Joint Transnational Call (JTC) 2015

for transnational research proposals in synergy with the two FET Flagships:
Graphene Flagship
Human Brain Project

Submission statistics

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REMINDER OF CONTEXT

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FLAG-ERA 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€
- Deadline: January 27th, 2015

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A call for transnational projects…

Rationale

- FLAG-ERA is an ERA-NET. The FLAG-ERA JTC 2015 is modelled after typical ERA-NET calls
- While such calls require consortia requesting funding from at least 3 different countries, flexibility was introduced by allowing one country to be represented by a Core Project partner not requesting funding

Rules

- At least 3 partners from 3 different countries, with two options
  - at least 3 partners requesting funding from 3 different participating countries, or
  - at least 2 partners requesting funding from 2 different participating countries + 1 Core Project partner from a different country and securing its own funding
- The consortium coordinator must be funded through the call
- The consortium must be balanced
  - Requested funding in a given country should not exceed 60% of the total requested funding (75% if funding is requested in 2 countries)

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… in synergy with the Flagships…

Rationale

- FLAG-ERA aims at supporting the Flagships
- In order to evaluate the synergies and also to ensure the planning of the selection process, the information about the association is needed at submission time
  - Discussions between Flagship members and non members are encouraged for preparing proposals

Rules

- "Level of potential synergies with the Flagship" is an evaluation criterion
- The related information is requested in the electronic submission site in such a way that it can be sent to the Flagship Core Project for confirmation if the project is selected

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… expanding the Flagship consortia

Rationale

- Ensure openness to relevant partners who did not join at previous stages, while also allowing Core Project partners to get funding
  - Using a definition of Core Project partner which remains local to a research team and which can be easily checked

- Rules
  - "Complementarity to the Flagship Core Project" is an evaluation criterion
  - At most half of the partners can be Core Project partners
  - A Core Project partner is defined as a partner directed by a Principal Investigators (PI) which is also a PI for the Flagship Core Project at submission time
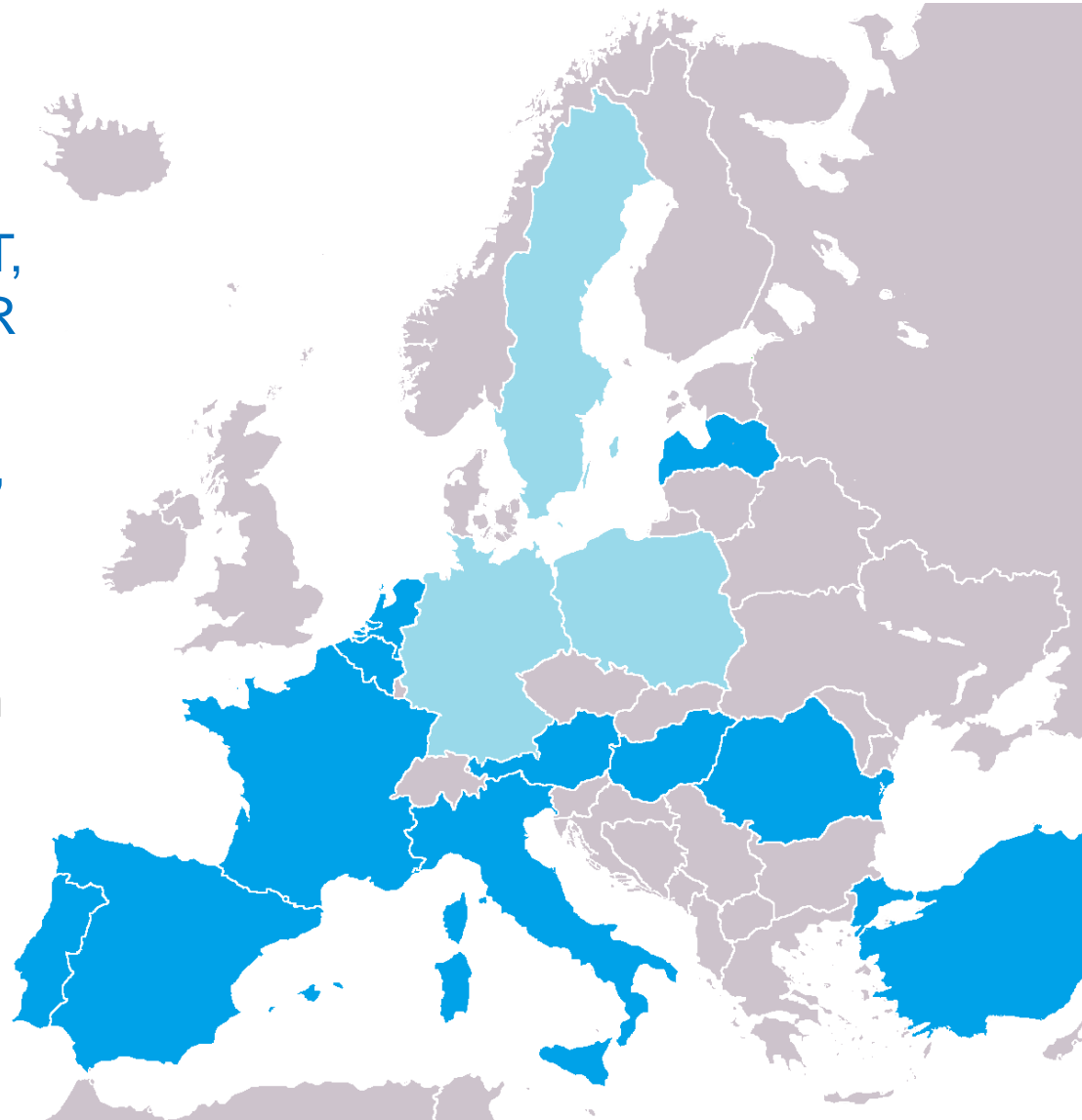
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Participating countries

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

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Indicative Budgets (k€)

Country	NRFO	Graphene Flagship	Human Brain Project	Total	anticipated nb of teams
Austria	FWF	300	300	600	3
Belgium	FNRS	200	200	400	2
Belgium	FWO	400	400	800	4
Belgium	IWT	750	750	1.500	6
France	ANR	1.000	1.000	2.000	6-10
Germany	DFG	2.400	-	2.400	12-15
Hungary	NIH	330	330	660	4-5
Italy	MIUR	1.000	1.000	2.000	n/a
Latvia	LZA	200	200	400	2
Netherlands	FOM	750	-	750	3
Netherlands	NWO	-	750	750	2-3
Poland	NCBR	500	-	500	2-3
Portugal	FCT	250	250	500	2-3
Romania	UEFISCDI	500	500	1.000	5-6
Spain	MINECO	500	500	1.000	n/a
Sweden	VR & VINNOVA	1.500	-	1.500	3-6
Turkey	TÜBITAK	1.000	750	1.750	8-9
		11.580	6.930	18.510	

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SUBMISSION STATISTICS

Overall participation

	Graphene	HBP	Global
Nb of participating countries	14	11	14
Indicative budget (M€)	11.6	6.9	18.5
Nb of submissions	78	30	108
of which asking funding in 2 countries	5	6	11
Nb of participations in submissions	367	114	481
of which from Flagship Core Project PIs	49	20	69
Total requested funding (M€)	63.9	19.9	83.8
Average requested funding (M€)	820	663	776
Average effort (PM)	185	194	188
Average nb of partners	4.7	3.8	4.45
Average nb of countries	3.5	3.3	3.46
Total nb of countries represented	19	16	23

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Main area distribution – Graphene

Main area	Nb of proposals
1 - Computational modeling of devices and systems	5
2 - Advanced nanofabrication and spintronics	6
3 - Active THz components	8
4 - Multifunctional composites	4
5 - Functional coatings	9
6 - Nanofluidics applications	1
7 - Biological and chemical sensors	10
8 - Immunogenomics and proteomics	2
9 - New layered materials and heterostructures	12
10 - Energy	14
11 - Prototypes	7
Total	**78**

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Main area distribution – HBP

Main area	Nb of proposals
1 - Targeted Mapping of the Mouse Brain	8
2 - Targeted Mapping of the Human Brain	8
3 - Theoretical and Mathematical Foundations of Neuroscience	4
4 - Neuroinformatics	4
5 - Brain Simulation	3
6 - High Performance Computing	0
7 - Medical informatics	1
8 - Neuromorphic Computing	1
9 - Neurorobotics	0
10 - Ethics and Society	1
Total	**30**

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Participation per country – Graphene

Country	Total nb of participations	Nb of proposals in which the country participate	Nb of proposals coordinated by the country
Germany	64	48	18
Spain	59	42	22
Italy	47	33	9
France	42	32	3
Poland	29	15	4
Sweden	28	23	5
Netherlands	19	17	3
Romania	15	11	3
Belgium	14	12	6
Portugal	14	8	2
Turkey	12	10	1
Austria	7	7	0
Hungary	5	5	1
United Kingdom	4	4	-
Croatia	2	2	-
Latvia	2	2	1
Lithuania	2	2	-
Greece	1	1	-
Switzerland	1	1	-
Total	**367**	**275**	**78**

➢ **19** countries represented (14 participating in the call + 5 others)

➢ **367** participations, of which **49** from Flagship Core Project Principal Investigators

Participation per country – HBP

Country	Total nb of participations	Nb of proposals in which the country participate	Nb of proposals coordinated by the country
France	28	22	6
Italy	23	18	10
Netherlands	20	18	10
Spain	15	14	3
Belgium	6	6	0
Hungary	4	4	0
United Kingdom	4	4	-
Germany	3	3	-
Austria	2	2	0
Norway	2	1	-
Romania	2	2	1
Canada	1	1	-
Israel	1	1	-
Portugal	1	1	0
Turkey	1	1	0
United States of America	1	1	-
Total	**114**	**99**	**30**

➢ **16** countries represented (10 participating in the call + 6 others)

➢ **114** participations, of which **20** from Flagship Core Project Principal Investigators

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Consortium size – Graphene

Nb of countries involved in the proposal	Nb of proposals	%
3	53	68%
4	16	21%
5	5	6%
6	2	3%
7	1	1%
8	1	1%
Total	**78**	**100%**

➢ Median: **3**
➢ Average: **3.5**

Nb of partners involved in the proposal	Nb of proposals	%
3	13	17%
4	29	37%
5	21	27%
6	7	9%
7	4	5%
8	1	1%
9	2	3%
10	0	0%
11	1	1%
Total	**78**	**100%**

➢ Median: **4**
➢ Average: **4.7**

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Consortium size – HBP

Nb of countries involved in the proposal	Nb of proposals	%
3	25	83%
4	2	7%
5	2	7%
6	1	3%
Total	**30**	**100%**

➢ Median: **3**
➢ Average: **3.3**

Nb of partners involved in the proposal	Nb of proposals	%
3	17	57%
4	7	23%
5	3	10%
6	2	7%
7	0	0%
8	1	3%
Total	**30**	**100%**

➢ Median: **3**
➢ Average: **3.8**

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Type of partners – Graphene

Public Research Organisation	Private Research Organisation	large Enterprise	Small and Medium Enterprise (SMEs)	Others (Association, …)	Total
288	20	8	36	15	**367**
78.5%	5.5%	2%	10%	4%	**100%**

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Type of partners – HBP

Public Research Organisation	Private Research Organisation	large Enterprise	Small and Medium Enterprise (SMEs)	Others (Association, …)	Total
104	6	1	3	0	**114**
91%	5%	1%	3%	0%	**100%**

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REMINDER OF NEXT STEPS

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Main steps after submission

- Proposals are assessed by an independent international Scientific Evaluation Panel (SEP)
- On the basis of this assessment and of the available funding, a list of projects recommended for funding is established
- It is expected that all partners in these projects who are not already Flagship Core Project members join the Flagships as associated members
- Timeline
  - Sept 2015: Publication of results
  - Oct 2015 – Jan 2016: Project start
  - 2016-2018: Yearly project follow-up seminars

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