

The European Research Council



European Research Council
Established by the European Commission



Margaret Buckingham
Membre du conseil scientifique de l'ERC

Resumé



- Le budget de l'ERC et les programmes-cadres européens
- Le bilan des programmes AdG, CoG, StG
- Le programme POC (proof of concept)
- Le programme Synergie

Budget Comparison

Euro million current prices	Proposed year	Final year	After EFSI year	Proposed ERC share	Final ERC share	After EFSI ERC share
FP7	72 726 2005	50 521 2007	-	11 862 16.3%	7 510 14.9%	-
Horizon 2020	87 740 2011	77 028 2013	74 828 2014	15 008 17.1%	13 095 17.0%	13 095 17.5%
Horizon Europe	94 100 2018	?	-	16 600 17.6%	?	-

NB the total for Horizon Europe given in the legislation is EUR 94 100m. The difference between this and the EUR 100 000m presented is that it does not count Euratom (EUR 2 400m) and also does not count EUR 3 500m which is for Invest EU. https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv%3AOJ.L_.2015.169.01.0001.01.ENG

HORIZON EUROPE

Programme structure



European Research Council

Established by the European Commission

Support the creation and diffusion
of high-quality knowledge

Strengthen the impact of R&I
in supporting EU policies

Foster all forms of innovation and
strengthen market deployment

Optimise the Programme's delivery for impact in a strengthened ERA



Pillar 1

Open Science

European Research Council

Marie Skłodowska-Curie Actions

Infrastructures



Pillar 2

Global Challenges and
Industrial Competitiveness

Clusters

- Health
- Inclusive and Secure Society
- Digital and Industry
- Climate, Energy and Mobility
- Food and natural resources

Joint Research Centre



Pillar 3

Open Innovation

European Innovation Council

European innovation ecosystems

European Institute of Innovation
and Technology

Strengthening the European Research Area

Sharing excellence

Reforming and Enhancing the European R&I system

Budget Comparison

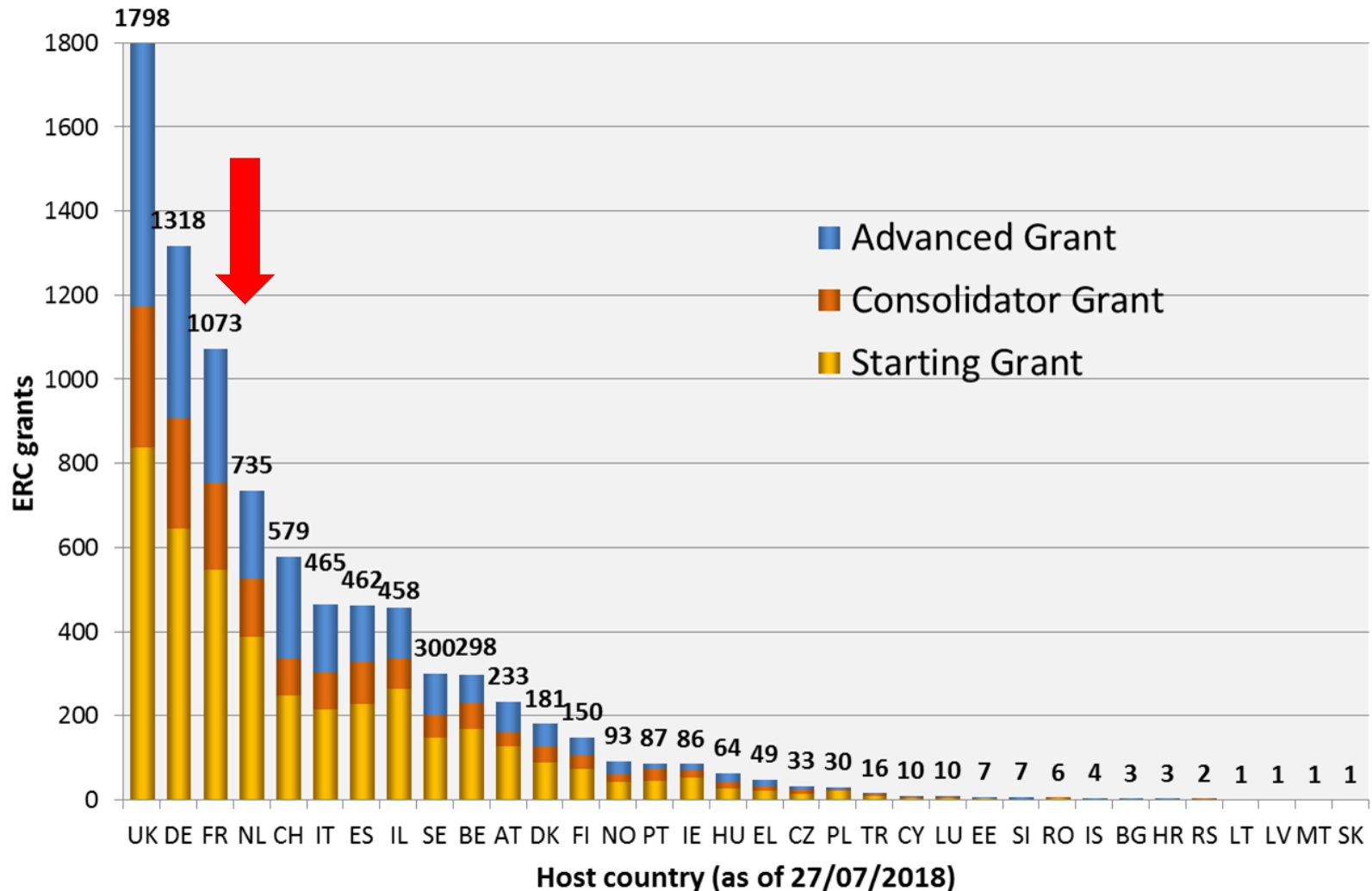
Based on Horizon 2020 after EFSI cut (budget cut from EUR 77 028m by EUR 2 200m to EUR 74 828m).

euro million current prices	Horizon 2020	% of total	Horizon Europe	% of total	% change
	74 828	100%	94 100	100%	+25.8%
ERC	13 095	17.5%	16 600	17.6%	+26.8%
MSCA	6 162	8.2%	6 800	7.2%	+10.4%
Infrastructure	2 389	3.2%	2 400	2.6%	+4.0%
FET	2 585	3.5%	-	-	-
Industrial leadership + Societal challenges	45 095	60.3%	50 500	53.7%	+12.0%
JRC	1 856	2.5%	2 200	2.3%	+18.5%
EIC	-	-	10 500	11.2%	-
EIT	2 383	3.2%	3 000	3.2%	+25.9%
Widening	817	1.1%	1 700	1.8%	+108.1%
SWAFS	445	0.6%	400	0.4%	-10.2%

ERC Funded Projects by Country of HI



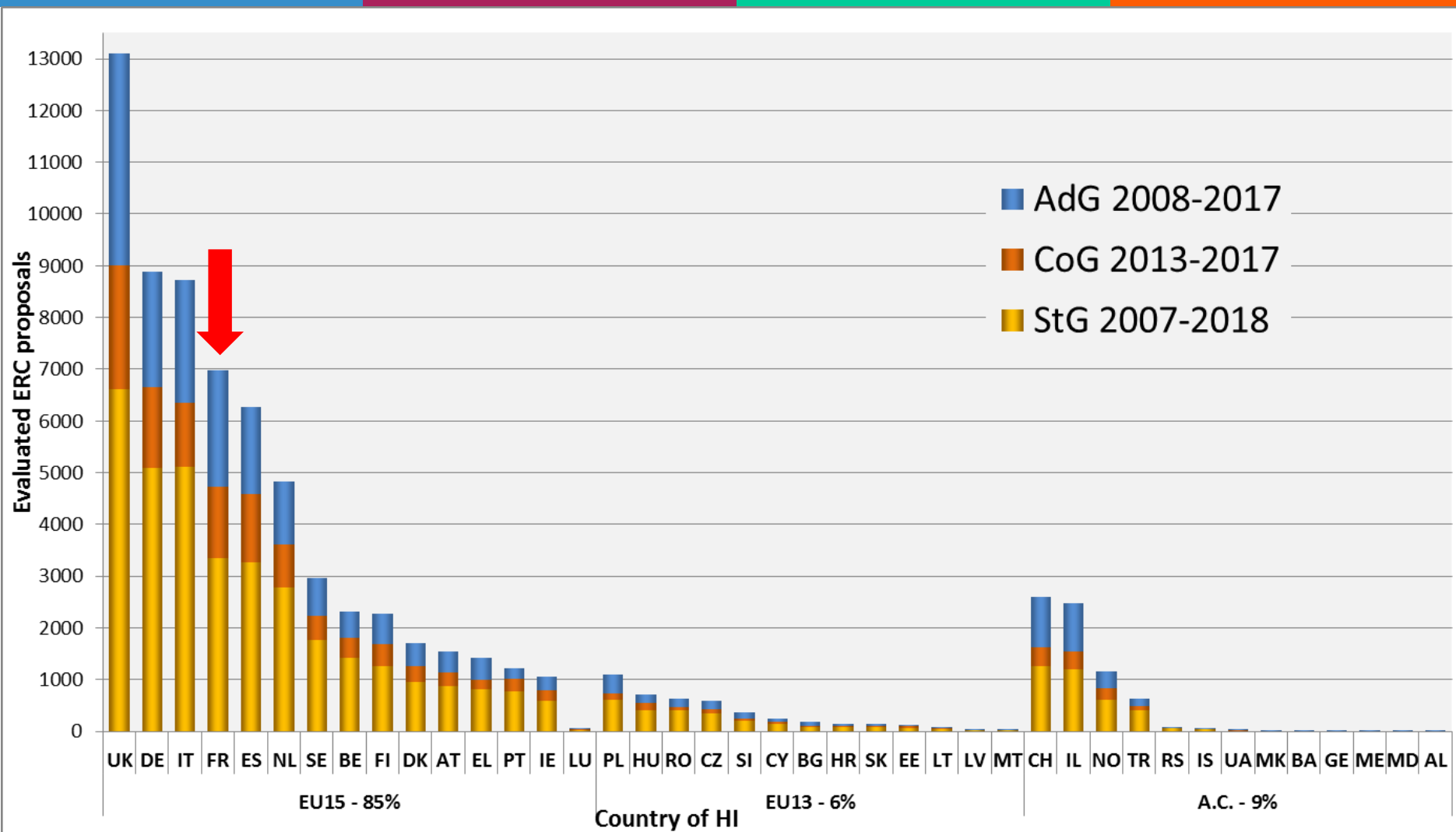
European Research Council
Established by the European Commission



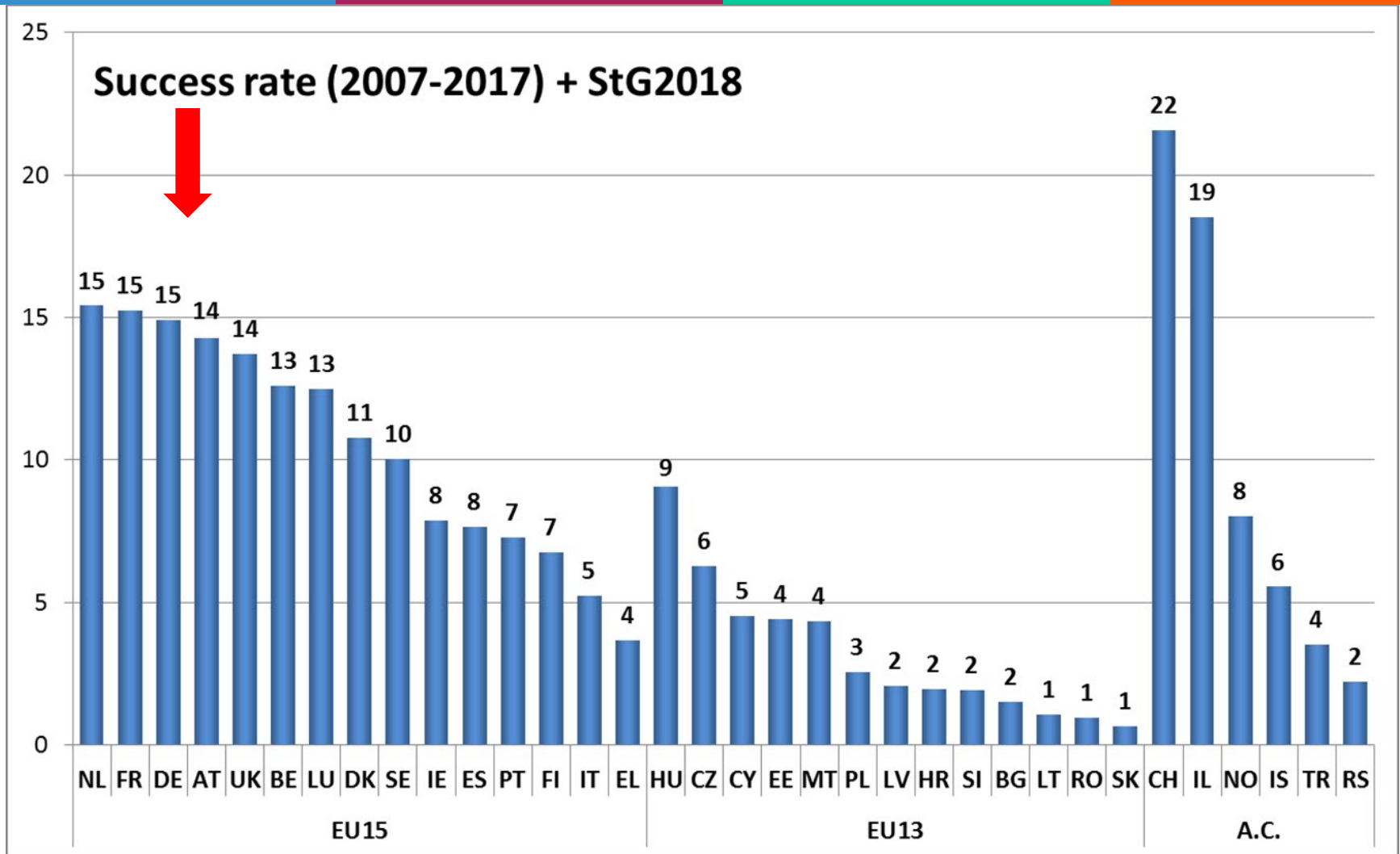
Evaluated ERC Proposals by HI Country



European Research Council
Established by the European Commission



Success Rate by Country of HI



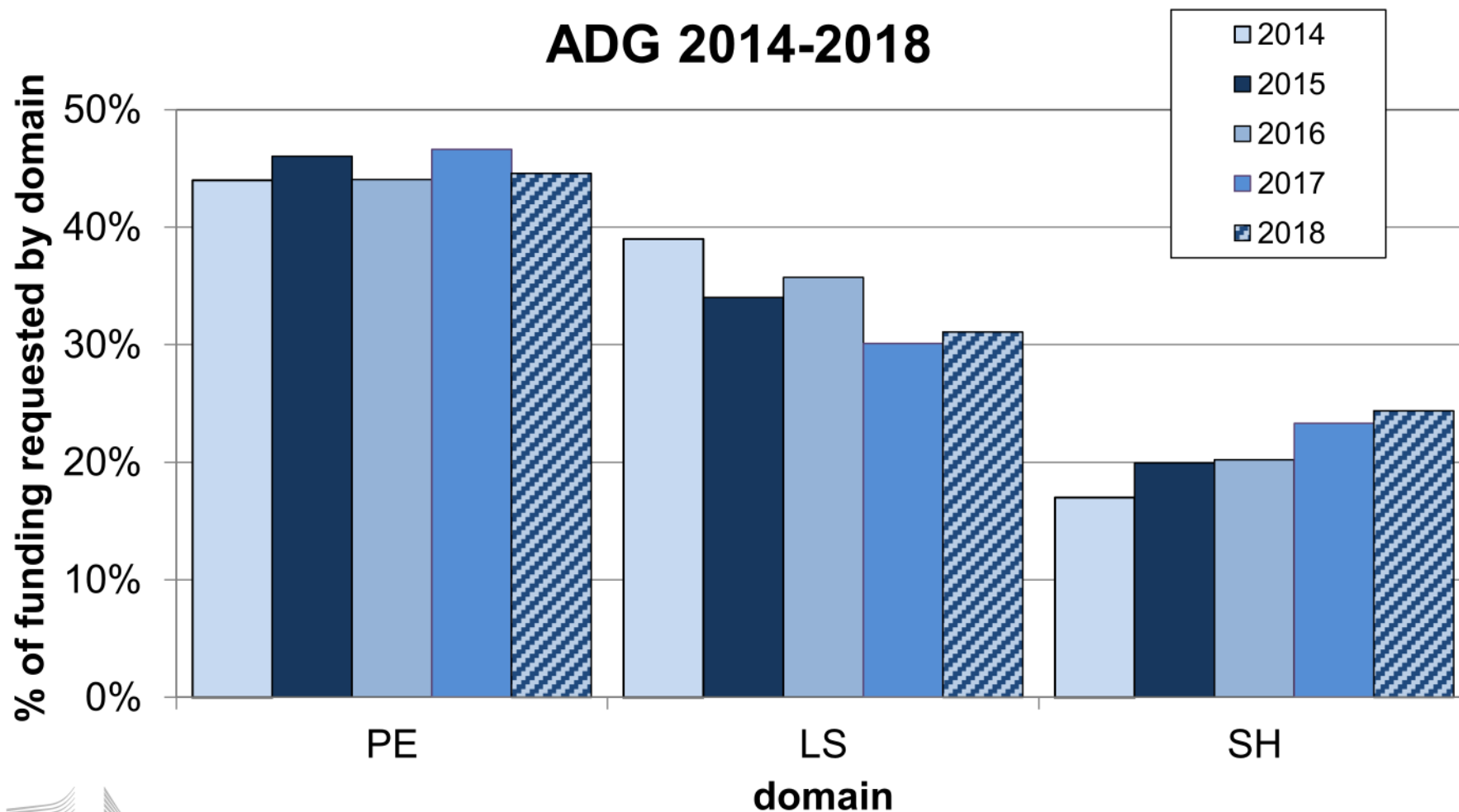
Examples of Success Rates for HIs in LS Domain



European Research Council
Established by the European Commission

2007 – 2017	Success rate	No. of grants
HI at application	%	
Weitzmann Institute	37.9	79
European Molecular Biology Laboratory (EMBL)	35.3	29
Swiss Federal Institute of Technology Lausanne (EPFL)	35.6	35
Pasteur Institute	33.3	41
Max Planck Society	27.4	113
University College London	18.3	62
CEA	18.0	10
University of Munich	16.8	35
INSERM	15.3	97
National Institute for Scientific Research (CNRS)	15.3	127
University of Bristol	10.1	13

Distribution of applications by domain



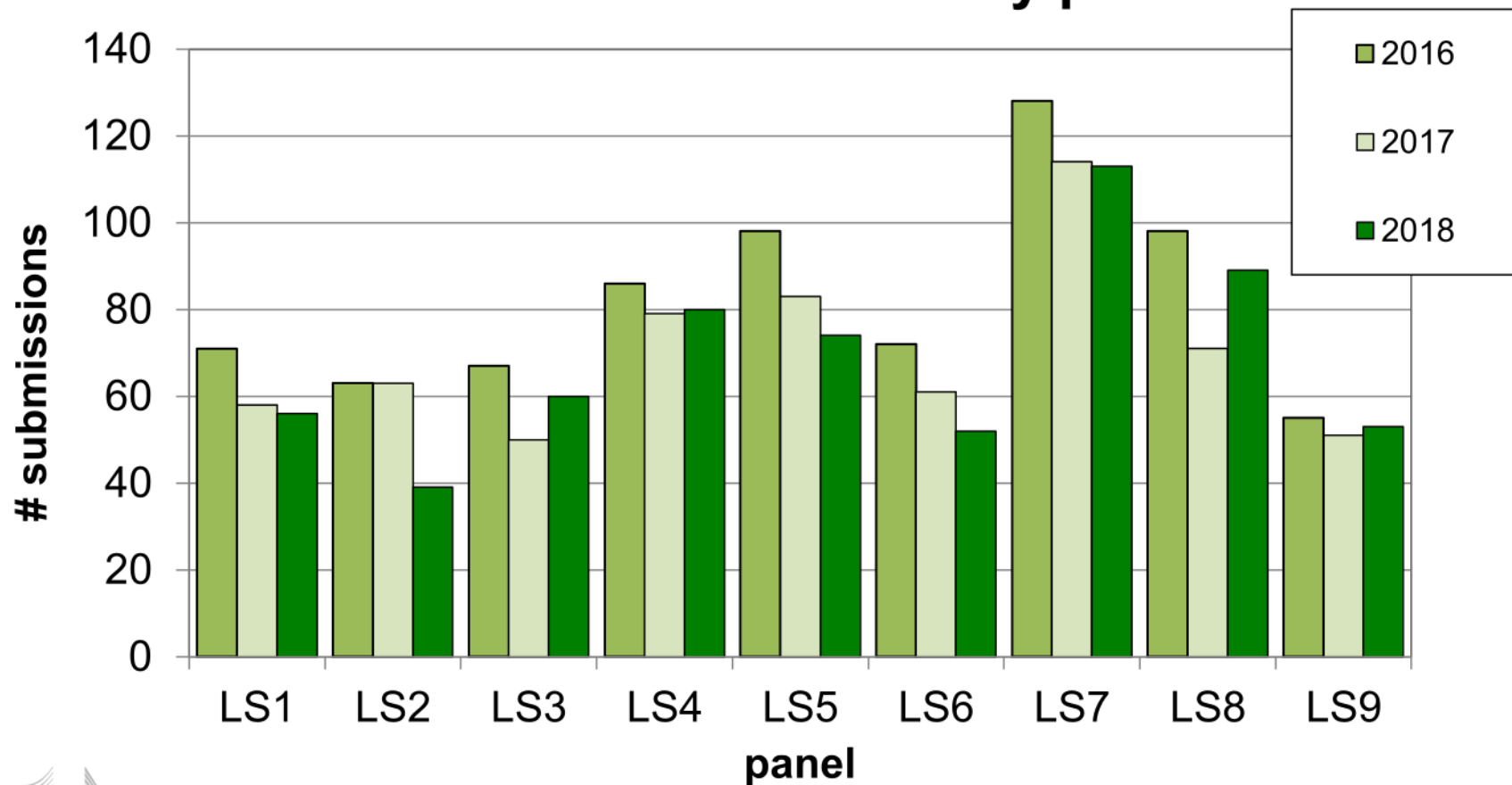
Overview of AdG 2018 data

Submissions to LS domain



European Research Council
Established by the European Commission

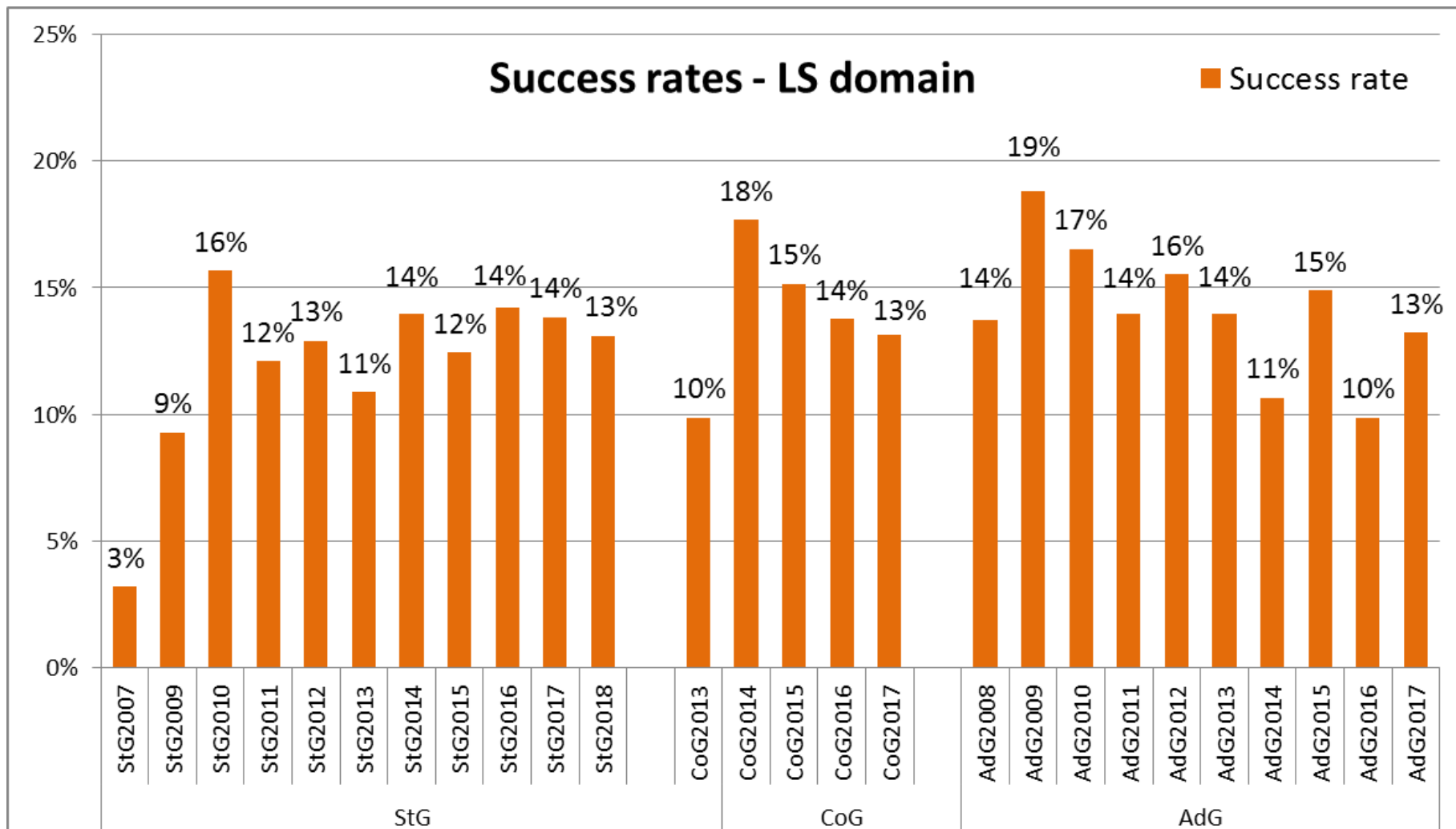
ADG 2016-2018 submissions by panel



LS Domain: Success Rates by Call



European Research Council
Established by the European Commission

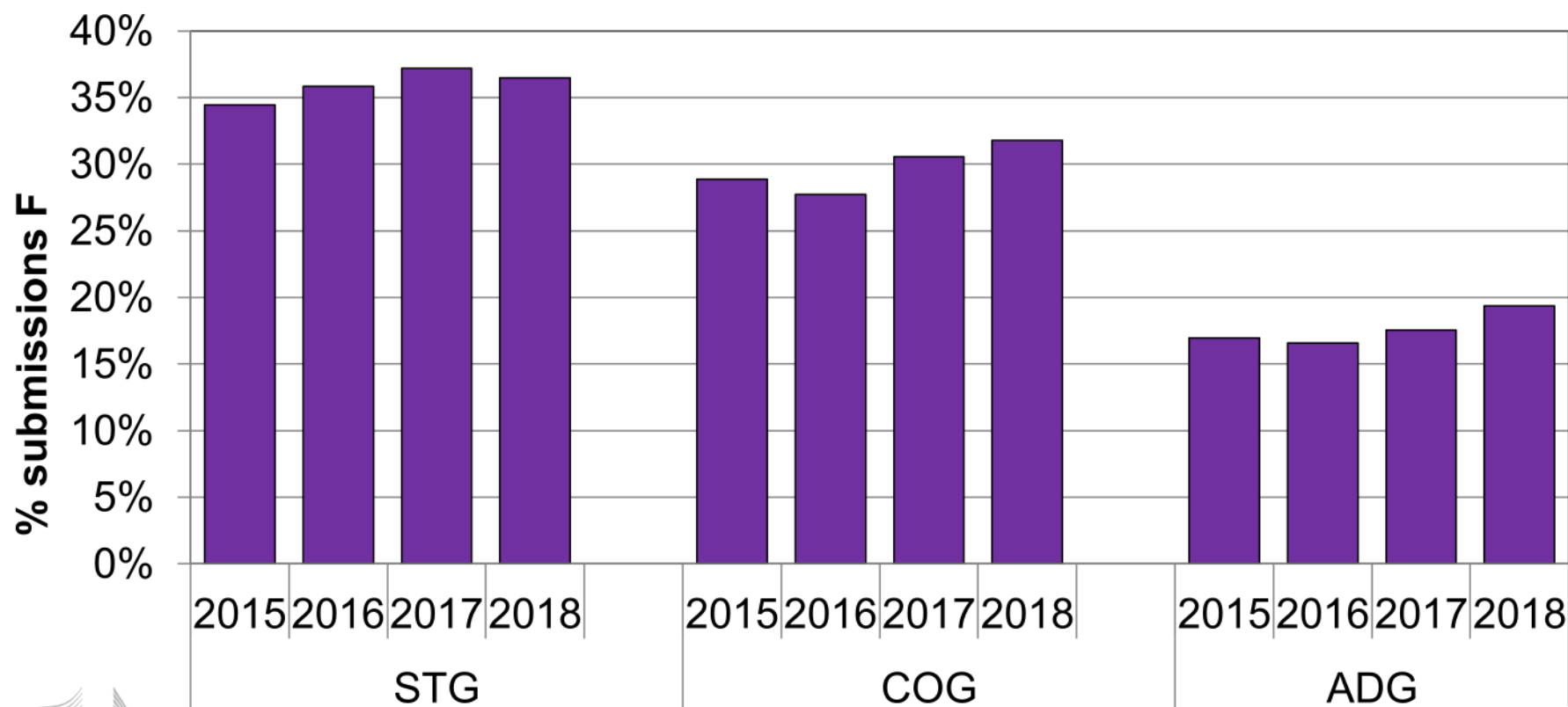


Gender Overview

% Submissions from female applicants



European Research Council
Established by the European Commission



European
Commission

Horizon 2020
European Union funding
for Research & Innovation

Proof of Concept (PoC)

Objective: Bring ERC-funded ideas to a pre-demonstration stage for:

- potential commercialisation opportunities or
- potential societal benefits

Who can apply: Holders of an ERC grant with an idea substantially drawn from an ERC-funded project

What for: Establish the innovation potential of the idea: technical validation, market research, clarifying IPR strategy, investigating business opportunities

Amount: Total budget for 2019: € 25 million
€150,000 per grant (18 months) – Lump Sum from 2019

Evaluation: Experts in technology transfer check the innovation potential and that the implementation plan is reasonable

PoC – some figures

	Budget 10 M€	Budget 10 M€	Budget 10 M€	Budget 15 M€	Budget 20 M€	Budget 20 M€	Budget 20 M€	
	2011	2012	2013	2014	2015	2016	2017	TOTAL
Proposals*	139	120	279	426	323	408	497	2 192
Funded	51	60	67	121	160	159	154	772
Success	37%	50%	24%	28%	49%	39%	31%	35%

- Success rate for LS domain – 34 %
- ≈ 10% of ERC grants generated at least one PoC project (funded)

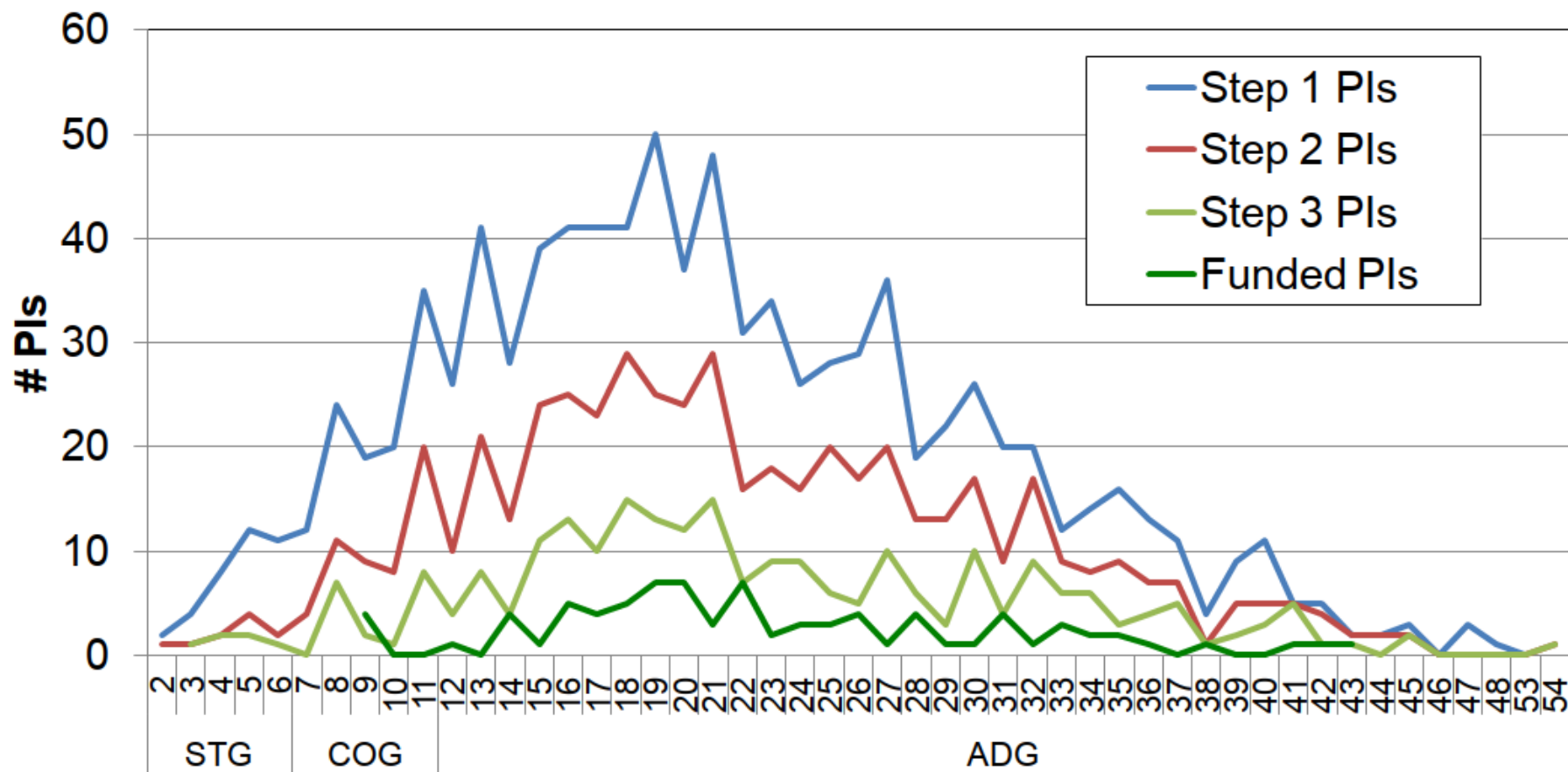
SyG 2018 Overview

	Step 1	Step 2	Step 3	Funded
Proposal evaluated	295	154	73	27
Success rate	52%	47%	36%	9.2%
Average duration (max 72 months)	69	70	70	70
Average # PIs	3.3	3.4	3.4	3.3
Average budget requested (million €)	8.4	9.3	9.5	9.6
Average # HIs	2.8	2.9	2.7	2.8

SyG 2018 Results

Applicants' ERC profiles – by career stage

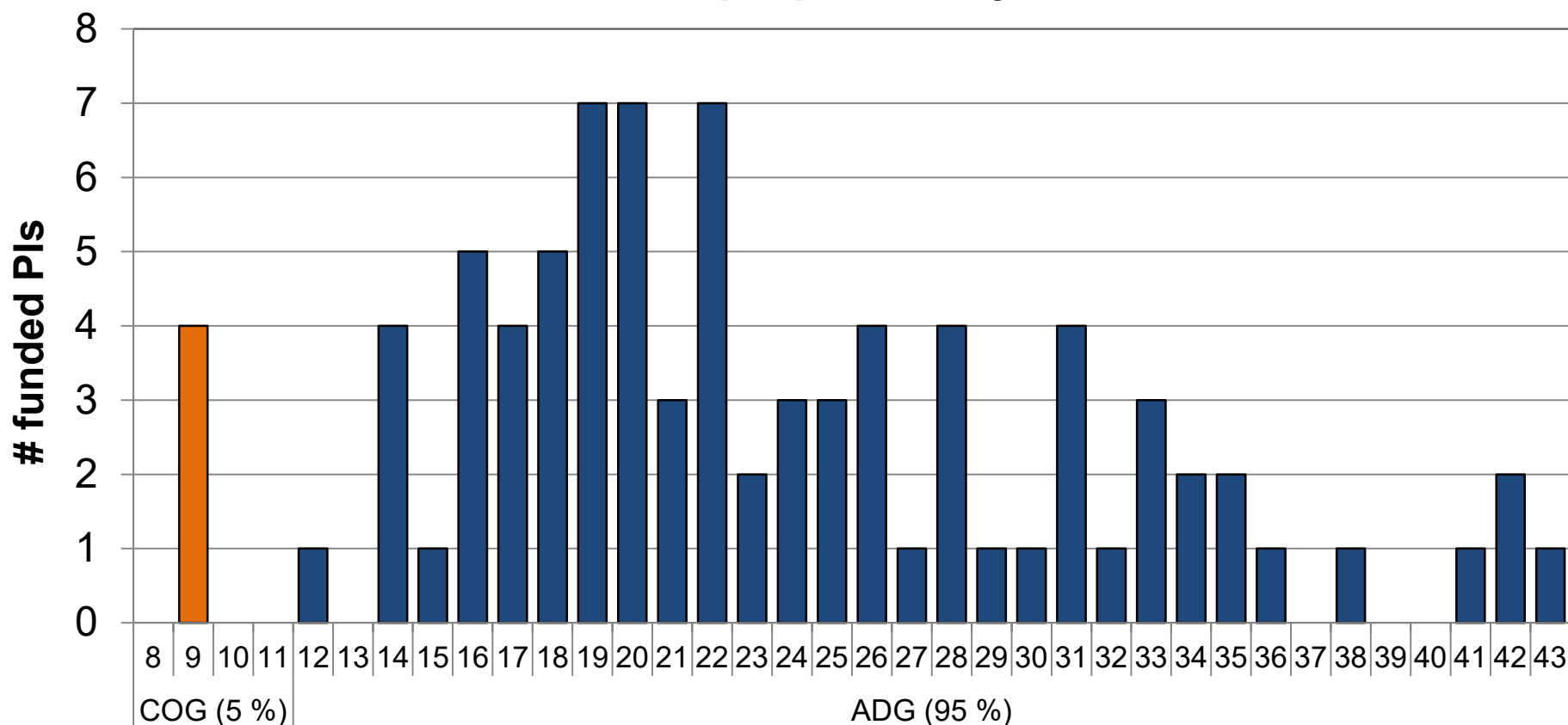
SYG 2018 PIs by years since PhD



SyG 2018 Results

Applicants' ERC profiles – by career stage

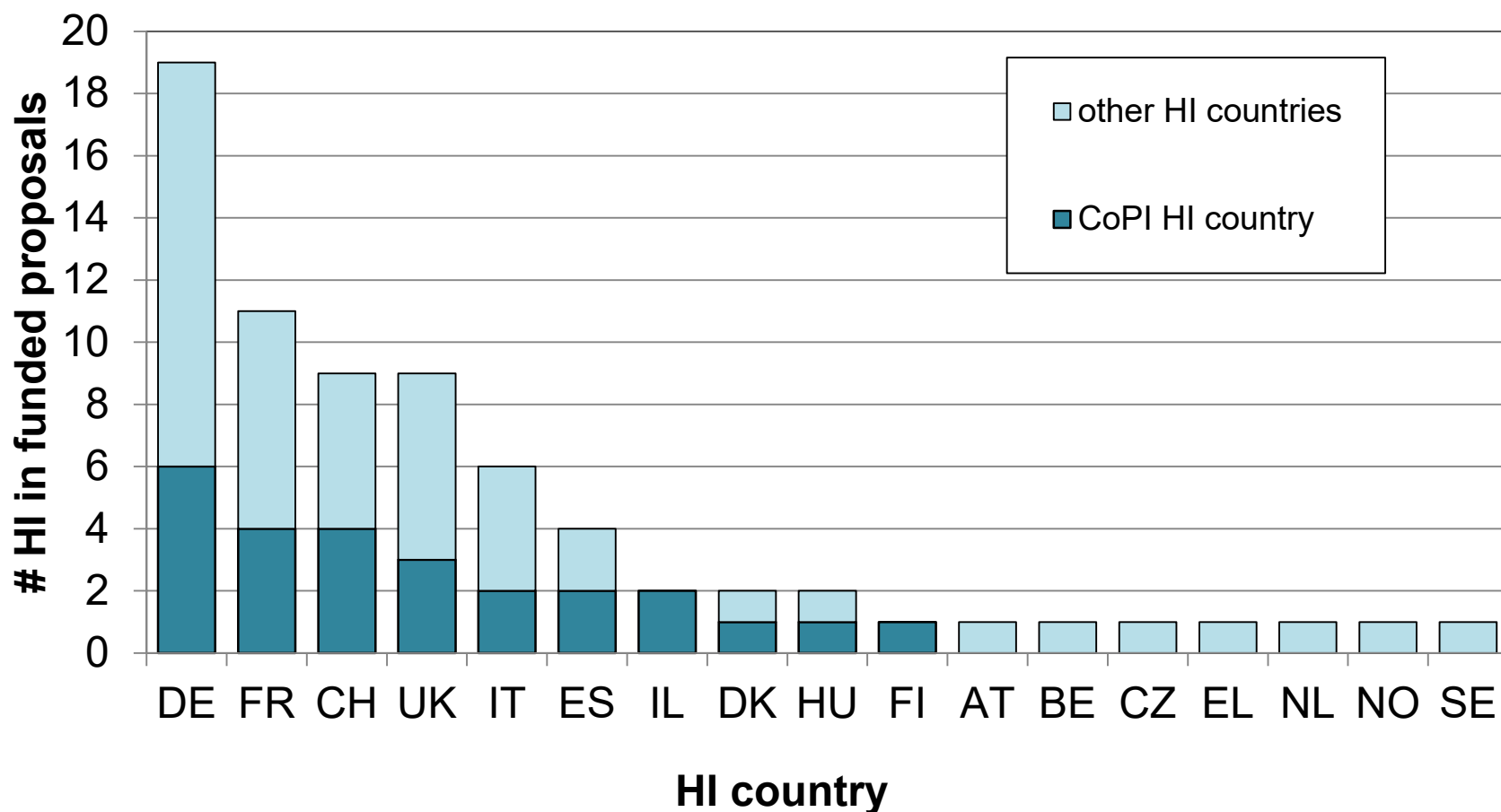
SYG 2018 PIs in funded proposals by Years since PhD



SyG 2018 Results

Corresponding HIs and other HIs by country
85 PIs in 60 HIs – 17 HI countries

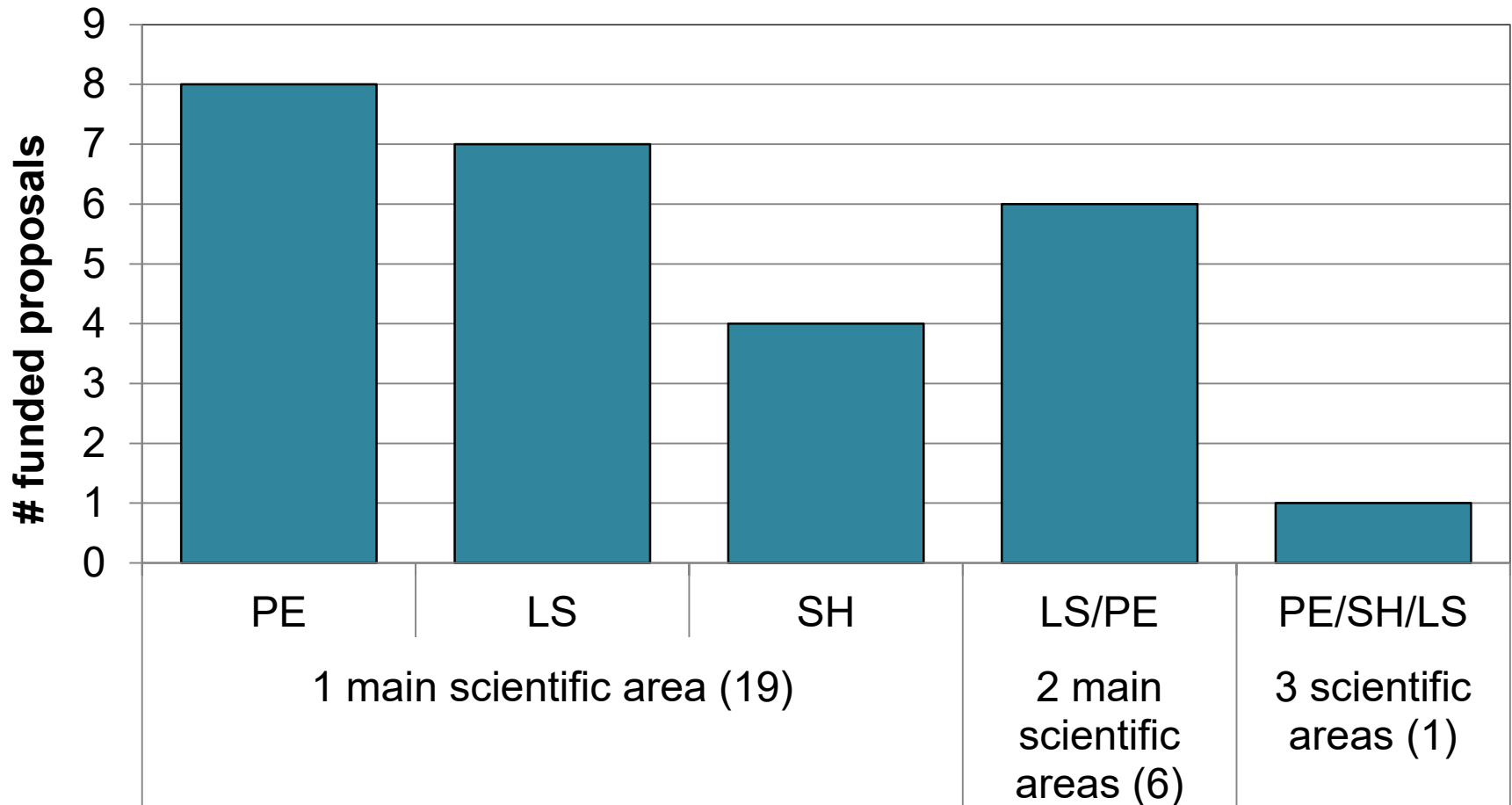
SYG 2018 Funded proposals by HI country



SyG 2018 Results

Affinity of applications to ERC scientific domains
27 % proposals are cross domain

SYG 2018 Results - scientific domain



SYG 2018 Results

Funds Awarded (per PI for 6 years= 2.92 M €)

SYG 2018 Average yearly funding of a SYG PI by domain

