

FLAG-ERA Activities

FET Flagship Board of Funders (BoF) meeting
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Outline of the presentation

- Introduction
 - What is FLAG-ERA ?
 - The FLAG-ERA consortium
 - Combining multiple sources of funding
 - Different types of association
- Outcome and statistics of the JTC 2015
 - Overview
 - For each Flagship
 - Area distribution
 - Core and new partners
 - Type of partners
 - Funding per country
- Overview of the JTC 2016
- Outline of the foreseen JTC 2017
- Perspectives

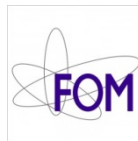
What is FLAG-ERA?

- FLAG-ERA is
 - The **network of National and Regional Funding Organisations (NRFOs)** in European member and associated states supporting the FET Flagships
 - An **ERA-NET project** supported by the European Commission (EC)
- Main goals
 - Set up, together with the two Flagship Core Projects and the EC, the **mechanisms** for using the existing national, regional and transnational calls in the framework of the Flagships
 - Launch **dedicated calls** such as the FLAG-ERA JTC 2015

<http://www.flagera.eu>

FLAG-ERA consortium

22 founding members from 17 countries



+ associated members

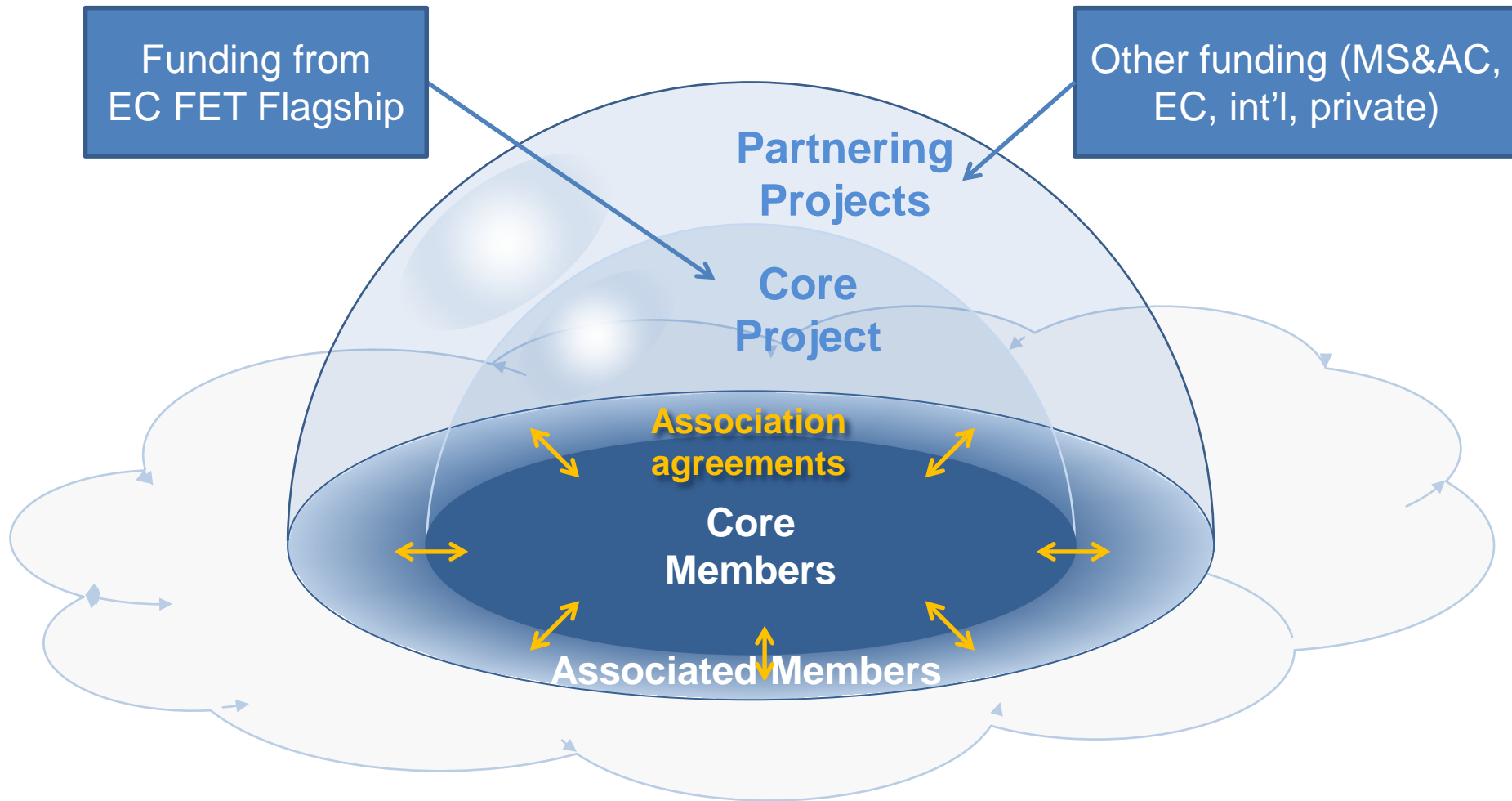


Virtually all European countries involved

Two levels:

- Strategic (ministries, national policy making)
- Operational (agencies, call implementation)

Combining multiple sources of funding



Different types of association

	Global & Generic	Local & Specific
Legally binding	<p>Generic agreement between a new member and all current members</p> <p>Useful for managing Flagship-level exchange of confidential information</p>	<p>Specific collaboration agreements between a few partners</p> <p>Useful for managing access to specific intellectual property</p>
Non legally binding	<p>Written approval from the Flagship steering body of the association of a PP and/or AM</p> <p>Useful for managing external and internal communication</p>	<p>Written collaboration plan between researchers of the Partnering and Core Projects</p> <p>Useful for managing the scientific and technical collaboration</p>

JTC 2015 overview

- **Joint call for transnational research proposals in synergy with the two FET Flagships**
 - Graphene Flagship
 - Human Brain Project
- Funding both Core Project members and new partners (expected to become Associated Members of the Flagship)
- 14 participating countries
- Indicative budget: 18.5 M€
- Submission deadline: January 27th, 2015
- Publication of results: September 24th, 2015

JTC 2015 participating countries

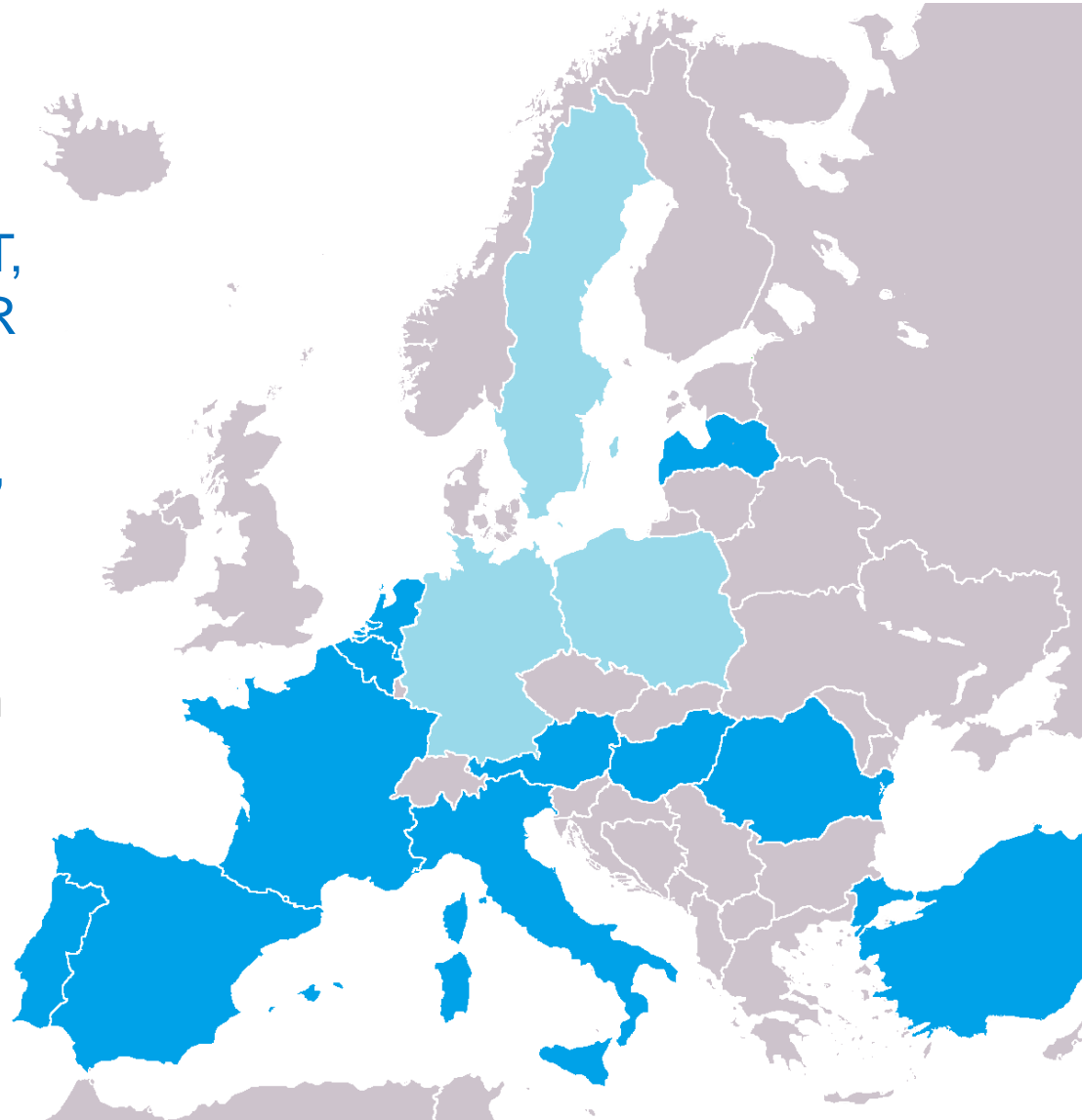
Graphene:

AT, BE, DE, ES, FR, HU, IT,
LV, NL, PL, PT, RO, SE, TR

HBP:

AT, BE, ES, FR, HU, IT, LV,
NL, PT, RO, TR

Researchers from other
countries can participate in
a project if they secure
their own funding



An ERA-NET call tuned for the Flagships

- Balance between the goal of selecting projects in synergy with the Flagships and the need for independence
 - Scientific call text based on the Flagship inputs
 - Validated by the funding organisations
 - Information about foreseen synergies embedded in the submission
 - In a dedicated section which can be sent to the Core Project
 - Scientific Evaluation Panel informed about the Flagships
 - Independent from the Core Project
 - “Level of potential synergies with the Flagship” is an evaluation criterion
 - Checked for unforeseen issues with the association by Flagship representatives before publication
 - Formal association process after publication
- A transnational collaboration context provided by the Flagship
 - 3-country rule adapted to offer the possibility to request funding in only two countries while partnering with a Flagship Core Project member from a third one

Overall participation

	Graphene			HBP			Global		
Nb of participating countries	14			11			14		
Total available budget (M€)	11.6			6.9			18.5		
	sub.	sel.	%	sub.	sel.	%	sub.	sel.	%
Nb	78	13	17%	30	6	20%	108	19	18%
of which asking funding in 2 countries	5	2		6	1		11	3	
Nb of participations	367	60	16%	114	23	20%	481	83	17%
of which from Flagship Core Project PIs	49	9		20	4		69	13	
Total funding (M€)	63.9	9.6	15%	19.9	3.6	18%	83.8	13.6	16%
Average funding (k€)	820	737		663	604		776	695	
Average effort (PM)	185	170		194	178		188	173	
Average nb of partners per project	4.7	4.6		3.8	3.8		4.5	4.4	
Average nb of countries per project	3.5	3.8		3.3	3.2		3.5	3.6	
Total nb of participating countries	14	12		10	6		14	12	
Total nb of countries	19	15		16	8		23	17	

Graphene: Area distribution

Area	Representation as main or secondary area		Representation as main area	
	in submitted proposals	in selected projects	in submitted proposals	in selected projects
1 - Computational modeling of devices and systems	16	4	5	1
2 - Advanced nanofabrication and spintronics	11	5	6	4
3 - Active THz components	14	1	8	-
4 - Multifunctional composites	20	1	4	-
5 - Functional coatings	19	2	9	1
6 - Nanofluidics applications	1	1	1	1
7 - Biological and chemical sensors	15	1	10	1
8 - Immunogenomics and proteomics	4	1	2	1
9 - New layered materials and heterostructures	34	6	12	3
10 - Energy	22	2	14	-
11 - Prototypes	23	5	7	1
Total	179	29	78	13

Graphene: Core and new members

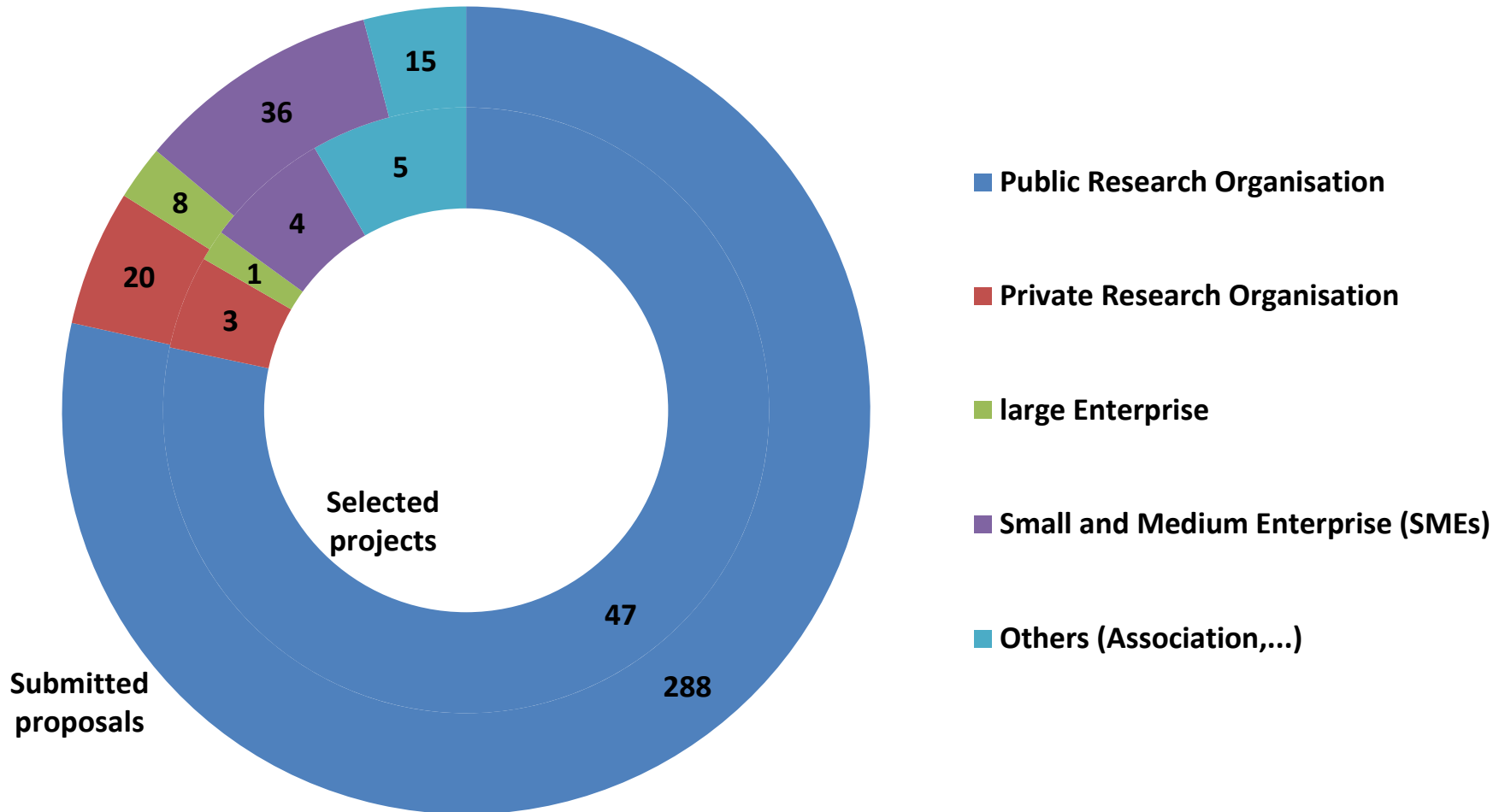
			BE	DE	ES	FR	HU	IT	NL	PL	PT	RO	SE	TR	CH	HR	UK
	32		2	10	3	3	2	2	3	1	1	1	1	2	-	1	-
		28	2	4	1	5	-	6	5	-	-	-	2	-	1	-	2
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G-IMMUNOMICS	3	3		P		P		C P						P			u
GraNitE	1	3				P		C P		P							
Graphtivity	3	4	P	C		P		P	uu			P					
GRIFONE	1	2					P	u					C				
GRMH2TANK	4	1		C PP		P					P						
HiMagGraphene	1	2		P	C	P											
iSpinText	2	3		P			C		u				P		u		
NU-TEGRAM	5	-		C P		P			P							u	
SOgraph	2	2			C	PP		P									
TAILSPIN	2	3		CP					PP				P				
Trans2DTMD	4	1	C	Pu	u				u								
TUGRACO	2	1		C	P			u									

← New members
← Core members

C	Coordinator
P	Partner
u	unfunded partner



Graphene: Type of partners



Graphene: Funding per country

Country	Funding
Belgium	846
France	1 236
Germany	3 195
Hungary	228
Italy	1 080
Netherlands	782
Poland	173
Portugal	250
Romania	199
Spain	638
Sweden	724
Turkey	289
	9 640

HBP: Area distribution

Main area	Representation as main or secondary area		Representation as main area	
	in submitted proposals	in selected projects	in submitted proposals	in selected projects
1 - Targeted Mapping of the Mouse Brain	11	3	8	3
2 - Targeted Mapping of the Human Brain	11	1	8	1
3 - Theoretical and Mathematical Foundations of Neuroscience	8	2	4	1
4 - Neuroinformatics	8	2	4	1
5 - Brain Simulation	12	1	3	-
6 - High Performance Computing	1	-	0	-
7 - Medical informatics	7	2	1	-
8 - Neuromorphic Computing	3	-	1	-
9 - Neurorobotics	3	-	0	-
10 - Ethics and Society	2	1	1	-
Total	66	12	30	6

HBP: Core and new members

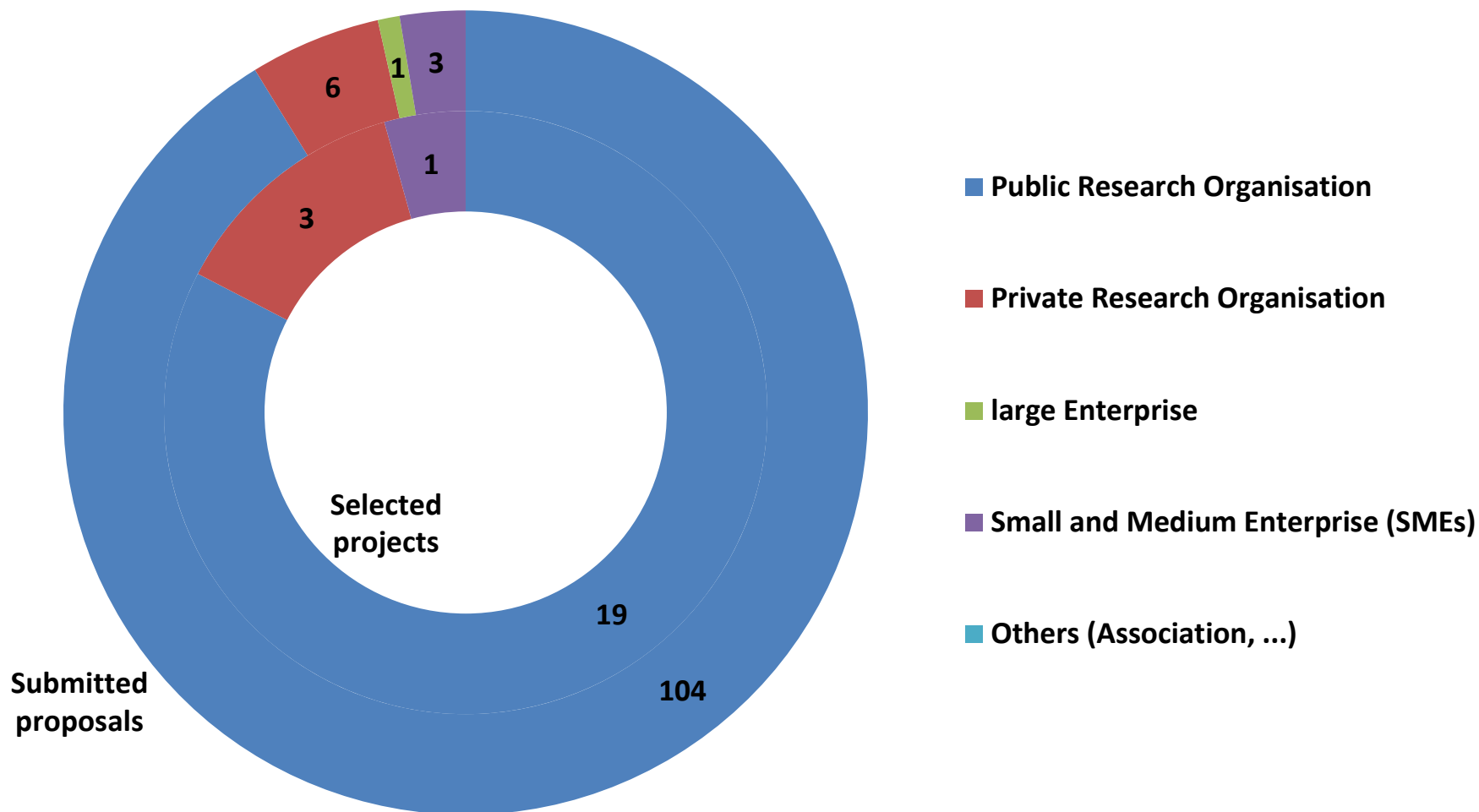
			BE	ES	FR	HU	IT	NL	CA	US
	14		2	3	3	1	1	3	-	1
		9	-	1	5	1	-	1	1	-
CANON	3	-			P	P		C		
CHAMPMouse	2	1	P	P				C		
FIIND	-	4			Cu			P	u	
FUSIMICE	2	2	P		CP	P				
MULTI-LATERAL	2	1		P	P			C		
SloW-Dyn	5	1		CP	PP		P			u

← **New members**

← **Core members**

C	Coordinator
P	Partner
u	unfunded partner

HBP: Type of partners



- Public Research Organisation
- Private Research Organisation
- large Enterprise
- Small and Medium Enterprise (SMEs)
- Others (Association, ...)

HBP: Funding per country

Country	Funding
Belgium	400
France	1 164
Hungary	258
Italy	189
Netherlands	949
Spain	666
	3 626

JTC 2016 on the topics of the 4 Pilots

- Main goal: Build on the efforts of the 4 non-selected Flagship Pilots
 - For each of the 4 topics, support one project
 - Able to federate other efforts (core project model)
 - Highly transformative in the way research in the topic is done
- Launched on January 22nd, 2016
- 9 participating countries
- Indicative budget: 14.5 M€
- Submission deadline: March 31st, 2016

Outline of the foreseen JTC 2017

- In the framework of FLAG-ERA II
 - Submitted to the EC on March 1st, 2016
 - 22 partners, 19 in call
 - Foreseen size of the call: ~15 M€
 - ERA-NET Cofund, ~6 M€ requested to the EC
- Some evolutions compared to the JTC 2015
 - Going toward innovation
 - For each Flagship, a separate sub-call for applied research and innovation projects, next to one for basic research projects
 - Only 3 main evaluation criteria (constraint from the Cofund)
 - « Synergy » criterion embedded into the main evaluation criteria
 - Association mechanisms known at call launch
 - Reuse the application documents for the proposal
 - Treat any issue about the association through classical risk management

Perspectives

- Finalise the association of the JTC 2015 projects, convene at the kick-off seminar in April
- Publish the detailed description of the association mechanisms and put them into daily practice, work with the foreseen CSA for supporting Partnering Projects
- Develop a more comprehensive and shared vision of the scientific and funding landscape
- Work further with TAIPI for impact assessment and information dissemination towards policy makers
- Prepare the transition to FLAG-ERA II and JTC 2017
- Evaluate and select proposals submitted to the JTC 2016 in the domains of the 4 Pilots



Thank you for your attention

more information on

www.flagera.eu