FLAG-ERA II
Deliverable D3.4
JTC 2017 full proposal selection outcome

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Description of content		This deliverable summarises the JTC 2017 full proposal selection outcome.		
Publishable abstract		The FLAG-ERA Joint Transnational Call (JTC) 2017 followed a 2-step procedure. In the second step, 41 full proposals were received and evaluated. Out of the 35 evaluated above threshold, 23 could be selected for funding, for a total amount of requested funding of 14.2 M€. This corresponds to a success rate of 33% in the 2nd step and, since 69 pre-proposals were submitted in the 1st step, to an overall 33% success rate.		
Keywords		Joint Transnational Call, 2-step procedure, 2nd step selection		

Introduction

The FLAG-ERA Joint Transnational Call (JTC) 2017 followed a 2-step procedure. In the second step, 41 full proposals were evaluated by scientific evaluation panels and 35 were evaluated above threshold. Given the available funding, it was possible to select 23 of these proposals (which corresponds to a ratio of 23/35 = 66%). The table below provides the numbers per topic

	Graphene		HBP	Total
	Basic research	Applied research and innovation	Basic and applied research	
Number of full proposals submitted	18	14	9	41
Number of full proposals above threshold	17	9	9	35
Number of selected projects	12	5	6	23

The Call Steering Committee meeting for the funding discussion took place on 20 September 2017. At the meeting, a tentative list of selected projects was agreed upon. The list was confirmed at a second CSC meeting on 18 October 2017, and the feedback to applicants was sent on 19 October. The list of projects recommended for funding, published on 20 October, is provided on the next pages.

This launched the preparation of the project national grant agreements. While most funding organisations were within their budget or could quickly confirm their budget increase, one (MINECO) needed more time and confirmed the increase on 5 June 2018. This enabled the definitely confirm the exact funding scenario.

Overall (over the 2 steps), the call success rate is 23/69 = 33%. In term of funding, the total requested funding from the submitted pre-proposals was 44.1 M€ and the total requested funding from the selected projects is 14.2 M€, which corresponds to a ratio of 14.2/44.1 = 32%.

FLAG-ERA Joint Transnational Call (JTC) 2017
List of projects recommended for funding

The projects listed below are recommended for funding to the national research funding organisations by the FLAG-ERA JTC 2017 Call Steering Committee.

<u>Important:</u> The actual funding of the projects depends on the successful completion of the final funding decisions and contract negotiations at the national level.

<u>List of projects recommended for funding for the HBP topic (alphabetic order)</u>

Acronym and title	Coordinator	Countries in partnership (bold = coordinating country, italics = without JTC funding)
Brainsynch-Hit The influence of directional interactions in brain networks in predicting cognitive deficits post-stroke	Maurizio Corbetta University of Padua	**IT**, FR, *NL*
CAUSALTOMICS Causal connectomics subtending oscillatory spread and information flow in the human brain	Antoni Valero-Cabré Institut du cerveau et de la moelle	**FR**, ES, RO
CORTICITY Comparative Investigation of the Cortical Circuits in Mouse, NHP and Human	Henry Kennedy Institut Cellule Souche et Cerveau (SBRI)	**FR**, *DE*, ES, *US*, RO
HIPPOPLAST How rigid and plastic circuits contribute to hippocampal function	Rosa Cossart Institut de Neurobiologie de la Méditerranée	**FR**, ES, HU
MAC-Brain Developing a Multi-scale account of Attentional Control as the constraining interface between vision and action: A cross-species investigation of relevant neural circuits in the human and macaque Brain.	Leonardo Chelazzi University of Verona	**IT**, BE, FR
SCALES Studying Cognitive Activity at two Levels with Simultaneous depth and surface recordings	Christian Bénar Aix-Marseille Université	**FR**, RO, *CH*

List of projects recommended for funding for the Graphene, Basic Research topic (alphabetic order)

Acronym and title	Coordinator	Countries in partnership (bold: coordinating country, italics: without JTC funding)
2D-SbGe Preparation and characterization of antimonene and germanium nanolayers	Felix Zamora Universidad Autonoma de Madrid	**ES**, DE, SI
CERANEA Multifunctional Ceramic/Graphene Coatings for New Emerging Applications	Csaba Balazsi Hungarian Academy of Sciences, Centre for Energy Research	**HU**, DE, SK
GATES nanoporous GrAphene membrane made without TransfEr for gas Separation	Laurent Ducimetiere Pfeiffer Vacuum SAS	**FR**, ES, GR
GRANSPORT Correlations and defects in graphene and related materials: Charge and heat transport	Mikhail Katsnelson Radboud University	**NL**, DE, FR, SE
GraSage Modelling of the electrical and thermal transport mechanisms in graphene nano-modified polymer compounds and fibres	Gunnar Seide Maastricht University / Aachen-Maastricht Institute for Biobased Materials	**NL**, DE, BE, ES
H2O Heterostructures of 2D Materials and Organic Semiconductor Nanolayers	Andrey Turchanin Friedrich Schiller University Jena	**DE**, NL, SE
LaMeS Layered Structures of Metal Sulfides	Tomas Nyberg Uppsala University	**SE**, DE, FR
MECHANIC Modelling Charge and Heat Transport in 2D-materIals based Composites	Andreas Isacsson Chalmers University of Technology	**SE**, BE, ES, *IT*, TR
MORE-MXenes Magnetically Ordered Rare Earth 2D MXenes	Thierry Ouisse Laboratoire des Matériaux et du Génie Physique	**FR**, BE, SE
MX-OSMOPED MXene–organic semiconductor blends for high-mobility printed organic electronic devices	Gvido Bratina University of Nova Gorica	**SI**, DE, BE, FR
SIMPLANT Synthesis of few layered transition metal dichalcogenides by ion implantation	Didier Pribat Laboratoire de physique des interfaces et des couches minces	**FR**, DE, BE
TopoGraph Engineering topological superconductivity in graphene	Peter Makk Budapest University of Technology and Economics, Dept. of Physics	**HU**, ES, NL

List of projects recommended for funding for the Graphene, Applied Research and Innovation topic (alphabetic order)

Acronym and title	Coordinator	Countries in partnership (bold = coordinating country, italics = without JTC funding)
CO2-DETECT Waveguide-Integrated Mid-Infrared Graphene Detectors for Optical Gas Sensor Systems	Frank Niklaus KTH Royal Institure of Technology	**SE**, *DE*, ES
EPIGRAPH GRAPHene biomolecular and electrophysiological sensors integrated in an "all-in-one device" for the prediction and control of EPIleptic seizures (towards a general device for most brain disorders)	Daniel Simon Linköping University	**SE**, FR, GR
GRAFIN GRAphene-based Flexible neural Interfaces for the control of Neuroprosthetic devices	Xavier Navarro Universitat Autònoma de Barcelona	**ES**, FR, SE, TR
GRAPH-EYE In situ, non-invasive quality control of crystalline quality of GRMs via non-linear optical properties imaging	Emmanuel Stratakis Foundation for Research and Technology Hellas	**GR**, BE, *UK*
MELoDICA Disclosing the potential of transition metal dichalcogenides for thermoelectric applications through nanostructuring and confinement	Ilaria Pallecchi Consiglio Nazionale delle Ricerche, Instituto SPIN	**IT**, *BE*, GR, RO