

FLAG-ERA JTC 2017 Project Kick-off Seminar

Agenda

Ministerio de Economía, Industria y Competitividad
Paseo de la Castellana 162
28046 Madrid, Spain
Room F (Sala "F")

21-22 March 2018

Seminar objectives:

- Provide the overall picture of the Flagship environment for new partnering projects
- Answer questions about the contracts with the national funding organisations
- Answer questions about the Flagship partnering process and documents
- Network between the JTC 2017 project representatives and other Flagship stakeholders

Overview

| Tuesday, March 20 | Wednesday, March 21 | Thursday, March 22 |
|-------------------|--|--|
| | JTC 2017 project kick-off Graphene Flagship | JTC 2017 project kick-off Human Brain Project |
| | Lunch | Lunch |
| | JTC 2017 project kick-off Graphene Flagship | |
| Dinner | Dinner | |

Tuesday 20 March 2018

| Time | Dur. | Item / goals | Organiser | Participants |
|-------|------|---|-----------|--------------|
| 20:30 | 2h30 | Dinner at TASCA LA FARMACIA CAPITÁN HAYA , Calle del Capitán Haya, 19, 28020 Madrid | MINECO | |

Wednesday 21 March 2018 morning – Graphene

| Time | Dur. | Item / goals | Speaker | Participants |
|-------|------|--|------------------------------------|---|
| 08:30 | 0h30 | Welcome | | |
| 09:00 | 1h00 | Introduction <ul style="list-style-type: none"> The FET Flagship programme Graphene Flagship presentation: unifying vision, organisation and activities FLAG-ERA presentation: Coordination of national and regional support to the Flagships & Outcome of the JTC 2017 SCOPE presentation: Support to the Flagship Partnering Projects | EC GRA Flagship ANR SCOPE | FLAG-ERA JTC 2017 GRA stakeholders |
| 10:00 | 0h20 | Status of JTC 2017 project association | GRA partnering manager | |
| 10:20 | 0h40 | Project presentations <ul style="list-style-type: none"> GATES (nanoporous GrAphene membrane made without TransfEr for gas Separation) TopoGraph (Engineering topological superconductivity in graphene) MX-OSMOPED (MXene–organic semiconductor blends for high-mobility printed organic electronic devices) CERANEA (Multifunctional Ceramic/Graphene Coatings for New Emerging Applications) | PP coordinators | |
| 11:00 | 0h30 | Coffee break | | |
| 11:30 | 0h50 | Project presentations (continued) <ul style="list-style-type: none"> 2D-SbGe (Preparation and characterization of antimonene and germanium nanolayers) H2O (Heterostructures of 2D Materials and Organic Semiconductor Nanolayers) LaMeS (Layered Structures of Metal Sulfides) MORE-MXenes (Magnetically Ordered Rare Earth 2D MXenes) SIMPLANT (Synthesis of few layered transition metal dichalcogenides by ion implantation) | | |
| 12:20 | 1h10 | Lunch | | |

Wednesday 21 March 2018 afternoon – Graphene

| Time | Dur. | Item / goals | Organiser | Participants |
|-------|------|--|------------------------|---|
| 12:20 | 1h10 | Lunch | | |
| 13:30 | 0h30 | Project presentations (continued) <ul style="list-style-type: none"> • MECHANIC (Modelling Charge and Heat Transport in 2D-materials based Composites) • GRANSPORT (Correlations and defects in graphene and related materials: Charge and heat transport) • GraSage (Modelling of the electrical and thermal transport mechanisms in graphene nano-modified polymer compounds and fibres) | PP coordinators | FLAG-ERA JTC 2015 GRA stakeholders |
| 14:00 | 0h10 | Break | | |
| 14:10 | 0h50 | Project presentations (continued) <ul style="list-style-type: none"> • MELoDICA (Disclosing the potential of transition metal dichalcogenides for thermoelectric applications through nanostructuring and confinement) • CO2-DETECT (Waveguide-Integrated Mid-Infrared Graphene Detectors for Optical Gas Sensor Systems) • GRAPH-EYE (In situ, non-invasive quality control of crystalline quality of GRMs via non-linear optical properties imaging) • GRAFIN (GRAphene-based Flexible neural Interfaces for the control of Neuroprosthetic devices) • EPIGRAPH (GRAphene biomolecular and electrophysiological sensors integrated in an "all-in-one device" for the prediction and control of EPileptic seizures) | | |
| 15:00 | 0h30 | Coffee break | | |
| 15:30 | 1h00 | Scientific and technical integration of the JTC 2017 projects in the Graphene Flagship <ul style="list-style-type: none"> • WP1 Francisco Guinea • WP2 Stephan Roche • WP3 Mar Garcia-Hernandez • WP 5 Jose Antonio Garrido • WP 6 Arpiainen Sanna • WP 11 Emmanuel Kymakis • WP 13 Martin Lohe • WP 14 Ian Kinloch | GRA Representatives | |
| 16:30 | 0h30 | Conclusions and next steps | ANR | |
| 17:00 | | End of Graphene part of seminar | | |

Wednesday 21 March 2018 evening

| Time | Dur. | Item / goals | Organiser | Participants |
|-------|------|---|-----------|--------------|
| 20:00 | 2h30 | Dinner at, Real Café Bernabeu , Avda. Concha Espina, 1, Puerta 30 Estadio Santiago Bernabeu | MINECO | |

Thursday 22 March 2018 morning – HBP

| Time | Dur. | Item / goals | Speaker | Participants |
|-------------|-------------|--|---------------------------------------|---------------------------------------|
| 08:30 | 0h30 | Welcome | | |
| 09:00 | 1h00 | Introduction <ul style="list-style-type: none"> The FET Flagship programme HBP presentation: unifying vision, organisation and activities FLAG-ERA presentation: Coordination of national and regional support to the Flagships & Outcome of the JTC 2017 SCOPE presentation: Support to the Flagship Partnering Projects | EC HBP coordinator ANR SCOPE | FLAG-ERA JTC 2017 HBP stakeholders |
| 10:00 | 0h20 | Status of JTC 2017 project association | HBP partnering manager | |
| 10:20 | 0h30 | Project presentations <ul style="list-style-type: none"> CORTICITY (Comparative Investigation of the Cortical Circuits in Mouse, NHP and Human) HIPPOPLAST (How rigid and plastic circuits contribute to hippocampal function) 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) | PP coordinators | |
| 10:50 | 0h30 | Coffee break | | |
| 11:20 | 0h30 | Project presentations (continued) <ul style="list-style-type: none"> Brainsynch-Hit (The influence of directional interactions in brain networks in predicting cognitive deficits post-stroke) CAUSALTOMICS (Causal connectomics subtending oscillatory spread and information flow in the human brain) SCALES (Studying Cognitive Activity at two Levels with Simultaneous depth and surface recordings) | | |
| 11:50 | 1h00 | Scientific and technical integration of the JTC 2017 projects in the HBP <ul style="list-style-type: none"> SP 1 Javier DeFelipe Martin Telefont – Scientific Coordinator | HBP scientific / technical director | |
| 12:50 | 0h30 | Conclusions and next steps | ANR | |
| 13:20 | 1h10 | Lunch and end of HBP part of seminar | | |