FLAG-ERA JTC 2017 Kick-off Seminar

Madrid, 21-22 March 2018

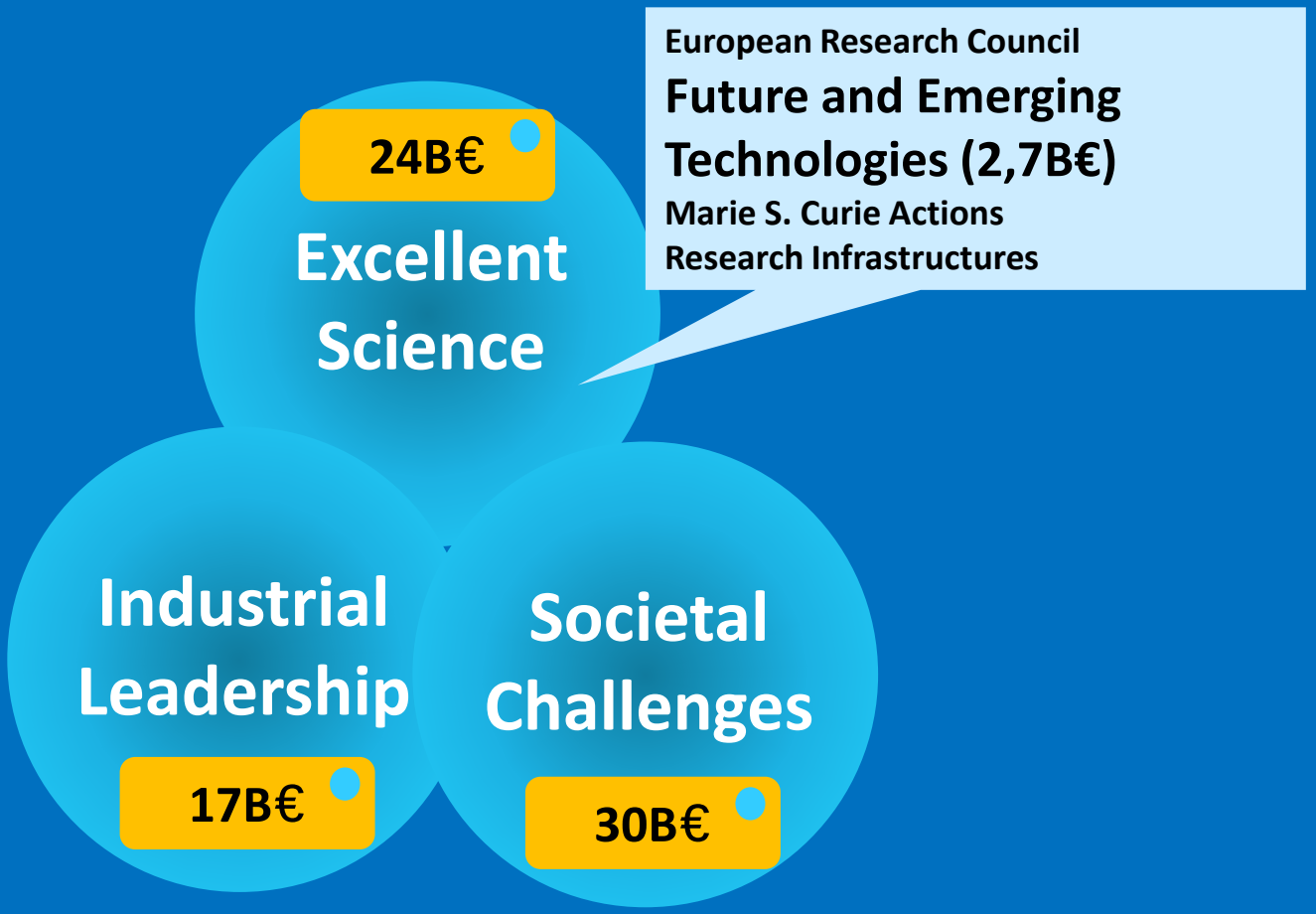
FET Flagships

Emilie Klecha

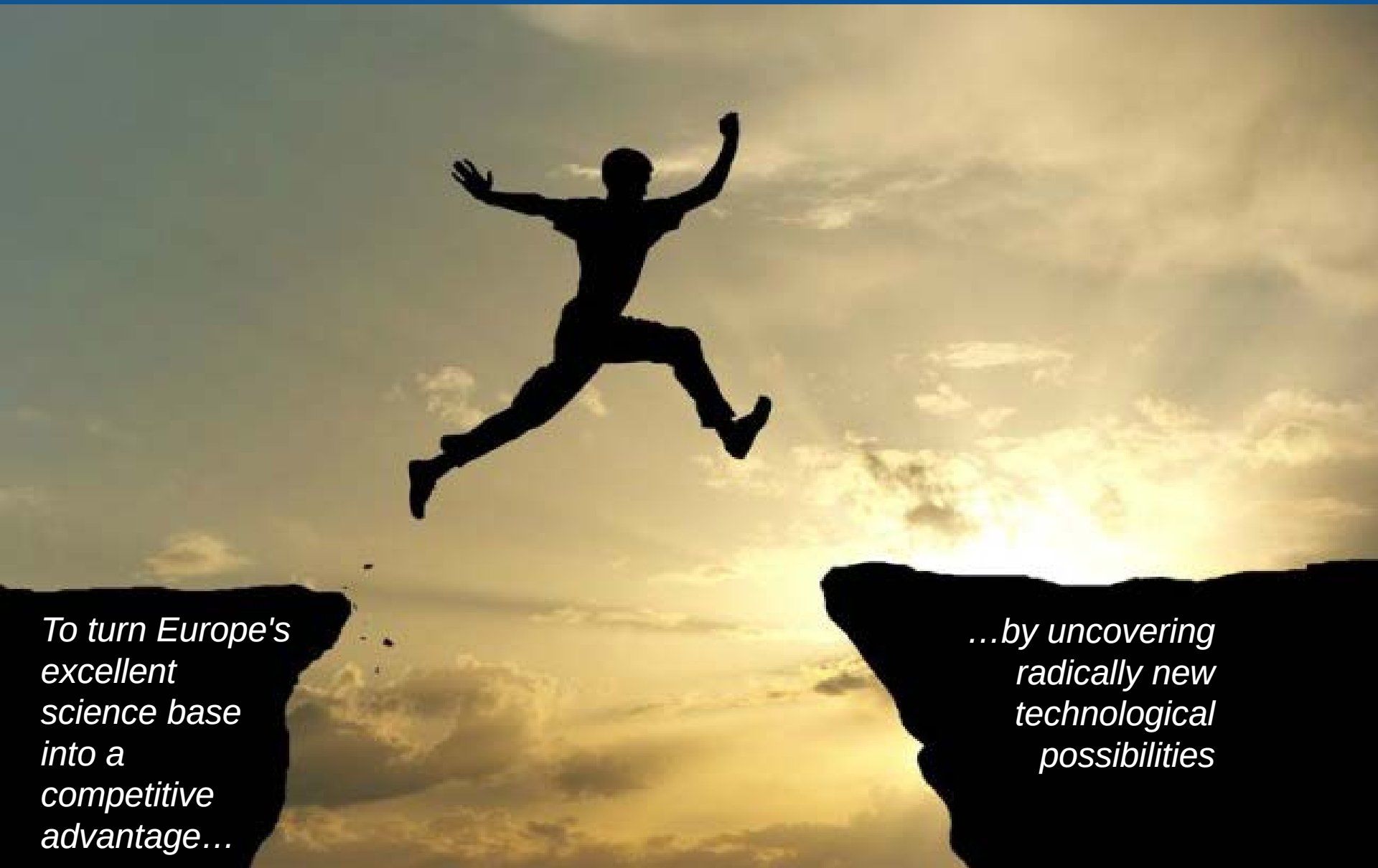
Flagships unit

DG Connect, European Commission

Horizon 2020



FET Mission


To turn Europe's excellent science base into a competitive advantage…
…by uncovering radically new technological possibilities

FET Intervention logic

FET Open	*Testing early ideas*	*A few groups*	*No traced exploitation path*
FET Proactive	*Making the case for a new paradigm*	*Interdisciplinary community*	*Emerging R&I ecosystems*
FET Flagships	*Advance the technology to address a challenging unifying goal*	*Committed large scale partnership*	*Gradual shift towards a European Innovation engine*

FET Flagships

- Science-driven, large-scale research initiatives built around an ambitious unifying vision
- Grand S&T challenges requiring interdisciplinary cooperation and involving academia and industry
- Convert scientific advances into technology developments: from lab to the market place

~ 1 Billion Euro

~ 10 year duration

Flagships are implemented in close cooperation between the European Commission and the Member States

Current Flagships

GRAPHENE FLAGSHIP

Aim: Move graphene and related layered materials from the lab to the market

Consortium: 150+ partners from 23 countries, and around 100 associated members

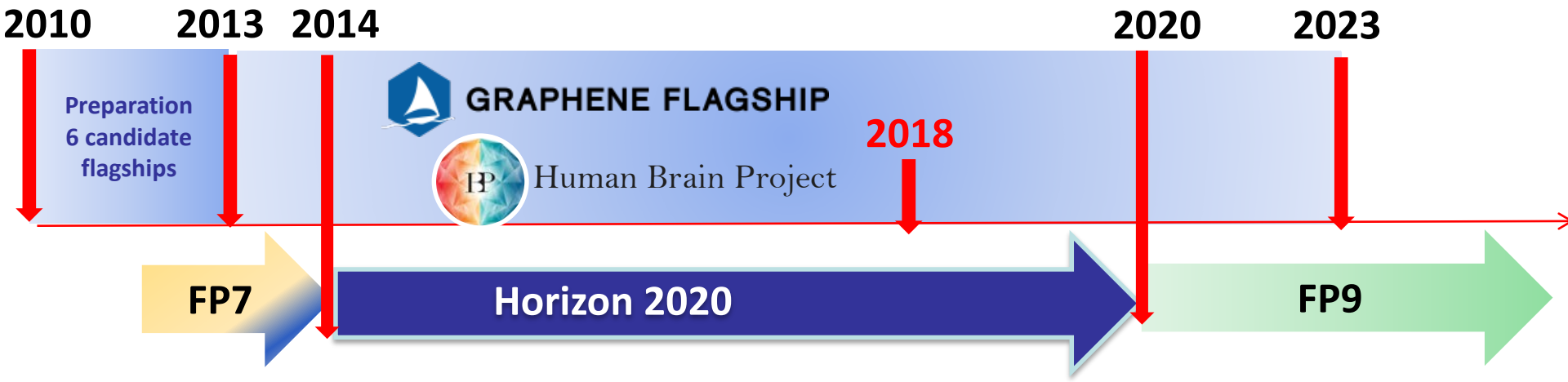
Duration and budget: October 2013 for 10 years – EU budget: ~380 M€ (FP7 + H2020)

Human Brain Project

Aim Understand the functioning of the human brain and its diseases & Exploiting this knowledge for future medicine, computing & robotics

Consortium: more than 400 scientists from 112 partners in 24 countries

Duration and budget: October 2013 for 10 years – EU budget: ~400 M€ (FP7 + Horizon 2020)



Added value

Unprecedented S&T Collaboration

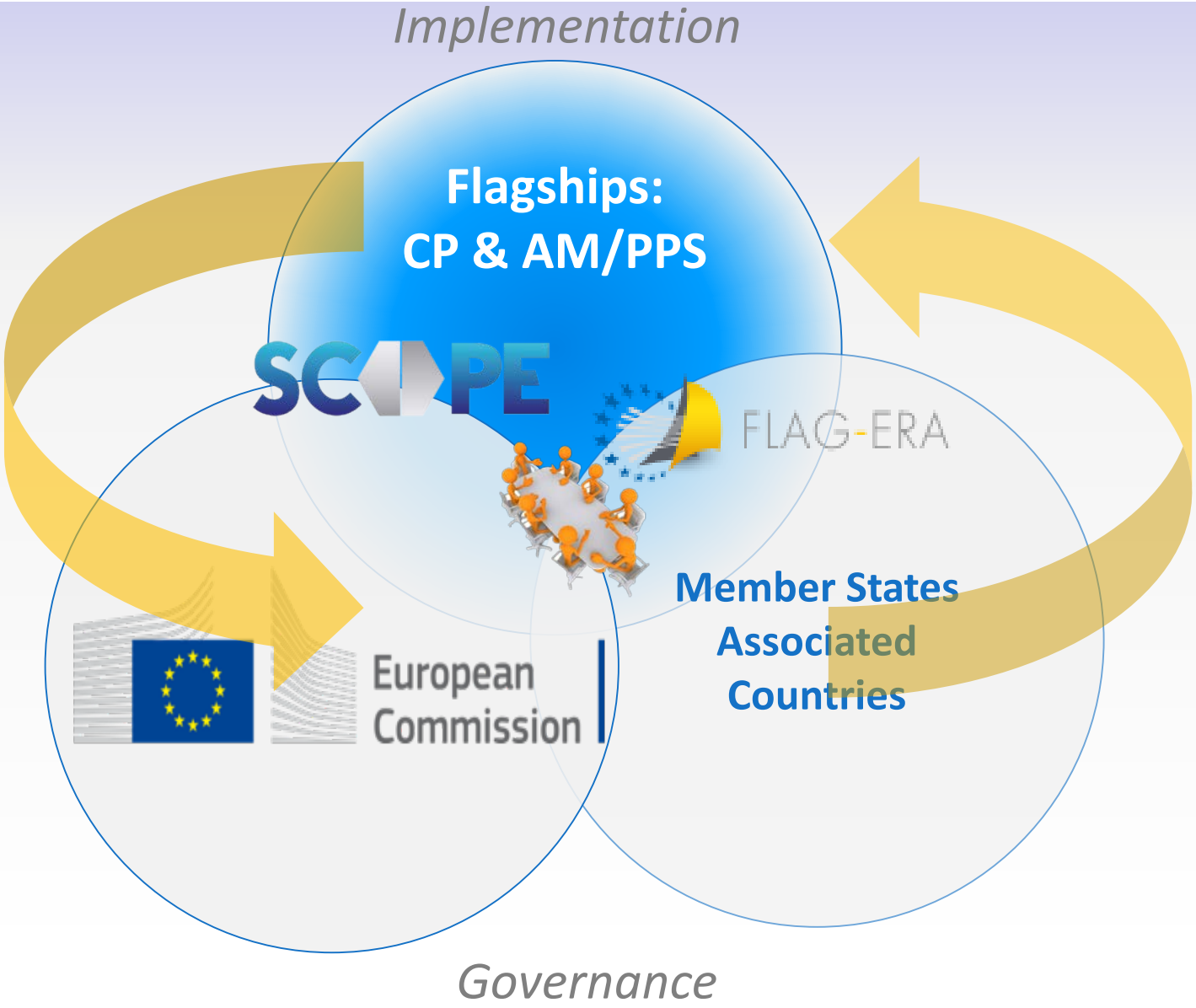
Innovation

International Collaboration

Talents in Europe

New Partnership

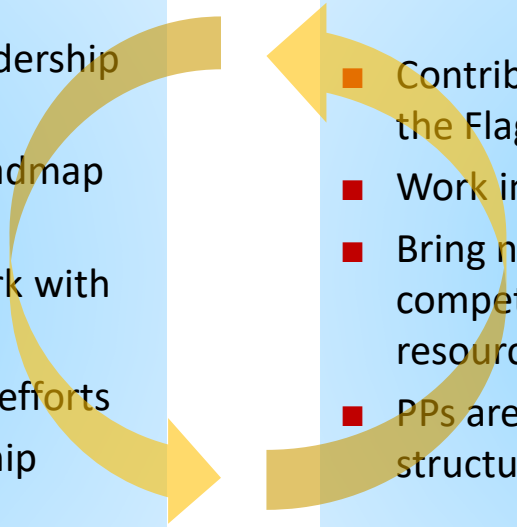
Flagships Ecosystem



CP and PPs: The Roles

CP: the driving force of the Flagship

- Ensures the Flagship's scientific leadership and cohesion
- Commits to realise the research roadmap of the Flagship
- Defines the collaboration framework with the PPs
- Ensures the efficient integration of efforts
- Monitors the progress of the Flagship roadmap



PPs: An integral part of the Flagship

- Contribute to the research roadmap of the Flagship
- Work in synergy with the CP partners
- Bring new knowledge, new competencies, new ideas and new resources to the Flagship
- PPs are represented in the management structure of the CP

CP and PPs
Expectations and Monitoring

- Develop open/flexible and creative collaborative schemes that bring reciprocal value to all the parties
- Establish harmonised communication policies
- Help create/strengthen links with national initiatives, networks, players
- Create innovation opportunities!

- **CP/PP level → Progress of joint activities**

Examples: Joint meetings/workshops, joint publications and/or patents, staff exchange, creation of start-ups …

- **Flagship level**: Implementation of the research agenda; building a sense of community, incl. a harmonized dissemination strategy; participation in governance, etc.

Flagships
Interim Evaluation Recommendations

- Strategic Relevance of the Flagship Instrument in Setting and Implementing the European Strategy for Research and Innovation
- Increase Clarity of Purpose and Differentiation between the Flagships and other Research Instruments
- Establish a Standard Means of Assessing the Flagships based on Key Performance Indicators that Fully Reflect Purpose
- Improve Operational Management to Enhance the Budget Flexibility and Reduce Administrative Overhead
- Improve Strategic Management to Enhance Openness of the Flagships towards Adopting New Directions
- Improve Coherence with other Horizon 2020 Activities
- Improve the Process of Selecting Flagships
- Improve Engagement with National Initiatives

What do we take from the report

- ✓ **Short term : on going flagships**
  - ✓ Improve set of KPIs in running flagships
  - ✓ Providing flexibility & reducing overhead by adopting 2 years reporting cycle & moving to a 3 years SGA in WP2018-2020
  - ✓ New directions adopted by the flagships as they progress
  - ✓ Further stimulate awareness raising and communication across H2020 initiatives
- ✓ **Longer term : new flagships**
  - ✓ Endorsement for jointly preparing new flagships with Member States & with the community
  - ✓ Reflecting on best model for flagships in FP9

All you want to know about FET Flagships :

https://ec.europa.eu/digital-single-market/en/fet-flagships

GRAPHENE FLAGSHIP

http://graphene-flagship.eu/

Human Brain Project

https://www.humanbrainproject.eu/