

FLAG-ERA III

Deliverable D5.1

Communication toolkit for the JTC 2019 launch

Work package		5		
Task		5.1		
Date of delivery	Contractual	28/02/2019 (M3)		
	Actual	19/11/2019 (M12)		
Code name		D5.3	Version 1.0	Draft <input type="checkbox"/> Final <input checked="" type="checkbox"/>
Type of deliverable		Website page and flyer		
Dissemination level		PU = Public		
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Description of content		Communication toolkit for the JTC 2019 launch		
Publishable abstract		In order to promote the Joint Transnational Call (JTC) 2019, 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) 2019, 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. D5.2).

The call web pages are available at the following URLs:

- <https://www.flagera.eu/flag-era-calls/jtc-2019/pre-announcement/>
- <https://www.flagera.eu/flag-era-calls/jtc-2019/call-announcement/>

The call flyer (web and print versions) and the call presentation (focused and extended versions) are available from the call announcement web page:

- https://www.flagera.eu/wp-content/uploads/2018/11/FLAG-ERA-JTC2019-Information-flyer_web.pdf
- <https://www.flagera.eu/wp-content/uploads/2018/11/FLAG-ERA-JTC2019-Information-flyer-print-NO-BLEED.pdf>
- https://www.flagera.eu/wp-content/uploads/2018/11/FLAG-ERA_JTC2019_presentation.pdf
- https://www.flagera.eu/wp-content/uploads/2019/01/FLAG-ERA_JTC2019_presentation_extended.pdf

The news releases are available at the following URLs:

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

The information webinar organized on January 10th, 2019 is available at the following URLs:

- <https://www.flagera.eu/flag-era-jtc2019-webinar-january-10th-at-2-pm/>
- <https://www.youtube.com/watch?v=qYWjzu-hPZo>



JOINT TRANSNATIONAL CALL (JTC) 2019

www.flagera.eu/flag-era-calls/jtc-2019

**SUPPORTING
TRANSNATIONAL
RESEARCH PROJECTS
IN SYNERGY WITH THE
TWO FET FLAGSHIPS**

**GRAPHENE FLAGSHIP
HUMAN BRAIN PROJECT**

Call pre-announcement:
November 7, 2018

Call announcement:
November 10, 2018

Submission deadline:
February 19, 2019, 17:00 CET



FLAG-ERA is supported by the European
Commission under the ERA-NET scheme
of the Horizon 2020 programme

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 2019

GRAPHENE

1. Synthesis and characterization of layered materials beyond graphene
2. Graphene and related materials (GRMs) for Quantum Technologies
3. Optimized GRM-based tunnel barriers for efficient spin injection and detection into graphene under operational conditions
4. Spin torque and layered-materials-based memory building block
5. Synthesis of monolayers of non-layered compounds
6. Bacterial degradation of GRMs
7. Osteoinductivity and immunisation capacity of GRMs
8. Soft graphene-based materials for tissue engineering
9. GRM-based large-area light emitters and arrays
10. Low temperature growth of layered semiconductors for flexible applications
11. Nanofluidics based on GRMs
12. CVD growth of graphene on insulators
13. Sensors from GRMs and their heterostructures
14. Passive components for radio frequency electronics based on GRMs
15. Infrared photodetectors based on GRMs and their heterostructures
16. LIDAR based on GRMs for autonomous vehicles
17. Moore's law continued through GRMs
18. GRM-based tandem solar modules
19. Graphene-based cathode materials for Li-ion batteries
20. Re-usable templates for graphene production

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

The FLAG-ERA JTC 2019 comprises two topics, one for each Flagship. The Graphene part of the call is sub-divided into two sub-calls, one for basic research and one for applied research and innovation. All Graphene topic areas are open to both sub-call, and it is up to the applicants to decide under which sub-call they apply, taking into account the lists of participating countries and the weights on the evaluation criteria.

Projects may be funded for up to 36 months

ELIGIBILITY OF APPLICANTS AND CONSORTIA

While applications will be submitted jointly by groups from several countries, each group will be funded by its respective national or regional funding organisation. The applications are therefore subject to eligibility criteria of individual funding organisations. Please refer to the call announcement on:

<https://www.flagera.eu/flag-era-calls/jtc-2019>

Consortia must be international. They must involve at least

- 3 partners requesting funding from 3 participating countries

or

- 2 partners requesting funding from 2 participating countries and a partner from another country securing its own funding as a Flagship Core Project partner.

In both cases, partners requesting funding may be Flagship Core Project members. In any case, the consortium coordinator must be a partner requesting funding (and be eligible for funding) from an organisation participating in the call.

EVALUATION AND SELECTION OF PROPOSALS

JTC2019 follows a 2-stage evaluation and selection process. Proposals are assessed by an independent international Scientific Evaluation Panel with the help of external reviewers. They are evaluated and ranked according to the following criteria:

1. Excellence (Scientific and/or technological quality);
2. Implementation;
3. Impact.

These criteria are weighed differently depending on the sub-call

ASSOCIATION TO THE FLAGSHIP

Projects recommended for funding will be invited to proceed with the formal association to the Flagship, using the Flagship standard association procedure. Any issue at this stage will be treated through classical project risk management.

CONTACT POINTS FOR THE NRFOS PARTICIPATING IN THE JTC

Country	NRFO	Name	E-mail	Phone	Graphene		HBP
					Basic	Applied	
Belgium	FNRS	Florence Quist	florence.quist@fns-frs.be	+32 2 504 93 51	X		X
		Joël Groeneveld	joel.groeneveld@fns-frs.be	+32 2 504 92 70			
Bulgaria	PWO	Toon Monballeu Alain Delsener	eranet@pwo.be	+32 2 550 15 70 +32 2 550 15 95	X	X	X
		Milena Aleksandrova	alexandrova@mon.bg	+359 894 171 363	X	X	X
Germany	DFG	Michael Mölle	michael.moelle@dfg.de	+49 228 885 2351	X		
		Martin Winger	martin.winger@dfg.de	+49 228 885 2039			
Estonia	ETAg	Aune Ignat	aune.ignat@tag.ee	+372 731 7364	X	X	X
		Walter Castleijn	era-ict@aelgo.be	+34 91 603 8576	X	X	X
Spain	AEI	Severino Fabón Morales	severino.fabon@aei.gob.es	+34 91 603 7969			
		Ana Elena Fernández	anael@da.pau.es	+34 985 98 00 20	X	X	
France	ANR	Rafael De Andrés Medina	rdandres@icil.es	+34 91 822 21 84			X
		Serguei Fedotchenko	serguei.fedotchenko@anr.fr	+33 1 73 54 80 37	X	X	X
Greece	GSRT	Maria Gkizeli	mgkizeli@gsrt.gr	+30 21 31300 119	X	X	X
		Edina Németh	edina.nemeth@ist.hu	+36 70 221 0387	X	X	X
Israel	Innovation Auth	Danny Seker	dan@israd.org.il	+972 3 511 81 21	X	X	X
		Giorgio Carpino	giorgio.carpino@miur.it	+39 06 5849 7147			
Italy	MIUR	Aldo Covello	aldo.covello@miur.it	+39 06 9772 6465	X	X	X
		Saulius Marcinionis	saulius.marcinionis@imt.it	+37 0 676 1725 6	X	X	X
Latvia	VMA	Maija Bundule	maija.bundule@vmaa.gov.lv	+371 67227790	X	X	X
		Eelco van Dongen	e.vanDongen@nwo.nl	+31 70 349 4005			X
Romania	UEFISCDI	Cristina Cotet	cristina.cotet@uefiscdi.ro	+40 21 3023884	X	X	X
		Johan Lindberg	johan.lindberg@vinnova.se	+46 8 454 64 53			
Sweden	VINNOVA	Maria Ohman	maria.ohman@vinnovase	+46 8 473 31 89	X		
		Tomas Andersson	tomas.andersson@vrc.se	+46 8 546 441 73			
Slovenia	MIZS	Camilla Grunditz	camilla.grunditz@vrc.se	+46 8 546 441 55	X		
		Andrej Ograjcaršek	andrej.ograjcarsek@gov.si	+386 1 478 46 34	X	X	X
Slovakia	SAS	Ján Barančík	baran.cik@up.uprav.sk	+421 2 57 51 01 37	X	X	X
		Zuzana Parisova	parisova@up.uprav.sk	+421 2 57 51 02 45			
Turkey	TUBITAK	Serkan Ucer	serkan.ucer@tubitak.gov.tr	+90 312 298 1787	X	X	X
			necip@tubitak.gov.tr				





Joint Transnational Call (JTC) 2019

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

Graphene Flagship
Human Brain Project



Supported by the



European
Commission

Outline

- Context
 - FET Flagships: General concept and funding model
 - FLAG-ERA: The Flagship ERA-NET
 - FLAG-ERA Joint Transnational Calls (JTC)
 - Calls for transnational projects in synergy with the Flagships
 - Overview and outcomes of the first two JTCs (2015 & 2017)
- JTC 2019
 - Overview
 - Research areas
 - Participating countries & indicative budgets
 - Evaluation criteria
 - Main steps after submission
- Important documents and further information

What is a FET Flagship?

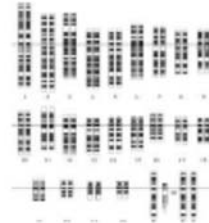
- FET Flagships are
 - Visionary, science-driven, large-scale research initiatives addressing grand scientific and technological challenges
 - A new partnering model for long-term co-operative research in the European Research Area, based on the combination of a large Core Project playing a leading role for the whole duration of the initiative and a set of Partnering Projects

<http://ec.europa.eu/digital-agenda/en/fet-flagships>

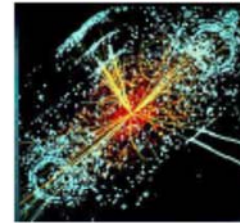
Examples of Flagship-like past initiatives



Apollo program
("Man on the Moon")



Human Genome
Project



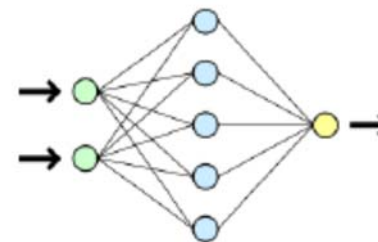
Large Hadron
Collider



DARPA Grand
Challenge



Deep
Blue



5th Generation
Computer

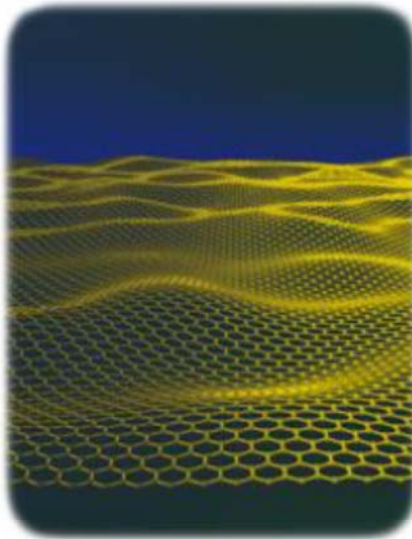


FLAG-ERA

Source: http://cordis.europa.eu/fp7/ict/programme/fet/flagship/doc/flagshipstudy_en.pdf

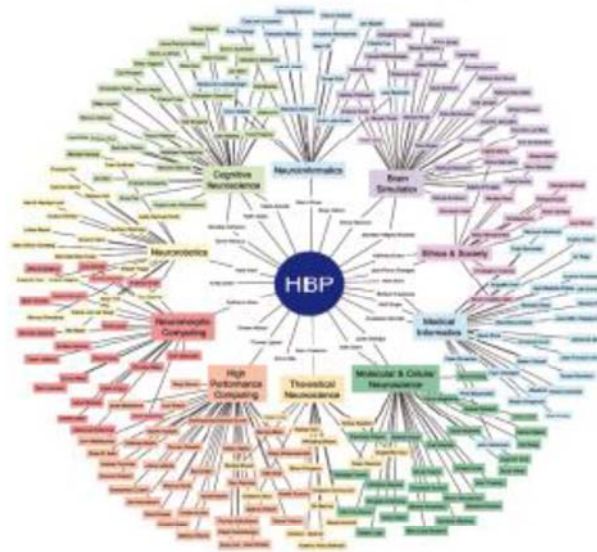
The first two FET Flagships

Graphene Flagship



www.graphene-flagship.eu

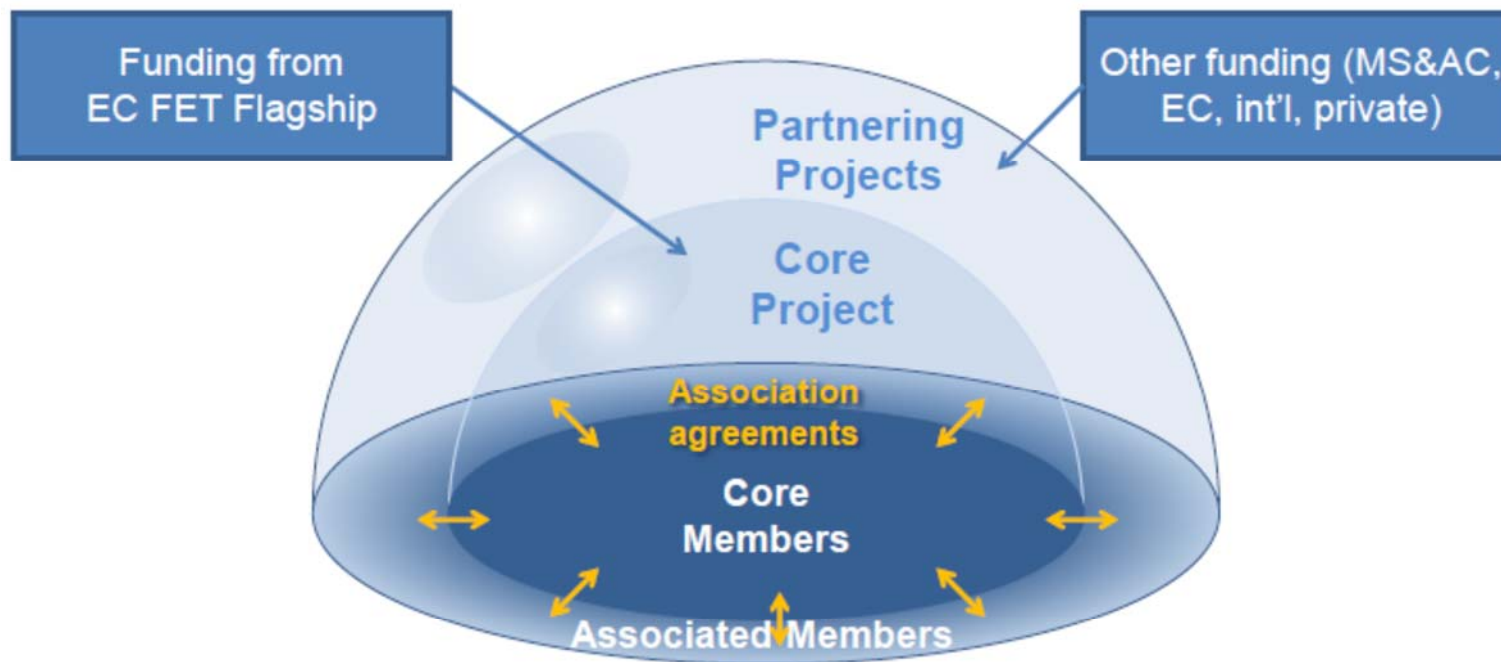
Human Brain Project



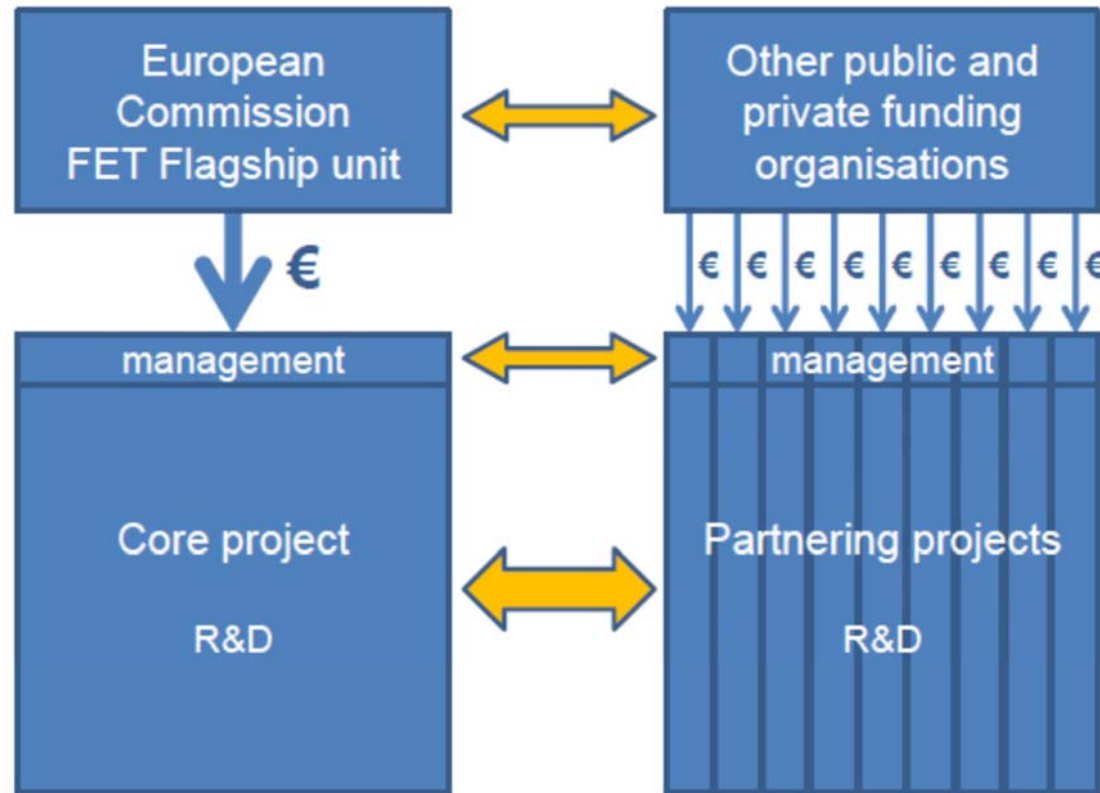
www.humanbrainproject.eu

The FET Flagship Partnering model

Combining efforts from multiple sources of funding



Flagship funding structure



FLAG-ERA: The Flagship ERA-NET

- A network of National and Regional Funding Organisations (NRFOs) in Europe and beyond
- Supporting the FET Flagship initiatives, in collaboration with the European Commission
- Funding research complementing the Flagship Core Projects:
 - Through the use of existing national, regional and transnational calls, which can be combined with the Flagship association mechanismsor
 - Through dedicated calls
 - FLAG-ERA JTC 2015
 - FLAG-ERA JTC 2017
 - **FLAG-ERA JTC 2019**

FLAG-ERA Consortium

■ Full members
■ Associated members

40 funding organisations
from 28 countries

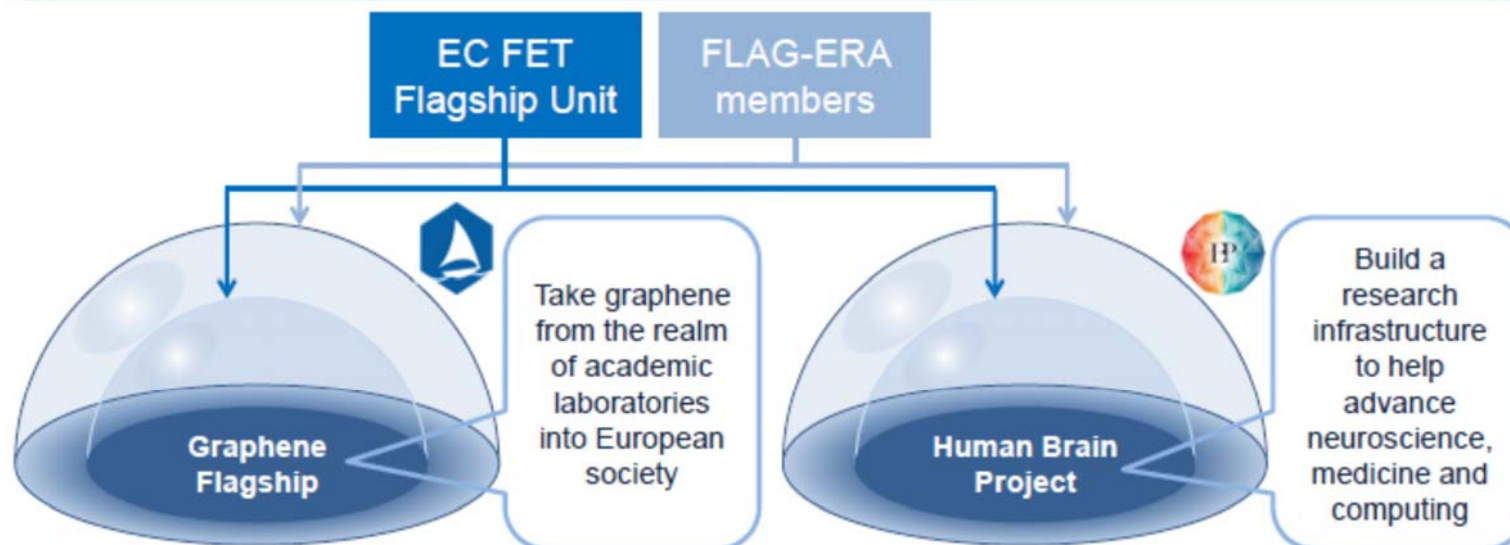
- Full members in 22 countries
- Associated members in 6 additional countries

Each funding organisation
participates in the calls it
is interested in



FLAG-ERA and its environment

FET Flagship programme



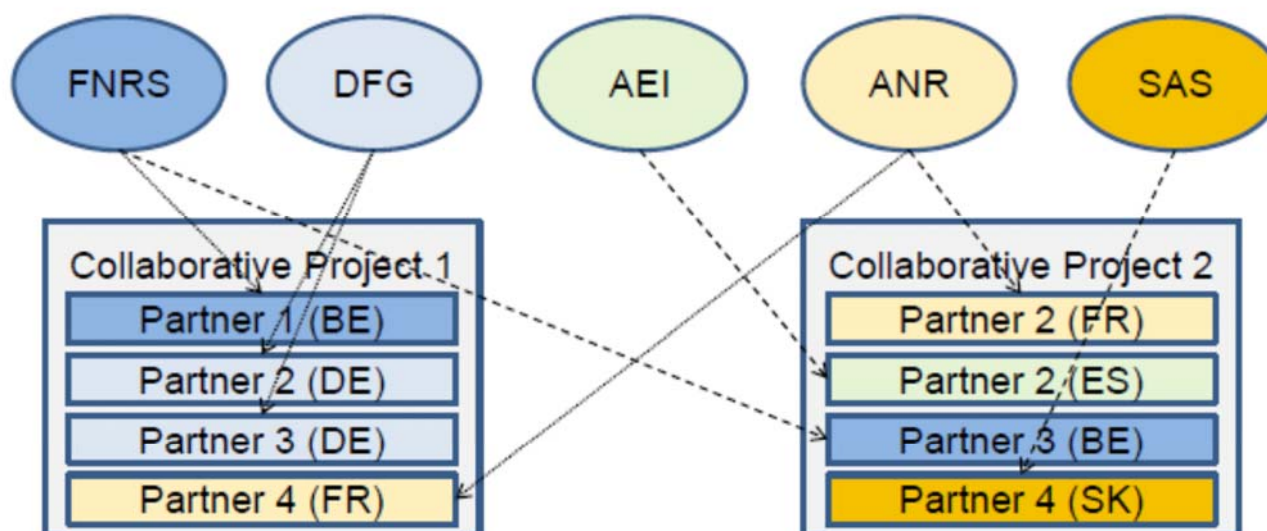
- FLAG-ERA main objectives: Support the Flagship programme and in particular the first two Flagships through
 - Dedicated Joint Transnational Calls (JTC 2015, JTC 2017, JTC 2019)
 - Support to partnering projects and to their integration into the Flagship

The FLAG-ERA Joint Transnational Calls: ERA-NET calls tuned for the Flagships

- Balance between the goal of supporting projects in synergy with the Flagships and the need for independence
 - Scope defined together with the Flagships
 - Information about foreseen synergies embedded in the submission
 - Independent Scientific Evaluation Panel
 - 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

Reminder on ERA-NET funding

- Each project partner is funded by its respective funding agency
- All national regulations apply (forms, reports etc.), possibly with modified/additional procedures for the ERA-NET case



Calls for transnational projects...

Rationale

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

Rules

- **Consortia must be international. They must involve at least**
 - 3 partners requesting funding from 3 participating countries, or
 - 2 partners requesting funding from 2 participating countries and a partner from another country securing its own funding as a Flagship Core Project partner
- **The consortium coordinator must be funded through the call**
- **Consortia 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)

... in synergy with the Flagships

Rationale

- FLAG-ERA aims at supporting the Flagships and expects to take advantage of the synergies they offer
- In order to ensure a smooth integration of the selected projects, information about the association should be documented in the proposals in a way that is ready to use for the association
 - Discussions between Flagship members and non members are expected to take place during the proposal preparation

Rules

- Submission must include a description of the foreseen Flagship partnership using the Flagship partnership proposal form
- Partners in selected projects are invited to proceed with the association
 - The project is labelled as a partnering project
 - Partners not already in the Flagship become Associated Members

NB: Partners requesting funding may be Flagship Core Project members

Main eligibility rules

- International consortia involving at least
 - 3 partners requesting funding from 3 participating countries, or
 - 2 partners requesting funding from 2 participating countries and a partner from another country securing its own funding as a Flagship Core Project partner
- In both cases, partners requesting funding may be Flagship Core Project members
- The 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)
- Researchers who are not eligible for funding can participate in a project if they secure their own funding
- Project duration: up to 3 years and according to individual funding organisation regulations

Comparison with national calls

FLAG-ERA calls	National and regional calls
Scope defined together with the Flagships	Scope defined independently of the Flagships
Synergy with the Flagship is expected	Synergy with the Flagship can be a plus for the evaluation
Funding requested in 2+ countries	Funding requested in 1 country
Not all 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

Comparison with national calls

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JTC 2015 & 2017 country participation

2015

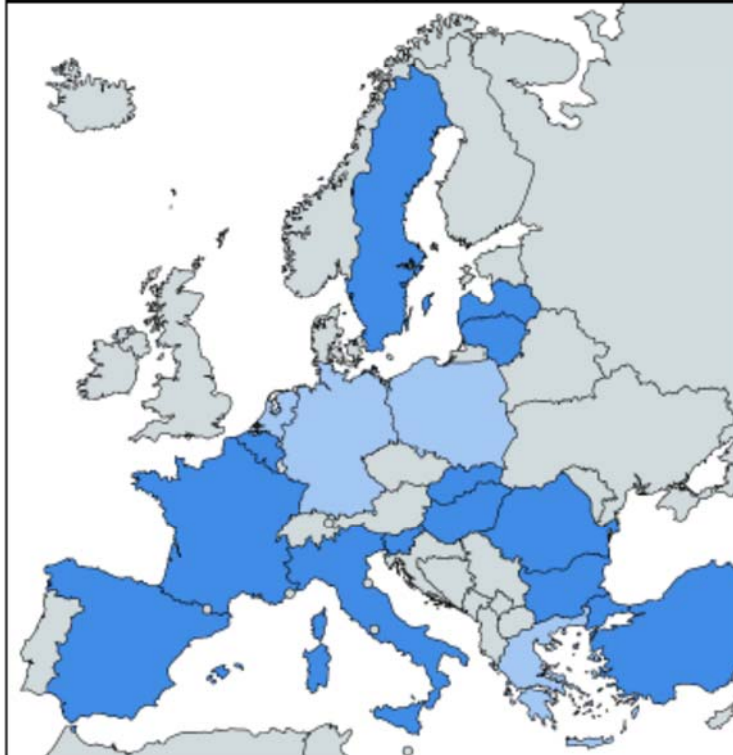
Graphene: 14

HBP: 11

**2017**

Graphene: 17

HBP: 13



JTC 2015 & 2017 outcome

	2015		2017	
	Graphene	HBP	Graphene	HBP
Participating countries	14	11	17	13
Submitted proposals	78	30	52	17
Selected projects	13	6	17	6
Selection rate	17%	20%	33%	35%
Granted funding	9.4 M€	3.6 M€	11.2 M€	3.1 M€
Funding countries	12	6	15	6
Other countries	3	2	1	4

FLAG-ERA JTC 2019 Overview

- **Joint call for transnational research proposals in synergy with the two FET Flagships**
 - Graphene Flagship
 - Human Brain Project
- Funding both Flagship Core Project partners and new partners (expected to become Associated Members of the Flagship)
- 22 funding organisations from 18 countries
- Indicative budget: 20 M€
- Two-step evaluation process
- **Pre-proposal deadline: February 19th, 2019, 17:00 CET**

Research Areas - Graphene

1. Synthesis and characterization of layered materials beyond graphene
2. Graphene and related materials (GRMs) for Quantum Technologies
3. Optimized GRM-based tunnel barriers for efficient spin injection and detection into graphene under operational conditions
4. Spin torque and layered-materials-based memory building block
5. Synthesis of monolayers of non-layered compounds
6. Bacterial degradation of GRMs
7. Osteoinductivity and immunisation capacity of GRMs
8. Soft graphene-based materials for tissue engineering
9. GRM-based large-area light emitters and arrays
10. Low temperature growth of layered semiconductors for flexible applications
11. Nanofluidics based on GRMs
12. CVD growth of graphene on insulators
13. Sensors from GRMs and their heterostructures
14. Passive components for radio frequency electronics based on GRMs
15. Infrared photodetectors based on GRMs and their heterostructures
16. LIDAR based on GRMs for autonomous vehicles
17. Moore's law continued through GRMs
18. GRM-based tandem solar modules
19. Graphene-based cathode materials for Li-ion batteries
20. Re-usable templates for graphene production

Research Areas – HBP

1. Development and maturation of cognitive processes and multisensory integration at micro- and macro-scales
2. The role of neurotransmitter systems in human cognition
3. Subcortical structures: from cognition to action
4. The neuroscience of decision-making
5. Studies on biological deep learning and combined declarative and working memory
6. Disease modelling and simulation
7. Single cell RNA sequencing of human and mouse brain
8. Predictive neuroinformatics: A trans-species approach
9. Testing neuronal models at multiple scales
10. Automated construction and analysis of models of neurons and networks
11. Reconstruction of neuronal morphology from microscopic image data
12. Neuron data format standardization

Participating countries

Graphene 17	HBP 16
BE	BE
BG	BG
DE	
EE	EE
ES	ES
FR	FR
GR	GR
HU	HU
IL	IL
IT	IT
LT	LT
LV	LV
	NL
RO	RO
SE	
SI	SI
SK	SK
TR	TR



Participation in the graphene sub-calls

TRL \leq 4 15	TRL \geq 5 14
BE/FRE	
BE/VLA	BE/VLA
BG	BG
DE	
EE	EE
ES	ES
FR	FR
	GR
HU	HU
IL	IL
	IT
LT	LT
LV	LV
	RO
SE	SE
SI	SI
SK	SK
TR	TR



Participation in the HBP sub-call

HBP
16

BE

BG

EE

ES

FR

GR

HU

IL

IT

LT

LV

NL

RO

SI

SK

TR



HBP-specific support for identification of collaboration opportunities

- In parallel to the evaluation 1st step, except for applicants who would opt out of this possibility, a feedback from Flagship representatives about potential areas of further collaboration is provided on the basis of the Flagship partnership forms included in the pre-proposals
- Applicants invited to the evaluation 2nd step can take advantage of this information to improve their proposal
- The information is not forwarded to the SEP and it is up to the applicants to exploit it.

Indicative Budgets per country (k€)

Country		Funding organisation	Graphene (k€)		HBP (k€)	Anticipated nb of fundable research groups
			Basic research	Applied research and innovation	Basic and applied research	
BE	Belgium	FNRS	200		200	2-3
		FWO	350		350	2-3
BG	Bulgaria	BNSF		100		2-3
DE	Germany	DFG	2 000			10-12
EE	Estonia	ETAg	100		100	2
ES	Spain	AEI		700		5-7
		IDEPA	200			1-2
		ISCIII			500	3-4
FR	France	ANR	1 000		1 000	8-10
GR	Greece	GSRT		900	700	7-9
HU	Hungary	NKFIH	300		300	4-6
IL	Israel	InnovationAuth	500		500	3-5
IT	Italy	MIUR		300	300	4-6
LT	Lithuania	LMT	100		100	2-3
LV	Latvia	VIAA		300		2-3
NL	Netherlands	NWO			700	3
RO	Romania	UEFISCDI		250	250	3-4
SE	Sweden	VINNOVA		750		2-4
		VR	750			2-4
SI	Slovenia	MIZS	420		210	3
SK	Slovakia	SAS	120		120	2
TR	Turkey	TUBITAK		2 500		10-15



Table of links – Graphene

FLAG-ERA JTC 2019 Graphene topic: Related Divisions and Work Packages per JTC research area																
The present document is provided to facilitate contacts with the Graphene Flagship. The table is indicative and appropriate contacts may depend on each specific proposal.																
	Division 1 Enabling Science and Materials			Division 2 Health, Medicine and Sensors			Division 3 Electronics and Photonics Integration			Division 4 Large-Scale Technologies						
	WP1 Enabling Science	WP2 Sensors	WP3 Enabling Materials	WP4 Health and Environment	WP5 Medical Technologies	WP6 Sensors	WP7 Enabling Science	WP8 Enabling Materials	WP9 Enabling Materials	WP10 Enabling Materials	WP11 Enabling Materials	WP12 Enabling Materials	WP13 Enabling Materials	WP14 Enabling Materials	WP15 Enabling Materials	
1) Synthesis and characterization of layered materials beyond graphene	X							X								
2) Graphene and related materials (GRMs) for Quantum Technologies	X															
3) Graphene-based sensors for efficient spin injection and detection into 2D materials		X														
4) Graphene and Graphene-based materials for spintronics		X														
5) Synthesis of nanolayers of non-layered compounds			X													
6) Structural degradation of GRMs				X												
7) Conductivity and permeability capacity of GRMs				X	X											
8) Graphene-based materials for tissue engineering				X	X											
9) GRM-based large-area light emitters and arrays								X								
10) Low-temperature growth of layered semiconductors for flexible applications									X							
11) Nanofibers based on GRMs	X															
12) Growth of graphene on insulators		X														
13) Graphene-based devices and their heterostructures						X										
14) Passive components for radio frequency electronics based on GRMs							X									
15) High-speed photodetectors based on GRMs and their heterostructures								X								
16) GRM-based devices for autonomous vehicles								X								
17) Micro- to bio-sensors through GRMs									X							
18) GRM-based tandem solar modules										X						
19) Graphene-based cathode materials for Li-ion batteries											X					
20) Reusable templates for graphene production																X

Division and Work Package leaders and coordinators with email addresses																
Division 1 - Enabling Science and Materials		Andrés Faller (andres.faller@manchester.ac.uk)	WP1 - Enabling Science	Vladimir Falik (vladimir.falik@manchester.ac.uk)	WP2 - Sensors	Kevin Gaudin (kevin.gaudin@manchester.ac.uk)	WP3 - Enabling Materials	Mar Garcia Hernandez (mar.garcia@manchester.ac.uk)	WP4 - Health and Environment	Mauricio Prato (mauricio.prato@manchester.ac.uk)	WP5 - Medical Technologies	Ricardo Roldán (ricardo.rolan@manchester.ac.uk)	WP6 - Sensors	Peter Stamenov (peter.stamenov@manchester.ac.uk)	WP7 - Enabling Science	David Stamenov (david.stamenov@manchester.ac.uk)
Division 2 - Health, Medicine and Sensors		Andrés Faller (andres.faller@manchester.ac.uk)	WP4 - Health and Environment	Mauricio Prato (mauricio.prato@manchester.ac.uk)	WP5 - Medical Technologies	Ricardo Roldán (ricardo.rolan@manchester.ac.uk)	WP6 - Sensors	Peter Stamenov (peter.stamenov@manchester.ac.uk)	WP7 - Enabling Science	David Stamenov (david.stamenov@manchester.ac.uk)	WP8 - Enabling Materials	Mar Garcia Hernandez (mar.garcia@manchester.ac.uk)	WP9 - Enabling Materials	Mar Garcia Hernandez (mar.garcia@manchester.ac.uk)	WP10 - Enabling Materials	Mar Garcia Hernandez (mar.garcia@manchester.ac.uk)
Division 3 - Electronics and Photonics Integration		David Stamenov (david.stamenov@manchester.ac.uk)	WP7 - Enabling Science	David Stamenov (david.stamenov@manchester.ac.uk)	WP8 - Enabling Materials	Mar Garcia Hernandez (mar.garcia@manchester.ac.uk)	WP9 - Enabling Materials	Mar Garcia Hernandez (mar.garcia@manchester.ac.uk)	WP10 - Enabling Materials	Mar Garcia Hernandez (mar.garcia@manchester.ac.uk)	WP11 - Enabling Materials	Mar Garcia Hernandez (mar.garcia@manchester.ac.uk)	WP12 - Enabling Materials	Mar Garcia Hernandez (mar.garcia@manchester.ac.uk)	WP13 - Enabling Materials	Mar Garcia Hernandez (mar.garcia@manchester.ac.uk)
Division 4 - Energy, Composites and Production		Vittorio Pellegrini (vittorio.pellegrini@manchester.ac.uk)	WP14 - Composites	Andrés Faller (andres.faller@manchester.ac.uk)	WP15 - Production	Andrés Faller (andres.faller@manchester.ac.uk)	WP16 - Production	Andrés Faller (andres.faller@manchester.ac.uk)	WP17 - Production	Andrés Faller (andres.faller@manchester.ac.uk)	WP18 - Production	Andrés Faller (andres.faller@manchester.ac.uk)	WP19 - Production	Andrés Faller (andres.faller@manchester.ac.uk)	WP20 - Production	Andrés Faller (andres.faller@manchester.ac.uk)

Table of links – HBP

FLAG-ERA JTC 2019 Related Subprojects per HBP research area										
The present document is provided to facilitate contacts with the HBP. The table is indicative and appropriate contacts may depend on each specific proposal.										
	Neuroscience research and strategic data generation				Platforms					
	SP1 Mouse Brain Organisation	SP2 Human Brain Organisation	SP3 Systems and Cognitive Neuroscience	SP4 Theoretical Neuroscience	SP5 Neuroinformatics Platform	SP6 Brain Simulation Platform	SP7 High Performance Analytics and Computing Platform	SP8 Medical Informatics Platform	SP9 Neuromorphic Computing Platform	SP10 Neurorobotics Platform
1 Development and maturation of cognitive processes and multisensory integration at micro- and macro-scales	X	X	X	X	X	X	X	X	X	X
2 The role of neurotransmitter systems in human cognition		X	X	X		X		X		
3 Subcortical structures: from cognition to action		X	X	X		X		X		
4 The neuroscience of decision-making			X	X		X		X	X	
5 Studies on biological deep learning and combined declarative and working memory			X	X		X			X	X
6 Disease modelling and simulation		X	X	X	X	X		X		
7 Single Cell RNA sequencing of human and mouse brain	X	X			X	X				
8 Predictive Neuroinformatics: A trans-species approach	X	X	X		X			X		
9 Testing neuronal models at multiple scales	X	X	X	X		X				
10 Automated Construction and Analysis of Models of Neurons and Networks		X	X		X	X	X	X		
11 Reconstruction of neuronal morphology from microscopic image data	X	X			X	X				
12 Neuron Data Format Standardization					X	X	X	X	X	X
NB: The 'Ethics and Society' Subproject can be relevant to all call research areas.										

The Subproject leaders and their contact information are provided on the HBP web site (<https://www.humanbrainproject.eu/en/about/project-structure/subprojects/>).



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Table available on the call page

Evaluation criteria

- The usual criteria for European projects are used
 - Excellence: Scientific and/or technological quality
 - Implementation: Quality and efficiency of the implementation and management
 - Impact: Potential impact through the development, dissemination and exploitation of results
- The criteria weights depend on the sub-call

	Graphene		HBP
	Basic research	Applied research and innovation	Basic and applied research
Excellence	50%	30%	40%
Implementation	30%	30%	30%
Impact	20%	40%	30%

Main steps after submission

- Proposals are assessed by an independent international Scientific Evaluation Panel (SEP)
- The list of project recommended for funding is established on the basis of this assessment and on the available funding
- Timeline
 - May 2019: Notification of accepted short proposals
 - July 2019: Full proposal submission deadline
 - November 2019: Notification of accepted full proposals
 - December 2019 – March 2020: Project start (up to 3 years)

Important documents

- Call Announcement
 - Eligibility rules at the transnational and national levels (cf. Annex II on National requirements)
- Pre-proposal and Flagship partnership proposal forms
- Submission guidelines
- Flagship contact information
- Call presentations and flyers

<http://www.flagera.eu/flag-era-calls/jtc-2019/>

Further information

National and regional contact points:
Cf. Call Announcement (Annex II)

Joint Call Secretariat:
serguei.fedortchenko@agencerecherche.fr

Graphene Flagship
Point of Contact:
graphene-eu@esf.org

Human Brain Project
Point of Contact:
partnering@humanbrainproject.eu