

Workshop FET Flagships: Human Brain Project & Graphene

Lisbon, 10 July 2014

FET Flagships

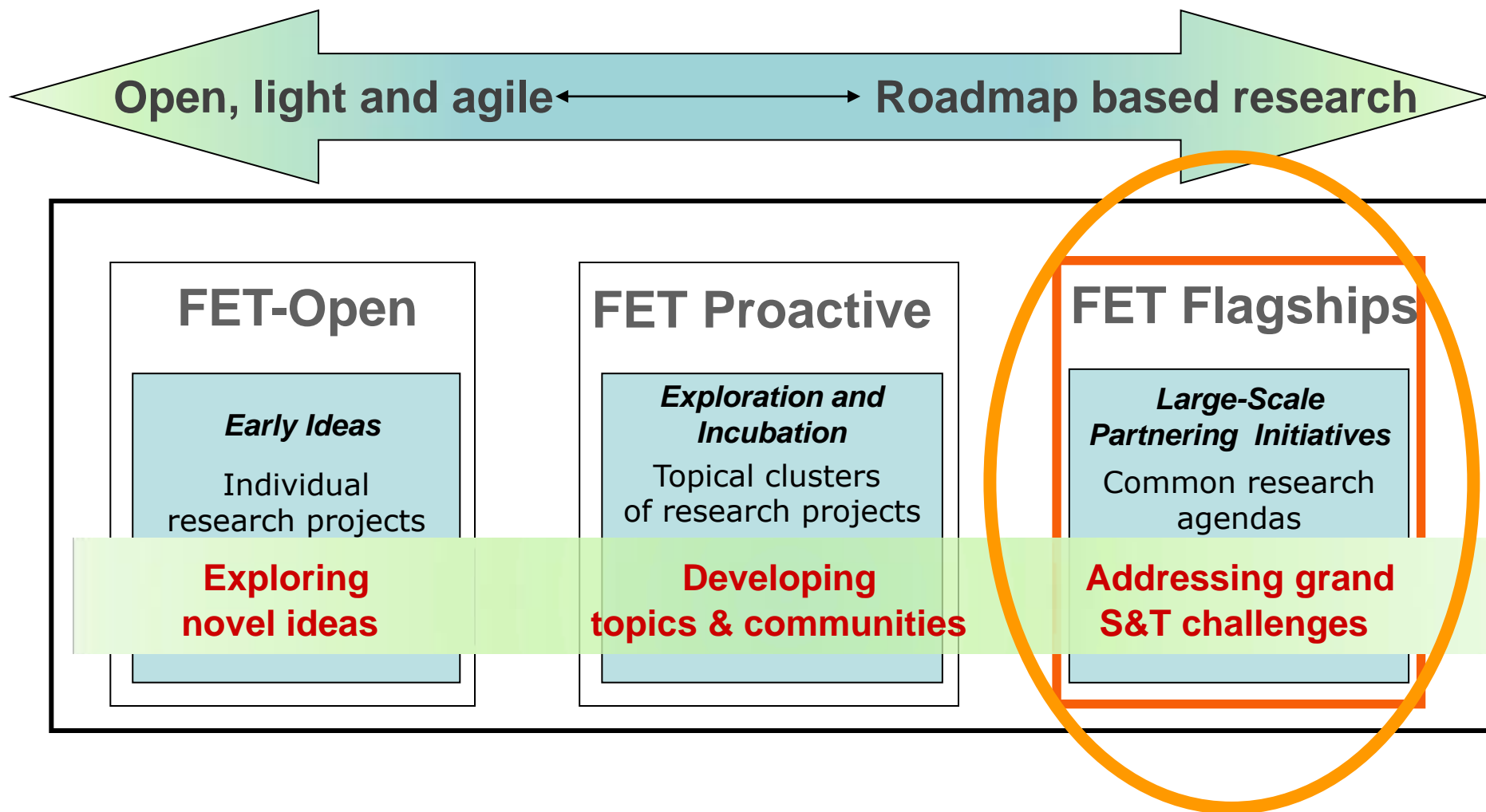
A novel partnering approach to address grand scientific challenges and to boost innovation in Europe

Thomas Skordas

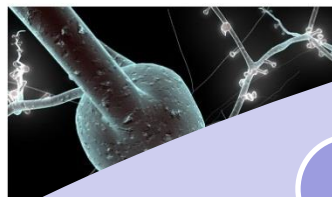
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FET in Horizon 2020



FET Flagships



The first project is the Human Brain Project by neuroscientist Henry Markram, Federal Institute of Technology, Lausanne.

Stimulating ideas & structuring the scientific community
2009 - 2010

Preparatory Phase
05/11 - 04/12

Flagship selection
6 → 2
end 2012

Start of:

- HBP,
 - GRAPHENE
 - FLAG-ERA
- 10/13

Operational phase
4/16 – 3/23

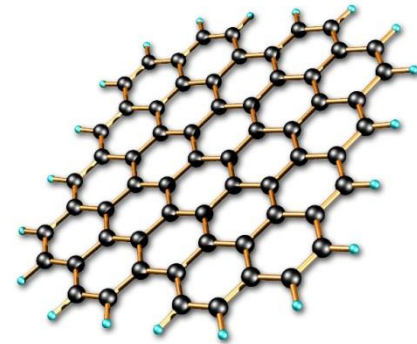


FET Flagships Projects (FP7)



GRAPHENE

Start Date: 01 October 2013. Duration: 30 Months
EC Funding: 54 M€
Coordinator: Chalmers Tekniska Högskola AB, Gothenburg, Sweden
of Partners: 142 (76+66) partners, 23 countries
Contact: Prof. Jari Kinaret
Website: <http://www.graphene-flagship.eu>



Human Brain Project

Start Date: 01 October 2013. Duration: 36 Months
EC Funding: 54 M€
Coordinator: Ecole Polytechnique Fédérale de Lausanne, Switzerland
of Partners: 112 (80 +32) partners, 25 countries
Contact: Prof. Henry Markram
Website: <https://www.humanbrainproject.eu>



FLAG-ERA (FP7 ERANET)



FLAG-ERA:

Started 01 October 2013

2.0 M€, 36 months

Coordinator: ANR (France)

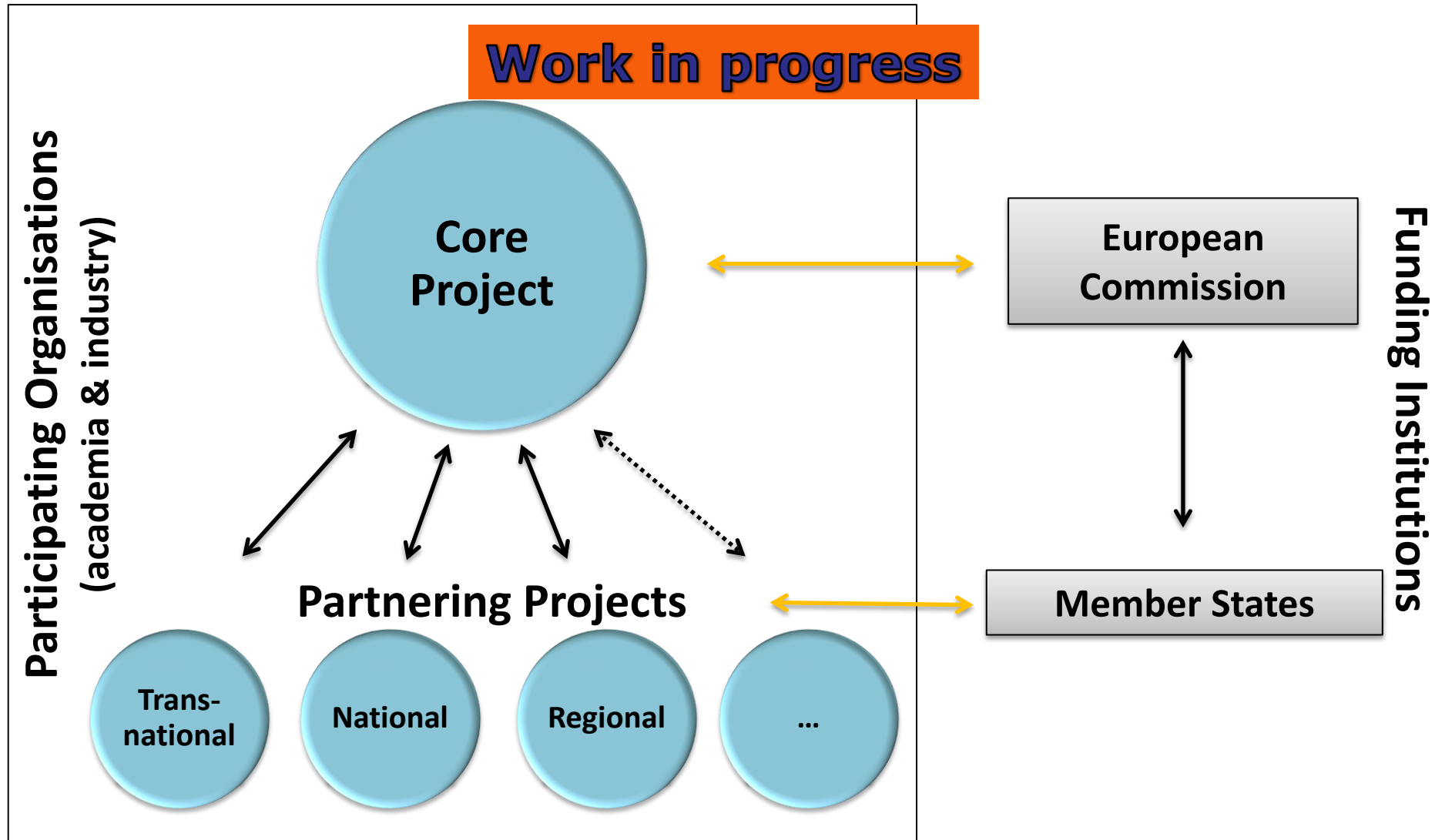
31 Ministries & Non-Research Funding Organizations from:

- Member States
- Associated Countries
- European Regions

Creating enhanced complementarities and synergies between regional, national, European and international research programmes and initiatives, by:

- Networking the funding organisations and having discussions of matters of interest related to the two FET Flagships;
- Identifying areas that complement the core projects and agreeing and launching (trans)national calls for research projects;
- Reducing the fragmentation of the ERA by taking up new opportunities for Excellence

<http://www.flagera.eu/>



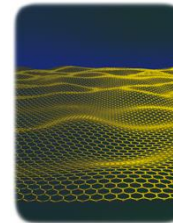
FET Flagships

H2020 Implementation Model (2)

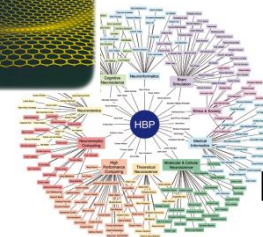


Work in progress

Framework Partnership Agreement (FPA)



Graphene Consortium



HBP Consortium

- **The FPA** sets out the contractual conditions of the Partnership
 - ➔ **FPA Action Plan:** includes the objectives, research roadmap, commitments, expected impacts, exploitation and communication strategy, targets / KPIs and monitoring, Consortium and Governance

Horizon 2020 (2014-2020)

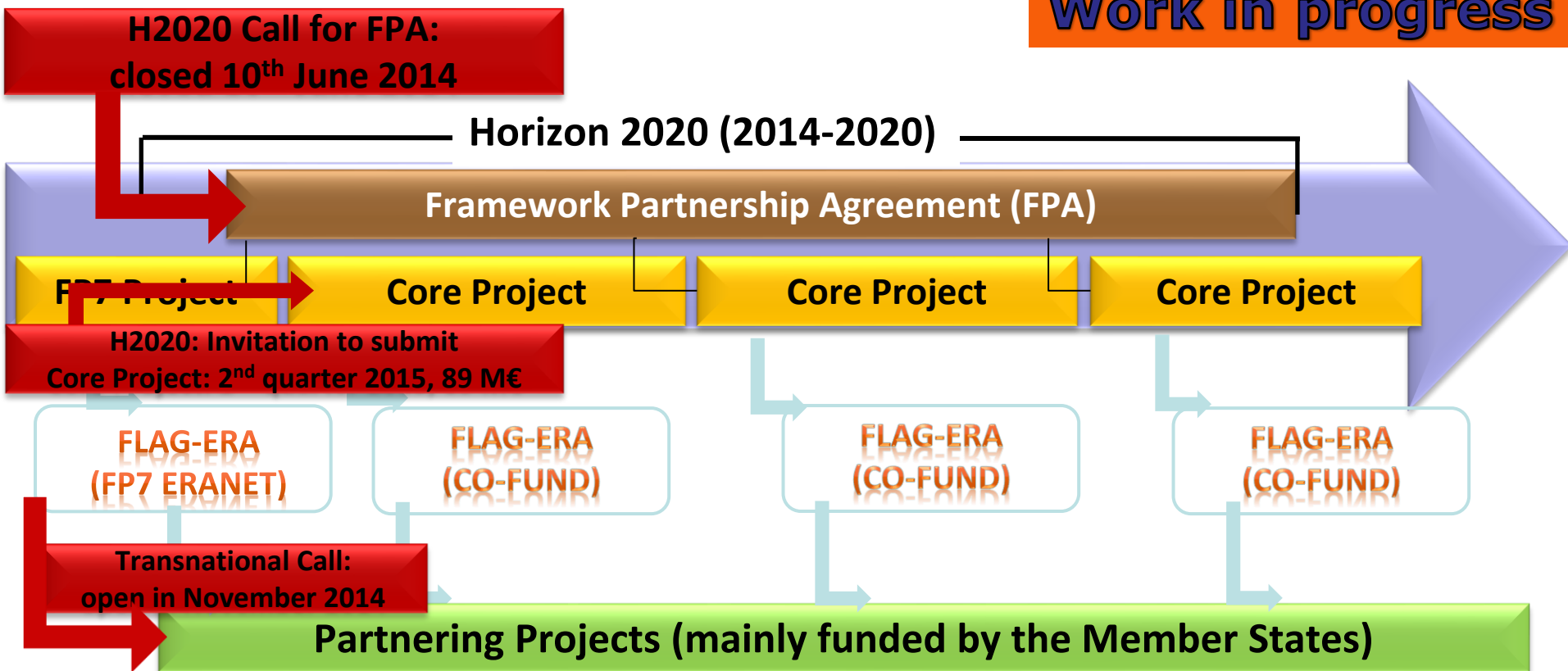
Framework Partnership Agreement (FPA)

Core Project

Core Project

Core Project

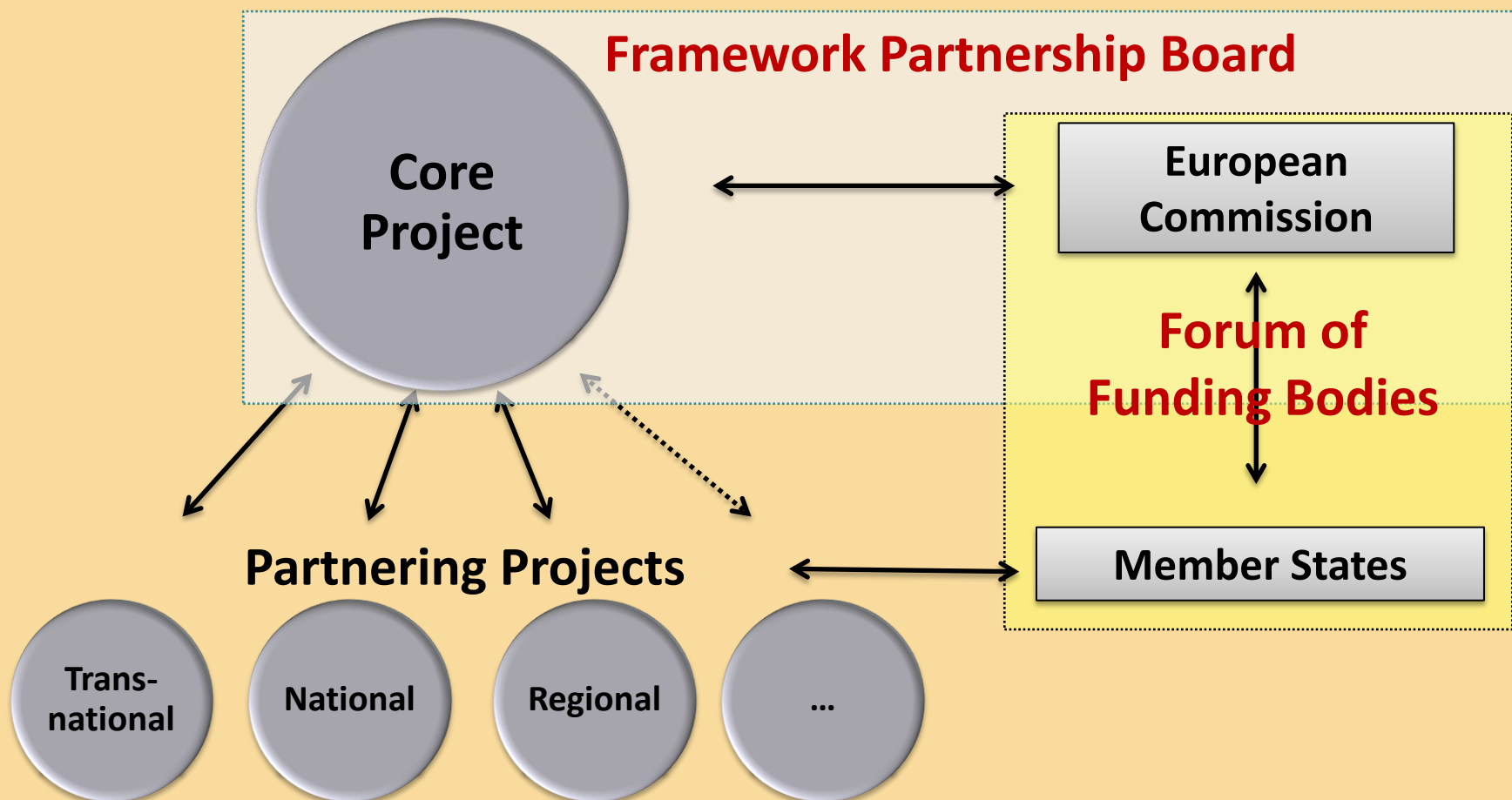
Work in progress



- 50 M€/year EU funding
- Regional, national, transnational funding
- Total ~ 100 M€/year budget

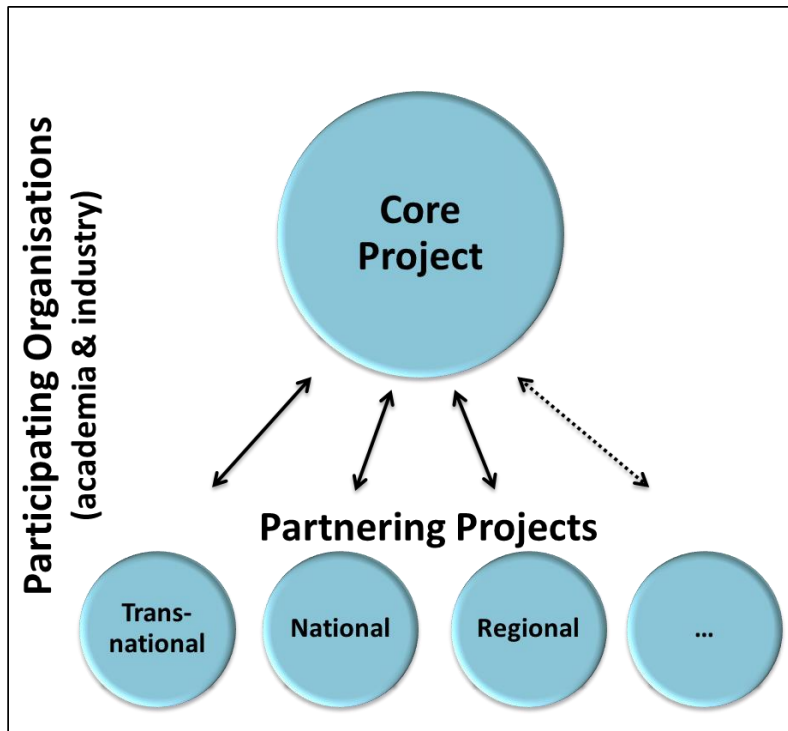
Work in progress

Flagship Governance Forum



FET Flagships

Collaboration Opportunities



- **Partnering Projects essential for the success of the Flagships!**
- **Collaboration Framework:**
 - Set out mutual benefits, roles & responsibilities → reciprocal value, coherence, and sense of community!
- **Selection mechanisms**
 - Transnational calls, national projects, ERC grants, etc.
 - Core Project selects Partnering Projects → open, fair, transparent selection
 - Exact modalities of collaboration to be further elaborated by the partners

Commission Policy Document!
Planned publication date: September 2014

Thank you



- http://cordis.europa.eu/fp7/ict/programme/fet/flagship/home_en.html
- <http://www.graphene-flagship.eu/>
- <https://www.humanbrainproject.eu>
- <http://www.flagera.eu>