2nd meeting of the Board of Funders

Brussels, 17 March 2016
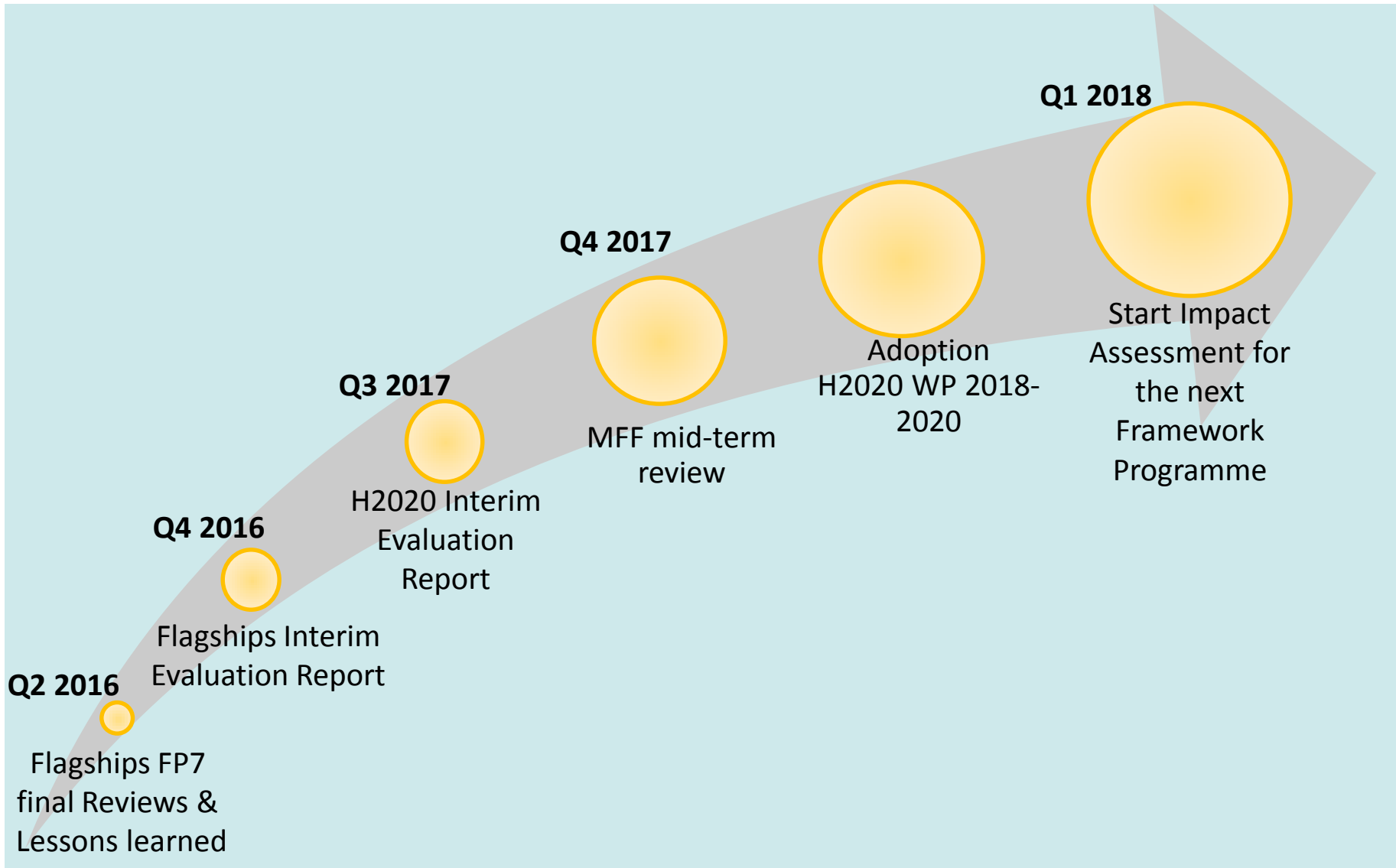
Preparing the H2020 work programme 2018-2020

Thomas Skordas

Head of the Flagships Unit, DG Connect

European Commission

New initiatives?

Q1 2018

Start Impact Assessment for the next Framework Programme

Q4 2017

MFF mid-term review

Adoption H2020 WP 2018-2020

Q3 2017

H2020 Interim Evaluation Report

Q4 2016

Flagships Interim Evaluation Report

Q2 2016

Flagships FP7 final Reviews & Lessons learned

Preparing new initiatives

What is a FET Flagship?

- Science-driven, large-scale, multidisciplinary research initiative built around an ambitious unifying vision

- Address a **grand S&T challenge** requiring **cooperation among a range of disciplines, communities and programmes**, including both academia and industry

- Designed to **convert scientific advances into technologies and into concrete innovations** that benefit Europe's **society and economy**

- Realised through **a federated and sustained effort** (~10 years duration)

Some Key Questions

- **Is it good enough for Europe?**

- **Is it feasible?** Does Europe have the S&T excellence and capabilities (e.g. infrastructures)?

- **Will industry be interested & involved?**

- **What is the European added value and can Europe make the difference wrt competition?**

Prerequisites for new Flagships

- Build on (some) existing S&T communities, having reached critical mass ➔ existing national or transnational activities

- Emerging technologies-oriented attracting industry interest ➔ TRL ≥ 2

- Requiring large investments through large-scale (multi-disciplinary) partnerships

Consultation

Open Consultation: 10 February to 30 April 2016

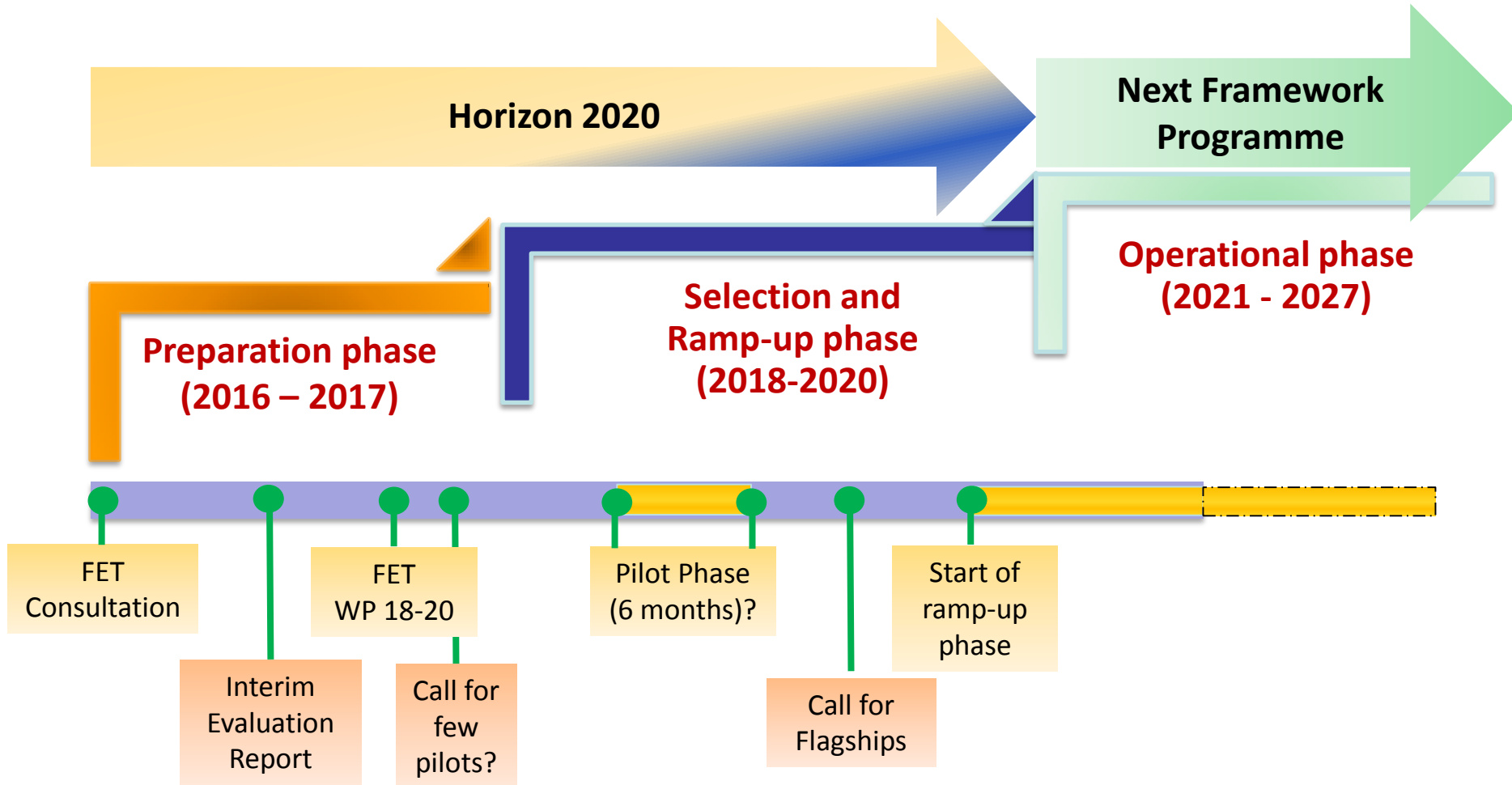**https://ec.europa.eu/futurium/en/content/fet-flagships**

Questions of the consultation:

1. **What is the grand S&T Challenge?** What is the underlying vision, and main objectives? Which main technologies will be advanced?

2. **Why is it good for Europe**? What relevance for EU industry, which innovation potential, what socio-economic benefits? How would it position Europe to other regions in the world?

3. **What would it take to do it?** What scale of efforts & which duration? What are Europe's assets (skills, capabilities) & which communities to be involved? Are there other relevant national or European research initiatives and why doing at European level?

■ **Other FET consultations (FET Proactive + Mathematics)**
https://ec.europa.eu/futurium/en/digital4science

Timeline

Horizon 2020

Next Framework Programme

Preparation phase
(2016 – 2017)

Selection and
Ramp-up phase
(2018-2020)

Operational phase
(2021 - 2027)

FET
Consultation

FET
WP 18-20

Pilot Phase
(6 months)?

Start of
ramp-up
phase

Interim
Evaluation
Report

Call for
few
pilots?

Call for
Flagships

Open Discussion

- **What should the next steps?**

  - A list of grand challenges ➔ grouped by "*priority areas*"?

  - Open process or only those "ideas" to consider from the consultation?

  - What should be the role of the Member States (… and of industry)?

    - ✓ Towards a shortlist of priority areas?
      Who should define this shortlist ➔ Policy makers or high-level experts or both? Based on which (preselection) criteria?

    - ✓ What role for industry?

  - Call for pilots? All open or only on the shortlist of priority areas?

- **What about the selection criteria and the evaluation process?**

- **What about the future Flagship funding model?**

THANK YOU!