The European Research Council in H2020
Contents

- ERC basics
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- ERC in H2020
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ERC basics
ERC basics
What is ERC?

- An autonomous funding body set up by the EU in 2007 and led by scientists
- Funding excellent researchers of any nationality, to carry out frontier research in Europe, via annual competitions
- In all fields of science and humanities, without thematic priorities
- 1 researcher, 1 Host Institution, 1 project, 1 selection criterion
- Substantial grants and a recognised label of excellence
- International, top level peer-review
ERC basics

ERC structure

The European Commission
- Provides financing through the EU framework programmes
- Guarantees autonomy of the ERC
- Assures the integrity and accountability of the ERC
- Adopts annual work programmes as established by the Scientific Council

The ERC Scientific Council
- 22 prominent researchers proposed by an independent identification committee
- Appointed by the Commission (4 years, renewable once)
- Establishes overall scientific strategy; annual work programmes (incl. calls for proposals, evaluation criteria); peer review methodology; selection and accreditation of experts
- Controls quality of operations and management
- Ensures communication with the scientific community

The ERC Executive Agency
- Executes annual work programme as established by the Scientific Council
- Implements calls for proposals and provides information and support to applicants
- Organises peer review evaluation
- Establishes and manages grant agreements
- Administers scientific and financial aspects and follow-up of grant agreements
- Carries out communications activities and ensures information dissemination to ERC stakeholders
ERC basics
ERC Scientific Council Members

- Prof. Klaus BOCK (Chemistry)
- Prof. Nicholas CANNY (History)
- Prof. Sierd A.P.L. CLOETINGH (Earth Sciences)
- Prof. Tomasz DIETL (Physics)
- Prof. Daniel DOLEV (Computer Sciences)
- Prof. Athene DONALD (Biological Physics)
- Prof. Carlos M. DUARTE (Biology)
- Dr. Barbara ENSOLI (Medicine)
- Prof. Daniel ESTEVE (Physics)
- **Prof. Pavel EXNER** (Applied Mathematics & Mathematical Physics), ERC Vice President
- Prof. Reinhard GENZEL (Astrophysics)
- **Prof. Carl-Henrik HELDIN** (Molecular Cell Biology), ERC Vice President
- Prof. Timothy HUNT (Biology)
- Prof. Matthias KLEINER (Engineering)
- Prof. Eva KONDOROSI (Biology)
- Prof. Nuria SEBASTIAN GALLES (Psychology)
- **Prof. Helga NOWOTNY** (Science and Technology Studies), ERC President
- Prof. Alain PEYRAUBE (Linguistics)
- Prof. Mart SAARMA (Biology)
- Prof. Anna TRAMONTANO (Biochemistry)
- Prof. Isabelle VERNOS (Molecular and Cell Biology)
- Prof. Reinhilde VEUGELERS (Economics)
ERC basics
ERC funding schemes

Starting Grants
starters
(2-7 years after PhD)
up to € 2.0 Mio
for 5 years

Consolidator Grants
consolidators
(7-12 years after PhD)
up to € 2.75 Mio
for 5 years

Advanced Grants
track-record of
significant research
achievements in the
last 10 years
up to € 3.5 Mio
for 5 years

Synergy Grants
2 – 4 Principal Investigators
up to € 15.0 Mio for 6 years

Proof-of-Concept
bridging gap between research - earliest
stage of marketable innovation
up to €150,000 for ERC grant holders
ERC basics
Substantial grants to the very best

➢ The Researcher (PI : Principal Investigator)
  ▪ ERC funds individual scientists
  ▪ Any nationality, age or current place of work in the world
  ▪ Starting, consolidator or advanced grant (depending on work experience and scientific achievements)

➢ Research team
  ▪ The PI can choose national or trans-national team members if scientific added value proven
  ▪ The grant covers the salary of team members
ERC basics
Substantial grants to fund frontier research

Frontier research project
- All fields of fundamental research: Physical Sciences & Engineering, Life Sciences, Social Sciences & Humanities
- Bottom-up: no predetermined subjects, no priorities
- High risk/high gain
- 5 years projects
- No consortia, no co-funding

Host Institution (HI) in Europe
- The one where the researcher already works, or any other institution based in EU or associated countries
- Grants are portable (= the PI can change Host Institution)
- Universities, research centres; public or private
### ERC basics

#### Evaluation of proposals: main features

- **Goal of the evaluation**: select the best frontier research proposals
- **Only evaluation criteria**: excellence
- **Method**: peer review
- **Structure**: 25 panels distributed in 3 scientific domains (10 Physical Sciences, 9 Life sciences and 6 Social Sciences and Humanities)
- **Each panel consists of**: 1 panel chair and 12-15 panel members

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What makes ERC evaluation exceptional?  

| Peers  
| Review procedure |
ERC basics
Evaluation of proposals: peers

- **Panel members:** typically 375 / call
  - High-level scientists
  - Recruited by ScC from all over the world: ~14% from outside Europe
  - About 12-15 members plus a chair person

- **Referees:** typically 2000 / call
  - Evaluate only a small number of proposals
  - Similar to normal practise in peer-reviewed journals
ERC basics
Evaluation of proposals: review procedure

**STEP 1**
Remote assessment by Panel members of section 1 – PI and synopsis

- Panel meeting
- Proposals retained for step 2

**STEP 2**
Remote assessment by Panel members and reviewers of full proposals

- Panel meeting + interview (StG and CoG)
- Ranked list of proposals

Feedback to applicants

- Right balance between generalist + specialized review
- Appropriate treatment of interdisciplinary proposals
- Good benefit-cost ratio
ERC basics
Evaluation of proposals: panel structure

Life Sciences
- LS1 Molecular & Structural Biology & Biochemistry
- LS2 Genetics, Genomics, Bioinformatics & Systems Biology
- LS3 Cellular and Developmental Biology
- LS4 Physiology, Pathophysiology & Endocrinology
- LS5 Neurosciences & neural disorders
- LS6 Immunity & infection
- LS7 Diagnostic tools, therapies & public health
- LS8 Evolutionary, population & environmental biology
- LS9 Applied life sciences & biotechnology

Social Sciences and Humanities
- SH1 Individuals, institutions & markets
- SH2 Institutions, values, beliefs and behaviour
- SH3 Environment, space and population
- SH4 The Human Mind and its complexity
- SH5 Cultures & cultural production
- SH6 The study of the human past

Physical Sciences & Engineering
- PE1 Mathematics
- PE2 Fundamental constituents of matter
- PE3 Condensed matter physics
- PE4 Physical & Analytical Chemical sciences
- PE5 Materials & Synthesis
- PE6 Computer science & informatics
- PE7 Systems & communication engineering
- PE8 Products & process engineering
- PE9 Universe sciences
- PE10 Earth system science
ERC achievements
## ERC achievements

### Time line

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tbody>
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<td>2005</td>
<td>Appointment of 22 Scientific Council Members</td>
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<tr>
<td>2006</td>
<td>Adoption of FP7 and IDEAS Programme</td>
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<td>2007</td>
<td>Launch of ERC &amp; 1st StG call</td>
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<td>2008</td>
<td>1st AdG call</td>
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<td>2009</td>
<td>2nd StG and AdG calls</td>
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<td>2010</td>
<td>3rd StG and AdG calls</td>
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<td>2011</td>
<td>4th StG, AdG calls &amp; 1st PoC call</td>
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<td>2012</td>
<td>5th StG, AdG calls 2nd PoC call &amp; 1st SyG call</td>
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<td>2013</td>
<td>6th StG, AdG calls 3rd PoC call 2nd SyG call &amp; 1st CoG call</td>
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**H2020**
ERC achievements
Rising applications
### ERC Calls

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<tr>
<th>Call Type</th>
<th>Total number of applications</th>
<th>Evaluated*</th>
<th>Funded</th>
<th>success rates**</th>
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<td>8,787</td>
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* withdrawn and ineligible proposals not taken into account

** percentage of funded proposals in relation to evaluated proposals
ERC achievements
After 6 years of existence…

- Highly recognised by the research community
- 4,000 top researchers funded (65% are at an early-career stage); 58 nationalities represented
- **Highly competitive** (average success rate 12%)
- Working in >500 different institutions in 29 countries
- 50% of grantees in 50 institutions: “Excellence attracts excellence”
- **Benchmarking** effect: impact on national programmes and agencies; national funding for best "runners-up"
- Efficient and fast grant management
ERC achievements
Grants per country of host institution

Current HI – data as of 09/09/2013
Established by the European Commission

Top European Institutions hosting at least 30 ERC Grantees by funding Schemes

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Research Organisations

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<tr>
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<td>National Institute for Research in Computer Science and Automatic Control (INRIA)</td>
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ERC achievements
Publication from ERC funded projects

Already over **20,000** papers acknowledging ERC support published in international, peer reviewed journals.
ERC achievements
Highly distinguished grantees

Other Prizes awarded to ERC grantees

2012 Prizes awarded to ERC grantees

EMBO GOLD MEDAL 2012 Jiri FRIML - StG 2011
BALZAN PRIZE 2012 David BAULCOMBE - AdG 2008
EUROPEAN LATSIS PRIZE 2012 Uffe HAAGERUP - AdG 2009
KELVIN PRIZE 2012 Colin McINNES - AdG 2008

Other Prizes awarded to ERC grantees

EMBO GOLD MEDAL 2011 – Simon BOULTON - AdG 2010
FEBS|EMBO WOMEN IN SCIENCE 2011 - Carol ROBINSON - AdG 2010
EMBO GOLD MEDAL 2010 – Jason W CHIN - StG 2007
THE SHAW PRIZE IN MATHEMATICAL SCIENCES 2011 - Christodoulou Demetrios - AdG 2009
L’ORÉAL-UNESCO AWARD FOR WOMEN IN SCIENCE 2011 - Anne L'Huillier - AdG 2008
WOLF PRIZE 2010 – Anton ZEILINGER, David BAULCOMBE-AdG 2008, Alain ASPECT-AdG 2010
MILLENIUM AWARD 2010 – Michael GRATZEL - AdG 2009

2013 Wolf Prize awarded to
Peter Zoller - SyG 2012
2013 Holberg Prize awarded to
Bruno Latour - AdG 2010
2013 Crafoord Prize awarded to
Lars Klareskog - AdG 2009
ERC achievements
A success story for European research

More than 5 years of excellent IDEAS

Events around the world - ERC goes global campaign

Wide media coverage (both specialised & general press)

User-friendly website and social media accounts

NCPs
AV products
Quarterly e-newsletter
Specific brochures & more
ERC achievements
ERC around the world

AAAS, USA

"Summer Davos" in China

Global Research Council meetings
ERC in H2020
€ 79 billion from 2014 to 2020

HORIZON 2020 BUDGET (in current prices)

- **Industrial Leadership**: EUR 17.0 billion
- **Societal Challenges**: EUR 29.7 billion
- **Excellent Science**: EUR 24.4 billion
- **European Institute of Innovation and Technology**: EUR 2.7 billion
- **Euratom (2014-2018)**: EUR 1.6 billion
- **Other**: EUR 3.2 billion
## Work Programmes 2014 – Funding for calls

<table>
<thead>
<tr>
<th>Program</th>
<th>Calls</th>
<th>Funding</th>
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<tbody>
<tr>
<td><strong>Excellent Science Pillar:</strong> ~ € 3 billion</td>
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<tr>
<td>European Research Council</td>
<td>4</td>
<td>€ 1 662 million</td>
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<td>Marie Skłodowska-Curie actions</td>
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<td>Future and Emerging Technologies (FET)</td>
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<td>European Research Infrastructures (including e-Infrastructures)</td>
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## Industrial Leadership Pillar: ~ € 1.4 billion

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<td>Access to Risk Finance</td>
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<td>Innovation in small and medium-sized enterprises</td>
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(Does not include €3 billion for SME instrument or Eurostars)

In addition € 300 million for Financial Instruments (not through calls)
# Work Programmes 2014 – Funding for calls

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<td>Food Security, Sustainable Agriculture and Forestry, Marine and Maritime and Inland Water Research and the Bioeconomy</td>
<td>€ 300 million</td>
<td>3 calls</td>
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<tr>
<td>Secure, clean and efficient energy</td>
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<tr>
<td>Smart, green and integrated transport</td>
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<td>Climate action, environment, resource efficiency and raw materials</td>
<td>€ 300 million</td>
<td>3 calls</td>
</tr>
<tr>
<td>Europe in a changing world – inclusive, innovative and reflective societies</td>
<td>€ 112 million</td>
<td>5 calls</td>
</tr>
<tr>
<td>Secure Societies</td>
<td>€ 200 million</td>
<td>4 calls</td>
</tr>
</tbody>
</table>

**In addition**

<table>
<thead>
<tr>
<th></th>
<th>Funding</th>
<th>Calls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spreading Excellence and Widening Participation</td>
<td>€ 50 million</td>
<td>3 calls</td>
</tr>
<tr>
<td>Science with and for Society</td>
<td>€ 45 million</td>
<td>4 calls</td>
</tr>
</tbody>
</table>
Major Simplification for the benefit of applicants

1. A single set of rules for all funding under Horizon 2020
   ✓ Fewer, more flexible, funding instruments

2. Simpler reimbursement: 1 project = 1 funding rate
   ✓ 100% of the total eligible costs (70% for innovation actions)
   ✓ Non-profit legal entities can also receive 100% in innovation actions
   ✓ Single flat rate for indirect costs (25% of eligible costs)

3. Faster time to grant
   ✓ Within 8 months of call deadline
Major Simplification for the benefit of applicants

4. Fewer, better targeted controls and audits

5. Coherent implementation
   - Through dedicated agencies
   - Single IT system

6. Simplification in grant agreements
Simpler access through the Participant Portal

- Single entry point - from calls to electronic submission of proposals
- New tools for smart searches for the benefit of users, including newcomers to the programme.
The HORIZON 2020 main components:

- **Excellent Science**
  - *World class science is foundation of technologies, jobs, well-being*
  - *Europe needs to develop, attract, retain research talent*
  - *Researchers need access to the best infrastructures*

- **Industrial leadership**

- **Societal challenges**

**Excellent Science:**

- **European Research Council** (budget under H2020: € 13 billion)
- Future and Emerging Technologies
- Marie Skłodowska Curie Actions
- Research Infrastructures
ERC in H2020
Budget Horizon 2020 after negotiations between Parliament-Council-Commission

FP7 budget € 50.5 billion
ERC budget € 7.5 billion

H2020 budget € 77 billion
ERC budget € 13 billion
ERC in H2020
Changes and continuity

- **Essential features maintained:**
  - Same schemes, same principles, same selection procedures/criteria
  - Independent Scientific Council with full authority over funding strategy
  - Executive Agency with autonomous operation

- **Increased budget (13 Bio € in current prices for 2014-2020):**
  - More opportunities than ever for top research talents

- **Strengthening the Scientific Governance of the European Research Council:**
  - Strengthening the links between the Scientific Council and the Executive Agency
  - Merging positions of President of ERC and Secretary General
  - Full-time President based in Brussels
  - 3 Vice-Chairs elected from amongst the Scientific Council members
ERC in H2020
2014 – 2020 budget
ERC in H2020
Work program 2014, summary of main features

- Indicative publication date of first calls: December 11, 2013
- Three ERC frontier research grants will be available under Work Programme 2014: Starting; Consolidator; and Advanced Grants
- The Scientific Council will analyse the pilot phase of the ERC Synergy Grant (calls were made under Work Programmes 2012 and 2013) before deciding on the scope and timing of future calls. No SyG call under Work Programme 2014
- Extension of restrictions on applications will apply to the 2015 calls based on the outcome of the evaluation of the 2014 calls
- ERC Principal Investigators will also continue to be able to apply for the Proof of Concept Grant, first introduced in 2011
- Overhead: 25%
- Indicative budget for 2015 to help the research community to plan applications
## ERC in H2020

**Work program 2014, indicative planning**

<table>
<thead>
<tr>
<th>ERC calls</th>
<th>Budget</th>
<th>Call Publication*</th>
<th>Submission Deadline(s)*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Starting Grants</strong></td>
<td>485 M€</td>
<td>11 December 2013</td>
<td>25 March 2014</td>
</tr>
<tr>
<td>ERC-2014-StG</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Consolidator Grants</strong></td>
<td>713 M€</td>
<td>11 December 2013</td>
<td>20 May 2014</td>
</tr>
<tr>
<td>ERC-2014-CoG</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Advanced Grants</strong></td>
<td>450 M€</td>
<td>17 June 2014</td>
<td>21 October 2014</td>
</tr>
<tr>
<td>ERC-2014-AdG</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ERC-2014-PoC</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Pending the adoption of the WP 2014
Greece at ERC
Greece at ERC
Evaluated proposals from hosts in Greece

1042 evaluated proposals from host institutions in Greece, by ERC call and domain

Ineligible and withdrawn proposals not taken into account; *) all submitted for 2013 calls
Greece at ERC
Granted proposals at host institutions in Greece

34 projects with a host institution in Greece, by ERC call and domain

Grants per domain

- LS: 62%
- PE: 35%
- SH: 3%

* current host institutions; data as of 09/09/2013
Greece at ERC
Success rates per country of Host Institution
Greece at ERC
ERC grant distribution to countries of HI
ERC StG and AdG calls 2007-2013 (without CoG 2013)

*) Host institution refers to the organisation with which the first grant agreement was signed.
Greece at ERC
Mobility of researchers
ERC StG and AdG calls 2007-2013 (without CoG 2013)

1 foreign PI in Greece

Current host institutions; data as of 09/09/2013
Greece at ERC

Greek ERC grantees outside Greece
ERC StG and AdG calls 2007-2013 (without CoG 2013)

Greeks applying with a HI outside Greece
<table>
<thead>
<tr>
<th>Evaluated</th>
<th>Grantees</th>
<th>s.rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>resident in Greece</td>
<td>31</td>
<td>4</td>
</tr>
<tr>
<td>resident in other EU countries</td>
<td>342</td>
<td>35</td>
</tr>
<tr>
<td>resident outside EU</td>
<td>8</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>381</td>
<td>40</td>
</tr>
</tbody>
</table>

Greeks applying with a HI in Greece
<table>
<thead>
<tr>
<th>Evaluated</th>
<th>Grantees</th>
<th>s.rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>resident in Greece</td>
<td>869</td>
<td>28</td>
</tr>
<tr>
<td>resident in other EU countries</td>
<td>19</td>
<td>1</td>
</tr>
<tr>
<td>resident outside EU</td>
<td>39</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td>927</td>
<td>33</td>
</tr>
</tbody>
</table>

Host institution

<table>
<thead>
<tr>
<th>Greek PIs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imperial College</td>
</tr>
<tr>
<td>University of Oxford</td>
</tr>
<tr>
<td>Swiss Federal Institute of Technology Zurich</td>
</tr>
<tr>
<td>University of Geneva</td>
</tr>
<tr>
<td>University of Cambridge</td>
</tr>
<tr>
<td>Swiss Federal Institute of Technology Lausar</td>
</tr>
<tr>
<td>Other</td>
</tr>
<tr>
<td>TOTAL</td>
</tr>
</tbody>
</table>

Greeks grantees abroad

<table>
<thead>
<tr>
<th>Field of Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Products and Processes Engineering</td>
</tr>
<tr>
<td>Computer Science and Informatics</td>
</tr>
<tr>
<td>Genetics, Genomics, Bioinformatics</td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td>Fundamental Constituents of Matter</td>
</tr>
<tr>
<td>The Human Mind and Its Complexity</td>
</tr>
<tr>
<td>Molecular, Structural Biology</td>
</tr>
<tr>
<td>Neurosciences and Neural Disorders</td>
</tr>
<tr>
<td>Systems and Communication Engineering</td>
</tr>
<tr>
<td>The Study of the Human Past</td>
</tr>
<tr>
<td>Other</td>
</tr>
<tr>
<td>Country</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>UK</td>
</tr>
<tr>
<td>UK</td>
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<tr>
<td>CH</td>
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<tr>
<td>CH</td>
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<tr>
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<td>FI</td>
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<tr>
<td>IL</td>
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</table>

<table>
<thead>
<tr>
<th>Country</th>
<th>Research Organisation</th>
<th>No</th>
<th>StG</th>
<th>AdG</th>
<th>Total</th>
<th>LS</th>
<th>PE</th>
<th>SH</th>
</tr>
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<tbody>
<tr>
<td>FR</td>
<td>National Centre for Scientific Research (CNRS)</td>
<td>1</td>
<td>128</td>
<td>66</td>
<td>194</td>
<td>53</td>
<td>112</td>
<td>29</td>
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<tr>
<td>DE</td>
<td>Max Planck Society</td>
<td>2</td>
<td>62</td>
<td>46</td>
<td>108</td>
<td>57</td>
<td>43</td>
<td>8</td>
</tr>
<tr>
<td>FR</td>
<td>National Institute of Health and Medical Research (Inserm)</td>
<td>3</td>
<td>31</td>
<td>17</td>
<td>48</td>
<td>47</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>FR</td>
<td>French Alternative Energies and Atomic Energy Commission</td>
<td>4</td>
<td>32</td>
<td>9</td>
<td>41</td>
<td>7</td>
<td>33</td>
<td>1</td>
</tr>
<tr>
<td>ES</td>
<td>Spanish National Research Council (CSIC)</td>
<td>5</td>
<td>20</td>
<td>15</td>
<td>35</td>
<td>14</td>
<td>16</td>
<td>5</td>
</tr>
<tr>
<td>FR</td>
<td>National Institute for Research in Computer Science and Automatic Control (INRIA)</td>
<td>6</td>
<td>19</td>
<td>12</td>
<td>31</td>
<td>31</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Greece at ERC
Host institutions in Greece
ERC StG and AdG calls 2007-2013 (without CoG 2013)

Current host institutions; data as of 09/09/2013

- Foundation for Research & Technology Hellas
- National Technical University of Athens
- National Center for Scientific Research "Demokritos"
- National and Kapodistrian University of Athens
- Biomedical Sciences Research Center "Alexander Fleming"
- Academy of Athens - Biomedical Research Foundation
- University of Patras
- University of Ioannina
- University of Crete
- Technical University of Crete
- Research Academic Computer Technology Institute - Greece
- Hellenic Foundation for European and Foreign Policy
- Centre for Research & Technology Hellas
- Athens University of Economics and Business - Research Center
- Aristotle University of Thessaloniki

Legend:
- Advanced Grants
- Starting Grants
- PoC
Greece at ERC
PoC grants by country of host institution
ERC PoC calls 2011, 2012 and 2013-1

[Graph showing PoC grants by country of host institution for Greece at ERC. The graph indicates the number of Proof-of-Concept grants and Starting and Advanced Grants by country, with Greece marked as EL.]
Greece at ERC
A few examples of ERC projects

Nanodrugs for targeted treatments of cancer

**Project:** A Novel Nano-container drug carrier for targeted treatment of prostate cancer (NANOTHERAPY)
**PI:** George Kordas
**HI:** National Center for Scientific Research “Demokritos”
**Call:** Advanced Grant 2008 and PoC Grant 2013
**Funding:** €2 million for 5 years + €150 000 PoC Grant 2013

Characterising organic particles and their impact on climate change and pollution

**Project:** Atmospheric Organic Particulate Matter, Air Quality and Climate Change Studies (ATMOPACS)
**PI:** Spyros Pandis
**HI:** Foundation for Research and Technology Hellas
**Call:** Advanced Grant 2010
**Funding:** €2.5 million for 5 years
For further information

• Participant Portal
  • http://ec.europa.eu/research/participants/portal/desktop/en/home.html

• Research enquiry service
  • http://ec.europa.eu/research/enquiries

• Expert evaluators needed!
  • http://ec.europa.eu/research/index.cfm?pg=newsalert&year=2013&na=na-221113

• Learn more about Horizon 2020
  • http://ec.europa.eu/horizon2020

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