, and more particularly, in the Institute for Transuranium Elements in Karlsruhe (ITU), Germany, in the Institute for Reference Materials and Measurements (IRMM) in Geel, Belgium and in the Institute of Health and Consumer Protection (IHCP) in Ispra, Italy.

The number of successful candidates by competition and field as well as the indicative places of work are mentioned below:

Domain	Fields		Number of successful candidates by competition		Institutes/Locations
			AD6	AD7	
Chemistry, Biology and Health Sciences	1	Chemists with background in organo-metallic chemistry, radiation detection, inorganic chemistry, coordination chemistry and/or surface and interface chemistry	7	2	ITU, Karlsruhe (DE)
	2	Scientists with background in radiobiology, cellular and molecular biology and cytotoxicity by irradiation in human cells, or in radioprotection and health physics	5	2	ITU, Karlsruhe (DE)
	3	Analytical Chemists	5	2	IRMM, Geel (BE)
	4	Biochemists with background in DNA, RNA or protein analysis	5	2	IRMM, Geel (BE)
	5	Microbiologists/Molecular Biologists	11	2	IRMM, Geel (BE), IHCP, Ispra (IT)
	6	Toxicologists/Epidemiologists	6	2	IHCP, Ispra (IT)
	7	Nutritionists	6	2	IHCP, Ispra (IT)
Remarks	<p>The Commission is publishing the following competitions in parallel:</p> <ul style="list-style-type: none"> — COM/AD/03/10 — Research Administrators (AD6) in physics — COM/AD/04/10 — Research Administrators (AD7) in physics — COM/AD/05/10 — Research Administrators (AD6) in structural mechanics — COM/AD/06/10 — Research Administrators (AD7) in structural mechanics — COM/AD/07/10 — Research Administrators (AD6) in quantitative policy analysis — COM/AD/08/10 — Research Administrators (AD7) in quantitative policy analysis — COM/AD/09/10 — Research Administrators (AD6) in spatial sciences — COM/AD/10/10 — Research Administrators (AD7) in spatial sciences — COM/AD/11/10 — Research Administrators (AD6) in environmental sciences — COM/AD/12/10 — Research Administrators (AD7) in environmental sciences — COM/AD/13/10 — Research Administrators (AD6) in energy sciences — COM/AD/14/10 — Research Administrators (AD7) in energy sciences — COM/AD/15/10 — Research Administrators (AD6) in communication/information technology — COM/AD/16/10 — Research Administrators (AD7) in communication/information technology <p>If you fulfil all the general and specific conditions (see title III), you may apply for both AD6 and AD7 competitions in several domains, but within a domain, you may apply for only one field, otherwise you will be disqualified. You must make your choice when you apply online and you will not be able to change it after you have confirmed and submitted your online application form.</p>				

II. DUTIES

The detailed duties for each field are described in the Annexes.

Research Administrators (AD6) will, under the supervision of a senior scientist, carry out the relevant duties as members of a research team.

Research Administrators (AD7) will carry out the relevant duties at a high level, both individually and as scientific team leaders.

III. ELIGIBILITY

On the closing date for online applications, you must fulfil all the following general and specific conditions:

1. General conditions

- a) You must be a citizen of one of the Member States of the European Union.
- b) You must enjoy your full rights as a citizen.
- c) You must have fulfilled any relevant military service obligation.
- d) You must meet the character requirements for the duties involved.

2. Conditions specific to the competitions

2.1	Academic qualifications: See point 2 of the Annexes																								
2.2	Professional experience: See point 3 of the Annexes																								
2.3	Knowledge of languages: You must have a main language (language 1) and a second language (language 2) as specified below. You must indicate your chosen languages on the online registration form. You will not be able to change your choices after the final validation of the application.																								
(a) Language 1	Main language: A thorough knowledge of one of the official languages of the European Union; The official languages of the European Union are: <table><tr><td>BG (Bulgarian)</td><td>FI (Finnish)</td><td>NL (Dutch)</td></tr><tr><td>CS (Czech)</td><td>FR (French)</td><td>PL (Polish)</td></tr><tr><td>DA (Danish)</td><td>GA (Irish)</td><td>PT (Portuguese)</td></tr><tr><td>DE (German)</td><td>HU (Hungarian)</td><td>RO (Romanian)</td></tr><tr><td>EL (Greek)</td><td>IT (Italian)</td><td>SK (Slovak)</td></tr><tr><td>EN (English)</td><td>LT (Lithuanian)</td><td>SL (Slovenian)</td></tr><tr><td>ES (Spanish)</td><td>LV (Latvian)</td><td>SV (Swedish)</td></tr><tr><td>ET (Estonian)</td><td>MT (Maltese)</td><td></td></tr></table>	BG (Bulgarian)	FI (Finnish)	NL (Dutch)	CS (Czech)	FR (French)	PL (Polish)	DA (Danish)	GA (Irish)	PT (Portuguese)	DE (German)	HU (Hungarian)	RO (Romanian)	EL (Greek)	IT (Italian)	SK (Slovak)	EN (English)	LT (Lithuanian)	SL (Slovenian)	ES (Spanish)	LV (Latvian)	SV (Swedish)	ET (Estonian)	MT (Maltese)	
BG (Bulgarian)	FI (Finnish)	NL (Dutch)																							
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ES (Spanish)	LV (Latvian)	SV (Swedish)																							
ET (Estonian)	MT (Maltese)																								
and																									
(b) Language 2	Second language (must be different from language 1): A satisfactory knowledge of English, French or German.																								

IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE

1. Admission to the competitions

The information given in your online application will be checked against the general and specific conditions to identify those applicants who satisfy the eligibility requirements for the competitions.

2. Invitation to the assessment centre: selection on the basis of qualifications

To identify candidates who will be admitted to the assessment centre, the selection board will select candidates on the basis of their qualifications after having established the criteria by which it will assess those qualifications. Candidates will be selected on the basis of the information given in their online application forms. The selection board will select those candidates who satisfy the eligibility conditions and who possess the qualifications (especially diplomas, publications in peer reviewed journals and academic and/or professional experience) that are most relevant in terms of quality and level to the nature of the duties described in the competition notice (see point 4 of the Annexes). Selection will be on the basis of the following marking scheme:

- a) each selection criterion is weighted between 1 and 3, according to how important the board considers it to be;
- b) the selection board will give a mark of between 1 and 4 for each criterion, depending on the candidate's qualifications.

It will then draw up a list ⁽²⁾ of candidates in the order of the marks awarded.

The number of candidates admitted to the assessment centre will be at maximum three times ⁽³⁾ the number of successful candidates indicated in section I of this competition notice and will be published on EPSO's website (www.eu-careers.eu).

3. Verification of information given by candidates

Following the assessment centre session and in the light of the results from this session, the information given by candidates in their online applications will be verified against the general conditions by EPSO and against the specific conditions and selection criteria by the selection board. If verification shows that the information given is not borne out by the appropriate supporting documents, candidates will be eliminated from the competition.

Applications are verified for candidates with pass marks who obtained the best aggregate marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition in the assessment centre session, in descending order of merit (see section V). Candidates must also have obtained pass marks in the aptitude tests (a), (b), and (c) (see section V). Verification will continue until the threshold number of candidates is reached who can be placed on the reserve list and actually fulfil all the conditions for admission. The files of candidates below this threshold will not be examined.

V. OPEN COMPETITIONS

1. Invitation to the assessment centre	<p>You will be invited ⁽⁴⁾ to attend an assessment centre session if:</p> <ul style="list-style-type: none"> — the information given in your online application shows that you fulfil the general and specific conditions listed in section III; and — you obtained one of the highest marks in the selection based on qualifications (see point 2 of section IV).
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⁽²⁾ Candidates not invited to the assessment centre can obtain a copy of the selection board's evaluation sheet concerning their qualifications by submitting a request within 10 days of being notified of the results.

⁽³⁾ Notwithstanding a possible increase in the number of candidates invited to the assessment centre as part of the AD6 competition, up to the number of candidates invited as part of both the AD6 and AD7 competitions in the same field.

⁽⁴⁾ Where a number of candidates tie for the last available place, they will all be invited to the assessment centre.

2. Assessment centre	<p>You will be invited to attend an assessment centre in Brussels for tests.</p> <p>Only one Assessment Centre will be established for both competitions (AD6 and AD7). Candidates that have applied for both competitions within one domain and who fulfil the conditions foreseen under point 1, section V, will receive only one convocation.</p> <p>The tests for the AD6 and AD7 competitions are the same except for an additional test in the field chosen for the AD7 competition. The marking of the reasoning tests and the tests on general and specific competencies will be adapted depending on the grade of the competition.</p> <p>You will be assessed on your Reasoning skills on the basis of the following elements (see point 4 of the guide to open competitions and examples on the EPSO website [http://europa.eu/epso/apply/index_en.htm]):</p> <ul style="list-style-type: none"> a) Verbal reasoning b) Numerical reasoning c) Abstract reasoning <p>You will be also assessed on your Specific competencies in the chosen field and on the following General competencies:</p> <ul style="list-style-type: none"> Analysis and problem solving Communicating Delivering quality and results Learning and development Prioritising and organising Resilience Working with others Leadership <p>Details on these competencies are set out in point 1.2 of the guide to open competitions.</p> <p>The specific and the general competencies are tested by means of:</p> <ul style="list-style-type: none"> d) A written case study in the chosen field e) A group exercise f) A structured interview g) For AD7 only: an additional written test in the chosen field
Language of tests	<p>Tests a) to f) and, if applicable, test g): language 2 (German, English or French)</p> <p>Test d): During this test your knowledge of your language 1 (main language) will also be tested.</p>
Marking	<p>Reasoning skills</p> <ul style="list-style-type: none"> a) Verbal reasoning: marked with 0-20 points b) Numerical reasoning: marked with 0-10 points c) Abstract reasoning: marked with 0-10 points <p>AD6: The pass marks for tests a), b) and c) together is 20 points</p> <p>AD7: The pass mark for test a) is 10 points The pass mark for test b) and c) together is 10 points</p> <p>You have to obtain the pass mark for tests a), b) and c) but these points will not be added to the results of tests d), e), f) and, if applicable, g).</p> <p>Specific competencies</p> <p>Both for AD6 and AD7 competitions, your specific competencies tested in d), e) and f) will be marked with 0-100 points.</p> <p>Pass mark: 50 points</p> <p>For AD7 only: your specific competencies tested in the additional test g) will be marked with 0-30 points.</p> <p>Pass mark: 15 points</p> <p>General competencies</p> <p>Your total general competencies will be marked with 0-80 points</p> <p>Pass mark:</p> <p>AD6: 40 points for the total of the 8 general competencies.</p> <p>AD7: 3 points for each general competency and 40 points for the total of the 8 general competencies.</p>

VI. RESERVE LISTS

1. Candidates placed on the reserve list	<p>The selection board will draw up a reserve list for each competition (an AD6 list and an AD7 list) and will place your name on the AD6 and/or AD7 reserve list ⁽⁵⁾ if you are among the candidates who satisfy all the conditions set out in section V and if you have obtained pass marks in all of the tests and one of the highest marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition (see section V). The number of successful candidates per competition and per field is limited to that shown in section I, notwithstanding a possible increase in the number of successful candidates on the AD6 reserve list, up to the number of successful candidates placed both on the AD6 and AD7 reserve list in the same field.</p> <p>The reserve lists will be valid until 31 December 2012.</p>
2. Classification	<p>The reserve lists will be established by merit group for each field. The candidates names will be listed in alphabetical order within each merit group.</p>
3. Place of appointment	<p>Candidates placed on the reserve list(s) will be eligible for appointment as Research Administrators in the European Commission, mainly at the JRC sites, as indicated in section I.</p> <p>Considering the decentralised JRC site locations across Europe (Ispra, Seville, Karlsruhe, Petten, Geel, Brussels), the JRC is dedicated to aid newcomer officials to better integrate professionally and their spouses and families to better adapt to their new social environment.</p>

VII. HOW TO APPLY

1. Online application	<p>You must apply online following the instructions on the EPSO website.</p> <p>Deadline: 4 November 2010 at 12.00 (midday), Brussels time.</p>
2. Submission of application files	<p>If you are one of the candidates invited to the assessment centre, you will be asked to submit a full application file (signed online application form and supporting documents).</p> <p>Closing date: You will be informed of the closing date via your EPSO account.</p> <p>Procedure: See point 2.2 of the guide to open competitions.</p>

⁽⁵⁾ Where a number of candidates tie for the last available place, they will all be placed on the reserve list.

ANNEX I

Field 1: Chemists with background in organo-metallic chemistry, radiation detection, inorganic chemistry, coordination chemistry and/or surface and interface chemistry:

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- analysis and evaluation of experiments results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- laboratory work

2. Academic qualifications

Diploma in chemistry, physics, material sciences or engineering, computer science or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2 of section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - compound and material synthesis by dry or wet routes
 - standard analytical techniques such as ICP-MS, ICP-OES spectrometry
 - nuclear analytical techniques including radiometric techniques (alpha-spectrometry, gamma-spectrometry, liquid scintillation counting)
 - separation technology such as solvent extraction, ion exchange
 - chromatography, electrophoresis
 - magneto-chemistry and characterisation techniques (X-ray diffraction and absorption/emission ultraviolet-visible spectroscopy, infrared spectroscopy, Raman, NMR)
 - theoretical ab initio/molecular dynamics approaches
 - knowledge of the nuclear fuel cycle

ANNEX II

Field 2: Scientists with background in radiobiology, cellular and molecular biology and cytotoxicity by irradiation in human cells, or in radioprotection and health physics:

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- analysis and evaluation of experiments results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- laboratory work

2. Academic qualifications

Diploma in medicine, biology or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field as described below:

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2 of section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - radiobiology
 - cellular and molecular biology
 - cytotoxicity by irradiation in human cells
 - radio protection and health physics (e.g. legal requirements concerning physical protection, radioactive waste management, radioactive transports, storage and bookkeeping of fissile materials, health and safety at work)
 - knowledge of the nuclear fuel cycle
-

ANNEX III

Field 3: Analytical Chemists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- analysis and evaluation of experiments results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- laboratory work
- participation in R&D projects

Application fields include: Food analysis, environmental analysis, analysis of industrial samples and measurements of electrolytes and small molecules in clinical samples

2. Academic qualifications

Diploma in chemistry, biology, pharmacy or another scientific discipline based on chemical measurements at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2 of section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - development of certified reference materials and of standard and reference measurement methods
 - organisation of interlaboratory comparisons for characterisation of reference materials
 - method validation and proficiency testing
 - development, validation and implementation of analytical methods and ensuring their performance in an ISO 17025 compliant setting
 - technical and statistical data analysis of intercomparison studies
-

ANNEX IV

Field 4: Biochemists with background in DNA, RNA or protein analysis

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- analysis and evaluation of experiments results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- laboratory work
- participation in R&D projects.

Application fields include clinical and laboratory medicine, food allergens, GMO, food authenticity.

2. Academic qualifications

Diploma in biochemistry, chemistry, biology or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2 of section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - development, implementation and application of techniques for the characterisation, identification and/or quantification of nucleic acids, e.g. DNA sequencing, PCR-based techniques, gel electrophoresis, gene expression arrays
 - development, implementation and application of techniques for the characterisation, identification and/or quantification measurements of proteins, e.g. gel electrophoresis techniques, LC-MS, chromatography, immunoassays
 - conduction of qualitative and quantitative measurements in the field of biochemistry, data evaluation and their critical review under ISO/IEC 17025
 - development of concepts for the reliable characterisation and quantification of proteins and nucleic acids and their validation
 - development of certified reference materials for the field of biochemistry and life sciences under ISO Guide 34 accreditation
 - communication of results
-

ANNEX V

Field 5: Microbiologists/Molecular Biologists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- analysis and evaluation of experiments results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- laboratory work
- participation in R&D projects

2. Academic qualifications

Diploma in microbiology/molecular biology, biology, chemistry, or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2 of section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - development of the appropriate approaches and methods for the preparation and characterisation of reference materials in microbiology/virology certified for the identity or quantity of bacterial or pathogens or relevant indicators
 - development and implementation of techniques for the characterisation of viral and bacterial pathogens applying e. g. classical microbiological culture and enumeration techniques, immunological methods as well as molecular biology methods such as PCR, cloning, sequence analysis, virus culture and neutralisation assays
 - conduction of qualitative and quantitative measurements in the field of microbiology, data evaluation and their critical review under ISO/IEC 17025

- development of concepts for the reliable quantification of pathogen related antigens/fragments and nucleic acids and their validation
 - development of certified reference materials required in the field of microbiology and virology under ISO Guide 34
 - working safely and securely in bio safety level 2 and 3 facilities with bacterial pathogens or virulent virus
 - studies of toxicogenomics in use for hazard assessment of chemicals
 - genetic testing methods standardisation
-

ANNEX VI

Field 6: Toxicologists/Epidemiologists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- analysis and evaluation of experiments results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- laboratory work
- participation in R&D projects

2. Academic qualifications

Diploma in chemistry, biology, medicine or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - in-vitro methods in human toxicology
 - systems toxicology methods for integrated testing and human health risk assessment
 - computational toxicology methods for use in human health risk assessment
 - epidemiological analyses and models for public health impact assessment
 - research and validation studies on in vitro and in silico methods for toxicological testing
 - contribution to the development of integrated testing methods for hazard assessment
 - development of computational toxicology methods such as quantitative structure-activity
 - relationships and decision analytical methods for hazard assessment of chemicals
 - development and use of physiology-based biokinetic modelling techniques for health impact assessment
 - development and use of state-of-the-art epidemiological models and techniques for public health impact assessment

ANNEX VII

Field 7: Nutritionists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- analysis and evaluation of experiments results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- laboratory work

2. Academic qualifications

Diploma in nutritional sciences, medical sciences or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - provision of scientific advice in the area of nutrition
 - critical assessment of scientific reports concerning health/benefits
 - response to queries in the field of nutrition and health
-

NOTICE OF OPEN COMPETITIONS — COM/AD/03/10 AND COM/AD/04/10

(2010/C 265 A/02)

Are you interested in working for the European Institutions?***Does your profile meet our criteria?******Why not apply?******Give yourself a chance to succeed.***

The European Commission is organising open competitions, based on qualifications and tests, in order to constitute reserve lists from which to appoint AD6 and AD7 Research Administrators ⁽¹⁾.

COM/AD/03/10 — RESEARCH ADMINISTRATORS (AD6)**COM/AD/04/10 — RESEARCH ADMINISTRATORS (AD7)****in the following domain:****PHYSICS**

Before applying you should read carefully the instructions in the guide published in Official Journal C 184 A of 8 July 2010 and on the EPSO website [http://europa.eu/epso/apply/index_en.htm].

This guide, which forms an integral part of the notice of competition, will help you to understand the rules governing the procedure and how to make an application.

CONTENTS

- I. GENERAL BACKGROUND**
- II. DUTIES**
- III. ELIGIBILITY**
- IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE**
- V. OPEN COMPETITIONS**
- VI. RESERVE LISTS**
- VII. HOW TO APPLY**
- ANNEXES**

I. GENERAL BACKGROUND

Two open competitions, an AD6 and an AD7, in the domain of Physics are being held to appoint Research Administrators respectively for the European Commission, mainly for the Joint Research Centre (JRC).

The mission of the JRC is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies. As a service of the European Commission, the JRC functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.

The purpose of these competitions is to draw up reserve lists to fill vacant posts mainly in different Institutes of the JRC, and more particularly, in the Institute for Transuranium Elements in Karlsruhe (ITU), Germany and in the Institute for Reference Materials and Measurements (IRMM) in Geel, Belgium.

⁽¹⁾ Any reference in this notice to a person of the male sex must be deemed also to constitute a reference to a person of the female sex.

The number of successful candidates by competition and field as well as the indicative places of work are mentioned below:

Domain	Fields		Number of successful candidates by competition		Institutes/Locations
			AD6	AD7	
Physics	1	Physicists with a background in condensed matter theory	5	2	ITU, Karlsruhe (DE)
	2	Materials scientists-physicists-engineers with a knowledge of the properties and applications of ceramic materials	5	2	ITU, Karlsruhe (DE)
	3	Radio physicists	5	2	IRMM, Geel (BE)
Remarks	<p>The Commission is publishing the following competitions in parallel:</p> <ul style="list-style-type: none"> — COM/AD/01/10 — Research Administrators (AD6) in chemistry, biology and health sciences — COM/AD/02/10 — Research Administrators (AD7) in chemistry, biology and health sciences — COM/AD/05/10 — Research Administrators (AD6) in structural mechanics — COM/AD/06/10 — Research Administrators (AD7) in structural mechanics — COM/AD/07/10 — Research Administrators (AD6) in quantitative policy analysis — COM/AD/08/10 — Research Administrators (AD7) in quantitative policy analysis — COM/AD/09/10 — Research Administrators (AD6) in spatial sciences — COM/AD/10/10 — Research Administrators (AD7) in spatial sciences — COM/AD/11/10 — Research Administrators (AD6) in environmental sciences — COM/AD/12/10 — Research Administrators (AD7) in environmental sciences — COM/AD/13/10 — Research Administrators (AD6) in energy sciences — COM/AD/14/10 — Research Administrators (AD7) in energy sciences — COM/AD/15/10 — Research Administrators (AD6) in communication/information technology — COM/AD/16/10 — Research Administrators (AD7) in communication/information technology <p>If you fulfil all the general and specific conditions (see title III), you may apply for both AD6 and AD7 competitions in several domains, but within a domain, you may apply for only one field, otherwise you will be disqualified. You must make your choice when you apply online and you will not be able to change it after you have confirmed and submitted your online application form.</p>				

II. DUTIES

The detailed duties for each field are described in the Annexes.

Research Administrators (AD6) will, under the supervision of a senior scientist, carry out the relevant duties as member of a research team.

Research Administrators (AD7) will carry out the relevant duties at a high level, both individually and as scientific team leaders.

III. ELIGIBILITY

On the closing date for online applications, you must fulfil all the following general and specific conditions:

1. General conditions

- a) You must be a citizen of one of the Member States of the European Union.
- b) You must enjoy your full rights as a citizen.
- c) You must have fulfilled any relevant military service obligation.
- d) You must meet the character requirements for the duties involved.

2. Conditions specific to the competitions

2.1	Academic qualifications: See point 2 of the Annexes
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2.2	Professional experience: See point 3 of the Annexes																								
2.3	Knowledge of languages: You must have a main language (language 1) and a second language (language 2) as specified below. You must indicate your chosen languages on the online registration form. You will not be able to change your choices after the final validation of the application.																								
(a) Language 1	Main language: A thorough knowledge of one of the official languages of the European Union; The official languages of the European Union are: <table><tr><td>BG (Bulgarian)</td><td>FI (Finnish)</td><td>NL (Dutch)</td></tr><tr><td>CS (Czech)</td><td>FR (French)</td><td>PL (Polish)</td></tr><tr><td>DA (Danish)</td><td>GA (Irish)</td><td>PT (Portuguese)</td></tr><tr><td>DE (German)</td><td>HU (Hungarian)</td><td>RO (Romanian)</td></tr><tr><td>EL (Greek)</td><td>IT (Italian)</td><td>SK (Slovak)</td></tr><tr><td>EN (English)</td><td>LT (Lithuanian)</td><td>SL (Slovenian)</td></tr><tr><td>ES (Spanish)</td><td>LV (Latvian)</td><td>SV (Swedish)</td></tr><tr><td>ET (Estonian)</td><td>MT (Maltese)</td><td></td></tr></table>	BG (Bulgarian)	FI (Finnish)	NL (Dutch)	CS (Czech)	FR (French)	PL (Polish)	DA (Danish)	GA (Irish)	PT (Portuguese)	DE (German)	HU (Hungarian)	RO (Romanian)	EL (Greek)	IT (Italian)	SK (Slovak)	EN (English)	LT (Lithuanian)	SL (Slovenian)	ES (Spanish)	LV (Latvian)	SV (Swedish)	ET (Estonian)	MT (Maltese)	
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and																									
(b) Language 2	Second language (must be different from language 1): A satisfactory knowledge of English, French or German.																								

IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE

1. Admission to the competitions

The information given in your online application will be checked against the general and specific conditions to identify those applicants who satisfy the eligibility requirements for the competitions.

2. Invitation to the assessment centre: selection on the basis of qualifications

To identify candidates who will be admitted to the assessment centre, the selection board will select candidates on the basis of their qualifications after having established the criteria by which it will assess those qualifications. Candidates will be selected on the basis of the information given in their online application forms. The selection board will select those candidates who satisfy the eligibility conditions and who possess the qualifications (especially diplomas, publications in peer reviewed journals and academic and/or professional experience) that are most relevant in terms of quality and level to the nature of the duties described in the competition notice (see point 4 of the Annexes). Selection will be on the basis of the following marking scheme:

- each selection criterion is weighted between 1 and 3, according to how important the board considers it to be;
- the selection board will give a mark of between 1 and 4 for each criterion, depending on the candidate's qualifications.

It will then draw up a list ⁽²⁾ of candidates in the order of the marks awarded.

The number of candidates admitted to the assessment centre will be at maximum three times ⁽³⁾ the number of successful candidates indicated in section I of this competition notice and will be published on EPSO's website (www.eu-careers.eu).

⁽²⁾ Candidates not invited to the assessment centre can obtain a copy of the selection board's evaluation sheet concerning their qualifications by submitting a request within 10 days of being notified of the results.

⁽³⁾ Notwithstanding a possible increase in the number of candidates invited to the assessment centre as part of the AD6 competition, up to the number of candidates invited as part of both the AD6 and AD7 competitions in the same field.

3. Verification of information given by candidates

Following the assessment centre session and in the light of the results from this session, the information given by candidates in their online applications will be verified against the general conditions by EPSO and against the specific conditions and selection criteria by the selection board. If verification shows that the information given is not borne out by the appropriate supporting documents, candidates will be eliminated from the competition.

Applications are verified for candidates with pass marks who obtained the best aggregate marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition in the assessment centre session, in descending order of merit (see section V). Candidates must also have obtained pass marks in the aptitude tests (a), (b), and (c) (see section V). Verification will continue until the threshold number of candidates is reached who can be placed on the reserve list and actually fulfil all the conditions for admission. The files of candidates below this threshold will not be examined.

V. OPEN COMPETITIONS

1. Invitation to the assessment centre	<p>You will be invited (*) to attend an assessment centre session if:</p> <ul style="list-style-type: none"> — the information given in your online application shows that you fulfil the general and specific conditions listed in section III; and — you obtained one of the highest marks in the selection based on qualifications (see point 2 of section IV).
2. Assessment centre	<p>You will be invited to attend an assessment centre in Brussels for tests.</p> <p>Only one Assessment Centre will be established for both competitions (AD6 and AD7). Candidates that have applied for both competitions within one domain and who fulfil the conditions foreseen under point 1, section V, will receive only one convocation.</p> <p>The tests for the AD6 and AD7 competitions are the same except for an additional test in the field chosen for the AD7 competition. The marking of the reasoning tests and the tests on general and specific competencies will be adapted depending on the grade of the competition.</p> <p>You will be assessed on your Reasoning skills on the basis of the following elements (see point 4 of the guide to open competitions and examples on the EPSO website [http://europa.eu/epso/apply/index_en.html]):</p> <ul style="list-style-type: none"> a) Verbal reasoning b) Numerical reasoning c) Abstract reasoning <p>You will be also assessed on your Specific competencies in the chosen field and on the following General competencies:</p> <ul style="list-style-type: none"> Analysis and problem solving Communicating Delivering quality and results Learning and development Prioritising and organising Resilience Working with others Leadership <p>Details on these competencies are set out in point 1.2 of the guide to open competitions.</p> <p>The specific and the general competencies are tested by means of:</p> <ul style="list-style-type: none"> d) A written case study in the chosen field e) A group exercise f) A structured interview g) For AD7 only: an additional written test in the chosen field

(*) Where a number of candidates tie for the last available place, they will all be invited to the assessment centre.

Language of tests	<p>Tests a) to f) and, if applicable, test g): language 2 (German, English or French)</p> <p>Test d): During this test your knowledge of your language 1 (main language) will also be tested.</p>
Marking	<p>Reasoning skills</p> <p>a) Verbal reasoning: marked with 0-20 points</p> <p>b) Numerical reasoning: marked with 0-10 points</p> <p>c) Abstract reasoning: marked with 0-10 points</p> <p>AD6: The pass marks for tests a), b) and c) together is 20 points</p> <p>AD7: The pass mark for test a) is 10 points</p> <p>The pass mark for test b) and c) together is 10 points</p> <p>You have to obtain the pass mark for tests a), b) and c) but these points will not be added to the results of tests d), e), f) and, if applicable, g).</p> <p>Specific competencies</p> <p>Both for AD6 and AD7 competitions, your specific competencies tested in d), e) and f) will be marked with 0-100 points.</p> <p>Pass mark: 50 points</p> <p>For AD7 only: your specific competencies tested in the additional test g) will be marked with 0-30 points.</p> <p>Pass mark: 15 points</p> <p>General competencies</p> <p>Your total general competencies will be marked with 0-80 points</p> <p>Pass mark:</p> <p>AD6: 40 points for the total of the 8 general competencies.</p> <p>AD7: 3 points for each general competency and 40 points for the total of the 8 general competencies.</p>

VI. RESERVE LISTS

1. Candidates placed on the reserve list	<p>The selection board will draw up a reserve list for each competition (an AD6 list and an AD7 list) and will place your name on the AD6 and/or AD7 reserve list ⁽⁵⁾ if you are among the candidates who satisfy all the conditions set out in section V and if you have obtained pass marks in all of the tests and one of the highest marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition (see section V). The number of successful candidates per competition and per field is limited to that shown in section I, notwithstanding a possible increase in the number of successful candidates on the AD6 reserve list, up to the number of successful candidates placed both on the AD6 and AD7 reserve list in the same field.</p> <p>The reserve lists will be valid until 31 December 2012.</p>
2. Classification	<p>The reserve lists will be established by merit group for each field. The candidates names will be listed in alphabetical order within each merit group.</p>
3. Place of appointment	<p>Candidates placed on the reserve list(s) will be eligible for appointment as Research Administrators in the European Commission, mainly at the JRC sites, as indicated in section I.</p> <p>Considering the decentralised JRC site locations across Europe (Ispra, Seville, Karlsruhe, Petten, Geel, Brussels), the JRC is dedicated to aid newcomer officials to better integrate professionally and their spouses and families to better adapt to their new social environment.</p>

⁽⁵⁾ Where a number of candidates tie for the last available place, they will all be placed on the reserve list.

VII. HOW TO APPLY

1. Online application	You must apply online following the instructions on the EPSO website. Deadline: 4 November 2010 at 12.00 (midday) , Brussels time.
2. Submission of application files	If you are one of the candidates invited to the assessment centre, you will be asked to submit a full application file (signed online application form and supporting documents). Closing date: You will be informed of the closing date via your EPSO account. Procedure: See point 2.2 of the guide to open competitions.

ANNEX I

Field 1: Physicists with background in condensed matter theory

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- analysis and evaluation of experiments results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- laboratory work

2. Academic qualifications

Diploma in Physics, Physical Chemistry or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - the physics of f-electron system and strongly correlated electron systems
 - measurements of magnetic properties
 - quantum-beam scattering and spectroscopy techniques
 - magnetism of correlated electron systems or scientific computing (multi-scale)
-

ANNEX II

Field 2: Materials scientists-physicists-engineers with knowledge on the properties and applications of the ceramic materials

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- analysis and evaluation of experiments results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- laboratory work

2. Academic qualifications

Diploma in Physics, Physical Chemistry or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - properties and applications to ceramic compounds and/or metal alloys
 - surface characterisation (spectroscopy, microscopy techniques, X-ray diffraction)
 - electron probe microanalysis
 - secondary ion mass spectroscopy
 - mechanical properties, high temperature/thermal properties of ceramic compounds and/or metals
 - thermal treatment/annealing coupled with mass spectroscopy
 - thermo-mechanical properties and interactions of ceramic compounds
 - joining and welding techniques for fuel- cladding materials
 - modelling of structure and properties of ceramics
 - nuclear fuels and cladding in terms of structure, properties and behaviour during irradiation
-

ANNEX III

Field 3: Radio physicists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- analysis and evaluation of experiments results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- laboratory work

2. Academic qualifications

Diploma in Physics, Physical Chemistry or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications: (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - measurements of cross sections and related parameters of neutron induced reactions at accelerator facilities
 - design, development and implementation of the required detection equipment and planning of the experiment
 - measurement campaigns and data analysis
-

NOTICE OF OPEN COMPETITIONS — COM/AD/05/10 AND COM/AD/06/10

(2010/C 265 A/03)

Are you interested in working for the European Institutions?***Does your profile meet our criteria?******Why not apply?******Give yourself a chance to succeed.***

The European Commission is organising open competitions, based on qualifications and tests, in order to constitute reserve lists from which to appoint AD6 and AD7 Research Administrators ⁽¹⁾.

COM/AD/05/10 — RESEARCH ADMINISTRATORS (AD6)**COM/AD/06/10 — RESEARCH ADMINISTRATORS (AD7)****in the following domain:****STRUCTURAL MECHANICS**

Before applying you should read carefully the instructions in the guide published in Official Journal C 184 A of 8 July 2010 and on the EPSO website [http://europa.eu/epso/apply/index_en.htm].

This guide, which forms an integral part of the notice of competition, will help you to understand the rules governing the procedure and how to make an application.

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- II. DUTIES**
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- V. OPEN COMPETITIONS**
- VI. RESERVE LISTS**
- VII. HOW TO APPLY**
- ANNEX**

I. GENERAL BACKGROUND

Two open competitions, an AD6 and an AD7, in the domain of Structural Mechanics are being held to appoint Research Administrators respectively for the European Commission, mainly for the Joint Research Centre (JRC).

The mission of the JRC is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies. As a service of the European Commission, the JRC functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.

The purpose of these competitions is to draw up reserve lists to fill vacant posts mainly in the Institute for the Protection and Security of the Citizen (IPSC) in Ispra, Italy.

⁽¹⁾ Any reference in this notice to a person of the male sex must be deemed also to constitute a reference to a person of the female sex.

The number of successful candidates by competition as well as the indicative place of work are mentioned below:

Domain	Number of successful candidates by competition		Institutes/Places
	AD6	AD7	
Structural Mechanics	10	2	IPSC, Ispra (IT)
Remarks	<p>The Commission is publishing the following competitions in parallel:</p> <ul style="list-style-type: none"> — COM/AD/01/10 — Research Administrators (AD6) in chemistry, biology and health sciences — COM/AD/02/10 — Research Administrators (AD7) in chemistry, biology and health sciences — COM/AD/03/10 — Research Administrators (AD6) in physics — COM/AD/04/10 — Research Administrators (AD7) in physics — COM/AD/07/10 — Research Administrators (AD6) in quantitative policy analysis — COM/AD/08/10 — Research Administrators (AD7) in quantitative policy analysis — COM/AD/09/10 — Research Administrators (AD6) in spatial sciences — COM/AD/10/10 — Research Administrators (AD7) in spatial sciences — COM/AD/11/10 — Research Administrators (AD6) in environmental sciences — COM/AD/12/10 — Research Administrators (AD7) in environmental sciences — COM/AD/13/10 — Research Administrators (AD6) in energy sciences — COM/AD/14/10 — Research Administrators (AD7) in energy sciences — COM/AD/15/10 — Research Administrators (AD6) in communication/information technology — COM/AD/16/10 — Research Administrators (AD7) in communication/information technology <p>If you fulfil all the general and specific conditions (see title III), you may apply for both AD6 and AD7 competitions in several domains, but within a domain, you may apply for only one field, otherwise you will be disqualified. You must make your choice when you apply online and you will not be able to change it after you have confirmed and submitted your online application form.</p>		

II. DUTIES

The detailed duties are described in the Annex.

Research Administrators (AD6) will, under the supervision of a senior scientist, carry out the relevant duties as members of a research team.

Research Administrators (AD7) will carry out the relevant duties at a high level, both individually and as scientific team leaders.

III. ELIGIBILITY

On the closing date for online applications, you must fulfil all the following general and specific conditions:

1. General conditions

- a) You must be a citizen of one of the Member States of the European Union.
- b) You must enjoy your full rights as a citizen.
- c) You must have fulfilled any relevant military service obligation.
- d) You must meet the character requirements for the duties involved.

2. Specific conditions

2.1	Academic qualifications: See point 2 of the annex
2.2	Professional experience: See point 3 of the annex

2.3	Knowledge of languages: You must have a main language (language 1) and a second language (language 2) as specified below. You must indicate your chosen languages on the online registration form. You will not be able to change your choices after the final validation of the application.																								
(a) Language 1	Main language: A thorough knowledge of one of the official languages of the European Union; The official languages of the European Union are: <table><tr><td>BG (Bulgarian)</td><td>FI (Finnish)</td><td>NL (Dutch)</td></tr><tr><td>CS (Czech)</td><td>FR (French)</td><td>PL (Polish)</td></tr><tr><td>DA (Danish)</td><td>GA (Irish)</td><td>PT (Portuguese)</td></tr><tr><td>DE (German)</td><td>HU (Hungarian)</td><td>RO (Romanian)</td></tr><tr><td>EL (Greek)</td><td>IT (Italian)</td><td>SK (Slovak)</td></tr><tr><td>EN (English)</td><td>LT (Lithuanian)</td><td>SL (Slovenian)</td></tr><tr><td>ES (Spanish)</td><td>LV (Latvian)</td><td>SV (Swedish)</td></tr><tr><td>ET (Estonian)</td><td>MT (Maltese)</td><td></td></tr></table>	BG (Bulgarian)	FI (Finnish)	NL (Dutch)	CS (Czech)	FR (French)	PL (Polish)	DA (Danish)	GA (Irish)	PT (Portuguese)	DE (German)	HU (Hungarian)	RO (Romanian)	EL (Greek)	IT (Italian)	SK (Slovak)	EN (English)	LT (Lithuanian)	SL (Slovenian)	ES (Spanish)	LV (Latvian)	SV (Swedish)	ET (Estonian)	MT (Maltese)	
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EL (Greek)	IT (Italian)	SK (Slovak)																							
EN (English)	LT (Lithuanian)	SL (Slovenian)																							
ES (Spanish)	LV (Latvian)	SV (Swedish)																							
ET (Estonian)	MT (Maltese)																								
and																									
(b) Language 2	Second language (must be different from language 1): A satisfactory knowledge of English, French or German.																								

IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE

1. Admission to the competitions

The information given in your online application will be checked against the general and specific conditions to identify those applicants who satisfy the eligibility requirements for the competitions.

2. Invitation to the assessment centre: selection on the basis of qualifications

To identify candidates who will be admitted to the assessment centre, the selection board will select candidates on the basis of their qualifications after having established the criteria by which it will assess those qualifications. Candidates will be selected on the basis of the information given in their online application forms. The selection board will select those candidates who satisfy the eligibility conditions and who possess the qualifications (especially diplomas, publications in peer reviewed journals and academic and/or professional experience) that are most relevant in terms of quality and level to the nature of the duties described in the competition notice (see point 4 of the Annex). Selection will be on the basis of the following marking scheme:

- a) each selection criterion is weighted between 1 and 3, according to how important the board considers it to be;
- b) the selection board will give a mark of between 1 and 4 for each criterion, depending on the candidate's qualifications.

It will then draw up a list ⁽²⁾ of candidates in the order of the marks awarded.

The number of candidates admitted to the assessment centre will be at maximum three times ⁽³⁾ the number of successful candidates indicated in section I of this competition notice and will be published on EPSO's website (www.eu-careers.eu).

⁽²⁾ Candidates not invited to the assessment centre can obtain a copy of the selection board's evaluation sheet concerning their qualifications by submitting a request within 10 days of being notified of the results.

⁽³⁾ Notwithstanding a possible increase in the number of candidates invited to the assessment centre as part of the AD6 competition, up to the number of candidates invited as part of both the AD6 and AD7 competitions in the same field.

3. Verification of information given by candidates

Following the assessment centre session and in the light of the results from this session, the information given by candidates in their online applications will be verified against the general conditions by EPSO and against the specific conditions and selection criteria by the selection board. If verification shows that the information given is not borne out by the appropriate supporting documents, candidates will be eliminated from the competition.

Applications are verified for candidates with pass marks who obtained the best aggregate marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition in the assessment centre session, in descending order of merit (see section V). Candidates must also have obtained pass marks in the aptitude tests (a), (b), and (c) (see section V). Verification will continue until the threshold number of candidates is reached who can be placed on the reserve list and actually fulfil all the conditions for admission. The files of candidates below this threshold will not be examined.

V. OPEN COMPETITIONS

1. Invitation to the assessment centre	<p>You will be invited (*) to attend an assessment centre session if:</p> <ul style="list-style-type: none"> — the information given in your online application shows that you fulfil the general and specific conditions listed in section III; and — you obtained one of the highest marks in the selection based on qualifications (see point 2 of section IV).
2. Assessment centre	<p>You will be invited to attend an assessment centre in Brussels for tests.</p> <p>Only one Assessment Centre will be established for both competitions (AD6 and AD7). Candidates that have applied for both competitions within one domain and who fulfil the conditions foreseen under point 1, section V, will receive only one convocation.</p> <p>The tests for the AD6 and AD7 competitions are the same except for an additional test in the field chosen for the AD7 competition. The marking of the reasoning tests and the tests on general and specific competencies will be adapted depending on the grade of the competition.</p> <p>You will be assessed on your Reasoning skills on the basis of the following elements (see point 4 of the guide to open competitions and examples on the EPSO website [http://europa.eu/epso/apply/index_en.html]):</p> <ul style="list-style-type: none"> a) Verbal reasoning b) Numerical reasoning c) Abstract reasoning <p>You will be also assessed on your Specific competencies in the chosen field and on the following General competencies:</p> <ul style="list-style-type: none"> Analysis and problem solving Communicating Delivering quality and results Learning and development Prioritising and organising Resilience Working with others Leadership <p>Details on these competencies are set out in point 1.2 of the guide to open competitions.</p> <p>The specific and the general competencies are tested by means of:</p> <ul style="list-style-type: none"> d) A written case study in the chosen field e) A group exercise f) A structured interview g) For AD7 only: an additional written test in the chosen field

(*) Where a number of candidates tie for the last available place, they will all be invited to the assessment centre.

Language of tests	<p>Tests a) to f) and, if applicable, test g): language 2 (German, English or French)</p> <p>Test d): During this test your knowledge of your language 1 (main language) will also be tested.</p>
Marking	<p>Reasoning skills</p> <p>a) Verbal reasoning: marked with 0-20 points</p> <p>b) Numerical reasoning: marked with 0-10 points</p> <p>c) Abstract reasoning: marked with 0-10 points</p> <p>AD6: The pass marks for tests a), b) and c) together is 20 points</p> <p>AD7: The pass mark for test a) is 10 points</p> <p>The pass mark for test b) and c) together is 10 points</p> <p>You have to obtain the pass mark for tests a), b) and c) but these points will not be added to the results of tests d), e), f) and, if applicable, g).</p> <p>Specific competencies</p> <p>Both for AD6 and AD7 competitions, your specific competencies tested in d), e) and f) will be marked with 0-100 points.</p> <p>Pass mark: 50 points</p> <p>For AD7 only: your specific competencies tested in the additional test g) will be marked with 0-30 points.</p> <p>Pass mark: 15 points</p> <p>General competencies</p> <p>Your total general competencies will be marked with 0-80 points</p> <p>Pass mark:</p> <p>AD6: 40 points for the total of the 8 general competencies.</p> <p>AD7: 3 points for each general competency and 40 points for the total of the 8 general competencies.</p>

VI. RESERVE LISTS

1. Candidates placed on the reserve list	<p>The selection board will draw up a reserve list for each competition (an AD6 list and an AD7 list) and will place your name on the AD6 and/or AD7 reserve list ⁽⁵⁾ if you are among the candidates who satisfy all the conditions set out in section V and if you have obtained pass marks in all of the tests and one of the highest marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition (see section V). The number of successful candidates per competition is limited to that shown in section I, notwithstanding a possible increase in the number of successful candidates on the AD6 reserve list, up to the number of successful candidates placed both on the AD6 and AD7 reserve list in the same field.</p> <p>The reserve lists will be valid until 31 December 2012.</p>
2. Classification	<p>The reserve lists will be established by merit group. The candidates names will be listed in alphabetical order within each merit group.</p>
3. Place of appointment	<p>Candidates placed on the reserve list(s) will be eligible for appointment as Research Administrators in the European Commission, mainly at the JRC sites, as indicated in section I.</p> <p>Considering the decentralised JRC site locations across Europe (Ispra, Seville, Karlsruhe, Petten, Geel, Brussels), the JRC is dedicated to aid newcomer officials to better integrate professionally and their spouses and families to better adapt to their new social environment.</p>

⁽⁵⁾ Where a number of candidates tie for the last available place, they will all be placed on the reserve list.

VII. HOW TO APPLY

1. Online application	You must apply online following the instructions on the EPSO website. Deadline: 4 November 2010 at 12.00 (midday) , Brussels time.
2. Submission of application files	If you are one of the candidates invited to the assessment centre, you will be asked to submit a full application file (signed online application form and supporting documents). Closing date: You will be informed of the closing date via your EPSO account. Procedure: See point 2.2 of the guide to open competitions.

ANNEX

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- carrying out of laboratory work
- analysis and evaluation of experimental results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- structural modelling, numerical simulations and risk assessment

2. Academic qualifications

Diploma in Mechanical, Civil Engineering or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the domain
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - standardisation in construction and construction products
 - experimental methods in structural mechanics, including large-scale reference testing
 - computational mechanics, numerical simulation and modelling
 - structural dynamics and control
 - assessment of the physical vulnerability of critical structures
 - earthquake engineering
 - blast and impact engineering
 - engineering materials, including composite materials
 - risk analysis relating to construction
 - provision of science and technological support for earthquake disaster prevention and relief
 - networking with European research laboratories and institutions in the domains of structural mechanics and construction
-

NOTICE OF OPEN COMPETITIONS — COM/AD/07/10 AND COM/AD/08/10

(2010/C 265 A/04)

Are you interested in working for the European Institutions?***Does your profile meet our criteria?******Why not apply?******Give yourself a chance to succeed.***

The European Commission is organising open competitions, based on qualifications and tests, in order to constitute reserve lists from which to appoint AD6 and AD7 Research Administrators ⁽¹⁾.

COM/AD/07/10 — RESEARCH ADMINISTRATORS (AD6)**COM/AD/08/10 — RESEARCH ADMINISTRATORS (AD7)****in the following domain:****QUANTITATIVE POLICY ANALYSIS**

Before applying you should read carefully the instructions in the guide published in Official Journal C 184 A of 8 July 2010 and on the EPSO website [http://europa.eu/epso/apply/index_en.htm].

This guide, which forms an integral part of the notice of competition, will help you to understand the rules governing the procedure and how to make an application.

CONTENTS**I. GENERAL BACKGROUND****II. DUTIES****III. ELIGIBILITY****IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE****V. OPEN COMPETITIONS****VI. RESERVE LISTS****VII. HOW TO APPLY****ANNEXES****I. GENERAL BACKGROUND**

Two open competitions, an AD6 and an AD7, in the domain of Quantitative Policy Analysis are being held to appoint Research Administrators respectively for the European Commission, mainly for the Joint Research Centre (JRC).

⁽¹⁾ Any reference in this notice to a person of the male sex must be deemed also to constitute a reference to a person of the female sex.

The mission of the JRC is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies. As a service of the European Commission, the JRC functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.

The purpose of these competitions is to draw up reserve lists to fill vacant posts mainly in different Institutes of the JRC, and more particularly, in the Institute for the Protection and Security of the Citizen (IPSC), in the Institute for Environment and Sustainability (IES) both located in Ispra, Italy, in the Institute of Perspective Technological Studies (IPTS), Seville, Spain and in the Institute of Energy (IE), Petten, the Netherlands.

The number of successful candidates by competition and field as well as the indicative places of work are mentioned below:

Domain	Fields		Number of successful candidates by competition		Institutes/Locations
			AD6	AD7	
Quantitative Policy Analysis	1	Policy Analysts — Econometricians and Statistical Modellers	6	2	IPSC, Ispra (IT)
	2	Economic Policy Analysts	9	2	IPTS, Seville (ES)
	3	Economic Modellers	7	2	IPTS, Seville (ES)
	4	Techno-Economists	5	2	IPTS, Seville (ES)
	5	Economic/energy Market Analysts	5	2	IE, Petten (NL)
	6	Environmental Scientists for Integrated Assessment	8	2	IES, Ispra (IT)
	7	Environmental Policy Analysts — Socio-Economists	10	2	IES, Ispra (IT)
Remarks	<p>The Commission is publishing the following competitions in parallel:</p> <ul style="list-style-type: none"> — COM/AD/01/10 — Research Administrators (AD6) in chemistry, biology and health sciences — COM/AD/02/10 — Research Administrators (AD7) in chemistry, biology and health sciences — COM/AD/03/10 — Research Administrators (AD6) in physics — COM/AD/04/10 — Research Administrators (AD7) in physics — COM/AD/05/10 — Research Administrators (AD6) in structural mechanics — COM/AD/06/10 — Research Administrators (AD7) in structural mechanics — COM/AD/09/10 — Research Administrators (AD6) in spatial sciences — COM/AD/10/10 — Research Administrators (AD7) in spatial sciences — COM/AD/11/10 — Research Administrators (AD6) in environmental sciences — COM/AD/12/10 — Research Administrators (AD7) in environmental sciences — COM/AD/13/10 — Research Administrators (AD6) in energy sciences — COM/AD/14/10 — Research Administrators (AD7) in energy sciences — COM/AD/15/10 — Research Administrators (AD6) in communication/information technology — COM/AD/16/10 — Research Administrators (AD7) in communication/information technology <p>If you fulfil all the general and specific conditions (see title III), you may apply for both AD6 and AD7 competitions in several domains, but within a domain, you may apply for only one field, otherwise you will be disqualified. You must make your choice when you apply online and you will not be able to change it after you have confirmed and submitted your online application form.</p>				

II. DUTIES

The detailed duties for each field are described in the Annexes

Research Administrators (AD6) will, under the supervision of a senior scientist, carry out the relevant duties as members of a research team.

Research Administrators (AD7) will carry out the relevant duties at a high level, both individually and as scientific team leaders.

III. ELIGIBILITY

On the closing date for online applications, you must fulfil all the following general and specific conditions:

1. General conditions

- a) You must be a citizen of one of the Member States of the European Union.
- b) You must enjoy your full rights as a citizen.
- c) You must have fulfilled any relevant military service obligation.
- d) You must meet the character requirements for the duties involved.

2. Conditions specific to the competitions

2.1	Academic qualifications: See point 2 of the Annexes																								
2.2	Professional experience: See point 3 of the Annexes																								
2.3	Knowledge of languages: You must have a main language (language 1) and a second language (language 2) as specified below. You must indicate your chosen languages on the online registration form. You will not be able to change your choices after the final validation of the application. (a) Language 1 Main language: A thorough knowledge of one of the official languages of the European Union; The official languages of the European Union are: <table><tr><td>BG (Bulgarian)</td><td>FI (Finnish)</td><td>NL (Dutch)</td></tr><tr><td>CS (Czech)</td><td>FR (French)</td><td>PL (Polish)</td></tr><tr><td>DA (Danish)</td><td>GA (Irish)</td><td>PT (Portuguese)</td></tr><tr><td>DE (German)</td><td>HU (Hungarian)</td><td>RO (Romanian)</td></tr><tr><td>EL (Greek)</td><td>IT (Italian)</td><td>SK (Slovak)</td></tr><tr><td>EN (English)</td><td>LT (Lithuanian)</td><td>SL (Slovenian)</td></tr><tr><td>ES (Spanish)</td><td>LV (Latvian)</td><td>SV (Swedish)</td></tr><tr><td>ET (Estonian)</td><td>MT (Maltese)</td><td></td></tr></table> and (b) Language 2 Second language (must be different from language 1): A satisfactory knowledge of English, French or German.	BG (Bulgarian)	FI (Finnish)	NL (Dutch)	CS (Czech)	FR (French)	PL (Polish)	DA (Danish)	GA (Irish)	PT (Portuguese)	DE (German)	HU (Hungarian)	RO (Romanian)	EL (Greek)	IT (Italian)	SK (Slovak)	EN (English)	LT (Lithuanian)	SL (Slovenian)	ES (Spanish)	LV (Latvian)	SV (Swedish)	ET (Estonian)	MT (Maltese)	
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IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE

1. Admission to the competitions

The information given in your online application will be checked against the general and specific conditions to identify those applicants who satisfy the eligibility requirements for the competitions.

2. Invitation to the assessment centre: selection on the basis of qualifications

To identify candidates who will be admitted to the assessment centre, the selection board will select candidates on the basis of their qualifications after having established the criteria by which it will assess those qualifications. Candidates will be selected on the basis of the information given in their online application forms. The selection board will select those candidates who satisfy the eligibility conditions and who possess the qualifications (especially diplomas, publications in peer reviewed journals and academic and/or professional experience) that are most relevant in terms of quality and level to the nature of the duties described in the competition notice (see point 4 of the Annexes). Selection will be on the basis of the following marking scheme:

- a) each selection criterion is weighted between 1 and 3, according to how important the board considers it to be;
- b) the selection board will give a mark of between 1 and 4 for each criterion, depending on the candidate's qualifications.

It will then draw up a list ⁽²⁾ of candidates in the order of the marks awarded.

The number of candidates admitted to the assessment centre will be at maximum three times ⁽³⁾ the number of successful candidates indicated in section I of this competition notice and will be published on EPSO's website (www.eu-careers.eu).

3. Verification of information given by candidates

Following the assessment centre session and in the light of the results from this session, the information given by candidates in their online applications will be verified against the general conditions by EPSO and against the specific conditions and selection criteria by the selection board. If verification shows that the information given is not borne out by the appropriate supporting documents, candidates will be eliminated from the competition.

Applications are verified for candidates with pass marks who obtained the best aggregate marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition in the assessment centre session, in descending order of merit (see section V). Candidates must also have obtained pass marks in the aptitude tests (a), (b), and (c) (see section V). Verification will continue until the threshold number of candidates is reached who can be placed on the reserve list and actually fulfil all the conditions for admission. The files of candidates below this threshold will not be examined.

V. OPEN COMPETITIONS

1. Invitation to the assessment centre	<p>You will be invited ⁽⁴⁾ to attend an assessment centre session if:</p> <ul style="list-style-type: none"> — the information given in your online application shows that you fulfil the general and specific conditions listed in section III; and — you obtained one of the highest marks in the selection based on qualifications (see point 2 of section IV).
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⁽²⁾ Candidates not invited to the assessment centre can obtain a copy of the selection board's evaluation sheet concerning their qualifications by submitting a request within 10 days of being notified of the results.

⁽³⁾ Notwithstanding a possible increase in the number of candidates invited to the assessment centre as part of the AD6 competition, up to the number of candidates invited as part of both the AD6 and AD7 competitions in the same field.

⁽⁴⁾ Where a number of candidates tie for the last available place, they will all be invited to the assessment centre.

2. Assessment centre	<p>You will be invited to attend an assessment centre in Brussels for tests.</p> <p>Only one Assessment Centre will be established for both competitions (AD6 and AD7). Candidates that have applied for both competitions within one domain and who fulfil the conditions foreseen under point 1, section V, will receive only one convocation.</p> <p>The tests for the AD6 and AD7 competitions are the same except for an additional test in the field chosen for the AD7 competition. The marking of the reasoning tests and the tests on general and specific competencies will be adapted depending on the grade of the competition.</p> <p>You will be assessed on your Reasoning skills on the basis of the following elements (see point 4 of the guide to open competitions and examples on the EPSO website [http://europa.eu/epso/apply/index_en.htm]):</p> <ul style="list-style-type: none"> a) Verbal reasoning b) Numerical reasoning c) Abstract reasoning <p>You will be also assessed on your Specific competencies in the chosen field and on the following General competencies:</p> <ul style="list-style-type: none"> Analysis and problem solving Communicating Delivering quality and results Learning and development Prioritising and organising Resilience Working with others Leadership <p>Details on these competencies are set out in point 1.2 of the guide to open competitions.</p> <p>The specific and the general competencies are tested by means of:</p> <ul style="list-style-type: none"> d) A written case study in the chosen field e) A group exercise f) A structured interview g) For AD7 only: an additional written test in the chosen field
Language of tests	<p>Tests a) to f) and, if applicable, test g): language 2 (German, English or French)</p> <p>Test d): During this test your knowledge of your language 1 (main language) will also be tested.</p>
Marking	<p>Reasoning skills</p> <ul style="list-style-type: none"> a) Verbal reasoning: marked with 0-20 points b) Numerical reasoning: marked with 0-10 points c) Abstract reasoning: marked with 0-10 points <p>AD6: The pass marks for tests a), b) and c) together is 20 points</p> <p>AD7: The pass mark for test a) is 10 points</p> <p style="padding-left: 40px;">The pass mark for test b) and c) together is 10 points</p> <p>You have to obtain the pass mark for tests a), b) and c) but these points will not be added to the results of tests d), e), f) and, if applicable, g).</p> <p>Specific competencies</p> <p>Both for AD6 and AD7 competitions, your specific competencies tested in d), e) and f) will be marked with 0-100 points.</p> <p>Pass mark: 50 points</p> <p>For AD7 only: your specific competencies tested in the additional test g) will be marked with 0-30 points.</p> <p>Pass mark: 15 points</p> <p>General competencies</p> <p>Your total general competencies will be marked with 0-80 points</p> <p>Pass mark:</p> <p>AD6: 40 points for the total of the 8 general competencies.</p> <p>AD7: 3 points for each general competency and 40 points for the total of the 8 general competencies.</p>

VI. RESERVE LISTS

1. Candidates placed on the reserve list	<p>The selection board will draw up a reserve list for each competition (an AD6 list and an AD7 list) and will place your name on the AD6 and/or AD7 reserve list ⁽⁵⁾ if you are among the candidates who satisfy all the conditions set out in section V and if you have obtained pass marks in all of the tests and one of the highest marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition (see section V). The number of successful candidates per competition and per field is limited to that shown in section I, notwithstanding a possible increase in the number of successful candidates on the AD6 reserve list, up to the number of successful candidates placed both on the AD6 and AD7 reserve list in the same field.</p> <p>The reserve lists will be valid until 31 December 2012.</p>
2. Classification	<p>The reserve lists will be established by merit group for each field. The candidates names will be listed in alphabetical order within each merit group.</p>
3. Place of appointment	<p>Candidates placed on the reserve list(s) will be eligible for appointment as Research Administrators in the European Commission, mainly at the JRC sites, as indicated in section I.</p> <p>Considering the decentralised JRC site locations across Europe (Ispra, Seville, Karlsruhe, Petten, Geel, Brussels), the JRC is dedicated to aid newcomer officials to better integrate professionally and their spouses and families to better adapt to their new social environment.</p>

VII. HOW TO APPLY

1. Online application	<p>You must apply online following the instructions on the EPSO website.</p> <p>Deadline: 4 November 2010 at 12.00 (midday), Brussels time.</p>
2. Submission of application files	<p>If you are one of the candidates invited to the assessment centre, you will be asked to submit a full application file (signed online application form and supporting documents).</p> <p>Closing date: You will be informed of the closing date via your EPSO account.</p> <p>Procedure: See point 2.2 of the guide to open competitions.</p>

⁽⁵⁾ Where a number of candidates tie for the last available place, they will all be placed on the reserve list.

ANNEX I

Field 1: Policy Analysts — Econometricians and Statistical Modellers

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- data analysis and modelling
- computation and software development
- preparation of publications
- presentation of results at conference, seminars and meetings

2. Academic qualifications

Diploma in statistics, economics, mathematics, computer science or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - quantitative assessment of policy impacts in the field of growth and competitiveness,
 - macroeconomics
 - computational statistics and statistical methods: inference, sampling methods, time series, spatial statistics, outlier detection and robust estimation in large databases, data mining, clustering, extreme value theory, uncertainty and sensitivity analysis, linear and non-linear modelling, generalised linear and additive modelling, non-linear modelling, smoothing techniques
 - uncertainty and sensitivity analysis
 - econometric modelling (specification of economic models, estimation and testing of econometric models, forecasting)
 - financial econometrics, financial modelling and computational finance (e.g. financial risk assessment and management, VAR computation, credit risk modelling)
 - development and assessment of indicators and benchmarks in multidimensional frameworks
 - statistical programming (SAS, MATLAB, R, STATA, GAUSS, FORTRAN)

ANNEX II

Field 2: Economic Policy Analysts

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- development and monitoring of policy measures
- research input to policy making
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in social sciences, with a strong orientation towards economics, sociology, geography or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - monitoring of policy measures and developments in the main fields of EU competence: cohesion, agriculture and rural development, environment, energy, transport, information society, research, innovation and competitiveness
 - qualitative analysis of the relationship between economy, technology, research, innovation and societal needs and its policy implications
 - collection and analysis of data — interpretation of economic research and simulation results — identification of policy-relevant results from both quantitative and qualitative analyses
 - use of policy instruments: cost-benefit analysis, regulations to internalise external costs, demand-pull and supply-push policies to foster technological deployment
 - processing of policy-relevant information from a wide range of studies in different fields
-

ANNEX III

Field 3: Economic Modellers

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- development and monitoring of policy measures
- research input to policy making
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in economics, mathematics, statistics, computer science, natural sciences or engineering or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - agriculture, industries with high environmental impact, energy, transport
 - quantitative analysis of sector-wise and macro-economic data
 - design, construction and maintenance of economic models in the area of regional policies in agriculture, energy, transport and climate change
 - development and analysis of scenarios related to technology deployment
 - sustainable consumption and production, low carbon emissions, land use and rural development
 - integrated assessment of the impact of policy changes on welfare and growth, competitiveness and trade flows using socio-economic and environmental accounting systems
 - quantitative economic techniques: descriptive statistics; regression and causality analysis; sensitivity analysis; mathematical modelling
 - econometric software and database management software
 - econometric work: specification of economic and probabilistic models, estimation and testing of econometric models
 - economic modelling skills: exploitation, maintenance and further development of -partial and general equilibrium models
-

ANNEX IV

Field 4: Techno-Economists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- development and monitoring of policy measures
- research input to policy making
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in economics, mathematics, statistics, computer science, natural sciences or engineering or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - agronomy, agricultural biotechnology, ICTs, environment, transport and energy
 - techno-economic analysis in connection with one of the following policy areas: regional, agriculture, research and innovation, social, energy, environment and transport policies
 - assessment of new technologies, adoption process and impact on competitiveness
 - design dedicated surveys to collect empirical evidence, statistical analyses, micro-level impacts and econometric analyses of technology alternatives on productivity and input use
 - global governance of upcoming technologies and the economic impacts of regulatory options
 - environmental economics perspective of new production technologies, in particular their contribution to climate change mitigation
 - relationship between technology, economy, consumption and production patterns and relevant policy implications
 - quantitative tools to perform environmental and economic assessment to a relevant policy issue
-

ANNEX V

Field 5: Economic/Energy Market Analysts

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- development and monitoring of policy measures
- participation in international scientific and policy networks
- research input to policy making
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in economics, econometrics, engineering-economics or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - conception, administration and implementation of policies and action programmes in the field of energy
 - economic, techno-economic and market developments in the field of both conventional and alternative energy sources and technologies within EU and worldwide
 - diversity and sustainability of energy supply and demand
 - energy efficiency and efficient use of energy resources
 - security of energy supply and costs implications in particular of energy disruptions
 - provide economic, techno-economic and market analyses/inputs to the conception and implementation of policies and action programmes related to energy
 - economic and techno-economic studies on energy technologies
 - market analysis of energy technologies and chains
 - techno-economic and market forecasting
-

ANNEX VI

Field 6: Environmental Scientists for Integrated Assessment

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- development and monitoring of policy measures
- research input to policy making
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in environmental science or environmental economics or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
- or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - integrated analyses of biophysical and socio-economic data in the field of climate change, land use and land use change, land degradation and air quality and emissions
 - data analysis for impact assessment of environmental policies
 - modelling of resource consumption, land use, 'emissions' and assessment of associated impacts (such as climate change, eco-toxicological change)
 - application of methods for integrated environmental analysis (e.g. life cycle analysis (LCA), scenario analysis, cost-benefit analysis, environmental impact assessment)
 - atmospheric or climate models, air quality models, land management models, transport models, soil degradation models, hydrological and ecosystem models and integrated assessment models

-
- life cycle assessment (life cycle inventories, life cycle impact assessment) for products and services
 - development and monitoring of indicators
 - environmental models and methods of integrating model outputs for coherent environmental assessments
 - applying analytical skills and numeracy (time series, spatial statistics, uncertainty and sensitivity analysis)
 - using statistics and statistical tools for model verification
-

ANNEX VII

Field 7: Environmental Policy Analysts — Socio-Economists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- development and monitoring of policy measures
- research input to policy making
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in environmental economics, transport economics, socio-economics or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - socio-economic impact analysis of environmental policy issues, such as climate change, development aid, air pollution, transport, water resources, land consumption, natural hazards, ecosystem services at local, regional and global scales
 - cost efficiency analysis of policy options at local to global scales
 - modelling of resource consumption, land use, 'emissions' and assessment of associated impacts (climate change, eco-toxicological)
 - interfacing with environmental modellers to undertake integrated environmental assessments
 - analysis of added-value regarding policy effectiveness, competitiveness and innovation
 - data analysis (time series, spatial statistics, outlier detection, data mining, uncertainty and sensitivity analysis) of economic and environmental data
 - economic modelling and database management
 - integration of environmental model outputs for environmental assessments
 - impact analysis of road/congestion charging, cost efficiency and options to tackle environmental concerns

NOTICE OF OPEN COMPETITIONS — COM/AD/09/10 AND COM/AD/10/10

(2010/C 265 A/05)

Are you interested in working for the European Institutions?***Does your profile meet our criteria?******Why not apply?******Give yourself a chance to succeed.***

The European Commission is organising open competitions, based on qualifications and tests, in order to constitute reserve lists from which to appoint AD6 and AD7 Research Administrators ⁽¹⁾.

COM/AD/09/10 — RESEARCH ADMINISTRATORS (AD6)**COM/AD/10/10 — RESEARCH ADMINISTRATORS (AD7)****in the following domain:****SPATIAL SCIENCES**

Before applying you should read carefully the instructions in the guide published in Official Journal C 184 A of 8 July 2010 and on the EPSO website [http://europa.eu/epso/apply/index_en.htm].

This guide, which forms an integral part of the notice of competition, will help you to understand the rules governing the procedure and how to make an application.

CONTENTS

- I. GENERAL BACKGROUND**
- II. DUTIES**
- III. ELIGIBILITY**
- IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE**
- V. OPEN COMPETITIONS**
- VI. RESERVE LISTS**
- VII. HOW TO APPLY**
- ANNEXES**

I. GENERAL BACKGROUND

Two open competitions, an AD6 and an AD7, in the domain of Spatial Sciences are being held to appoint Research Administrators respectively for the European Commission, mainly for the Joint Research Centre (JRC).

The mission of the JRC is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies. As a service of the European Commission, the JRC functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.

The purpose of these competitions is to draw up reserve lists to fill vacant posts mainly in different Institutes of the JRC, and more particularly, in the Institute for the Protection and Security of the Citizen (IPSC) in Ispra, Italy and in the Institute for Environment and Sustainability (IES) in Ispra, Italy.

⁽¹⁾ Any reference in this notice to a person of the male sex must be deemed also to constitute a reference to a person of the female sex.

The number of successful candidates by competition and field as well as the indicative places of work are mentioned below:

Domain	Fields		Number of successful candidates by competition		Institutes/Locations
			AD6	AD7	
Spatial Sciences	1	Geo-spatial Analysts (Remote sensing)	9	2	IPSC, Ispra (IT) IES, Ispra (IT)
	2	Spatial Data Analysts	9	2	IPSC, Ispra (IT) IES, Ispra (IT)
Remarks	<p>The Commission is publishing the following competitions in parallel:</p> <ul style="list-style-type: none"> — COM/AD/01/10 — Research Administrators (AD6) in chemistry, biology and health sciences — COM/AD/02/10 — Research Administrators (AD7) in chemistry, biology and health sciences — COM/AD/03/10 — Research Administrators (AD6) in physics — COM/AD/04/10 — Research Administrators (AD7) in physics — COM/AD/05/10 — Research Administrators (AD6) in structural mechanics — COM/AD/06/10 — Research Administrators (AD7) in structural mechanics — COM/AD/07/10 — Research Administrators (AD6) in quantitative policy analysis — COM/AD/08/10 — Research Administrators (AD7) in quantitative policy analysis — COM/AD/11/10 — Research Administrators (AD6) in environmental sciences — COM/AD/12/10 — Research Administrators (AD7) in environmental sciences — COM/AD/13/10 — Research Administrators (AD6) in energy sciences — COM/AD/14/10 — Research Administrators (AD7) in energy sciences — COM/AD/15/10 — Research Administrators (AD6) in communication/information technology — COM/AD/16/10 — Research Administrators (AD7) in communication/information technology <p>If you fulfil all the general and specific conditions (see title III), you may apply for both AD6 and AD7 competitions in several domains, but within a domain, you may apply for only one field, otherwise you will be disqualified. You must make your choice when you apply online and you will not be able to change it after you have confirmed and submitted your online application form.</p>				

II. DUTIES

The detailed duties for each field are described in the Annexes.

Research Administrators (AD6) will, under the supervision of a senior scientist, carry out the relevant duties as members of a research team.

Research Administrators (AD7) will carry out the relevant duties at a high level, both individually and as scientific team leaders.

III. ELIGIBILITY

On the closing date for online applications, you must fulfil all the following general and specific conditions:

1. General conditions

- a) You must be a citizen of one of the Member States of the European Union.
- b) You must enjoy your full rights as a citizen.
- c) You must have fulfilled any relevant military service obligation.
- d) You must meet the character requirements for the duties involved.

2. Conditions specific to the competitions

2.1	Academic qualifications: See point 2 of the Annexes
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2.2	Professional experience: See point 3 of the Annexes																								
2.3	Knowledge of languages: You must have a main language (language 1) and a second language (language 2) as specified below. You must indicate your chosen languages on the online registration form. You will not be able to change your choices after the final validation of the application.																								
(a) Language 1	Main language: A thorough knowledge of one of the official languages of the European Union; The official languages of the European Union are: <table><tr><td>BG (Bulgarian)</td><td>FI (Finnish)</td><td>NL (Dutch)</td></tr><tr><td>CS (Czech)</td><td>FR (French)</td><td>PL (Polish)</td></tr><tr><td>DA (Danish)</td><td>GA (Irish)</td><td>PT (Portuguese)</td></tr><tr><td>DE (German)</td><td>HU (Hungarian)</td><td>RO (Romanian)</td></tr><tr><td>EL (Greek)</td><td>IT (Italian)</td><td>SK (Slovak)</td></tr><tr><td>EN (English)</td><td>LT (Lithuanian)</td><td>SL (Slovenian)</td></tr><tr><td>ES (Spanish)</td><td>LV (Latvian)</td><td>SV (Swedish)</td></tr><tr><td>ET (Estonian)</td><td>MT (Maltese)</td><td></td></tr></table>	BG (Bulgarian)	FI (Finnish)	NL (Dutch)	CS (Czech)	FR (French)	PL (Polish)	DA (Danish)	GA (Irish)	PT (Portuguese)	DE (German)	HU (Hungarian)	RO (Romanian)	EL (Greek)	IT (Italian)	SK (Slovak)	EN (English)	LT (Lithuanian)	SL (Slovenian)	ES (Spanish)	LV (Latvian)	SV (Swedish)	ET (Estonian)	MT (Maltese)	
BG (Bulgarian)	FI (Finnish)	NL (Dutch)																							
CS (Czech)	FR (French)	PL (Polish)																							
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ES (Spanish)	LV (Latvian)	SV (Swedish)																							
ET (Estonian)	MT (Maltese)																								
and																									
(b) Language 2	Second language (must be different from language 1): A satisfactory knowledge of English, French or German.																								

IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE

1. Admission to the competitions

The information given in your online application will be checked against the general and specific conditions to identify those applicants who satisfy the eligibility requirements for the competitions.

2. Invitation to the assessment centre: selection on the basis of qualifications

To identify candidates who will be admitted to the assessment centre, the selection board will select candidates on the basis of their qualifications after having established the criteria by which it will assess those qualifications. Candidates will be selected on the basis of the information given in their online application forms. The selection board will select those candidates who satisfy the eligibility conditions and who possess the qualifications (especially diplomas, publications in peer reviewed journals and academic and/or professional experience) that are most relevant in terms of quality and level to the nature of the duties described in the competition notice (see point 4 of the Annexes). Selection will be on the basis of the following marking scheme:

- each selection criterion is weighted between 1 and 3, according to how important the board considers it to be;
- the selection board will give a mark of between 1 and 4 for each criterion, depending on the candidate's qualifications.

It will then draw up a list ⁽²⁾ of candidates in the order of the marks awarded.

The number of candidates admitted to the assessment centre will be at maximum three times ⁽³⁾ the number of successful candidates indicated in this competition notice and will be published on EPSO's website (www.eu-careers.eu).

⁽²⁾ Candidates not invited to the assessment centre can obtain a copy of the selection board's evaluation sheet concerning their qualifications by submitting a request within 10 days of being notified of the results.

⁽³⁾ Notwithstanding a possible increase in the number of candidates invited to the assessment centre as part of the AD6 competition, up to the number of candidates invited as part of both the AD6 and AD7 competitions in the same field.

3. Verification of information given by candidates

Following the assessment centre session and in the light of the results from this session, the information given by candidates in their online applications will be verified against the general conditions by EPSO and against the specific conditions and selection criteria by the selection board. If verification shows that the information given is not borne out by the appropriate supporting documents, candidates will be eliminated from the competition.

Applications are verified for candidates with pass marks who obtained the best aggregate marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition in the assessment centre session, in descending order of merit (see section V). Candidates must also have obtained pass marks in the aptitude tests (a), (b), and (c) (see section V). Verification will continue until the threshold number of candidates is reached who can be placed on the reserve list and actually fulfil all the conditions for admission. The files of candidates below this threshold will not be examined.

V. OPEN COMPETITIONS

1. Invitation to the assessment centre	<p>You will be invited (*) to attend an assessment centre session if:</p> <ul style="list-style-type: none"> — the information given in your online application shows that you fulfil the general and specific conditions listed in section III; and — you obtained one of the highest marks in the selection based on qualifications (see point 2 of section IV).
2. Assessment centre	<p>You will be invited to attend an assessment centre in Brussels for tests.</p> <p>Only one Assessment Centre will be established for both competitions (AD6 and AD7). Candidates that have applied for both competitions within one domain and who fulfil the conditions foreseen under point 1, section V, will receive only one convocation.</p> <p>The tests for the AD6 and AD7 competitions are the same except for an additional test in the field chosen for the AD7 competition. The marking of the reasoning tests and the tests on general and specific competencies will be adapted depending on the grade of the competition.</p> <p>You will be assessed on your Reasoning skills on the basis of the following elements (see point 4 of the guide to open competitions and examples on the EPSO website [http://europa.eu/epso/apply/index_en.html]):</p> <ul style="list-style-type: none"> a) Verbal reasoning b) Numerical reasoning c) Abstract reasoning <p>You will be also assessed on your Specific competencies in the chosen field and on the following General competencies:</p> <ul style="list-style-type: none"> Analysis and problem solving Communicating Delivering quality and results Learning and development Prioritising and organising Resilience Working with others Leadership <p>Details on these competencies are set out in point 1.2 of the guide to open competitions.</p> <p>The specific and the general competencies are tested by means of:</p> <ul style="list-style-type: none"> d) A written case study in the chosen field e) A group exercise f) A structured interview g) For AD7 only: an additional written test in the chosen field

(*) Where a number of candidates tie for the last available place, they will all be invited to the assessment centre.

Language of tests	<p>Tests a) to f) and, if applicable, test g): language 2 (German, English or French)</p> <p>Test d): During this test your knowledge of your language 1 (main language) will also be tested.</p>
Marking	<p>Reasoning skills</p> <p>a) Verbal reasoning: marked with 0-20 points</p> <p>b) Numerical reasoning: marked with 0-10 points</p> <p>c) Abstract reasoning: marked with 0-10 points</p> <p>AD6: The pass marks for tests a), b) and c) together is 20 points</p> <p>AD7: The pass mark for test a) is 10 points</p> <p>The pass mark for test b) and c) together is 10 points</p> <p>You have to obtain the pass mark for tests a), b) and c) but these points will not be added to the results of tests d), e), f) and, if applicable, g).</p> <p>Specific competencies</p> <p>Both for AD6 and AD7 competitions, your specific competencies tested in d), e) and f) will be marked with 0-100 points.</p> <p>Pass mark: 50 points</p> <p>For AD7 only: your specific competencies tested in the additional test g) will be marked with 0-30 points.</p> <p>Pass mark: 15 points</p> <p>General competencies</p> <p>Your total general competencies will be marked with 0-80 points</p> <p>Pass mark:</p> <p>AD6: 40 points for the total of the 8 general competencies.</p> <p>AD7: 3 points for each general competency and 40 points for the total of the 8 general competencies.</p>

VI. RESERVE LISTS

1. Candidates placed on the reserve list	<p>The selection board will draw up a reserve list for each competition (an AD6 list and an AD7 list) and will place your name on the AD6 and/or AD7 reserve list ⁽⁵⁾ if you are among the candidates who satisfy all the conditions set out in section V and if you have obtained pass marks in all of the tests and one of the highest marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition (see section V). The number of successful candidates per competition and per field is limited to that shown in section I, notwithstanding a possible increase in the number of successful candidates on the AD6 reserve list, up to the number of successful candidates placed both on the AD6 and AD7 reserve list in the same field.</p> <p>The reserve lists will be valid until 31 December 2012.</p>
2. Classification	<p>The reserve lists will be established by merit group for each field. The candidates names will be listed in alphabetical order within each merit group.</p>
3. Place of appointment	<p>Candidates placed on the reserve list(s) will be eligible for appointment as Research Administrators in the European Commission, mainly at the JRC sites, as indicated in section I.</p> <p>Considering the decentralised JRC site locations across Europe (Ispra, Seville, Karlsruhe, Petten, Geel, Brussels), the JRC is dedicated to aid newcomer officials to better integrate professionally and their spouses and families to better adapt to their new social environment.</p>

⁽⁵⁾ Where a number of candidates tie for the last available place, they will all be placed on the reserve list.

VII. HOW TO APPLY

1. Online application	You must apply online following the instructions on the EPSO website. Deadline: 4 November 2010 at 12.00 (midday) , Brussels time.
2. Submission of application files	If you are one of the candidates invited to the assessment centre, you will be asked to submit a full application file (signed online application form and supporting documents). Closing date: You will be informed of the closing date via your EPSO account. Procedure: See point 2.2 of the guide to open competitions.

ANNEX I

Field 1: Geo-spatial Analysts (Remote sensing)

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- development and implementation of geo-spatial techniques
- software development
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in physics GIS/Remote Sensing/Geography, mathematics, electronics, electrical engineering, or relevant engineering discipline at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
- or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - remote sensing and geo-spatial analysis, development and implementation of techniques to support processing and analysis of appropriate data sources such as space and airborne sensors, and global positioning systems (GPS)
 - measurements, maps, digital elevation models, other geographic information from digital aerial and space imagery
 - automatic image understanding including feature (e.g. buildings) recognition
 - image decomposition and other spatial descriptions of images including image texture, multi-criteria knowledge-based inferential systems, neural classifiers and fuzzy logic

- advanced image understanding techniques to space and airborne data varying in temporal and spatial (from low to very high) resolution, and acquired in the various parts of the electromagnetic spectrum (e.g. VNIR, MIR, TIR) including synthetic aperture radar (SAR)
 - geographic information system (GIS) and database management tools
 - real-time web-based GIS applications
 - data modelling tools such as UML, applying geographic information management principles as outlined in ISO standard requirements or similar technical frameworks
 - coding in IDL, MATLAB, Java, C/C++, Python, VBA environments for geo-spatial analysis and image processing
 - observation systems and image processing, cartography, geo-statistics, distributed computing, web mapping
-

ANNEX II

Field 2: Spatial Data Analysts

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- development and implementation of spatial data techniques
- software development
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in geographic information science, computer science, geostatistics, or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - GIS technologies for environmental analysis
 - quantitative processing of remote sensing data, incorporation within systems of spatial data management
 - analysis, design and management of geodata specifications, including analysis of semantic and syntactical aspects
 - development of conceptual geodata models and production of tools and methods to support interoperability through translation from diverse schema to common models
 - GIS technologies for environmental applications, creation and management of large databases
 - spatial data modelling, database design, data harmonisation and interoperability
 - development of complex numerical algorithms to handle spatial databases
 - software coding or scripting in Linux environment
-

NOTICE OF OPEN COMPETITIONS — COM/AD/11/10 AND COM/AD/12/10

(2010/C 265 A/06)

Are you interested in working for the European Institutions?***Does your profile meet our criteria?******Why not apply?******Give yourself a chance to succeed.***

The European Commission is organising open competitions, based on qualifications and tests, in order to constitute reserve lists from which to appoint AD6 and AD7 Research Administrators ⁽¹⁾.

COM/AD/11/10 — RESEARCH ADMINISTRATORS (AD6)**COM/AD/12/10 — RESEARCH ADMINISTRATORS (AD7)****in the following domain:****ENVIRONMENTAL SCIENCES**

Before applying you should read carefully the instructions in the guide published in Official Journal C 184 A of 8 July 2010 and on the EPSO website [http://europa.eu/epso/apply/index_en.htm].

This guide, which forms an integral part of the notice of competition, will help you to understand the rules governing the procedure and how to make an application.

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- I. GENERAL BACKGROUND**
- II. DUTIES**
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- IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE**
- V. OPEN COMPETITIONS**
- VI. RESERVE LISTS**
- VII. HOW TO APPLY**
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I. GENERAL BACKGROUND

Two open competitions, an AD6 and an AD7, in the domain of Environmental Sciences are being held to appoint Research Administrators respectively for the European Commission, mainly for the Joint Research Centre (JRC).

The mission of the JRC is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies. As a service of the European Commission, the JRC functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.

The purpose of these competitions is to draw up reserve lists from which to fill vacant posts mainly in the Institute for Environment and Sustainability, Ispra, Italy.

⁽¹⁾ Any reference in this notice to a person of the male sex must be deemed also to constitute a reference to a person of the female sex.

The number of successful candidates by competition and field as well as the indicative place of work are mentioned below:

Domain	Fields		Number of successful candidates by competition		Institutes/Locations
			AD6	AD7	
Environmental Sciences	1	Environmental Chemists and Biologists	8	2	IES, Ispra (IT)
	2	Environmental Modellers	5	2	IES, Ispra (IT)
	3	Environmental Risk Assessment	10	2	IES, Ispra (IT)
	4	Nature Resource Scientists	5	2	IES, Ispra (IT)
Remarks	<p>The Commission is publishing the following competitions in parallel:</p> <ul style="list-style-type: none"> — COM/AD/01/10 — Research Administrators (AD6) in chemistry, biology and health sciences — COM/AD/02/10 — Research Administrators (AD7) in chemistry, biology and health sciences — COM/AD/03/10 — Research Administrators (AD6) in physics — COM/AD/04/10 — Research Administrators (AD7) in physics — COM/AD/05/10 — Research Administrators (AD6) in structural mechanics — COM/AD/06/10 — Research Administrators (AD7) in structural mechanics — COM/AD/07/10 — Research Administrators (AD6) in quantitative policy analysis — COM/AD/08/10 — Research Administrators (AD7) in quantitative policy analysis — COM/AD/09/10 — Research Administrators (AD6) in spatial sciences — COM/AD/10/10 — Research Administrators (AD7) in spatial sciences — COM/AD/13/10 — Research Administrators (AD6) in energy sciences — COM/AD/14/10 — Research Administrators (AD7) in energy sciences — COM/AD/15/10 — Research Administrators (AD6) in communication/information technology — COM/AD/16/10 — Research Administrators (AD7) in communication/information technology <p>If you fulfil all the general and specific conditions (see title III), you may apply for both AD6 and AD7 competitions in several domains, but within a domain, you may apply for only one field, otherwise you will be disqualified. You must make your choice when you apply online and you will not be able to change it after you have confirmed and submitted your online application form.</p>				

II. DUTIES

The detailed duties for each field are described in the Annexes

Research Administrators (AD6) will, under the supervision of a senior scientist, carry out the relevant duties as members of a research team.

Research Administrators (AD7) will carry out the relevant duties at a high level, both individually and as scientific team leaders.

III. ELIGIBILITY

On the closing date for online applications, you must fulfil all the following general and specific conditions:

1. General conditions

- a) You must be a citizen of one of the Member States of the European Union.
- b) You must enjoy your full rights as a citizen.
- c) You must have fulfilled any relevant military service obligation.
- d) You must meet the character requirements for the duties involved.

2. Conditions specific to the competitions

2.1	Academic qualifications: See point 2 of the Annexes
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2.2	Professional experience: See point 3 of the Annexes																								
2.3	Knowledge of languages: You must have a main language (language 1) and a second language (language 2) as specified below. You must indicate your chosen languages on the online registration form. You will not be able to change your choices after the final validation of the application.																								
(a) Language 1	Main language: A thorough knowledge of one of the official languages of the European Union; The official languages of the European Union are: <table><tr><td>BG (Bulgarian)</td><td>FI (Finnish)</td><td>NL (Dutch)</td></tr><tr><td>CS (Czech)</td><td>FR (French)</td><td>PL (Polish)</td></tr><tr><td>DA (Danish)</td><td>GA (Irish)</td><td>PT (Portuguese)</td></tr><tr><td>DE (German)</td><td>HU (Hungarian)</td><td>RO (Romanian)</td></tr><tr><td>EL (Greek)</td><td>IT (Italian)</td><td>SK (Slovak)</td></tr><tr><td>EN (English)</td><td>LT (Lithuanian)</td><td>SL (Slovenian)</td></tr><tr><td>ES (Spanish)</td><td>LV (Latvian)</td><td>SV (Swedish)</td></tr><tr><td>ET (Estonian)</td><td>MT (Maltese)</td><td></td></tr></table>	BG (Bulgarian)	FI (Finnish)	NL (Dutch)	CS (Czech)	FR (French)	PL (Polish)	DA (Danish)	GA (Irish)	PT (Portuguese)	DE (German)	HU (Hungarian)	RO (Romanian)	EL (Greek)	IT (Italian)	SK (Slovak)	EN (English)	LT (Lithuanian)	SL (Slovenian)	ES (Spanish)	LV (Latvian)	SV (Swedish)	ET (Estonian)	MT (Maltese)	
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ET (Estonian)	MT (Maltese)																								
and																									
(b) Language 2	Second language (must be different from language 1): A satisfactory knowledge of English, French or German.																								

IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE

1. Admission to the competitions

The information given in your online application will be checked against the general and specific conditions to identify those applicants who satisfy the eligibility requirements for the competitions.

2. Invitation to the assessment centre: selection on the basis of qualifications

To identify candidates who will be admitted to the assessment centre, the selection board will select candidates on the basis of their qualifications after having established the criteria by which it will assess those qualifications. Candidates will be selected on the basis of the information given in their online application forms. The selection board will select those candidates who satisfy the eligibility conditions and who possess the qualifications (especially diplomas, publications in peer reviewed journals and academic and/or professional experience) that are most relevant in terms of quality and level to the nature of the duties described in the competition notice (see point 4 of the Annexes). Selection will be on the basis of the following marking scheme:

- each selection criterion is weighted between 1 and 3, according to how important the board considers it to be;
- the selection board will give a mark of between 1 and 4 for each criterion, depending on the candidate's qualifications.

It will then draw up a list ⁽²⁾ of candidates in the order of the marks awarded.

The number of candidates admitted to the assessment centre will be at maximum three times ⁽³⁾ the number of successful candidates indicated in this competition notice and will be published on EPSO's website (www.eu-careers.eu).

⁽²⁾ Candidates not invited to the assessment centre can obtain a copy of the selection board's evaluation sheet concerning their qualifications by submitting a request within 10 days of being notified of the results.

⁽³⁾ Notwithstanding a possible increase in the number of candidates invited to the assessment centre as part of the AD6 competition, up to the number of candidates invited as part of both the AD6 and AD7 competitions in the same field.

3. Verification of information given by candidates

Following the assessment centre session and in the light of the results from this session, the information given by candidates in their online applications will be verified against the general conditions by EPSO and against the specific conditions and selection criteria by the selection board. If verification shows that the information given is not borne out by the appropriate supporting documents, candidates will be eliminated from the competition.

Applications are verified for candidates with pass marks who obtained the best aggregate marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition in the assessment centre session, in descending order of merit (see section V). Candidates must also have obtained pass marks in the aptitude tests (a), (b), and (c) (see section V). Verification will continue until the threshold number of candidates is reached who can be placed on the reserve list and actually fulfil all the conditions for admission. The files of candidates below this threshold will not be examined.

V. OPEN COMPETITIONS

1. Invitation to the assessment centre	<p>You will be invited (*) to attend an assessment centre session if:</p> <ul style="list-style-type: none"> — the information given in your online application shows that you fulfil the general and specific conditions listed in section III; and — you obtained one of the highest marks in the selection based on qualifications (see point 2 of section IV).
2. Assessment centre	<p>You will be invited to attend an assessment centre in Brussels for tests.</p> <p>Only one Assessment Centre will be established for both competitions (AD6 and AD7). Candidates that have applied for both competitions within one domain and who fulfil the conditions foreseen under point 1, section V, will receive only one convocation.</p> <p>The tests for the AD6 and AD7 competitions are the same except for an additional test in the field chosen for the AD7 competition. The marking of the reasoning tests and the tests on general and specific competencies will be adapted depending on the grade of the competition.</p> <p>You will be assessed on your Reasoning skills on the basis of the following elements (see point 4 of the guide to open competitions and examples on the EPSO website [http://europa.eu/epso/apply/index_en.htm]):</p> <ul style="list-style-type: none"> a) Verbal reasoning b) Numerical reasoning c) Abstract reasoning <p>You will be also assessed on your Specific competencies in the chosen field and on the following General competencies:</p> <ul style="list-style-type: none"> Analysis and problem solving Communicating Delivering quality and results Learning and development Prioritising and organising Resilience Working with others Leadership <p>Details on these competencies are set out in point 1.2 of the guide to open competitions.</p> <p>The specific and the general competencies are tested by means of:</p> <ul style="list-style-type: none"> d) A written case study in the chosen field e) A group exercise f) A structured interview g) For AD7 only: an additional written test in the chosen field

(*) Where a number of candidates tie for the last available place, they will all be invited to the assessment centre.

Language of tests	<p>Tests a) to f) and, if applicable, test g): language 2 (German, English or French)</p> <p>Test d): During this test your knowledge of your language 1 (main language) will also be tested.</p>
Marking	<p>Reasoning skills</p> <p>a) Verbal reasoning: marked with 0-20 points</p> <p>b) Numerical reasoning: marked with 0-10 points</p> <p>c) Abstract reasoning: marked with 0-10 points</p> <p>AD6: The pass marks for tests a), b) and c) together is 20 points</p> <p>AD7: The pass mark for test a) is 10 points</p> <p>The pass mark for test b) and c) together is 10 points</p> <p>You have to obtain the pass mark for tests a), b) and c) but these points will not be added to the results of tests d), e), f) and, if applicable, g).</p> <p>Specific competencies</p> <p>Both for AD6 and AD7 competitions, your specific competencies tested in d), e) and f) will be marked with 0-100 points.</p> <p>Pass mark: 50 points</p> <p>For AD7 only: your specific competencies tested in the additional test g) will be marked with 0-30 points.</p> <p>Pass mark: 15 points</p> <p>General competencies</p> <p>Your total general competencies will be marked with 0-80 points</p> <p>Pass mark:</p> <p>AD6: 40 points for the total of the 8 general competencies.</p> <p>AD7: 3 points for each general competency and 40 points for the total of the 8 general competencies.</p>

VI. RESERVE LISTS

1. Candidates placed on the reserve list	<p>The selection board will draw up a reserve list for each competition (an AD6 list and an AD7 list) and will place your name on the AD6 and/or AD7 reserve list ⁽⁵⁾ if you are among the candidates who satisfy all the conditions set out in section V and if you have obtained pass marks in all of the tests and one of the highest marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition (see section V). The number of successful candidates per competition and per field is limited to that shown in section I, notwithstanding a possible increase in the number of successful candidates on the AD6 reserve list, up to the number of successful candidates placed both on the AD6 and AD7 reserve list in the same field.</p> <p>The reserve lists will be valid until 31 December 2012.</p>
2. Classification	<p>The reserve lists will be established by merit group for each field. The candidates names will be listed in alphabetical order within each merit group.</p>
3. Place of appointment	<p>Candidates placed on the reserve list(s) will be eligible for appointment as Research Administrators in the European Commission, mainly at the JRC sites, as indicated in section I.</p> <p>Considering the decentralised JRC site locations across Europe (Ispra, Seville, Karlsruhe, Petten, Geel, Brussels), the JRC is dedicated to aid newcomer officials to better integrate professionally and their spouses and families to better adapt to their new social environment.</p>

⁽⁵⁾ Where a number of candidates tie for the last available place, they will all be placed on the reserve list.

VII. HOW TO APPLY

1. Online application	You must apply online following the instructions on the EPSO website. Deadline: 4 November 2010 at 12.00 (midday) , Brussels time.
2. Submission of application files	If you are one of the candidates invited to the assessment centre, you will be asked to submit a full application file (signed online application form and supporting documents). Closing date: You will be informed of the closing date via your EPSO account. Procedure: See point 2.2 of the guide to open competitions.

ANNEX I

Field 1: Environmental Chemists and Biologists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- analysis and evaluation of experiments results
- preparation of publications
- presentation of results at conferences, seminars and meetings
- laboratory work

2. Academic qualifications

Diploma in chemistry, biology, or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - analytical chemical analysis in the field of environmental fate and exposure assessment of anthropogenic pollutants
 - development of sampling strategies, screening technologies and bio-availability aspects
 - development of molecular methods to address the effects of environmental stressors on aquatic organisms at cellular and molecular levels
 - instrumental analytical measurement in organic or inorganic trace chemistry, in liaison with the application of chemo metric approaches for the investigation of organic or inorganic pollutants
 - use of molecular techniques (e.g. cloning, cell cultures) and genomic techniques (DNA microarray, primer design, labelling of RNA, Real Time PCR)
 - application of statistical methods and analytical tools for data processing and management
 - development of concepts for spatial and temporal representativeness as well as their practical application
-

ANNEX II

Field 2: Environmental Modellers

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- preparation of publications
- presentation of results at conferences, seminars and meetings
- development of indicators
- impact assessment

2. Academic qualifications

Diploma in an environmental discipline (such as forestry, ecology, hydrology, transport, agriculture, atmospheric chemistry, marine science) or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - modelling of air pollutants and green-house gas emissions related to transport, energy production, agriculture and other sectors (local, regional and global)
 - transport modelling and analysis of traffic data
 - hydrological, meteorological or climatological modelling related to flooding and droughts for forecasting and scenarios development
 - modelling forest resources under future climate scenarios and or impacts from fires and other disturbances

- ecosystem modelling for linking aquatic and terrestrial ecosystems for management of resources, including disturbance and futures scenarios
 - modelling and assessing the current status of European rivers and seas, and the global ocean
 - development and application of models, such as atmospheric or climate models, air quality models, land management models, transport models, hydrological and ecosystem models
 - cross checking model results with real cases studies
 - construction and management of large (regional, global) databases/inventories
 - collaboration with economic modellers to perform integrated environmental assessments
-

ANNEX III

Field 3: Environmental Risk Assessment

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- preparation of publications
- presentation of results at conferences, seminars and meetings
- development of indicators
- impact assessment

2. Academic qualifications

Diploma in geography, environmental engineering/management, earth sciences, applied economics, or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - risk-based decision approaches and ecological risk assessments in different regulatory contexts
 - integration of natural and socio-economic interests in thematic sectors such as land use, climate change, hydrology, meteorology and macro-economics
 - assessment of environmental/socio/economic vulnerabilities and risks from natural hazards and to the definition of risk-reduction (or adaptation) strategies
 - definition of general environmental thresholds at various spatial scales, from European to regional and local scales
 - application of risk based decision approaches and risk assessment methods related to the environment
 - application of multi-criteria decision analysis methodologies, uncertainty indices and quantitative modelling
 - application of socio-economic modelling techniques at various scales
-

ANNEX IV

Field 4: Nature Resource Scientists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- preparation of publications
- presentation of results at conferences, seminars and meetings
- development of indicators
- impact assessment
- laboratory work

2. Academic qualifications

Diploma in forestry, ecology, hydrology, soil science, agriculture or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
- or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - analysis of forest resources and identification and monitoring of forest or ecological disturbances, due to fire, deforestation, natural disasters or climate change
 - impact assessment of farming practices on the environment and analysis of relationships between agriculture, environment and impacts of climate change scenarios
 - advanced techniques of digital soil mapping and geo-statistical analysis of soil data, including soil classification
 - analysis of water allocation in the context of multiple objectives (industry, agriculture, ecosystems, human consumption)

- analysis of pathways and transformations that control the delivery of water (and associated solutes and pollutants) to freshwater and coastal ecosystems
 - development and testing of aquatic bio-indicators and metrics for assessing ecological status of coastal, transitional and surface waters, contributing to the assessment of biodiversity
 - management of databases, information systems and models in climate change, energy, biodiversity and transport
 - remote sensing and GIS tools
 - environment laboratory measurement
-

NOTICE OF OPEN COMPETITIONS — COM/AD/13/10 AND COM/AD/14/10

(2010/C 265 A/07)

Are you interested in working for the European Institutions?***Does your profile meet our criteria?******Why not apply?******Give yourself a chance to succeed.***

The European Commission is organising open competitions, based on qualifications and tests, in order to constitute reserve lists from which to appoint AD6 and AD7 Research Administrators ⁽¹⁾.

COM/AD/13/10 — RESEARCH ADMINISTRATORS (AD6)**COM/AD/14/10 — RESEARCH ADMINISTRATORS (AD7)****in the following domain:****ENERGY SCIENCES**

Before applying you should read carefully the instructions in the guide published in Official Journal C 184 A of 8 July 2010 and on the EPSO website [http://europa.eu/epso/apply/index_en.htm].

This guide, which forms an integral part of the notice of competition, will help you to understand the rules governing the procedure and how to make an application.

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- VII. HOW TO APPLY**
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I. GENERAL BACKGROUND

Two open competitions, an AD6 and an AD7, in the domain of Energy Sciences are being held to appoint Research Administrators respectively for the European Commission, mainly for the Joint Research Centre (JRC).

The mission of the JRC is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies. As a service of the European Commission, the JRC functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.

The purpose of these competitions is to draw up reserve lists to fill vacant posts mainly in different Institutes of the JRC, and more particularly, in the Institute for Energy (IE) in Petten, the Netherlands.

⁽¹⁾ Any reference in this notice to a person of the male sex must be deemed also to constitute a reference to a person of the female sex.

The number of successful candidates by competition and field as well as the indicative place of work are mentioned below:

Domain	Fields		Number of successful candidates by competition		Institutes/Locations
			AD6	AD7	
Energy sciences	1	Energy Technologists	5	2	IE, Petten (NL)
	2	Energy Systems Modelling and Security Specialists	5	2	IE, Petten (NL)
	3	Engineers and Energy Safety Specialists	8	2	IE, Petten (NL)
	4	Material, Physical, Chemical Scientists and Structural Engineers	4	2	IE, Petten (NL)
Remarks	<p>The Commission is publishing the following competitions in parallel:</p> <ul style="list-style-type: none"> — COM/AD/01/10 — Research Administrators (AD6) in chemistry, biology and health sciences — COM/AD/02/10 — Research Administrators (AD7) in chemistry, biology and health sciences — COM/AD/03/10 — Research Administrators (AD6) in physics — COM/AD/04/10 — Research Administrators (AD7) in physics — COM/AD/05/10 — Research Administrators (AD6) in structural mechanics — COM/AD/06/10 — Research Administrators (AD7) in structural mechanics — COM/AD/07/10 — Research Administrators (AD6) in quantitative policy analysis — COM/AD/08/10 — Research Administrators (AD7) in quantitative policy analysis — COM/AD/09/10 — Research Administrators (AD6) in spatial sciences — COM/AD/10/10 — Research Administrators (AD7) in spatial sciences — COM/AD/11/10 — Research Administrators (AD6) in environmental sciences — COM/AD/12/10 — Research Administrators (AD7) in environmental sciences — COM/AD/15/10 — Research Administrators (AD6) in communication/information technology — COM/AD/16/10 — Research Administrators (AD7) in communication/information technology <p>If you fulfil all the general and specific conditions (see title III), you may apply for both AD6 and AD7 competitions in several domains, but within a domain, you may apply for only one field, otherwise you will be disqualified. You must make your choice when you apply online and you will not be able to change it after you have confirmed and submitted your online application form.</p>				

II. DUTIES

The detailed duties for each field are described in the Annexes.

Research Administrators (AD6) will, under the supervision of a senior scientist, carry out the relevant duties as members of a research team.

Research Administrators (AD7) will carry out the relevant duties at a high level, both individually and as scientific team leaders.

III. ELIGIBILITY

On the closing date for online applications, you must fulfil all the following general and specific conditions:

1. General conditions

- You must be a citizen of one of the Member States of the European Union.
- You must enjoy your full rights as a citizen.
- You must have fulfilled any relevant military service obligation.
- You must meet the character requirements for the duties involved.

2. Conditions specific to the competitions

2.1	Academic qualifications: See point 2 of the Annexes
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2.2	Professional experience: See point 3 of the Annexes																								
2.3	Knowledge of languages: You must have a main language (language 1) and a second language (language 2) as specified below. You must indicate your chosen languages on the online registration form. You will not be able to change your choices after the final validation of the application.																								
(a) Language 1	Main language: A thorough knowledge of one of the official languages of the European Union; The official languages of the European Union are: <table><tr><td>BG (Bulgarian)</td><td>FI (Finnish)</td><td>NL (Dutch)</td></tr><tr><td>CS (Czech)</td><td>FR (French)</td><td>PL (Polish)</td></tr><tr><td>DA (Danish)</td><td>GA (Irish)</td><td>PT (Portuguese)</td></tr><tr><td>DE (German)</td><td>HU (Hungarian)</td><td>RO (Romanian)</td></tr><tr><td>EL (Greek)</td><td>IT (Italian)</td><td>SK (Slovak)</td></tr><tr><td>EN (English)</td><td>LT (Lithuanian)</td><td>SL (Slovenian)</td></tr><tr><td>ES (Spanish)</td><td>LV (Latvian)</td><td>SV (Swedish)</td></tr><tr><td>ET (Estonian)</td><td>MT (Maltese)</td><td></td></tr></table>	BG (Bulgarian)	FI (Finnish)	NL (Dutch)	CS (Czech)	FR (French)	PL (Polish)	DA (Danish)	GA (Irish)	PT (Portuguese)	DE (German)	HU (Hungarian)	RO (Romanian)	EL (Greek)	IT (Italian)	SK (Slovak)	EN (English)	LT (Lithuanian)	SL (Slovenian)	ES (Spanish)	LV (Latvian)	SV (Swedish)	ET (Estonian)	MT (Maltese)	
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ET (Estonian)	MT (Maltese)																								
and																									
(b) Language 2	Second language (must be different from language 1): A satisfactory knowledge of English, French or German.																								

IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE

1. Admission to the competitions

The information given in your online application will be checked against the general and specific conditions to identify those applicants who satisfy the eligibility requirements for the competitions.

2. Invitation to the assessment centre: selection on the basis of qualifications

To identify candidates who will be admitted to the assessment centre, the selection board will select candidates on the basis of their qualifications after having established the criteria by which it will assess those qualifications. Candidates will be selected on the basis of the information given in their online application forms. The selection board will select those candidates who satisfy the eligibility conditions and who possess the qualifications (especially diplomas, publications in peer reviewed journals and academic and/or professional experience) that are most relevant in terms of quality and level to the nature of the duties described in the competition notice (see point 4 of the Annexes). Selection will be on the basis of the following marking scheme:

- each selection criterion is weighted between 1 and 3, according to how important the board considers it to be;
- the selection board will give a mark of between 1 and 4 for each criterion, depending on the candidate's qualifications.

It will then draw up a list ⁽²⁾ of candidates in the order of the marks awarded.

The number of candidates admitted to the assessment centre will be at maximum three times ⁽³⁾ the number of successful candidates indicated in this competition notice and will be published on EPSO's website (www.eu-careers.eu).

⁽²⁾ Candidates not invited to the assessment centre can obtain a copy of the selection board's evaluation sheet concerning their qualifications by submitting a request within 10 days of being notified of the results.

⁽³⁾ Notwithstanding a possible increase in the number of candidates invited to the assessment centre as part of the AD6 competition, up to the number of candidates invited as part of both the AD6 and AD7 competitions in the same field.

3. Verification of information given by candidates

Following the assessment centre session and in the light of the results from this session, the information given by candidates in their online applications will be verified against the general conditions by EPSO and against the specific conditions and selection criteria by the selection board. If verification shows that the information given is not borne out by the appropriate supporting documents, candidates will be eliminated from the competition.

Applications are verified for candidates with pass marks who obtained the best aggregate marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition in the assessment centre session, in descending order of merit (see section V). Candidates must also have obtained pass marks in the aptitude tests (a), (b), and (c) (see section V). Verification will continue until the threshold number of candidates is reached who can be placed on the reserve list and actually fulfil all the conditions for admission. The files of candidates below this threshold will not be examined.

V. OPEN COMPETITIONS

1. Invitation to the assessment centre	<p>You will be invited (*) to attend an assessment centre session if:</p> <ul style="list-style-type: none"> — the information given in your online application shows that you fulfil the general and specific conditions listed in section III; and — you obtained one of the highest marks in the selection based on qualifications (see point 2 of section IV).
2. Assessment centre	<p>You will be invited to attend an assessment centre in Brussels for tests.</p> <p>Only one Assessment Centre will be established for both competitions (AD6 and AD7). Candidates that have applied for both competitions within one domain and who fulfil the conditions foreseen under point 1, section V, will receive only one convocation.</p> <p>The tests for the AD6 and AD7 competitions are the same except for an additional test in the field chosen for the AD7 competition. The marking of the reasoning tests and the tests on general and specific competencies will be adapted depending on the grade of the competition.</p> <p>You will be assessed on your Reasoning skills on the basis of the following elements (see point 4 of the guide to open competitions and examples on the EPSO website [http://europa.eu/epso/apply/index_en.html]):</p> <ul style="list-style-type: none"> a) Verbal reasoning b) Numerical reasoning c) Abstract reasoning <p>You will be also assessed on your Specific competencies in the chosen field and on the following General competencies:</p> <ul style="list-style-type: none"> Analysis and problem solving Communicating Delivering quality and results Learning and development Prioritising and organising Resilience Working with others Leadership <p>Details on these competencies are set out in point 1.2 of the guide to open competitions.</p> <p>The specific and the general competencies are tested by means of:</p> <ul style="list-style-type: none"> d) A written case study in the chosen field e) A group exercise f) A structured interview g) For AD7 only: an additional written test in the chosen field

(*) Where a number of candidates tie for the last available place, they will all be invited to the assessment centre.

Language of tests	<p>Tests a) to f) and, if applicable, test g): language 2 (German, English or French)</p> <p>Test d): During this test your knowledge of your language 1 (main language) will also be tested.</p>
Marking	<p>Reasoning skills</p> <p>a) Verbal reasoning: marked with 0-20 points</p> <p>b) Numerical reasoning: marked with 0-10 points</p> <p>c) Abstract reasoning: marked with 0-10 points</p> <p>AD6: The pass marks for tests a), b) and c) together is 20 points</p> <p>AD7: The pass mark for test a) is 10 points</p> <p>The pass mark for test b) and c) together is 10 points</p> <p>You have to obtain the pass mark for tests a), b) and c) but these points will not be added to the results of tests d), e), f) and, if applicable, g).</p> <p>Specific competencies</p> <p>Both for AD6 and AD7 competitions, your specific competencies tested in d), e) and f) will be marked with 0-100 points.</p> <p>Pass mark: 50 points</p> <p>For AD7 only: your specific competencies tested in the additional test g) will be marked with 0-30 points.</p> <p>Pass mark: 15 points</p> <p>General competencies</p> <p>Your total general competencies will be marked with 0-80 points</p> <p>Pass mark:</p> <p>AD6: 40 points for the total of the 8 general competencies.</p> <p>AD7: 3 points for each general competency and 40 points for the total of the 8 general competencies.</p>

VI. RESERVE LISTS

1. Candidates placed on the reserve list	<p>The selection board will draw up a reserve list for each competition (an AD6 list and an AD7 list) and will place your name on the AD6 and/or AD7 reserve list ⁽⁵⁾ if you are among the candidates who satisfy all the conditions set out in section V and if you have obtained pass marks in all of the tests and one of the highest marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition (see section V). The number of successful candidates per competition and per field is limited to that shown in section I, notwithstanding a possible increase in the number of successful candidates on the AD6 reserve list, up to the number of successful candidates placed both on the AD6 and AD7 reserve list in the same field.</p> <p>The reserve lists will be valid until 31 December 2012.</p>
2. Classification	<p>The reserve lists will be established by merit group for each field. The candidates names will be listed in alphabetical order within each merit group.</p>
3. Place of appointment	<p>Candidates placed on the reserve list(s) will be eligible for appointment as Research Administrators in the European Commission, mainly at the JRC sites, as indicated in section I.</p> <p>Considering the decentralised JRC site locations across Europe (Ispra, Seville, Karlsruhe, Petten, Geel, Brussels), the JRC is dedicated to aid newcomer officials to better integrate professionally and their spouses and families to better adapt to their new social environment.</p>

⁽⁵⁾ Where a number of candidates tie for the last available place, they will all be placed on the reserve list.

VII. HOW TO APPLY

1. Online application	You must apply online following the instructions on the EPSO website. Deadline: 4 November 2010 at 12.00 (midday) , Brussels time.
2. Submission of application files	If you are one of the candidates invited to the assessment centre, you will be asked to submit a full application file (signed online application form and supporting documents). Closing date: You will be informed of the closing date via your EPSO account. Procedure: See point 2.2 of the guide to open competitions.

ANNEX I

Field 1: Energy Technologists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- preparation of publications
- preparation of policy reports
- presentation of results at conferences, seminars and meetings
- participation in international scientific and policy networks

2. Academic qualifications

Diploma in mechanical, chemical, industrial or energy engineering or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
- or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - advanced fossil fuel power generation technologies (assessment of techno-economic performance and of technology development potential, impact of deployment on energy policy goals and, experimental and modelling work on selected technology aspects)
 - renewable energy technologies (assessment of techno-economic performance and of technology development potential, impact of deployment on energy policy goals, experimental and modelling work on selected technology aspects)
 - energy infrastructure (analysis of technical and structural constraints, transition planning)

- modelling energy system distribution and transmission grids at pan-EU scale; for both gas and electricity; including interactions and cascade effects of the energy grids and implication to other grids
 - development of scenarios and model consequences of new interconnectors and the integration of new energy grids, like smart grids and energy storage options in view of improved security of supply
 - energy intensive industry (analysis of energy efficiency potential, impact of deployment on energy policy goals)
 - development of energy storage and energy vectors concepts and their integration into the existing grids
 - energy storage (assessment of techno-economic performance and of technology development potential, impact of deployment on energy policy goals, experimental and modelling work on selected technology aspects)
 - refinery of the future, using multiple feedstock (fossil, biomass) to produce a range of energy products (heat, power, synthetic fuels, chemicals)
 - collection, validation and analysis of information on energy technologies
 - follow-up of developments in energy technology policy
-

ANNEX II

Field 2: Energy Systems Modelling and Security Specialists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- preparation of publications
- preparation of policy reports
- presentation of results at conference, seminars and meetings
- participation in international scientific and policy networks

2. Academic qualifications

Diploma in engineering or economics or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - conception, design and implementation of policies to improve the integration of low carbon energy technologies within energy markets and energy security and the internalisation of EU policy goals in carbon-intensive sectors, technologies and/or energy carriers
 - evolution of the European energy system, energy technology mix, energy security, energy infrastructures and energy intensive sectors under different policy frameworks
 - impact of the deployment of low carbon energy technologies into the European energy system and/or specific sectors on the EU energy and climate policy goals as well as on energy security of supply

-
- transition planning of the deployment of low carbon technologies and supporting energy infrastructures in the context of the decarbonisation of the European energy system
 - econometric modelling of the impact of the deployment of new energy technology options and their impact on the European energy, energy security and climate policy goals
 - development, use and maintenance of partial equilibrium models of energy systems and sectors as well as multi-regional, multi-time-period, geographic information system (GIS) and linear programming models of energy technology and infrastructure capacity expansion
 - modelling of energy system distribution and transmission grids at pan-EU scale, including cascade effects of the energy grids and implication to other grids
 - development of scenarios and models of integration of new energy grids, like smart grids and energy storage options in view of improved security of supply
 - development and maintenance of energy technology model related database
 - collection, validation and analysis of information on energy technologies
-

ANNEX III

Field 3: Engineers and Energy Safety Specialists

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- preparation of publications
- preparation of policy reports
- energy safety assessment
- presentation of results at conferences, seminars and meetings
- participation in international scientific and policy networks

2. Academic qualifications

Diploma in engineering, physics or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - optimisation of current power plants operation — effective management of power plants safety improvement, in-service inspection and testing, maintenance, aging and long term operation, plant life management
 - power plant operational experience feedback
 - power plants safety assessment — deterministic and probabilistic safety assessment methods
 - power plants operational management — organisational and human factors — safety culture
 - advanced/innovative power plant systems designs — feasibility study, development and safety evaluation of different fuels, power plants concepts and designs
 - development of innovative plant applications beyond electricity production — delivery of process-heat to high-temperature energy-consuming industrial processes; production of alternative fuels for transport (hydrogen and bio-fuels)
 - conception, development, implementation and monitoring of European Union policies on power plants safety
 - numerical simulation and modelling

ANNEX IV

Field 4: Material, Physical, Chemical Scientists and Structural Engineers

1. Duties (see section II of the competition notice)

The duties will mainly involve:

- preparation of publications
- preparation of policy reports
- energy safety assessment
- presentation of results at conferences, seminars and meetings
- participation in international scientific and policy networks

2. Academic qualifications

Diploma in chemistry, physics or engineering or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications (see point 2, section IV of the competition notice)

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - applied material science for innovative power plant systems: advanced thermo-mechanical, corrosion resistance, and irradiation and environmental embrittlement assessment of the properties of structural materials, including piping/joints/welds and coated systems
 - material performance standards and codes: development and harmonisation of codes-of-practice for advanced non-standard thermo-mechanical and miniaturised specimens, environmental testing and harmonisation of destructive and non-destructive test examination techniques
 - advanced assessment methods and harmonised definition of characteristic material properties
 - structural materials performance assessment under transient operational and accidental conditions
 - physically-based modelling and experimental validation of the materials performance and various damage interactions
 - analysis of innovative energy technologies through modelling and simulation

NOTICE OF OPEN COMPETITIONS — COM/AD/15/10 AND COM/AD/16/10

(2010/C 265 A/08)

Are you interested in working for the European Institutions?***Does your profile meet our criteria?******Why not apply?******Give yourself a chance to succeed.***

The European Commission is organising open competitions, based on qualifications and tests, in order to constitute reserve lists from which to appoint AD6 and AD7 Research Administrators ⁽¹⁾.

COM/AD/15/10 — RESEARCH ADMINISTRATORS (AD6)**COM/AD/16/10 — RESEARCH ADMINISTRATORS (AD7)****in the following domain:****COMMUNICATION/INFORMATION TECHNOLOGY**

Before applying you should read carefully the instructions in the guide published in Official Journal C 184 A of 8 July 2010 and on the EPSO website http://europa.eu/epso/apply/index_en.htm.

This guide, which forms an integral part of the notice of competition, will help you to understand the rules governing the procedure and how to make an application.

CONTENTS

- I. GENERAL BACKGROUND**
- II. DUTIES**
- III. ELIGIBILITY**
- IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE**
- V. OPEN COMPETITIONS**
- VI. RESERVE LISTS**
- VII. HOW TO APPLY**
- ANNEXES**

I. GENERAL BACKGROUND

Two open competitions, an AD6 and an AD7, in the domain of Communication/Information Technology are being held to appoint Research Administrators respectively for the European Commission, mainly for the Joint Research Centre (JRC).

The mission of the JRC is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies. As a service of the European Commission, the JRC functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.

The purpose of these competitions is to draw up reserve lists to fill vacant posts mainly in different Institutes of the JRC, and more particularly, in the Institute for the Protection and Security of the Citizen (IPSC) in Ispra, Italy.

⁽¹⁾ Any reference in this notice to a person of the male sex must be deemed also to constitute a reference to a person of the female sex.

The number of successful candidates by competition and field as well as the indicative place of work are mentioned below:

Domain	Fields		Number of successful candidates by competition		Institutes/Locations
			AD6	AD7	
Communication/ Information Technology	1	Information and Communication Technology Security	5	2	IPSC, Ispra (IT)
	2	Information Mining, Analysis and Web Technologies	5	2	IPSC, Ispra (IT)
	3	Wireless Communications Technology	5	2	IPSC, Ispra (IT)
	4	Network Security	4	2	IPSC, Ispra (IT)
Remarks	<p>The Commission is publishing the following competitions in parallel:</p> <ul style="list-style-type: none"> — COM/AD/01/10 — Research Administrators (AD6) in chemistry, biology and health sciences — COM/AD/02/10 — Research Administrators (AD7) in chemistry, biology and health sciences — COM/AD/03/10 — Research Administrators (AD6) in physics — COM/AD/04/10 — Research Administrators (AD7) in physics — COM/AD/05/10 — Research Administrators (AD6) in structural mechanics — COM/AD/06/10 — Research Administrators (AD7) in structural mechanics — COM/AD/07/10 — Research Administrators (AD6) in quantitative policy analysis — COM/AD/08/10 — Research Administrators (AD7) in quantitative policy analysis — COM/AD/09/10 — Research Administrators (AD6) in spatial sciences — COM/AD/10/10 — Research Administrators (AD7) in spatial sciences — COM/AD/11/10 — Research Administrators (AD6) in environmental sciences — COM/AD/12/10 — Research Administrators (AD7) in environmental sciences — COM/AD/13/10 — Research Administrators (AD6) in energy sciences — COM/AD/14/10 — Research Administrators (AD7) in energy sciences <p>If you fulfil all the general and specific conditions (see title III), you may apply for both AD6 and AD7 competitions in several domains, but within a domain, you may apply for only one field, otherwise you will be disqualified. You must make your choice when you apply online and you will not be able to change it after you have confirmed and submitted your online application form.</p>				

II. DUTIES

The detailed duties for each field are described in the Annexes.

Research Administrators (AD6) will, under the supervision of a senior scientist, carry out the relevant duties as members of a research team.

Research Administrators (AD7) will carry out the relevant duties at a high level, both individually and as scientific team leaders.

III. ELIGIBILITY

On the closing date for online applications, you must fulfil all the following general and specific conditions:

1. General conditions

- a) You must be a citizen of one of the Member States of the European Union.
- b) You must enjoy your full rights as a citizen.
- c) You must have fulfilled any relevant military service obligation.
- d) You must meet the character requirements for the duties involved.

2. Conditions specific to the competitions

2.1	Academic qualifications: See point 2 of the Annexes
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2.2	Professional experience: See point 3 of the Annexes																								
2.3	Knowledge of languages: You must have a main language (language 1) and a second language (language 2) as specified below. You must indicate your chosen languages on the online registration form. You will not be able to change your choices after the final validation of the application.																								
(a) Language 1	Main language: A thorough knowledge of one of the official languages of the European Union; The official languages of the European Union are: <table><tr><td>BG (Bulgarian)</td><td>FI (Finnish)</td><td>NL (Dutch)</td></tr><tr><td>CS (Czech)</td><td>FR (French)</td><td>PL (Polish)</td></tr><tr><td>DA (Danish)</td><td>GA (Irish)</td><td>PT (Portuguese)</td></tr><tr><td>DE (German)</td><td>HU (Hungarian)</td><td>RO (Romanian)</td></tr><tr><td>EL (Greek)</td><td>IT (Italian)</td><td>SK (Slovak)</td></tr><tr><td>EN (English)</td><td>LT (Lithuanian)</td><td>SL (Slovenian)</td></tr><tr><td>ES (Spanish)</td><td>LV (Latvian)</td><td>SV (Swedish)</td></tr><tr><td>ET (Estonian)</td><td>MT (Maltese)</td><td></td></tr></table>	BG (Bulgarian)	FI (Finnish)	NL (Dutch)	CS (Czech)	FR (French)	PL (Polish)	DA (Danish)	GA (Irish)	PT (Portuguese)	DE (German)	HU (Hungarian)	RO (Romanian)	EL (Greek)	IT (Italian)	SK (Slovak)	EN (English)	LT (Lithuanian)	SL (Slovenian)	ES (Spanish)	LV (Latvian)	SV (Swedish)	ET (Estonian)	MT (Maltese)	
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EL (Greek)	IT (Italian)	SK (Slovak)																							
EN (English)	LT (Lithuanian)	SL (Slovenian)																							
ES (Spanish)	LV (Latvian)	SV (Swedish)																							
ET (Estonian)	MT (Maltese)																								
and																									
(b) Language 2	Second language (must be different from language 1): A satisfactory knowledge of English, French or German.																								

IV. ADMISSION TO THE COMPETITIONS AND INVITATION TO THE ASSESSMENT CENTRE

1. Admission to the competitions

The information given in your online application will be checked against the general and specific conditions to identify those applicants who satisfy the eligibility requirements for the competitions.

2. Invitation to the assessment centre: selection on the basis of qualifications

To identify candidates who will be admitted to the assessment centre, the selection board will select candidates on the basis of their qualifications after having established the criteria by which it will assess those qualifications. Candidates will be selected on the basis of the information given in their online application forms. The selection board will select those candidates who satisfy the eligibility conditions and who possess the qualifications (especially diplomas, publications in peer reviewed journals and academic and/or professional experience) that are most relevant in terms of quality and level to the nature of the duties described in the competition notice (see point 4 of the Annexes). Selection will be on the basis of the following marking scheme:

- each selection criterion is weighted between 1 and 3, according to how important the board considers it to be;
- the selection board will give a mark of between 1 and 4 for each criterion, depending on the candidate's qualifications.

It will then draw up a list ⁽²⁾ of candidates in the order of the marks awarded.

The number of candidates admitted to the assessment centre will be at maximum three times ⁽³⁾ the number of successful candidates indicated in section I of this competition notice and will be published on EPSO's website (www.eu-careers.eu).

⁽²⁾ Candidates not invited to the assessment centre can obtain a copy of the selection board's evaluation sheet concerning their qualifications by submitting a request within 10 days of being notified of the results.

⁽³⁾ Notwithstanding a possible increase in the number of candidates invited to the assessment centre as part of the AD6 competition, up to the number of candidates invited as part of both the AD6 and AD7 competitions in the same field.

3. Verification of information given by candidates

Following the assessment centre session and in the light of the results from this session, the information given by candidates in their online applications will be verified against the general conditions by EPSO and against the specific conditions and selection criteria by the selection board. If verification shows that the information given is not borne out by the appropriate supporting documents, candidates will be eliminated from the competition.

Applications are verified for candidates with pass marks who obtained the best aggregate marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition in the assessment centre session, in descending order of merit (see section V). Candidates must also have obtained pass marks in the aptitude tests (a), (b), and (c) (see section V). Verification will continue until the threshold number of candidates is reached who can be placed on the reserve list and actually fulfil all the conditions for admission. The files of candidates below this threshold will not be examined.

V. OPEN COMPETITIONS

1. Invitation to the assessment centre	<p>You will be invited (*) to attend an assessment centre session if:</p> <ul style="list-style-type: none"> — the information given in your online application shows that you fulfil the general and specific conditions listed in section III; and — you obtained one of the highest marks in the selection based on qualifications (see point 2 of section IV).
2. Assessment centre	<p>You will be invited to attend an assessment centre in Brussels for tests.</p> <p>Only one Assessment Centre will be established for both competitions (AD6 and AD7). Candidates that have applied for both competitions within one domain and who fulfil the conditions foreseen under point 1, section V, will receive only one convocation.</p> <p>The tests for the AD6 and AD7 competitions are the same except for an additional test in the field chosen for the AD7 competition. The marking of the reasoning tests and the tests on general and specific competencies will be adapted depending on the grade of the competition.</p> <p>You will be assessed on your Reasoning skills on the basis of the following elements (see point 4 of the guide to open competitions and examples on the EPSO website [http://europa.eu/epso/apply/index_en.htm]):</p> <ul style="list-style-type: none"> a) Verbal reasoning b) Numerical reasoning c) Abstract reasoning <p>You will be also assessed on your Specific competencies in the chosen field and on the following General competencies:</p> <ul style="list-style-type: none"> Analysis and problem solving Communicating Delivering quality and results Learning and development Prioritising and organising Resilience Working with others Leadership <p>Details on these competencies are set out in point 1.2 of the guide to open competitions.</p> <p>The specific and the general competencies are tested by means of:</p> <ul style="list-style-type: none"> d) A written case study in the chosen field e) A group exercise f) A structured interview g) For AD7 only: an additional written test in the chosen field

(*) Where a number of candidates tie for the last available place, they will all be invited to the assessment centre.

Language of tests	<p>Tests a) to f) and, if applicable, test g): language 2 (German, English or French)</p> <p>Test d): During this test your knowledge of your language 1 (main language) will also be tested.</p>
Marking	<p>Reasoning skills</p> <p>a) Verbal reasoning: marked with 0-20 points</p> <p>b) Numerical reasoning: marked with 0-10 points</p> <p>c) Abstract reasoning: marked with 0-10 points</p> <p>AD6: The pass marks for tests a), b) and c) together is 20 points</p> <p>AD7: The pass mark for test a) is 10 points</p> <p>The pass mark for test b) and c) together is 10 points</p> <p>You have to obtain the pass mark for tests a), b) and c) but these points will not be added to the results of tests d), e), f) and, if applicable, g).</p> <p>Specific competencies</p> <p>Both for AD6 and AD7 competitions, your specific competencies tested in d), e) and f) will be marked with 0-100 points.</p> <p>Pass mark: 50 points</p> <p>For AD7 only: your specific competencies tested in the additional test g) will be marked with 0-30 points.</p> <p>Pass mark: 15 points</p> <p>General competencies</p> <p>Your total general competencies will be marked with 0-80 points</p> <p>Pass mark:</p> <p>AD6: 40 points for the total of the 8 general competencies.</p> <p>AD7: 3 points for each general competency and 40 points for the total of the 8 general competencies.</p>

VI. RESERVE LISTS

1. Candidates placed on the reserve list	<p>The selection board will draw up a reserve list for each competition (an AD6 list and an AD7 list) and will place your name on the AD6 and/or AD7 reserve list ⁽⁵⁾ if you are among the candidates who satisfy all the conditions set out in section V and if you have obtained pass marks in all of the tests and one of the highest marks in tests (d), (e) and (f) for the AD6 competition and (d), (e), (f) and (g) for the AD7 competition (see section V). The number of successful candidates per competition and per field is limited to that shown in section I, notwithstanding a possible increase in the number of successful candidates on the AD6 reserve list, up to the number of successful candidates placed both on the AD6 and AD7 reserve list in the same field.</p> <p>The reserve lists will be valid until 31 December 2012.</p>
2. Classification	<p>The reserve lists will be established by merit group for each field. The candidates names will be listed in alphabetical order within each merit group.</p>
3. Place of appointment	<p>Candidates placed on the reserve list(s) will be eligible for appointment as Research Administrators in the European Commission, mainly at the JRC sites, as indicated in section I.</p> <p>Considering the decentralised JRC site locations across Europe (Ispra, Seville, Karlsruhe, Petten, Geel, Brussels), the JRC is dedicated to aid newcomer officials to better integrate professionally and their spouses and families to better adapt to their new social environment.</p>

⁽⁵⁾ Where a number of candidates tie for the last available place, they will all be placed on the reserve list.

VII. HOW TO APPLY

1. Online application	You must apply online following the instructions on the EPSO website. Deadline: 4 November 2010 at 12.00 (midday) , Brussels time.
2. Submission of application files	If you are one of the candidates invited to the assessment centre, you will be asked to submit a full application file (signed online application form and supporting documents). Closing date: You will be informed of the closing date via your EPSO account. Procedure: See point 2.2 of the guide to open competitions.

ANNEX I

Field 1: Information and Communication Technology Security

1. Duties

The duties will mainly involve:

- software development
- risk assessment
- laboratory modelling and simulation
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in computer science, mathematics or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
(iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - ICT security in the most recent technologies from the mobile, Internet, communications and embedded systems area
 - threat analysis and security concepts for emerging ICT technologies: peer-to-peer networks, embedded systems, intelligent sensors
 - threat analysis and security concepts for emerging ICT technologies: autonomous computing, ubiquitous computing, grid computing, quantum computing and cryptography
 - threat analysis and security concepts for emerging ICT technologies: real-time communications, nearfield communications, broadband communications
 - threat analysis and security concepts for emerging ICT technologies: open source software, copy, protection, web technologies, international data protection and privacy, anonymity, social computing
 - risk assessment for deployment of new information and communication technologies
 - assessment of global trends in ICT and their security and privacy implications on the basis of desktop vulnerability analysis and of laboratory modelling and simulation

ANNEX II

Field 2: Information Mining, Analysis and Web Technologies

1. Duties

The duties will mainly involve:

- software development
- risk assessment
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in computer science, computational linguistics, statistics or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - development of IT solutions for data processing and transfer
 - development of IT systems for data analysis and data mining
 - web technologies, natural language processing, information retrieval and visualisation
 - development of techniques applicable to massive structured and unstructured datasets, including multi-lingual ones, information text mining, pattern recognition and extraction
 - development and application of methods to handle typical text mining tasks; text categorisation, text clustering, named entity recognition, concept mining, production and exploitation of taxonomies, sentiment analysis, document summarisation, and entity relation modelling/analysis

- analysis of scenarios for integrated extraction of information from heterogeneous data, for derivation and discovery of new patterns and knowledge
 - exploration of large volumes of multidimensional data, possibly time-varying, and present visually results and information in order to understand the data, extract significant features and highlight relevant results
 - Java, Hibernate, Struts, JSP, Web technologies, natural language processing, user-interface methodologies, visualisation, machine learning, signal processing and statistical programming (SAS, MATLAB)
 - development of methodologies for real-time crisis situational awareness; collaborative crisis management; threat analysis, detection and early warning and media monitoring analysis
-

ANNEX III

Field 3: Wireless Communications Technology

1. Duties

The duties will mainly involve:

- development of advanced technology solutions
- risk assessment
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in Electronic/Electrical/Telecommunications Engineering, Physics or Mathematics or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
 - b. Publications in peer reviewed journals
 - c. Academic and/or professional experience in the following areas:
 - wireless communications and/or sensor technologies, in particular in digital signal processing and common wireless communications standards and protocols
 - assessment of vulnerabilities of communications and navigation systems
 - development of advanced technology solutions to mitigate and/or reduce the vulnerabilities to intentional interferences
 - ICT security research, in particular, next generation networks and convergence of information, communication and navigation technologies
 - development and integration of advanced technology solutions to meet emerging challenges in ICT security
 - security technologies for public safety and intelligent transport systems: digital beam forming in radar and communications systems, RF interference measurement and mitigation techniques, ultra wide band radar and communications systems, cognitive radio, secure radio communications, radar-communications convergence, intelligent sensors networks, vulnerability of GNSS based transport and ICT critical infrastructures, standardisation and interoperability of wireless technologies, distributed and pervasive computing
-

ANNEX IV

Field 4: Network Security

1. Duties

The duties will mainly involve:

- development of advanced technology solutions
- risk assessment
- preparation of publications
- presentation of results at conferences, seminars and meetings

2. Academic qualifications

Diploma in computer science, electronics engineering, other engineering disciplines, mathematics, physics or another corresponding university degree at the following level:

AD6 Research Administrators:

- (i) a level of education which corresponds to completed university studies of at least three years attested by a diploma.

AD7 Research Administrators:

- (ii) a level of education which corresponds to completed university studies attested by a diploma, when the normal period of university education is four years or more,
or
- (iii) a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is at least three years and an appropriate professional experience of at least one year in the chosen field.

3. Professional experience

AD6: a professional experience gained since obtaining the first qualification required under 2. (i) of at least three years is required in the chosen field. Doctoral studies can be counted as working experience up to a maximum of three years.

AD7: a professional experience gained since obtaining the first qualification required under 2. (ii) and 2. (iii) of at least six years is required in the chosen field. Those six years of professional experience must be additional to the one specific year requested under 2. (iii). Doctoral studies can be counted as working experience up to a maximum of three years.

4. Selection based on qualifications

One or more of these experience, knowledge and ability would be an asset:

- a. Additional diploma in the field
- b. Publications in peer reviewed journals
- c. Academic and/or professional experience in the following areas:
 - development of techniques for the modelling and assessment of critical systems
 - design, implementation and evaluation of networks security experiments
 - development of resilience and vulnerability assessment methods for large-scale information and communication systems-of-systems
 - modelling of interdependencies among the different components of the information infrastructure
 - development of systems for the observation and measurement of security experiments
 - development of simulation techniques and tools for the analysis of malware and related threats and attack mechanisms

-
- security modelling, analysis and simulation of industrial information and communication systems, including SCADA (Supervisory Control And Data Acquisition) and other control systems
 - development and application of security metrics pertinent to measure, communicate and benchmark different security-related parameters, such as vulnerability, exposure to threats, susceptibility to attacks, resilience
 - development of techniques for the assessment of the consequences of malicious attacks on large-scale information and communication systems, including multi-actor and cross-border scenarios
 - viability of different risk management and risk governance approaches
-

REVIEW OF 'COMPETITION' C A OJs

Please find below the list of C A published during the present year.

Unless otherwise indicated, OJs are published in all language versions.

5	(FR)	201
9		204 (EN/FR)
19	(FR)	219
23	(DE/ES/PT)	227 (EN/FR)
28		236
48		238
53		242 (BG/LT/LV/MT/PL/RO/SK/SL)
56		248 (DA/DE/EN/LT/NL/RO)
57		249
60		253
61	(DE/EN/FR)	254 (DE/EN/FR)
62		256 (RO)
64		257 (CS/PL)
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