

FLAG-ERA II

Deliverable D5.3

Communication toolkit for the JTC 2017 launch

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Publishable abstract	In order to promote the Joint Transnational Call (JTC) 2017, a communication toolkit was prepared. It includes the call web pages, a call flyer, a call presentation and a news release.		
Keywords	Joint Transnational Call, communication toolkit		

Introduction

In order to promote the Joint Transnational Call (JTC) 2017, a communication toolkit was prepared. It includes the call web pages, a call flyer, a call presentation and two news releases. A dissemination plan was also prepared (cf. D5.4).

The call web pages are available at the following URLs:

- <https://www.flagera.eu/flag-era-calls/jtc-2017/pre-announcement/>
- <https://www.flagera.eu/flag-era-calls/jtc-2017/call-announcement/>

The call flyer and the call presentation are available from the call announcement web page:

- https://www.flagera.eu/wp-content/uploads/2017/03/20170217_Leaflet-for-web-small.pdf
- https://www.flagera.eu/wp-content/uploads/2016/02/FLAG-ERA_JTC2017_long.pptx

They are also included on the following pages.

The news releases are available at the following URLs:

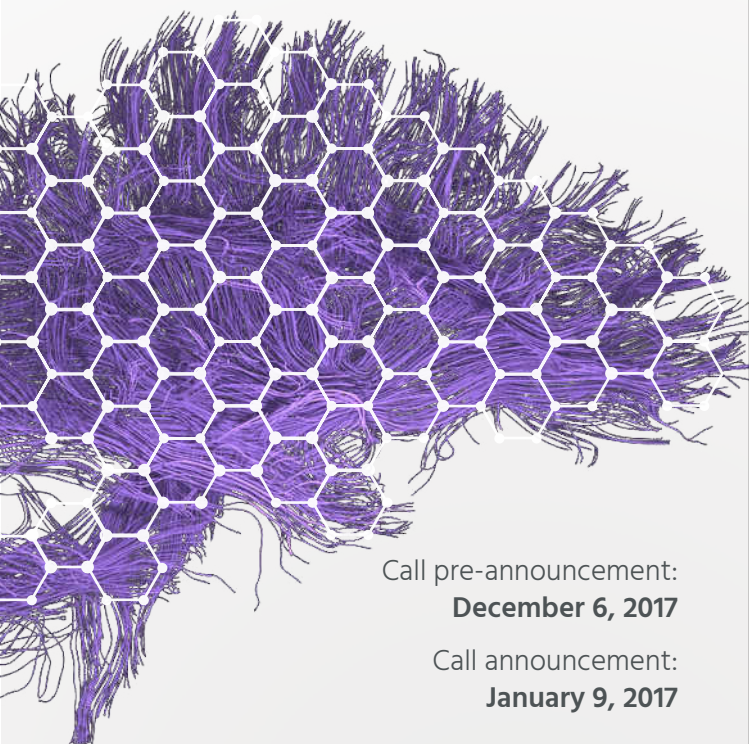
- <https://www.flagera.eu/flag-era-announces-its-second-call-for-transnational-projects-in-synergy-with-the-graphene-flagship-and-human-brain-project/>
- <https://www.flagera.eu/flag-era-launches-its-second-call-for-transnational-projects-in-synergy-with-the-graphene-flagship-and-human-brain-project-2/>

JOINT TRANSNATIONAL CALL (JTC) 2017

Supporting transnational research projects in synergy
with the two FET Flagships:

<https://www.flagera.eu/flag-era-calls/jtc-2017/>

GRAPHENE FLAGSHIP HUMAN BRAIN PROJECT



Call pre-announcement:
December 6, 2017

Call announcement:
January 9, 2017

Submission deadline:
March 14, 2017, 17:00 CET



FLAG-ERA is supported by the European Commission under the
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FLAG-ERA

FLAG-ERA (the Flagship ERA-NET) gathers National and Regional Funding Organisations (NRFOs) in Europe and beyond with the goal of supporting, together with the European Commission, the FET Flagship initiatives, i.e., the Graphene Flagship and the Human Brain Project (HBP).

TOPICS OF JTC 2017

GRAPHENE (Basic research)

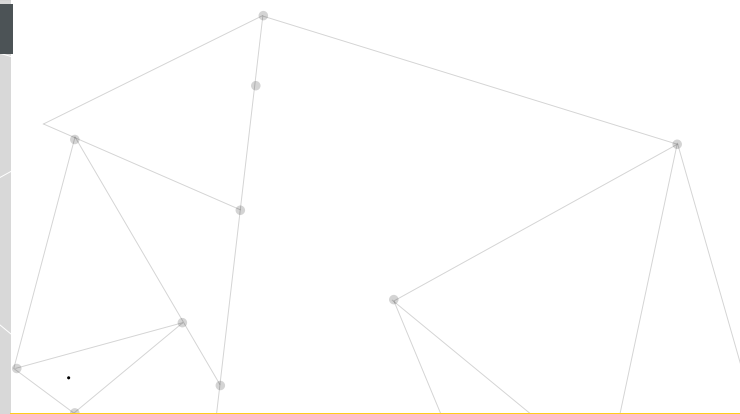
1. Synthesis and characterization of Layered Materials (LMs) beyond graphen
2. Large scale production of heterostructures based on LMs
3. Vertical and lateral epitaxy of Graphene and Related Materials (GRMs) for optoelectronics
4. Functional ceramics incorporating GRMslinks for printing stable, GRM-based, semiconducting thin films
5. Modelling charge and heat transport in GRM-based composites
6. Ecotoxicology of GRMs
7. Nanofluidics using GRMs
8. Novel device concepts based on GRMs for quantum communication
9. Beyond CMOS switches and new computing paradigms based on GRMs

GRAPHENE (Applied Research and Innovation)

1. In-situ and ex-situ quality control of GRMs
2. Controlling doping in high quality large-area graphene
3. GRMs for smart textiles
4. Functional coatings using GRMs
5. GRMs for corrosion prevention and as lubricants
6. GRMs for thermal management and thermoelectrics
7. Biorecognition of specific disease markers using GRMs
8. Highly selective gas sensors based on GRMs
9. GRM-based bioelectronic technologies

HBP (Basic and Applied Research)

1. Human brain intracranial data and their relationship to other aspects of brain organisation
2. Comparing morphology and physiology of cortical cell types in human and non-human primates
3. Comparative aspects of brain function and connectivity
4. Cross-species multi-scale data constraints for visuo-motor integration
5. The neural bases of spatial navigation and episodic memory
6. Models of auditory processing
7. Dynamics and representation in multi-level systems of human cognitive functions
8. Modelling dendrites within active networks
9. Testing predictive coding and attractor network models
10. Biological deep learning
11. Disease modelling and simulation
12. Innovative modelling for allosteric drug discovery
13. Integration of simulation tools, neuromorphic computing and robotics with brain and behavioural studies for developing next-generation brain-computer interfaces
14. Text mining of cellular, synaptic, connectomic or functional properties of the brain



Projects may be funded for up to 36 months.

ELIGIBILITY OF APPLICANTS AND CONSORTIA

While applications shall be submitted jointly by groups from several countries, each team will be funded by its respective NRFO. The applications are therefore subjected to eligibility criteria of individual funding organisations (please refer to the Call Announcement on:

<http://www.flagera.eu/flag-era-calls-jtc-2017>

Each consortium submitting a proposal must involve at least 3 partners from 3 different countries and fulfil at least one of the following two options:

- At least 3 partners requesting funding from 3 different countries participating in the JTC. or
- At least 2 partners requesting funding from 2 different countries participating in the JTC plus a Flagship Core Project partner from a different country, not requesting funding in the framework of the JTC and securing its own funding.

EVALUATION AND SELECTION

JTC 2017 follows a 2-stage evaluation and selection process. Projects are evaluated by an independent international Scientific Evaluation Panel at both stages. Selection of funded projects is based on the ranking and the available funding.

ASSOCIATION TO THE FLAGSHIPS

Submissions must include information on the foreseen Flagship partnership. Projects recommended for funding are invited to proceed with the formal association to the Flagship, using the Flagship standard association procedure. Any issue at this stage is treated through classical project risk management.



CONTACT POINTS FOR THE NRFOS PARTICIPATING IN THE JTC

COUNTRY	NRFO	NAME	EMAIL	PHONE	GRAPHENE Basic Applied	HBP
Belgium	FRS-FNRS	Florence Quist	florence.quist@frs-fnrs.be	+32 2 504 93 51	×	×
		Joël Groeneveld	joel.groeneveld@frs-fnrs.be	+32 2 504 92 70		
	FWO	Alain Deleener	alain.deleener@fwo.be	+32 2 550 15 95	×	×
Bulgaria	BNSF	Toon Monbaliu	eranet@fwo.be	+32 2 550 15 70		
		Violeta Milkova	v.milkova@mon.bg	+359 24 44 49 62	×	×
Germany	DFG	Michael Mößle	michael.moessle@dfg.de	+49 228 885 2351	×	
		Martin Winger	martin.winger@dfg.de	+49 228 885 2039		
Spain	MINECO	Watse Castelein	era-lct@mineco.es	+34 91 603 7959	×	×
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France	ANR	Fabien Guillot	fabien.guillot@anr.fr	+33 1 73 54 81 97	×	×
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Greece	GSRT	Konstantina Kotsari	k.kotsari@gstrt.gr	+30 210 745 8100	×	×
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Latvia	VIAA	Maija Bundule	maija.bundule@viaa.gov.lv	+371 6722 7790	×	×
Netherlands	FOM	Marcel Hoek	marcel.hoek@fom.nl	+31 30 600 12 26	×	
Poland	NCBR	Katarzyna Samsel	katarzyna.samsel@ncbr.gov.pl	+48 22 39 07 156	×	×
Romania	UEFISCDI	Domnica Cotet	domnica.cotet@uefiscdi.ro	+40 2 1302 3880	×	×
Sweden	VR	Tomas Anderson	tomas.andersson@vr.se	+46 8 546 441 73		
		Camilla Grundiz	camilla.grundiz@vr.se	+46 8 546 441 55	×	×
	VINNOVA	Johan Lindberg	johan.lindberg@vinnova.se	+46 8 454 64 53		
Slovenia	MIZS	Andrej Ograjšek	andrej.ograjsek@gov.si	+386 1 478 46 34	×	×
Slovakia	SAS	Ján Barančík	barancik@up.upsav.sk	+421 2 57 51 01 37	×	×
		Zuzana Panisova	panisova@up.upsav.sk	+421 2 57 51 02 45		
Turkey	TUBITAK	Ezgi Bener	ezgi.bener@tubitak.gov.tr ncpict@tubitak.gov.tr	+90 312 298 9411	×	×



FLAG-ERA JTC 2017 CALL
PARTNERS





Joint Transnational Call (JTC) 2017

for transnational research proposals in
synergy with the two FET Flagships:

Graphene Flagship
Human Brain Project



What is FLAG-ERA?

- FLAG-ERA is the FET Flagship supporting ERA-NET
 - A **network** of National and Regional Funding Organisations (NRFOS) in Europe and beyond
 - A **coordination and support action** 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 2017**

FLAG-ERA JTC 2017 overview

- Joint call for transnational research proposals in synergy with the two FET Flagships
 - Graphene Flagship
 - Human Brain Project
- Indicative budget: 16 M€
- **Deadline: March 14th, 2017**
- Participating countries
 - Graphene Flagship:
 - Human Brain Project:



BE	BG	DE	ES	FR	GR	HU	IT	LT	LV	NL	PL	RO	SE	SI	SK	TR
BE	BG		ES	FR		HU	IT	LT	LV			RO	SE	SI	SK	TR

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
 - Information about foreseen synergies embedded in the submission
 - Independent Scientific Evaluation Panel, informed about the Flagships
 - Formal association process after publication of results
- 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

Expected type of proposals

- **Transational**
 - 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
- **With clear synergy with the Flagship**
 - Submission must include a description of the foreseen Flagship partnership (using the Flagship partnership proposal form)
 - “Level of potential synergies with the Flagship” is an evaluation criterion

Other eligibility constraints

- 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)
- Project duration up to 3 years

Research Areas - Graphene

Basic Research

1. Synthesis and characterization of Layered Materials (LMs) beyond graphene
2. Large scale production of heterostructures based on LMs
3. Vertical and lateral epitaxy of Graphene and Related Materials (GRMs) for optoelectronics
4. Functional ceramics incorporating GRMs
5. Inks for printing stable, GRM-based, semiconducting thin films
6. Modelling charge and heat transport in GRM-based composites
7. Ecotoxicology of GRMs
8. Nanofluidics using GRMs
9. Novel device concepts based on GRMs for quantum communication
10. Beyond CMOS switches and new computing paradigms based on GRMs

Applied Research and Innovation

1. In-situ and ex-situ quality control of GRMs
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Research Areas – HBP

Basic and Applied Research

1. Human brain intracranial data and their relationship to other aspects of brain organisation
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9. Testing predictive coding and attractor network models
10. Biological deep learning
11. Disease modelling and simulation
12. Innovative modelling for allosteric drug discovery
13. Integration of simulation tools, neuromorphic computing and robotics with brain and behavioural studies for developing next-generation brain-computer interfaces
14. Text mining of cellular, synaptic, connectomic or functional properties of the brain

Indicative Budgets (k€)

			Graphene		HBP	Anticipated nb of fundable research groups
Country		Funding organisation	Basic research	Applied research and innovation	Basic and applied research	
BE	Belgium	FNRS	200	-	200	2
		FWO	500		500	2-4
BG	Bulgaria	BNSF	175	-	175	2-3
DE	Germany	DFG	2000	-	-	10-12
ES	Spain	MINECO	560		560	6-9
FR	France	ANR	1250		1250	8-10
GR	Greece	GSRT	500	200	-	7
HU	Hungary	NKFIH	250		250	4
IT	Italy	MIUR	-	100	100	2
LT	Lithuania	LMT	100		100	2
LV	Latvia	VIAA	200		200	2-3
NL	Netherlands	FOM	1000	-	-	3-4
PL	Poland	NCBR	-	500	-	2-3
RO	Romania	UEFISCDI	250		250	6-8
SE	Sweden	VR & VINNOVA	500	500	500	4-8
SI	Slovenia	MIZS	210		420	3
SK	Slovakia	SAS	240		240	4-5
TR	Turkey	TUBITAK	1000		1000	5-6
		Total	10235		5745	

Main steps after submission

- Pre-proposals are assessed by a independent international Scientific Evaluation Panel (SEP). Top ranked proposals are selected for full proposal submission (cumulated amount of requested funding is max 3 times available budget).
- Full proposals are evaluated by the SEP with the help of external reviewers. A ranking list of projects recommended for funding is established on the basis of this second assessment and of the available funding.
- All partners in these projects who are not already Flagship Core Project members are expected to join the Flagships as associated members
- Timeline
 - End May 2017: Notification of accepted short proposals
 - July 2017: Full proposal submission deadline
 - October 2017: Notification of accepted full proposals
 - December 2017 – March 2018: Project start (up to 3 years)
 - 2018-2020: Yearly project follow-up seminars

Comparison with national calls

JTC 2017	National and regional calls
Topic definition is based on Flagship inputs	Topics are defined independently of the Flagships
Strong synergy with the Flagship is favoured (synergy is an evaluation criterion)	Synergy with the Flagship can be a plus for the evaluation
Funding requested in 2+ countries	Funding requested in 1 country
Only some countries participate	All countries have calls
Smaller budgets	Larger budgets overall
Compete only with proposals fitting the JTC constraints	Compete with all proposals in the domain

Further information

Call Announcement, submission form, electronic submission site:

<http://www.flagera.eu>

National and regional contact points:

Call Announcement (Annex II)

Joint Call Secretariat:

fabien.guillot@agencerecherche.fr

Graphene Flagship

Point of Contact:

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Human Brain Project

Point of Contact:

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