

The European Research Council



European Research Council

Established by the European Commission

A vibrant photograph of a park scene. In the foreground, a tall, slender fountain sprays water upwards, creating a rainbow in the mist. The water reflects in a pond below. In the background, a modern, curved glass skyscraper stands prominently against a clear blue sky. Lush green trees and a well-maintained lawn are visible on the left side of the image.

Funding Opportunities in Europe
for Creative Minds
from all over the World

Outline



European Research Council

Established by the European Commission

- **ERC Basics**
- **Funding Schemes, Opportunities**
- **Testimonies**

ERC Basics: Principles



European Research Council

Established by the European Commission

European Research Council (ERC)

- An **autonomous pan-European funding body** set up by the EU in 2007 **led by scientists**
- Funded through the **EU's Horizon 2020** – Framework Programme for Research and Innovation (2014-2020)
- **Mandate:** to encourage the highest quality research in Europe through competitive funding and to support frontier research

Horizon 2020 budget € 77 billion
ERC budget € 13.1 billion

ERC Basics: Strategy



European Research Council

Established by the European Commission

- Support to **all fields of science**
 - Investigator initiated, no predetermined thematic priorities
- Scientific quality aiming for excellence is the sole criterion of evaluation
- **International**, top level **peer-review process**
- Investment in research talents (2/3 of grantees are under 40 years of age)
 - Long-term, substantial grants to ambitious investigators and their teams to pursue ground-breaking, high-gain high-risk research
- Independent, individual teams in Europe
 - Researchers **of any nationality** willing to do research in the EU or in a country associated with Horizon 2020

ERC Achievements



European Research Council

Established by the European Commission



Over **8,500**
top researchers funded since
the ERC's creation in 2007



Over **100,000**
articles from ERC projects published
in prestigious scientific journals



Over **50,000**
researchers and other professionals
employed in ERC research teams



750 research institutions
hosting ERC grantees – universities,
public or private research centres in
the EU or associated countries



€ 13 billion
ERC budget for 2014-2020 under
Horizon 2020



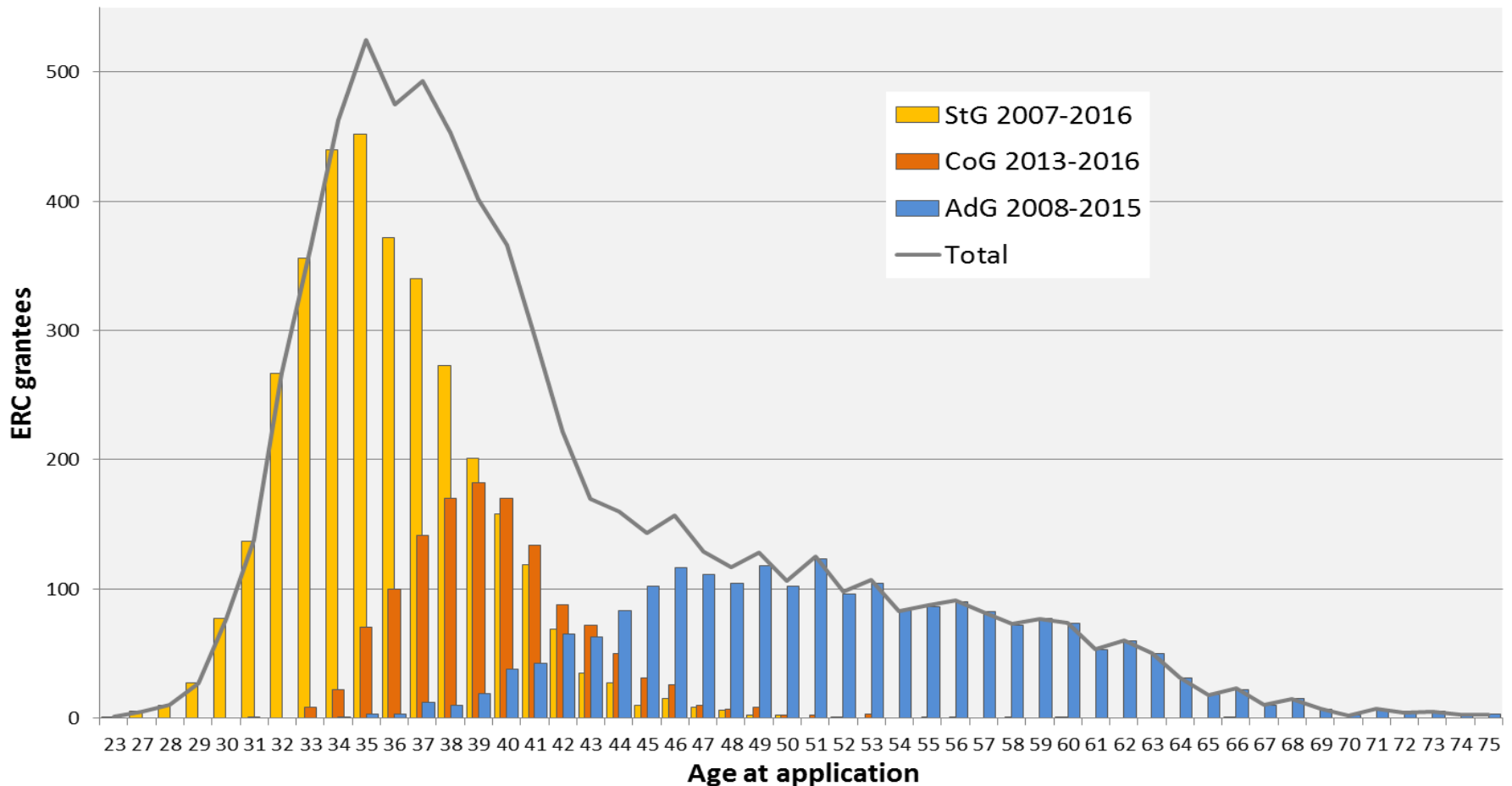
72
nationalities of
grant holders

Age Profile of ERC grantees

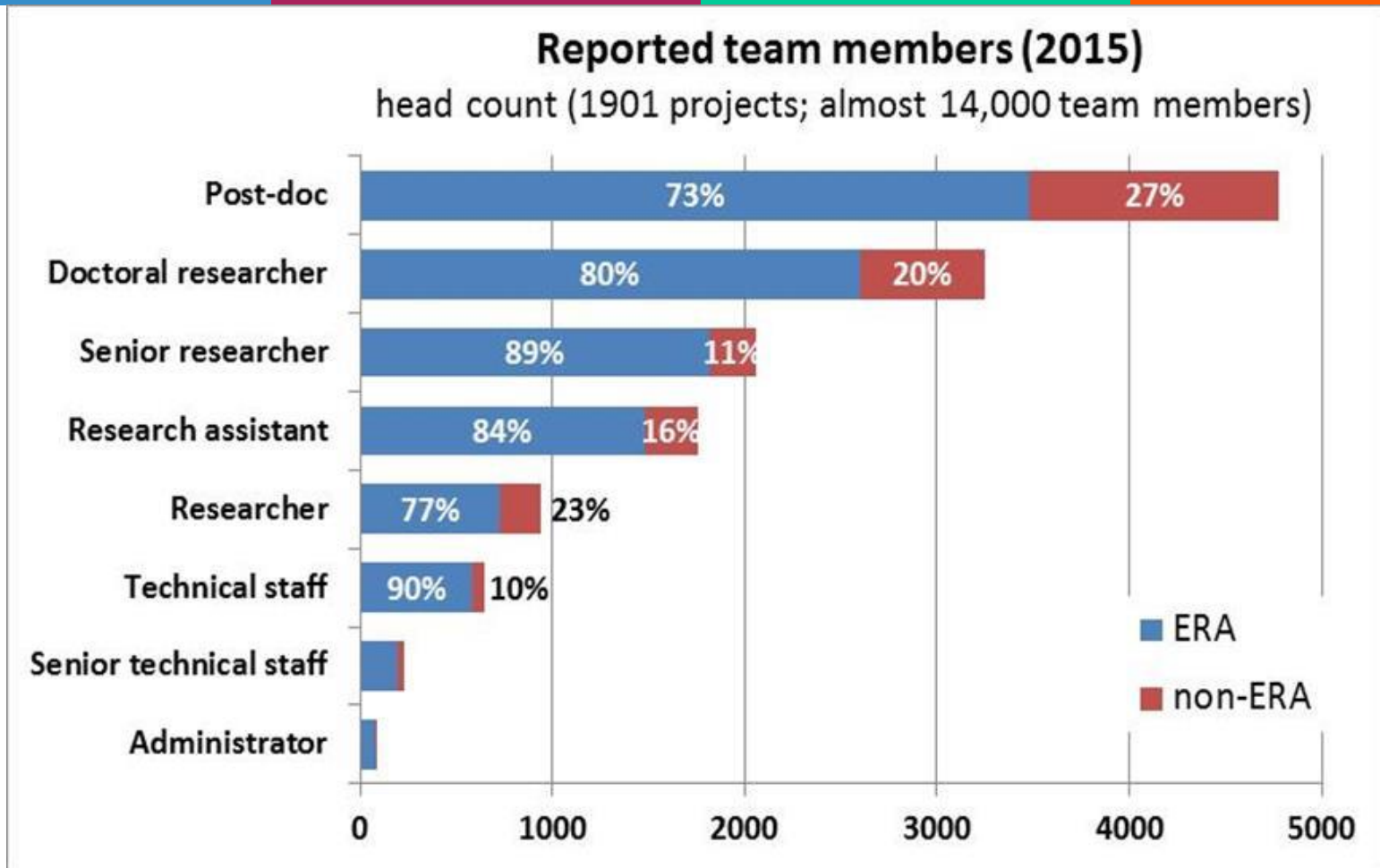


European Research Council

Established by the European Commission



Collaborators in ERC Teams

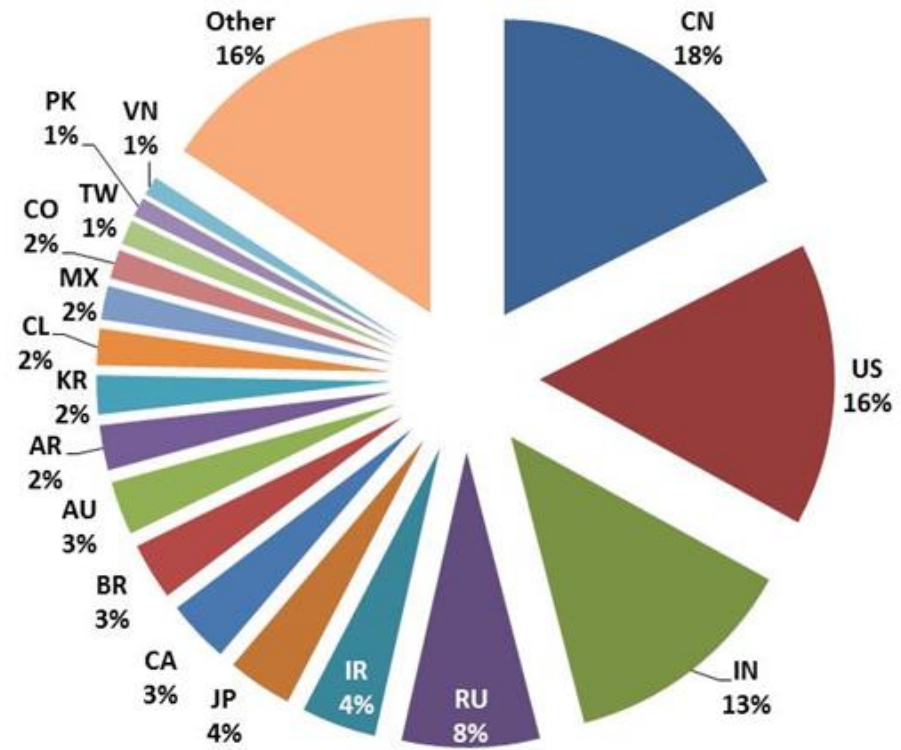


To Attract researchers in Europe

Nationalities of ERC teams members (besides the grantees)

EU: 71 %
Associated countries : 10 %
Non-Europeans : 17 %
 Unknown : 2 %

➤ **+ 9,000** members
 in ERC teams are non-Europeans
 essentially from **China, US, India,**
and Russia



ERC Panel Structure



European Research Council

Established by the European Commission

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 The social world, diversity and common ground
- 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

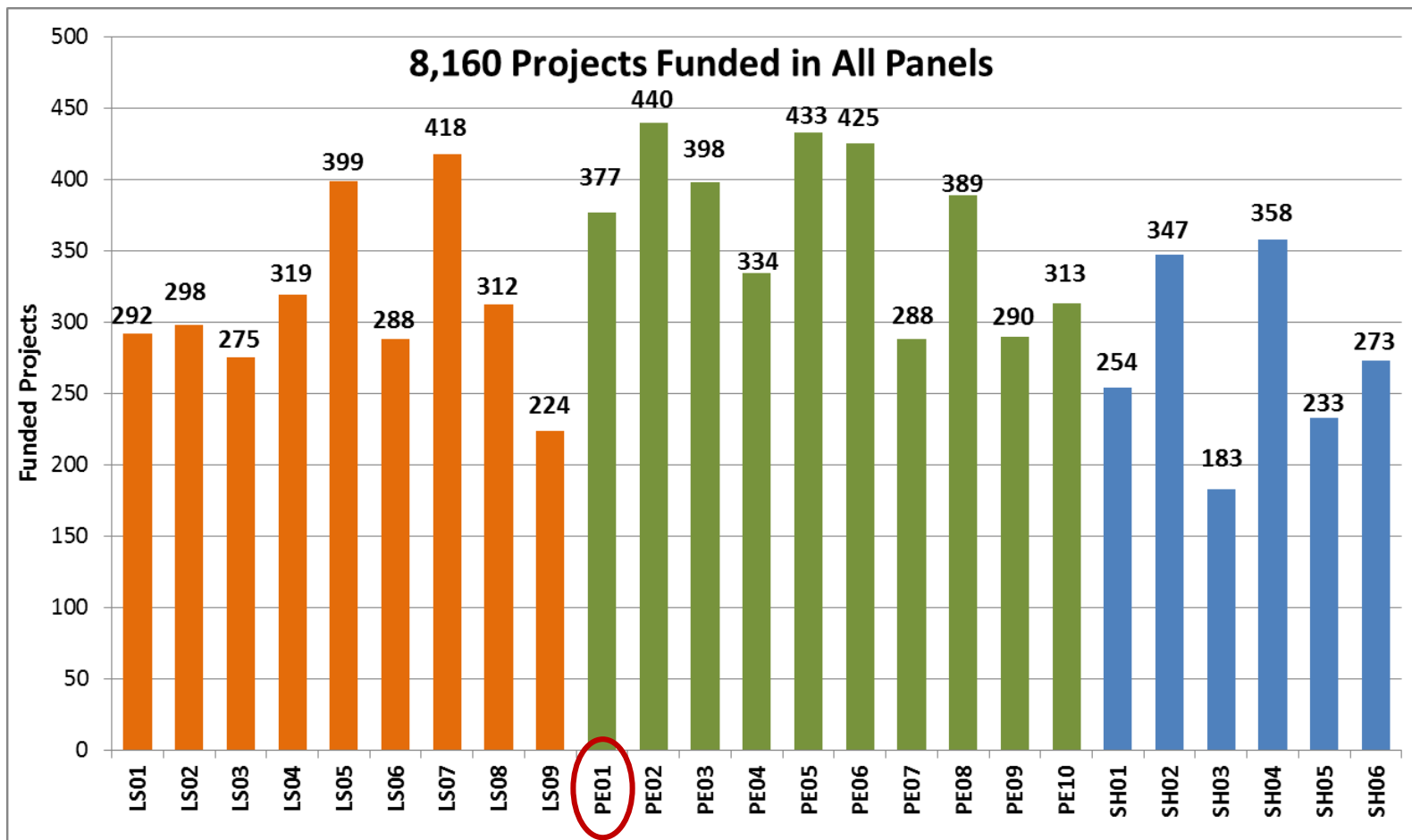
- PE1 Mathematics
- PE2 Fundamental constituents of matter
- PE3 Condensed matter physics
- PE4 Physical & Analytical Chemical sciences
- PE5 Materials & Synthesis
- PE6 Computer science & informatics
- PE7 Systems & communication engineering
- PE8 Products & process engineering
- PE9 Universe sciences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

Ventilation of ERC Grants per Panel



European Research Council

Established by the European Commission



European Commission

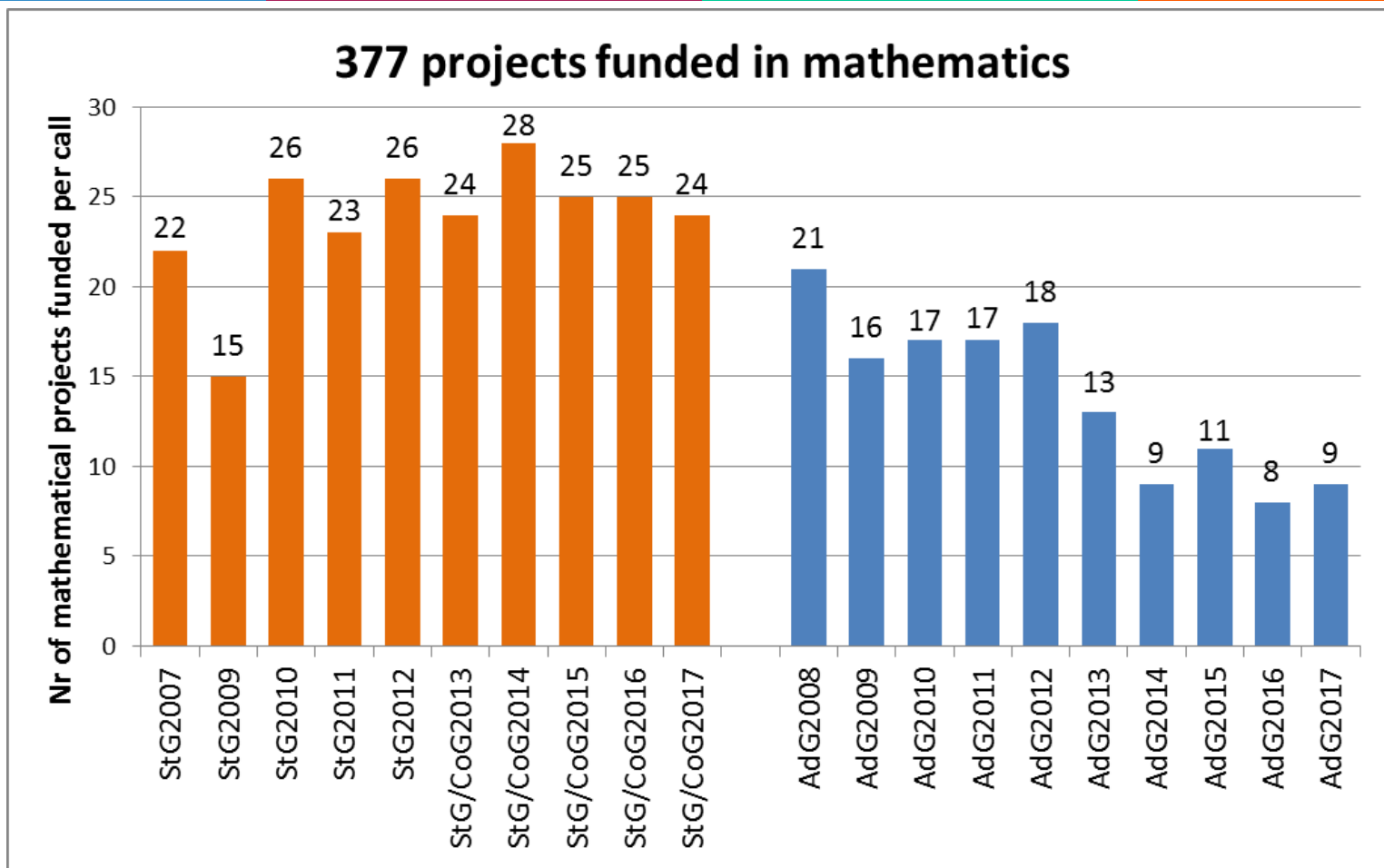
Horizon 2020
European Union funding
for Research & Innovation

Mathematical Projects per call



European Research Council

Established by the European Commission



European Commission

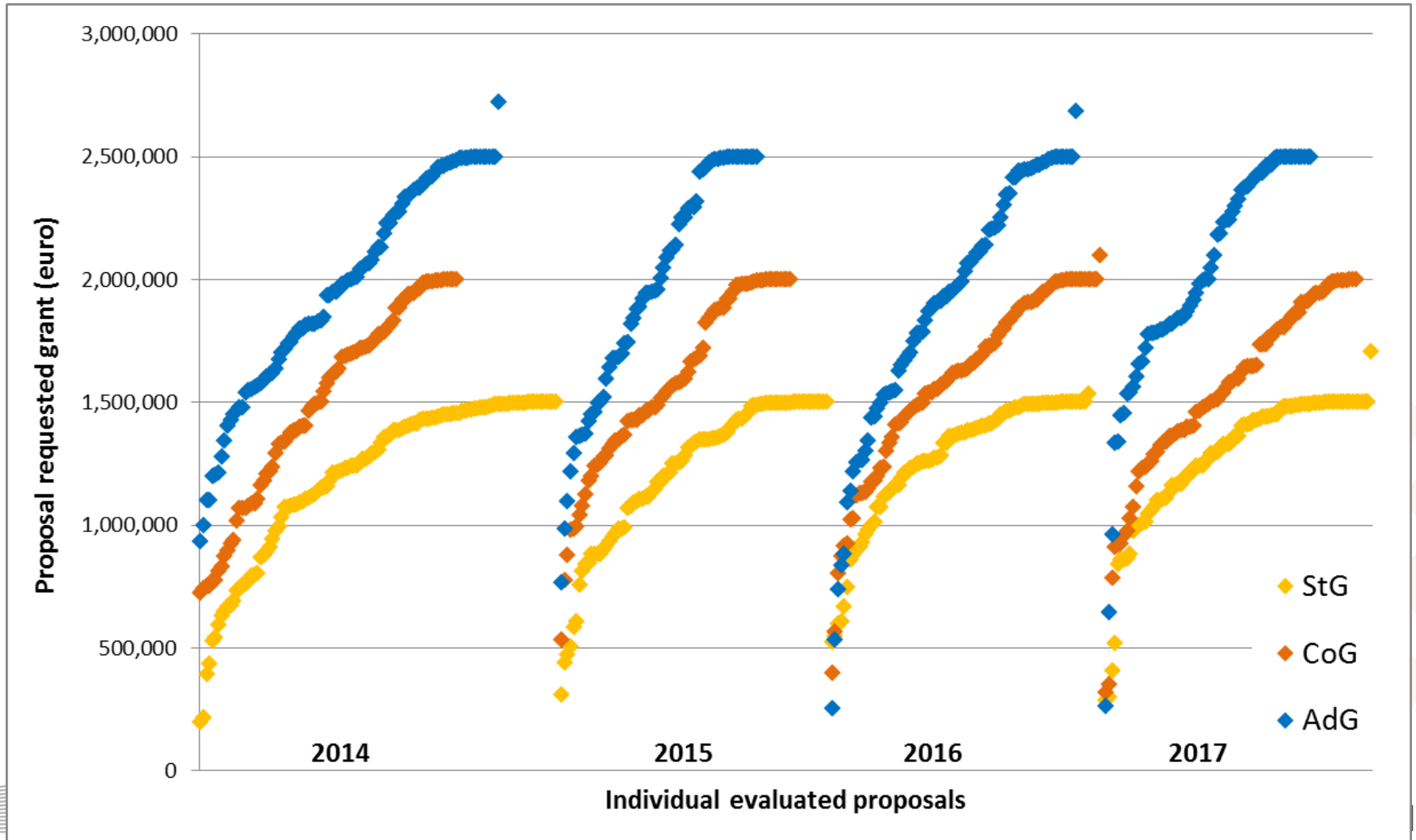
Horizon 2020
European Union funding
for Research & Innovation

Dispersion of Sizes of Grants in PE1

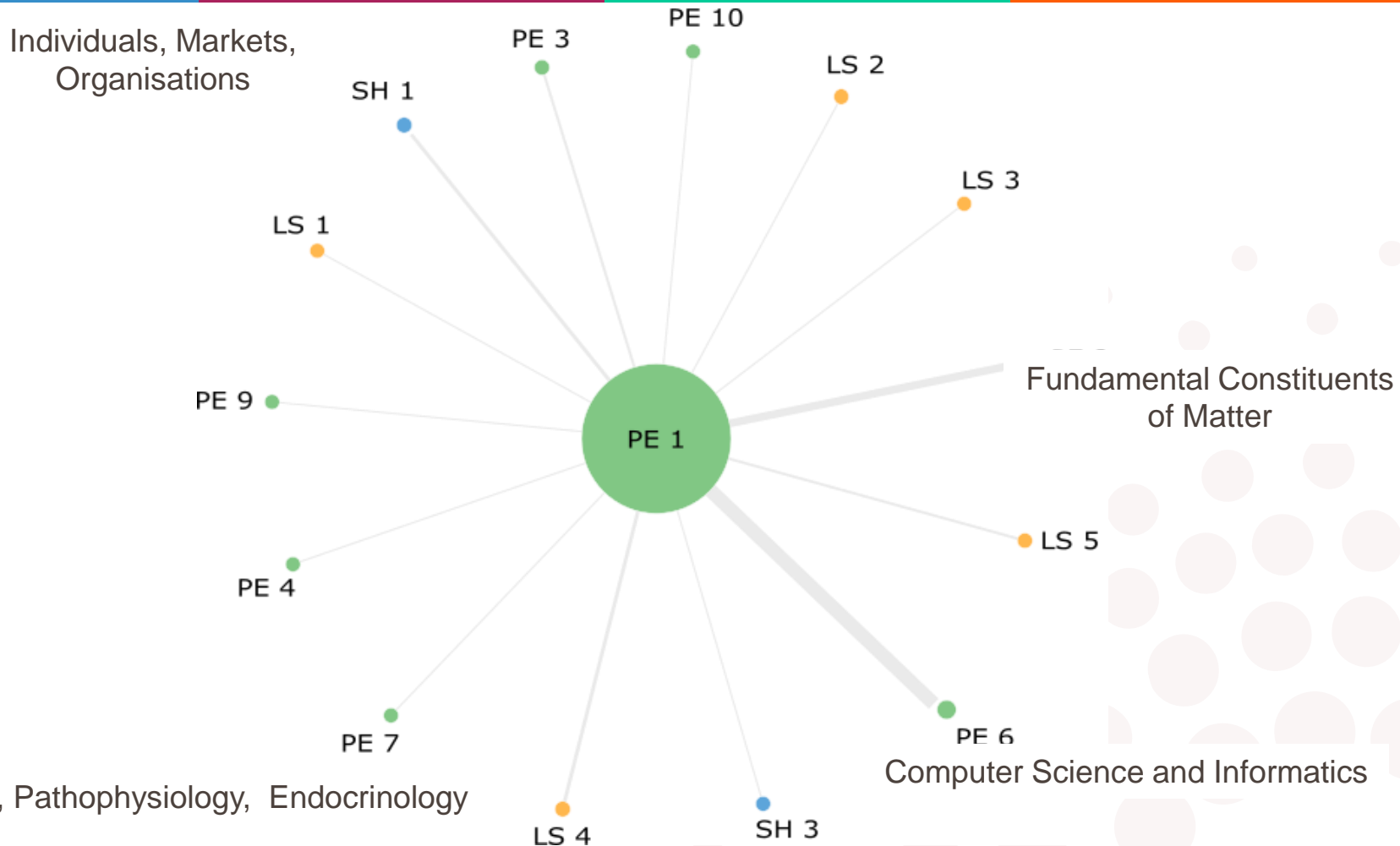


European Research Council

Established by the European Commission



Other Domains called in Math Projects





European Research Council

Established by the European Commission

Funding Schemes, Opportunities



European Research Council

Established by the European Commission

Testimonies

Some Messages to Take Home



European Research Council

Established by the European Commission

ERC awards are:

- **Very competitive:** ~10% success rates
- **Significant:** €1.5M – € 2M for 5 years for Starters / Consolidator
- **Bottom-up:** Open to any topic
- **Ambitious:** Achieve or boost independence and research career
- **Looking for High-risk/ High-gain research**
- **Flexible:** Can re-budget as necessary
- **Portable:** Can be moved anywhere in Europe
- **Prestigious:** Grants became a recognised label of excellence

Open calls: please check ERC website

The European Research Council



European Research Council

Established by the European Commission

More information on

erc.europa.eu

National Contact Point in your country

erc.europa.eu/national-contact-points

Follow us on



<https://www.facebook.com/EuropeanResearchCouncil>



https://twitter.com/ERC_Research



<https://www.linkedin.com/company/european-research-council>