



GRAPHENE FLAGSHIP

# FET Flagships Workshop

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*Graphene Flagship WP 16 "European alignment"*

## Graphene Flagship WP16 “European Programmatic Coordination and Alignment

- **Aim** : to promote and facilitate interactions and alignment between the Graphene Flagship, national and other European programmes and activities in the area of graphene and related 2D materials
- **Means** : Collect information on national programmes, activities and funding – interactions with the FLAG-ERA consortium, research performing organisations and the broad scientific community
- **Current activities** : Assessment of the impact of the Graphene Flagship on national programmes; mapping of the funding landscape covering the full innovation chain (from basic and applied research to innovation)
- **Needs** : up-to date information from research funders and the scientific community on research activities, priorities and future plans

## Graphene Flagship Open Call : Facts and figures

- Call opened : 25 November 2013
- Objective: to strengthen the engineering aspects of the Flagship
- Call deadline : 5 February 2014
- 13 Call topics (11 thematic, 1 bottom-up, 1 on roadmapping)
- Call budget 9 million € (~ 708 k€ per topic, 250 k€ for the roadmapping project)

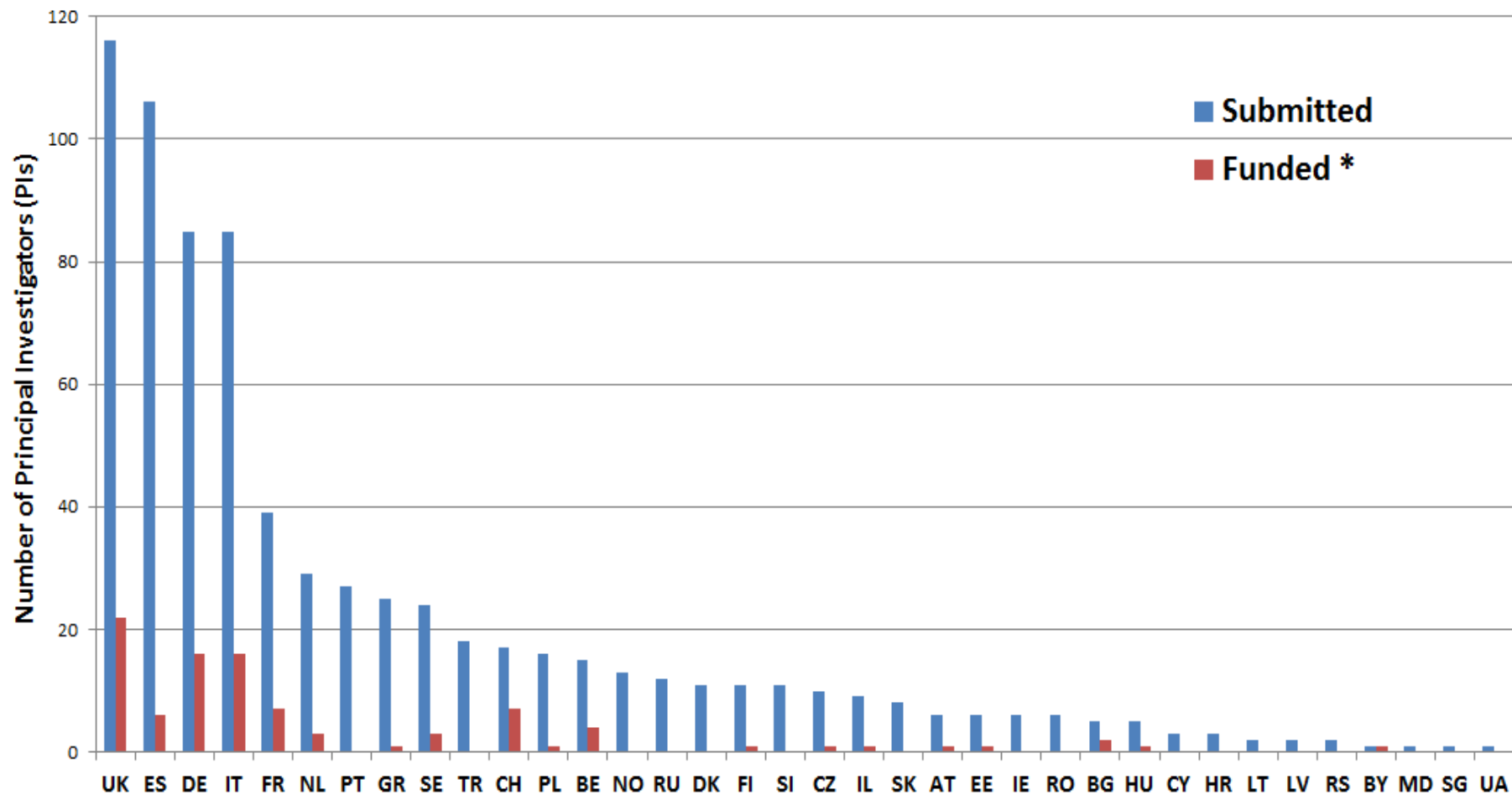
## Open Call : Evaluation procedures

- Single-stage application and selection procedure
- 218 proposals received (738 applicants)
- Evaluation criteria as defined by EC rules
  - *Scientific and/or technological excellence (relevant to the topics addressed by the call)*
  - *Quality and efficiency of the implementation and the management*
  - *Potential impact*
- Process had to be in line with FP7 regulation - all process designed, implemented and validated according to EC requirements (an independent observer reporting to EC)
- Evaluation managed by the European Science Foundation (ESF)
- Six panels composed of 7-13 experts evaluated the proposals (over 70% outside of Europe to avoid conflicts of interest)
- Feedback to applicants provided in the form of a consensus report
- Decision on projects to be funded by the Graphene Flagship Executive Board based on ranking.

# Open Call Proposals per Topic

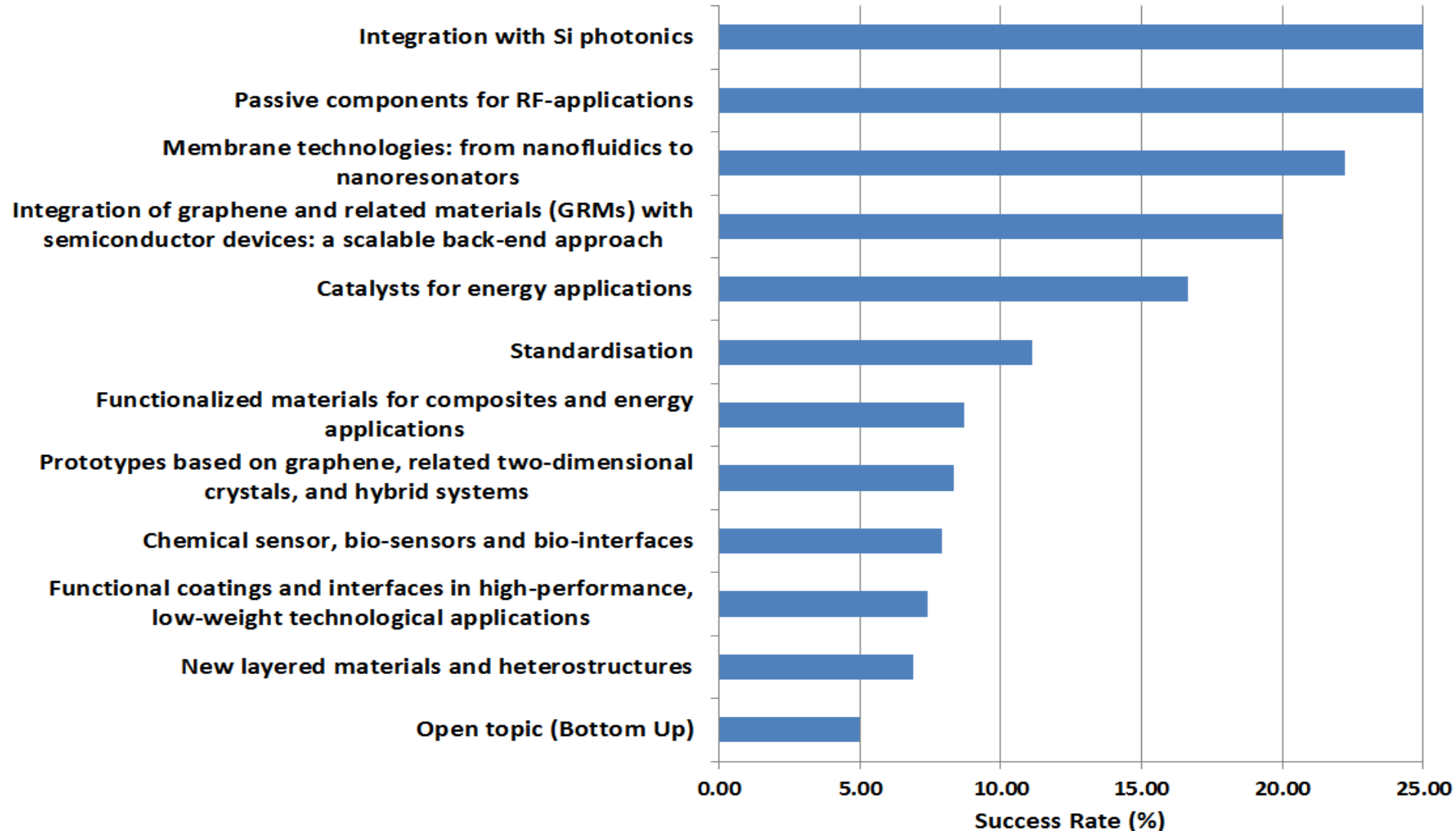
Topic		Prop. received
01	Standardisation	9
02	Chemical sensor, bio-sensors and bio-interfaces	38
03	Membrane technologies: from nanofluidics to nanoresonators	9
04	Catalysts for energy applications	12
05	Functionalized materials for composites and energy applications	23
06	Functional coatings and interfaces in high-performance, low-weight technological applications	27
07	Integration of graphene and related materials (GRMs) with semiconductor devices: a scalable back-end approach	5
08	New layered materials and heterostructures	29
09	Passive components for RF-applications	8
10	Integration with Si photonics	4
11	Prototypes based on graphene, related two-dimensional crystals, and hybrid systems	12
12	Open topic (Bottom Up)	40
13	Updating the Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems	2

## Open Call Statistics per Country



\* Expected to be funded pending negotiations with the European Commission

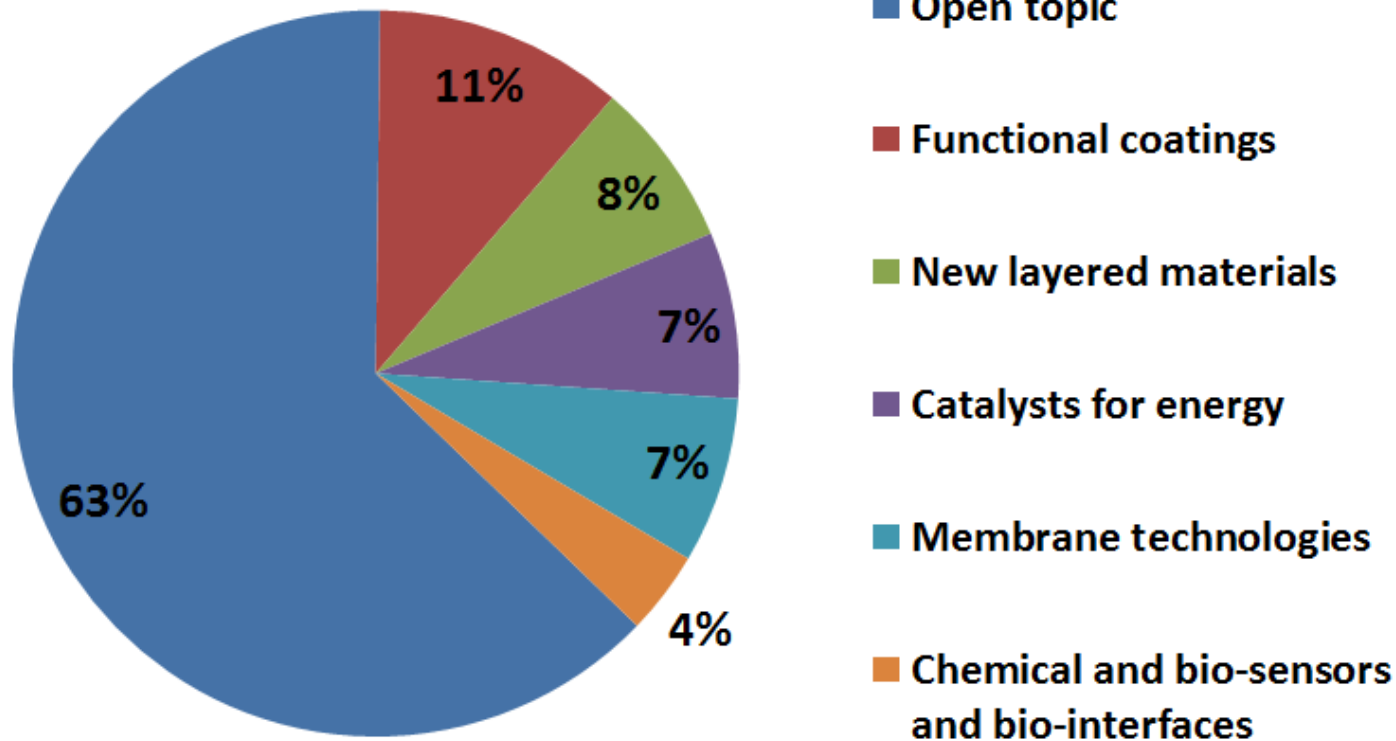
## Success rates per topic



## Participation from Portugal

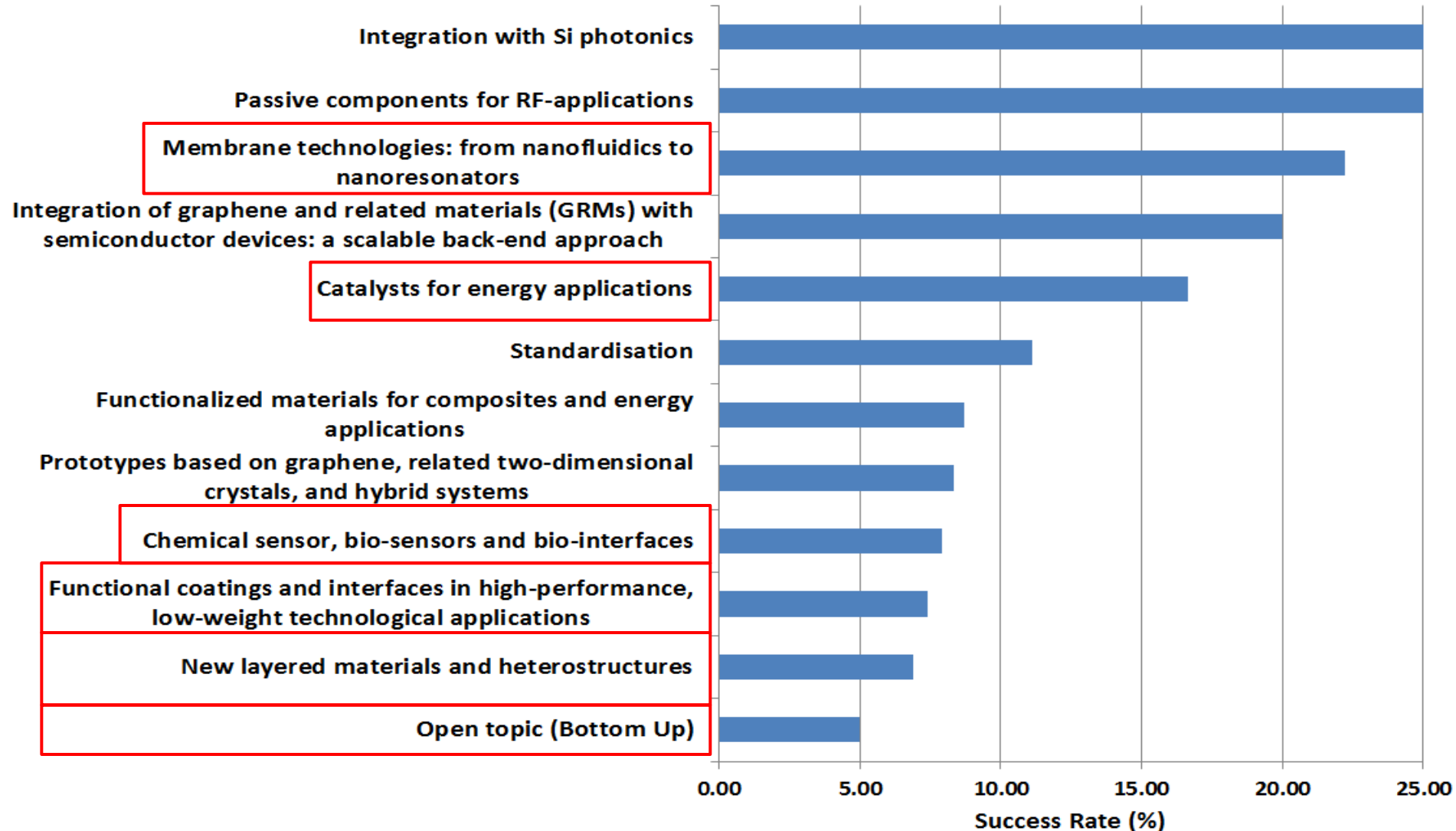
Applicants from Portugal per topic

- 27 Applicants (3.4%)
- 12 Proposals (5.5%)
- 6 Topics





## Success rates per topic



## Some conclusions

- Very competitive call – average success rate was **~10 %**
- Scope of the call was to strengthen specific areas
- Bottom-up topic was heavily oversubscribed
- Success rate was higher for topics addressing some current technological needs

## Next steps

- FLAG-ERA transnational call
- Target areas of the Graphene Flagship where additional expertise is needed according to the roadmap
- Stay connected to the Graphene Flagship community through interactions with PIs, other European and national projects, networking
- Prepare for the next phase under Horizon2020

# Thank you!



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