

**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 <sup>(1)</sup>.

**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](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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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).

<sup>(1)</sup> 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"> <li>— COM/AD/01/10 — Research Administrators (AD6) in chemistry, biology and health sciences</li> <li>— COM/AD/02/10 — Research Administrators (AD7) in chemistry, biology and health sciences</li> <li>— COM/AD/03/10 — Research Administrators (AD6) in physics</li> <li>— COM/AD/04/10 — Research Administrators (AD7) in physics</li> <li>— COM/AD/05/10 — Research Administrators (AD6) in structural mechanics</li> <li>— COM/AD/06/10 — Research Administrators (AD7) in structural mechanics</li> <li>— COM/AD/09/10 — Research Administrators (AD6) in spatial sciences</li> <li>— COM/AD/10/10 — Research Administrators (AD7) in spatial sciences</li> <li>— COM/AD/11/10 — Research Administrators (AD6) in environmental sciences</li> <li>— COM/AD/12/10 — Research Administrators (AD7) in environmental sciences</li> <li>— COM/AD/13/10 — Research Administrators (AD6) in energy sciences</li> <li>— COM/AD/14/10 — Research Administrators (AD7) in energy sciences</li> <li>— COM/AD/15/10 — Research Administrators (AD6) in communication/information technology</li> <li>— COM/AD/16/10 — Research Administrators (AD7) in communication/information technology</li> </ul> <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	<p><b>Academic qualifications:</b> See point 2 of the Annexes</p>																								
2.2	<p><b>Professional experience:</b> See point 3 of the Annexes</p>																								
2.3	<p><b>Knowledge of languages:</b> 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.</p> <p><b>(a) Language 1</b></p> <p>Main language: A thorough knowledge of one of the official languages of the European Union; <b>The official languages of the European Union are:</b></p> <table style="width: 100%; border: none;"> <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> <p><b>and</b></p> <p><b>(b) Language 2</b></p> <p>Second language (must be different from language 1): A satisfactory knowledge of English, French or German.</p>	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 <sup>(2)</sup> of candidates in the order of the marks awarded.

The number of candidates admitted to the assessment centre will be at maximum three times <sup>(3)</sup> 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](http://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

<b>1. Invitation to the assessment centre</b>	<p>You will be invited <sup>(4)</sup> to attend an assessment centre session if:</p> <ul style="list-style-type: none"> <li>— the information given in your online application shows that you fulfil the general and specific conditions listed in section III;</li> <li>and</li> <li>— you obtained one of the highest marks in the selection based on qualifications (see point 2 of section IV).</li> </ul>
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<sup>(2)</sup> 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.

<sup>(3)</sup> 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.

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

<p><b>2. Assessment centre</b></p>	<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 [<a href="http://europa.eu/epso/apply/index_en.htm">http://europa.eu/epso/apply/index_en.htm</a>]):</p> <ul style="list-style-type: none"> <li>a) Verbal reasoning</li> <li>b) Numerical reasoning</li> <li>c) Abstract reasoning</li> </ul> <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"> <li>Analysis and problem solving</li> <li>Communicating</li> <li>Delivering quality and results</li> <li>Learning and development</li> <li>Prioritising and organising</li> <li>Resilience</li> <li>Working with others</li> <li>Leadership</li> </ul> <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"> <li>d) A written case study in the chosen field</li> <li>e) A group exercise</li> <li>f) A structured interview</li> <li>g) For AD7 only: an additional written test in the chosen field</li> </ul>
<p><b>Language of tests</b></p>	<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>
<p><b>Marking</b></p>	<p><b>Reasoning skills</b></p> <ul style="list-style-type: none"> <li>a) Verbal reasoning: marked with 0-20 points</li> <li>b) Numerical reasoning: marked with 0-10 points</li> <li>c) Abstract reasoning: marked with 0-10 points</li> </ul> <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><b>Specific competencies</b></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><b>General competencies</b></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

<b>1. Candidates placed on the reserve list</b>	<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 <sup>(5)</sup> 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>
<b>2. Classification</b>	<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>
<b>3. Place of appointment</b>	<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

<b>1. Online application</b>	<p>You must apply online following the instructions on the EPSO website.</p> <p><b>Deadline: 4 November 2010 at 12.00 (midday)</b>, Brussels time.</p>
<b>2. Submission of application files</b>	<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>

<sup>(5)</sup> 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
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## 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
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## 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

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- 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
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## 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
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