

“JRC: Career opportunities at the heart of the science and technical support to European policy making”

Plovdiv

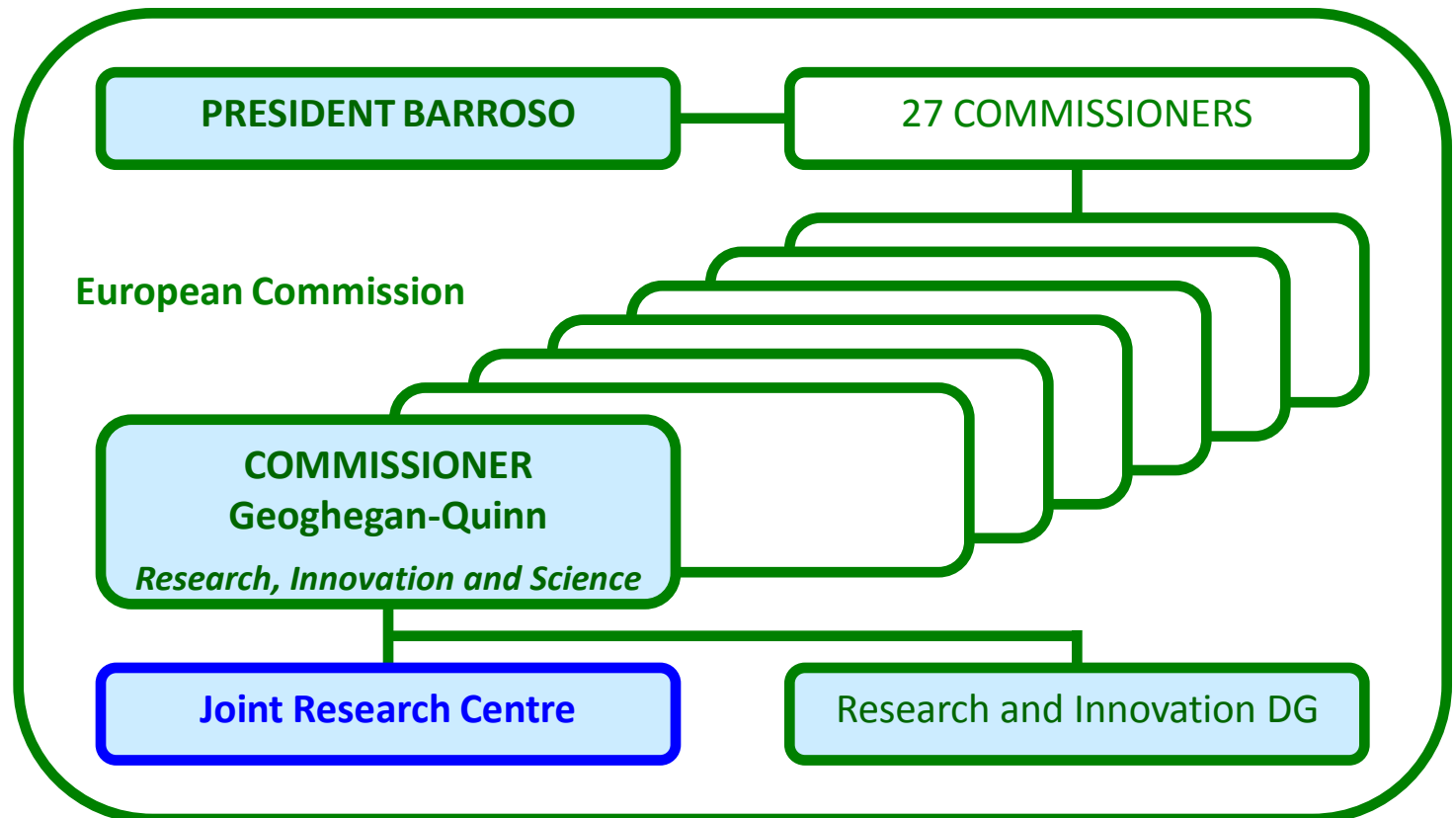
15-16 June 2011



Joint Research Centre (JRC)

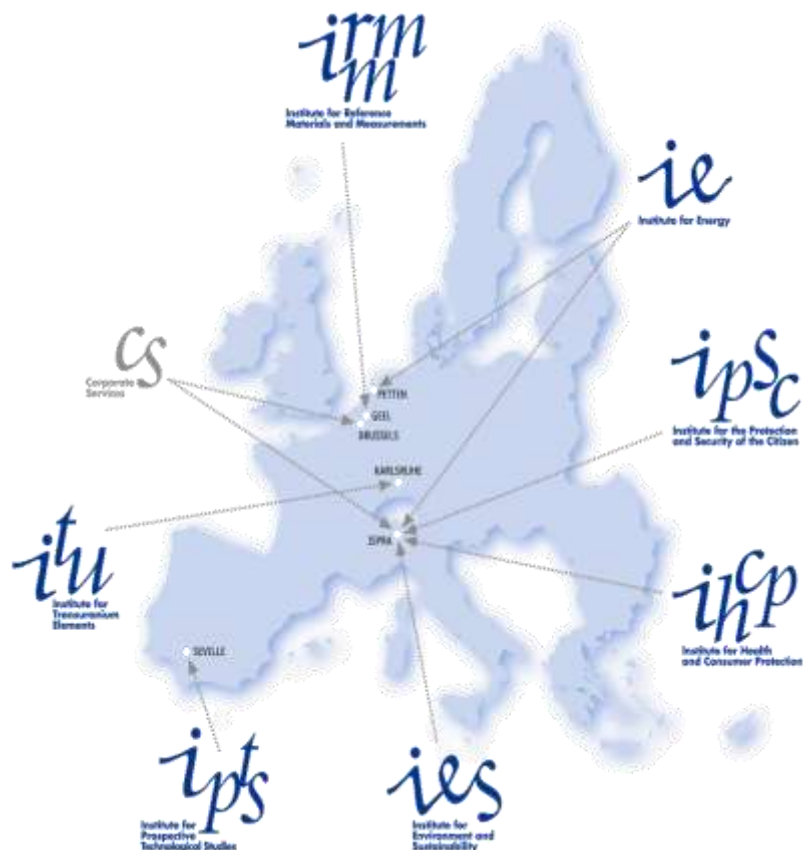


The European Commission and where the JRC (as a DG) fits in...



where DG is Directorate-General (a department of the European Commission)

Joint Research Centre



7 scientific Institutes

IRMM – *Geel, Belgium*

Institute for Reference Materials and Measurements

ITU – *Karlsruhe, Germany and Ispra, Italy*

Institute for Transuranium Elements

IE – *Petten, the Netherlands and Ispra, Italy*

Institute for Energy

IPSC – *Ispra, Italy*

Institute for the Protection and Security of the Citizen

IES – *Ispra, Italy*

Institute for Environment and Sustainability

IHCP – *Ispra, Italy*

Institute for Health and Consumer Protection

IPTS – *Seville, Spain*

Institute for Prospective Technological Studies

CS – *Brussels, Ispra, Geel and Petten*

Corporate Services (including Ispra Site Management)



Barroso: Very strong commitment to research and **innovation** agenda



Geoghegan-Quinn: Promoting the “**innovation union**” - dependent on a strong **science** base



JRC: Integrating robust **science** for policy-making

Our Mission

... is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of EU policies.

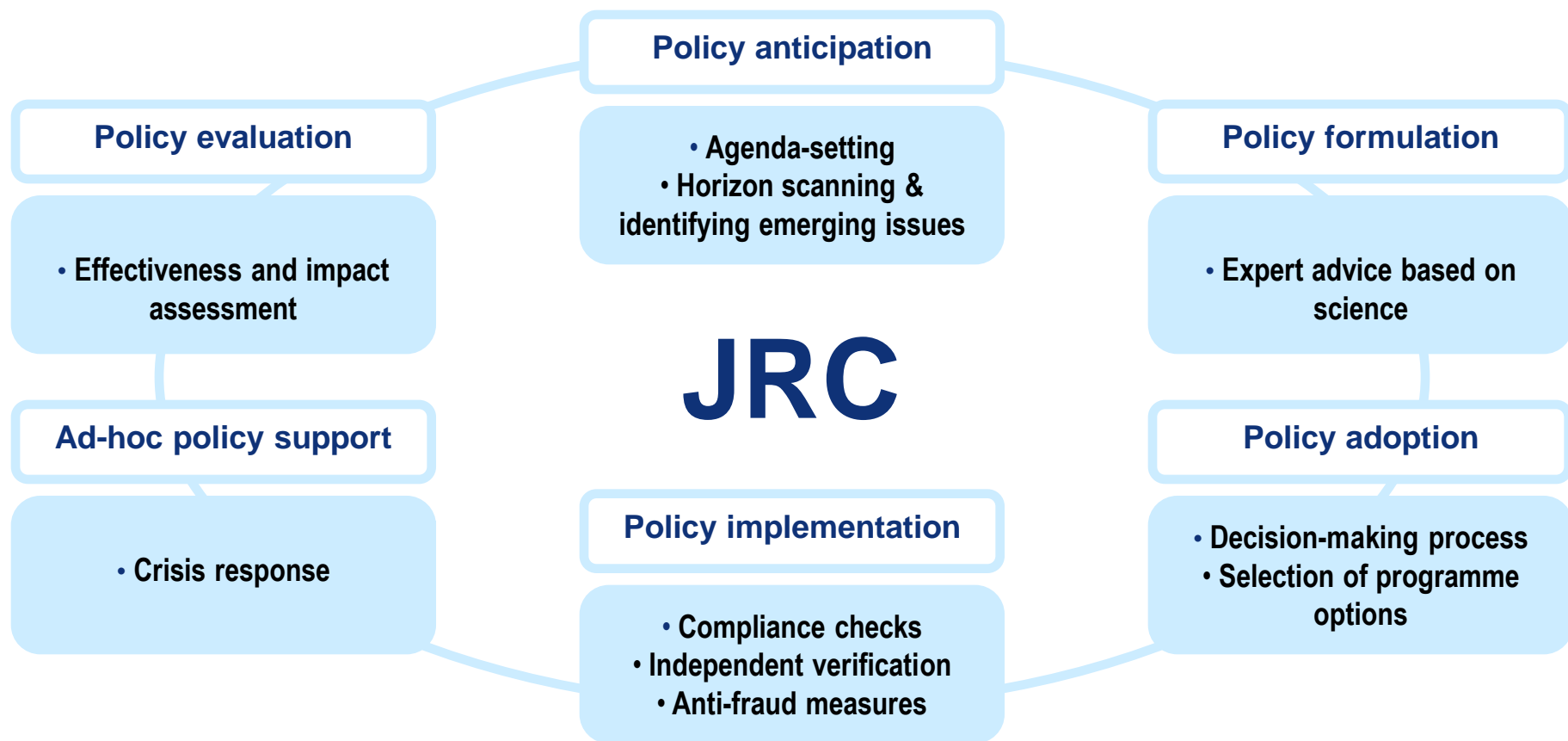
Our Vision driven by the Europe 2020 Strategy

... is to be a trusted provider of science-based policy options to EU policy-makers to address key challenges facing our society, underpinned by internationally-recognised research.

Our Impacts for the EU citizen

... supporting general well-being via harmonised research on energy, environment, transport, climate change, safety of food and consumer products, crisis management, and nuclear safety and security, that have important positive impacts on the daily life of the citizen.

Implementing the JRC Mission in the EU Policy Cycle



Towards an open and competitive economy



Reference materials and measurements



**JRC 2010 – 2020
7 Priority Areas**

Security and crisis management



Development of a low carbon society



Nuclear safety and security



Sustainable management of natural resources



Safety of food and consumer products



Providing tangible results for the citizen

- Promoting an open and competitive economy
- Supporting Europe's information society
- Monitoring companies' R&D spending
- Developing a low carbon society
- Fuelling the hydrogen economy
- Meeting the highest levels of nuclear safety
- Preventing nuclear trafficking
- Improving testing for safer food
- Reducing the risk from dangerous chemicals
- Detecting Genetically Modified Organisms
- Predicting floods and forest fires
- Promoting safer building standards
- Ensuring reliable reference materials and measurements
- Providing quality assurance tools



Supporting EU policies



Making the EU's electricity grids smarter

The JRC has identified and analysed the vulnerabilities of Member States' electricity transmission systems for the implementation of a Directive on Critical European Infrastructures.

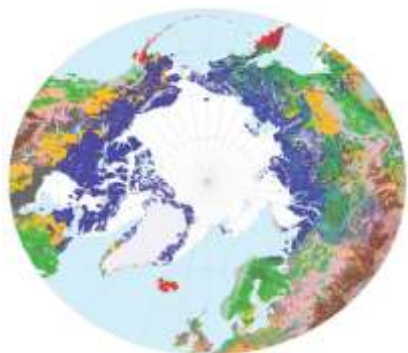
Controlling emissions from heavy duty vehicles

The JRC made significant technical contributions to the procedure to check the *in-use* emissions of heavy duty vehicles. This supports the new Euro VI Regulation on motor vehicles and engines, moving the new emission standards one step closer to final approval.



Calculating greenhouse gas emissions from biofuel crops

The JRC developed a new methodology to estimate changes in global greenhouse gas (GHG) emissions due to biofuel crops. This work underpinned the Commission Report required for the implementation of the Renewable Energy Directive.



Sustaining European Soil

The JRC has developed robust databases supporting the European Soil Thematic Strategy and as a result created three soil atlases, unique collections of maps illustrating the varying patterns of different soil types occurring across Europe. One of the resulting outputs is the first ever European Atlas of Soil Biodiversity.

Supporting sustainable fishing in the Mediterranean

The JRC provides the necessary scientific data and advice on fish stocks, fishing effort and landings to the European Commission's Scientific, Technical and Economic Committee for Fisheries (STECF) to promote a more sustainable exploitation of marine resources.



INSPIRE: Harmonising environmental data worldwide

The JRC is the technical and scientific coordinator of INSPIRE, the Infrastructure for Spatial Information in Europe, which provides the knowledge needed for mitigating natural and man-made hazards to make more efficient use of natural resources, to better protect the environment and to adapt to climate change.



Plasma proteins in human blood testing

The JRC developed reference materials for the concentration of 14 plasma proteins regularly controlled in human blood testing for the detection of many conditions including infection, liver/kidney disorders, iron deficiency, malnutrition and the monitoring of autoimmune diseases. These reference materials are now used worldwide as the standards for achieving comparable diagnostic data.

Twenty-four new reference materials

24 new reference materials were made available by the JRC in 2010. These targeted areas such as food safety and quality (including GMO), environmental monitoring, engineered materials and clinical testing. Three new certified reference materials are now available for water-quality testing set out in the Water Framework Directive.



New developments on nanotechnology

The JRC has been working on the preparation of reference nanomaterials for testing in the harmonisation of industrial goods. The JRC also hosts the largest repository of nano reference materials and has developed an internationally-available database containing test and measurement results used by the OECD, Member States and industry.



Detecting GMOs in food and feed

The JRC provided the "Compendium of Reference Methods for GMO analysis", a reference report listing 79 GMO detection methods validated according to international standards in support of the Regulation on official food and feed controls.

Reducing experiments on animals

The JRC's European Centre for the Validation of Alternative Methods (ECVAM) was established as the EU Reference Laboratory for the validation of alternative methods which could reduce, refine or replace the use of laboratory animals as required in the revised Directive on the protection of animals used for scientific purposes.



Eurocodes for building

Pre-normative research at ELSA (European Laboratory for Structural Assessment) contributed to the development of the common European Standards for Construction (Eurocodes). From 2010, all new public buildings and other civil engineering structures in the EU should be constructed with similar levels of structural safety and energy efficiency in line with the Eurocodes.

Vital information for R&D and Innovation policy

The PREDICT project analyses R&D investments in the EU Information and Communication Technology sector. This is a unique source of information for investment on ICT R&D investments in the EU and its main global competitors, and directly supports R&D and Innovation policy.



More resilient banking sector

The JRC contributed to the development of the directive proposal which amends existing European rules on deposit protection through an impact assessment of the proposed changes and of possible criteria to determine individual banks' contributions based on their risk profiles.



Control of major accident hazards

The JRC published a report on the hazard potential of dangerous substances and activities for the Directive on the control of major accident hazards. This work also requires a formal review of past accidents in the JRC's Major Accident Reporting System to help prevent similar accidents in the future.





Responding to crises

GDACS (the Global Disaster Alert and Coordination System) provides near real-time alerts about natural disasters around the world. In addition, the JRC provided support to rescue operations by carrying out a rapid damage assessment based on the analysis of very high resolution satellite imagery.

Nuclear forensics support to Member States

The JRC supports safeguard authorities by providing environmental sampling and measurements techniques that are essential in the detection of non-declared nuclear activities. The JRC 'clean lab' is used for the measurement of uranium enrichment in particles founded in 'swipes' taken by IAEA or Euratom inspectors across the globe.



Training in nuclear security

The JRC operates a European Nuclear Security Training Centre (EUSECTRA). This provides specific training in nuclear security to address the threats of illicit incidents involving nuclear or other radioactive materials.

A Recruiter and Global Player

The JRC works with over 1 000 public and private organisations, institutions and expert groups in more than 250 major networks worldwide:

- Cooperation and partnerships with key organisations
- Support to enlargement
- Training and mobility of researchers
- Access to scientific infrastructures
- Support to European Research Area policies
- Support to standardisation



European Research Area



www.jrc.ec.europa.eu/jobs



**Delivering high-
standard training to
researchers**

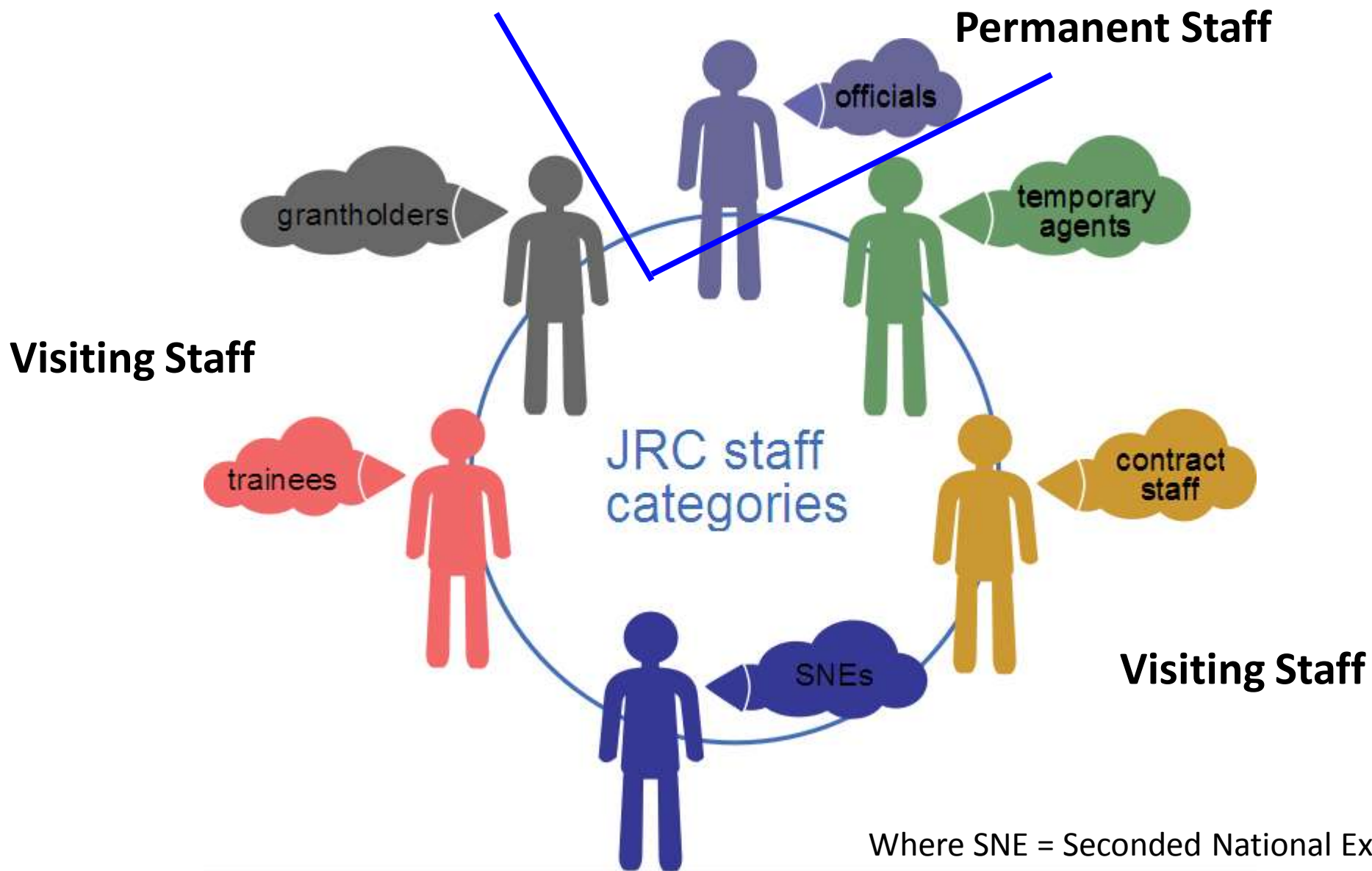
**Creating
attractive careers
for researchers**



**Training
Career
Mobility**

**Aiding mobility of
researchers**

JRC Staff Categories



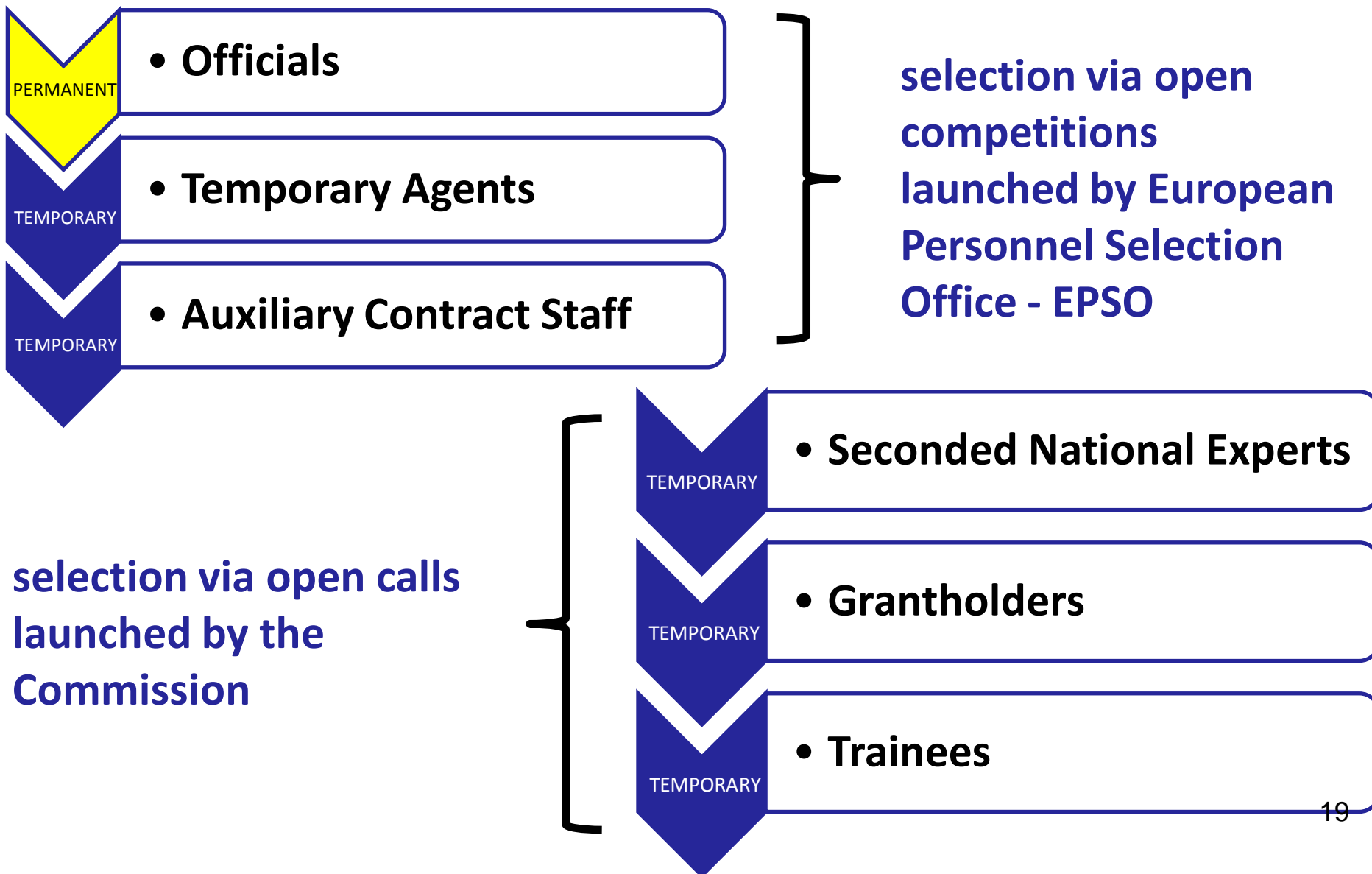
Where SNE = Seconded National Expert

JRC Staff Figures



TOTAL = 2871

Selection Procedures



Where EPSO = European Personnel Selection Office

Officials

EU nationals
Permanent position
Scientific/Administrative staff
EPSO call

Temporary Agents

EU nationals
Max. 4+2 years
Scientific staff ONLY
EPSO call

Contract Auxiliary Staff

EU nationals
Max. 3 years
Scientific/Administrative staff
EPSO call

EU nationals
Can be indefinite
Scientific/Administrative staff
EPSO call

Contract Staff (FG I)

Delivering high standard training...

EU and non-EU nationals
Max. 4 years (exceptionally 6)
Scientific/Administrative staff
Via DG HR (if need exists)

Seconded National Experts

EU and non-EU nationals
Max. 2-3 years
Scientific researchers
Open JRC call

Grantholders

EU and non-EU nationals
Max. 1 year
Scientific researchers
Open JRC call

Trainees

In existence:

JRC code of practice for research student management, supervision and administration

for trainees and doctorate students (category 20)

Covers:

roles and responsibilities of supervisors, managers and research students
research training environment
supervision
research project approval
reporting, evaluation and review
feedback mechanisms
dissemination of research results
behaviour and ethics

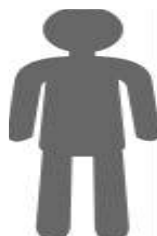
Contracts provide an opportunity to acquire practical experience and knowledge of the day-to-day workings of the JRC



Preparation of a thesis for a university degree



Training after university education



Industrial placement

MIN: 3
months
and
MAX: 12
months

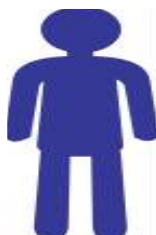
Grantholders

Contracts aimed at developing training, career development and mobility opportunities for researchers



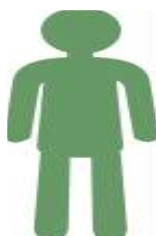
Ph.D. students
(max. 3 years)

Requirements:
Submission of a proposal for a Ph.D.



Post-doctorate students
(max. 3 years)

Requirements:
Ph.D. or 5 years of research experience



Senior scientists
(max. 2 years)

Requirements:
Ph.D. and 10 years of research experience or 15 years of research experience post-degree

*Scenario above applies to Geel/Petten/Ispra
For Seville, possibility to extend until project terminated, but Director-General approval required
For Karlsruhe, for cat. 20, possibility to extend to 4 years in exceptional situations*

Open calls through EPSO

**2 researcher
function groups
(IV, III)**



**Duration:
-- function groups
(IV, III): 3 years**

Function group IV

Administrative, advisory, linguistic and equivalent technical tasks

Function group III

Executive tasks, drafting, accountancy and other equivalent technical tasks

Function Group IV, III, II

Career in the Commission

Officials

EU nationals
Permanent position
Scientific/Administrative staff
EPSO call

Temporary Agents

EU nationals
Max. 4+2 years
Scientific staff ONLY
EPSO call

Contract Auxiliary Staff

EU nationals
Max. 3 years
Scientific/Administrative staff
EPSO call

EU nationals
Can be indefinite
Scientific/Administrative staff
EPSO call

Contract Staff (FG I)

Creating attractive careers...

Career contributors

EU and non-EU nationals
Max. 4 years (exceptionally 6)
Scientific/Administrative staff
Via DG HR (if need exists)

Seconded National Experts

EU and non-EU nationals
Max. 2-3 years
Scientific researchers
Open JRC call

Grantholders

EU and non-EU nationals
Max. 1 year
Scientific researchers
Open JRC call

Trainees

researcher

Open calls through EPSO

Levels
AD and AST



Research
positions

Permanent (upon successful completion of the
probationary period)

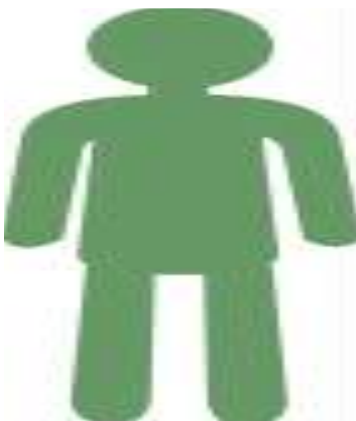
TEMPORARY AGENTS

Open calls through EPSO

researcher



Levels
AD and AST



Duration
Max: 4 +2 years

For **researchers** with expertise that cannot be found either in-house or on the EPSO reserve lists

SECONDED NATIONAL EXPERTS

Calls through Permanent Representations/Diplomatic Missions

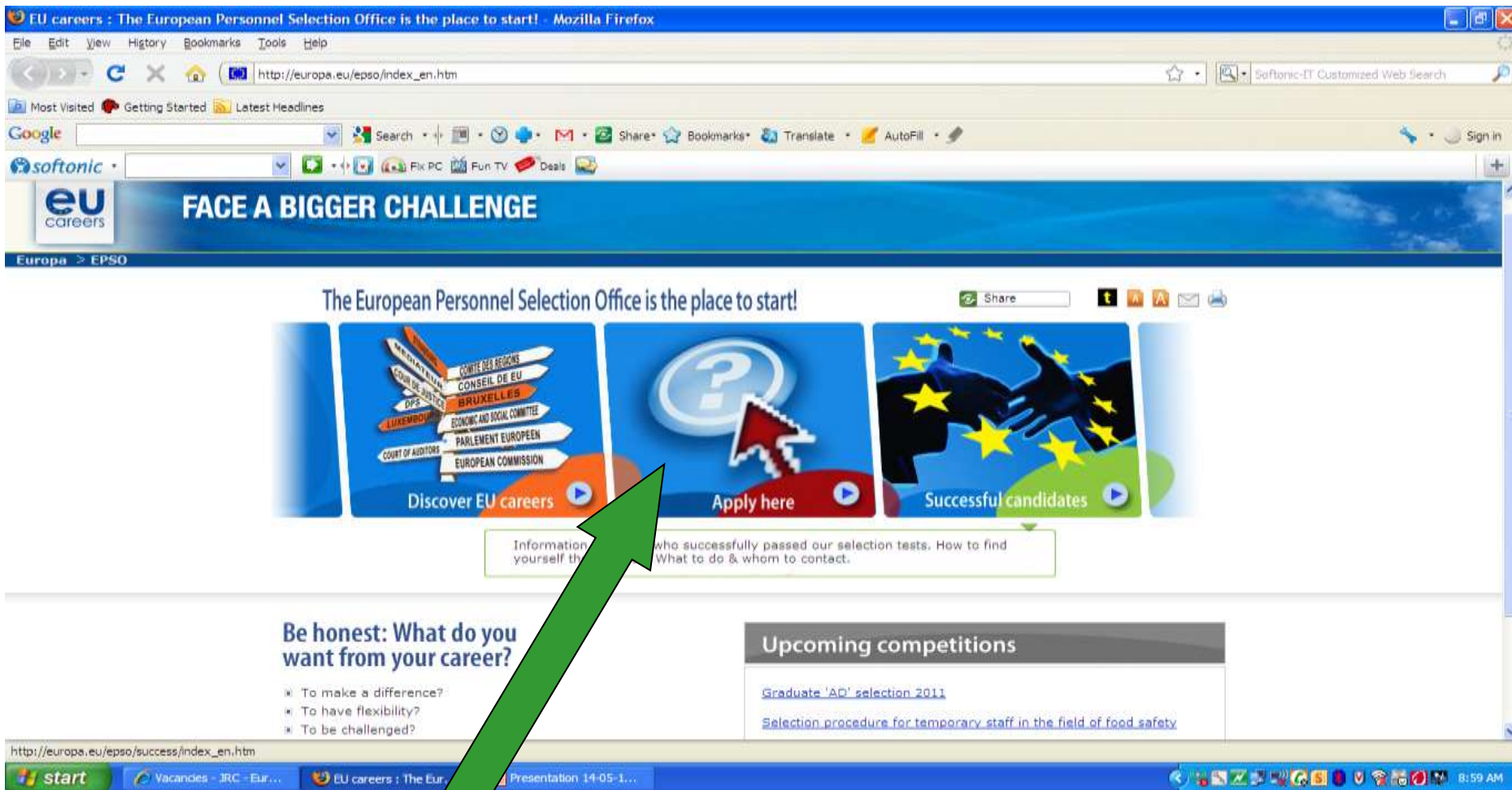
National or international civil servants who will work temporarily for the Commission



Duration: Not fewer than 6 months and not more than 4 years (exceptionally 6 years)

National of an EU or EFTA Member State or a country undergoing accession negotiations that has a specific agreement with the Commission on staff secondments

http://europa.eu/epso/index_en.htm



EU careers : The European Personnel Selection Office is the place to start! - Mozilla Firefox

http://europa.eu/epso/index_en.htm

FACE A BIGGER CHALLENGE

Europa > EPSO

The European Personnel Selection Office is the place to start!

Discover EU careers | Apply here | Successful candidates

Information yourself th... who successfully passed our selection tests. How to find What to do & whom to contact.

Be honest: What do you want from your career?

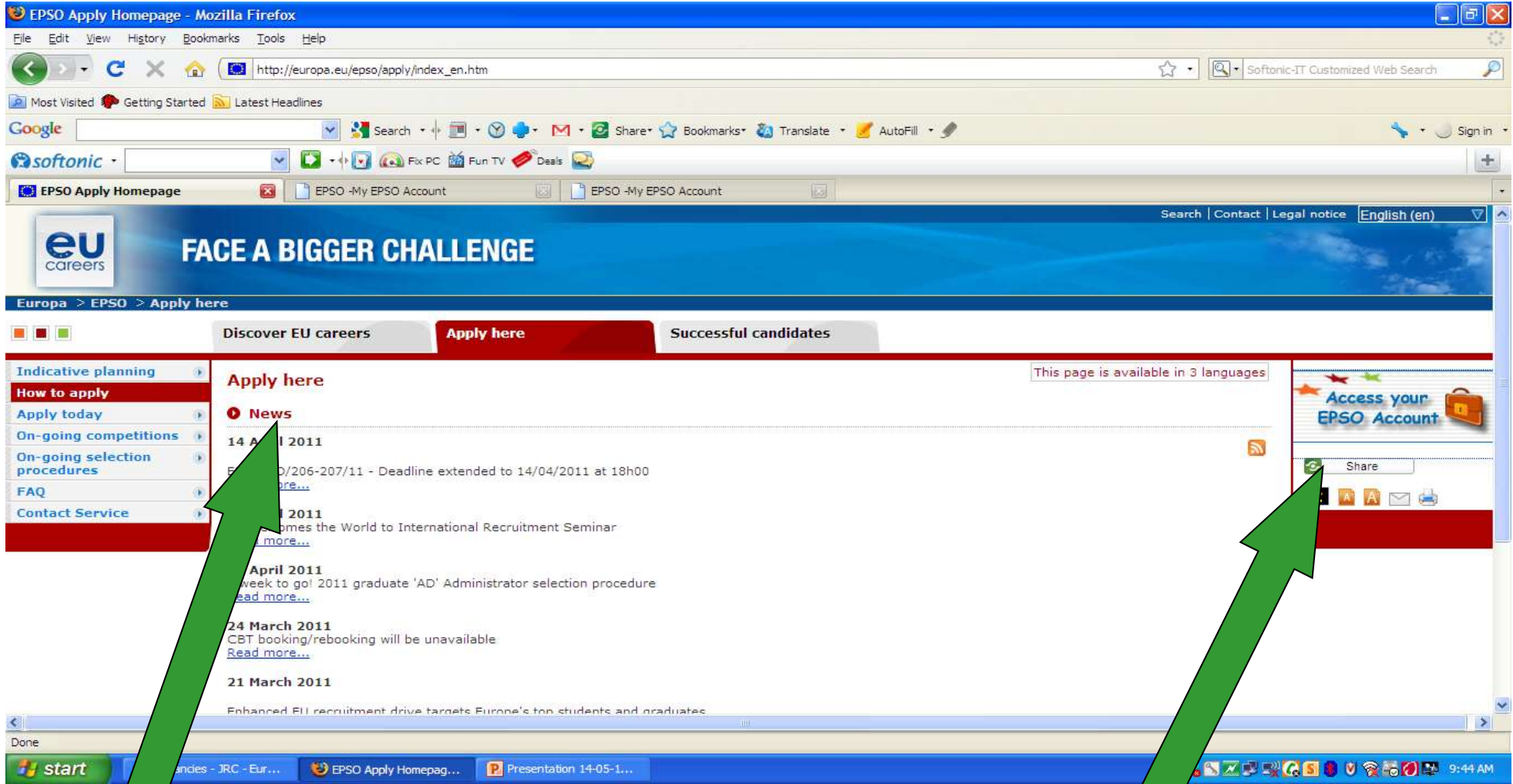
- ❑ To make a difference?
- ❑ To have flexibility?
- ❑ To be challenged?

Upcoming competitions

- [Graduate 'AQ' selection 2011](#)
- [Selection procedure for temporary staff in the field of food safety](#)

http://europa.eu/epso/success/index_en.htm

Click on **Apply here**



The screenshot shows the EPSO Apply Homepage in Mozilla Firefox. The browser's address bar displays the URL http://europa.eu/epso/apply/index_en.htm. The page header includes the 'eu careers' logo and the slogan 'FACE A BIGGER CHALLENGE'. The main navigation menu has three tabs: 'Discover EU careers', 'Apply here' (which is highlighted in red), and 'Successful candidates'. On the left, a sidebar menu lists various options, with 'Apply here' being the primary focus. The main content area displays a 'News' section with several entries, including dates like '14 April 2011' and '21 March 2011'. On the right side, there is a section for 'Access your EPSO Account' with a 'Share' button and social media icons. Two large green arrows are overlaid on the page: one points to the 'Apply here' link in the main navigation, and the other points to the 'Access your EPSO Account' button.

2. Apply here

1. Create your **EPSO account**

http://europa.eu/epso/apply/index_en.htm

<http://ec.europa.eu/dgs/jrc/index.cfm>

<http://ec.europa.eu/dgs/jrc/index.cfm?id=2030>



The screenshot shows the JRC website interface. At the top, there is a navigation bar with links for FAQ, Index, Contact, Search, Services, JRC websites, Privacy statement, and Legal notice. Below this is the European Commission logo and the text 'European Commission Joint Research Centre'. A breadcrumb trail reads 'European Commission > JRC > Jobs'. A main navigation menu includes 'At a glance', 'Activities', 'Press', 'News & Events', 'Download', 'Collaborations', and 'Jobs'. On the left side, a 'Jobs' sub-menu is visible, with 'Vacancies' highlighted by a green circle and a green arrow pointing to it. Below the menu, there is a section for downloading a brochure titled 'Jobs at the JRC' in various languages (DE, EN, ES, FR, IT, NL) and a size of 628 kb. Further down are logos for 'EU career smart choice' and 'euraxess RESEARCHERS IN MOTION'. The main content area features a 'Job Opportunities' section with a list of bullet points: 'Have you a passion for research?', 'Do you have the right blend of scientific competence, experience and language skills?', 'Are you ready to work at the cutting edge of scientific and technological developments to support EU policy makers?', 'Are you an enthusiastic and curious and innovative individual?', and 'Are you ready to work in a multicultural and multilingual research environment?'. To the right of this list is a word cloud containing terms like 'activities', 'career', 'challenging', 'competence', 'conditions', 'cutting edge', 'employees', 'enthusiastic', 'eu', 'european', 'commission', 'innovative', 'jobs', 'jrc', 'lifelong learning', 'mobility', 'policy', 'possibilities', 'progress', 'recruitment', 'remuneration', 'research', 'scientific', 'skills', 'social', 'stimulating', 'supportive', 'work', and 'workplace'. Below the word cloud is a paragraph about the JRC's headquarters in Brussels and its research institutes in Ispra, Karlsruhe, Petten, Geel, and Seville. There are also sections for 'Recruitment', 'Meet the researchers', and 'Workplace'. At the bottom, a note states: 'Note: The JRC offers a wide range of job possibilities. While the JRC's recruitment efforts focus predominantly on researchers linked to the main activities of the organisation, opportunities do exist for others in occupational fields such as administration (comprising secretarial, financial, legal and HR functions) and information technology.'

Click here

Jobs – Vacancies at the JRC

<http://ec.europa.eu/dgs/jrc/index.cfm?id=2030>



Vacancies - JRC - European Commission - Windows Internet Explorer

http://ec.europa.eu/dgs/jrc/index.cfm?id=3720

File Edit View Favorites Tools Help

Google jrc

Vacancies - JRC - European Commission

FAQ | Index | Contact | Search | Services | JRC websites | Privacy statement | Legal notice

European Commission **Joint Research Centre**

European Commission > JRC > Jobs > Vacancies

At a glance | **Activities** | Press | News & Events | Download | Collaborations | **Jobs**

Jobs

Permanent positions
Temporary positions
Vacancies
Meet the researchers
Workplace

Download the brochure "Jobs at the JRC"
DE EN ES FR IT NL
(628 Kb)

EU career smart choice

Vacancies
Recently announced vacant positions or calls for expression of interest:

Grantholders

- [] Ph.D. students (Cat.20) (0)
- [+] Post-doc researchers (Cat.30) (16)
- [+] Senior researchers (Cat.40) (5)

Details on the Grantholder categories may be found on the Grantholders page.
The JRC also offers several Enlargement & Integration Action grantholders posts.

Traineeships

- [+] Trainee positions (6)

Details on the Traineeship scheme may be found on the JRC Trainees page.

Other categories

- [+] Seconded National Experts (1)
- [] Contract Staff (0)

Print this | Share

RSS

List of vacancies

Internet 100%

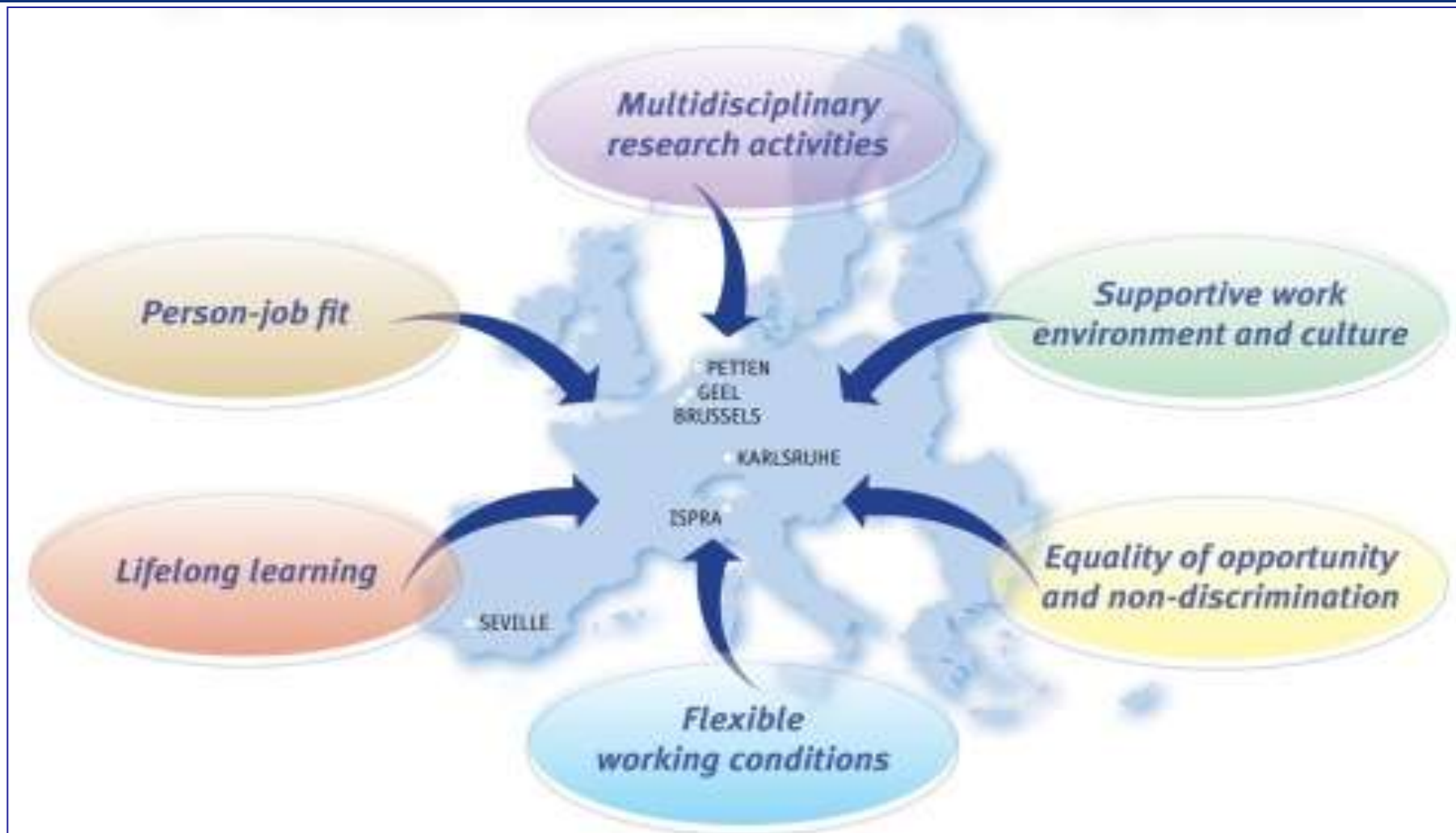
start Vacancies - JRC - Eur... EPSO Apply Homepag... Presentation 14-05-1... 10:16 AM

- 1. Effective training: scientific writing techniques, communication skills, language skills...**
- 2. IPR awareness – entrepreneurship training, spin-offs, patenting...)**
- 3. Training supervision for trainees and doctoral students**
- 4. Staff exchanges with academia/other Commission DGs**
- 5. Possibility of teaching/lecturing (100 hrs./yr.)...**
- 6. Possibility of leave from JRC (and reinstatement) – inter-sectoral mobility possible**
- 7. Transparency in recruitment procedures (EPSO, JRC and publications on EURAXESS...); presence at job fairs**

CAREER OPPORTUNITIES



An enriching environment...



to carry out challenging and interesting work in the research field...



<http://ec.europa.eu/dgs/jrc/index.cfm>



<http://europa.eu/epso/>



http://europa.eu/index_en.htm



http://ec.europa.eu/civil_service/index_en.htm

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