



Workshop
on the issues relevant to the ERA-
related groups in the context of the
Interim Evaluation of Horizon 2020
and preparations for
the future Framework Programme



15 March, Malta



Horizon 2020 shall support the achievement and functioning of ERA – art. 5

- **75%** of the stakeholder consultation respondents think that **Horizon 2020 is fully or to a large extent 'helping to support the development of the ERA**, a unified area open to the world, in which scientific knowledge, technology and researchers circulate freely'.
- Only **2.2%** do not share this view at all. The least positive are umbrella organisations representing businesses and NGOs.

P2Ps in general

- **27** ERA-NET Cofund actions in 2014-2015; around **30** in 2016-2017
- **Leverage effect** of the 27 actions - for each euro invested by the EU, the participating states invest an additional amount of 2.31 €.
- 4 Art. 185 initiatives – subject to separate evaluation

Joint Programming Initiatives

- JPIs are supported in Horizon 2020 by **16 ERA-NET Co-Fund** actions and **CSA**;
- The overall level of ambition does not meet the initial expectations.
- Most countries are unwilling or unable to co-invest in the central executive resource that is needed to effectively implement the strategic agendas of the JPIs
- Most countries are neither adapting their national research activities towards the SRA/SRIAs nor the activities of the JPIs
- Member State-led joint programming process is not sustainable, especially during times of severe economic austerity in many countries, without Union support
- Participation in an increasing number of P2Ps causes difficulties mainly due to the lack of administrative capacity and available national funding



Research infrastructure (RI)

- RIs are contributing to increase the knowledge base with shared distribution and access to data, materials and tools that are accessible across the EU. They also support the mobility of researchers.
- **29** EU infrastructures have reached the implementation phase, **21** are in development.
- **13** new Pan-European research facilities are based on the new legal framework for the European Research Infrastructure Consortium (ERIC).
- **365** national researcher infrastructures have been made accessible to all researchers in Europe and beyond, out of a target of 900 by the end of Horizon 2020.



Mobility of researchers

- **300.000 – 340.000** researchers in the EU FPs teams are fully or at least partly involved in EU-funded research activities
- **1 in 4 MSCA** fellows are researchers from countries outside the EU Member States or Associated Countries
- The number of research positions advertised on **EURAXESS** Jobs between 1 January and 31 December 2015 comprised 286,525 job vacancies and 62,088 fellowships.



Gender

- **Gender balance in projects:** proportion of women in projects workforce is at the level of around 40%; women represent 31% of projects coordinators
- **Gender balance in decision-making** is close to being achieved; 53% in advisory groups (33% in FP7) and 36.7% in evaluation panels
- **Integration of gender into R&I content**

WP level: the gender-flagged topics increased from 99 among 610 topics in Work Programme 2014-2015 to 108 among 568 topics in Work Programme 2016-2017

Projects level: the qualitative analysis of the 111 projects from gender-flagged topics showed that 53% included the gender dimension well or in part.



Open Science and Innovation

- Horizon 2020 projects have already generated **8,246** publications, about half of them are peer-reviewed publications
- **65.2%** of Horizon 2020 publications are in **open-access**
- **65.4%** of the projects covered by the **Open Data** pilot make scientific data accessible and re-usable.
- Outside the areas covered by the pilot, a further **11.9%** of projects participate on a voluntary (opt-in) basis.
- Publications from FP7 and Horizon 2020 projects are **cited more than twice** as much as the world average



International cooperation

- Applicants from 188; participants from 131 countries
- **Drop in participation of third countries**
- 87 third countries participate in Horizon 2020 (131 in FP7)
- Third countries represent **2.5%** of the participations (4.3% in FP7) and **0.8%** of the funding in internationally open collaborative projects (1.8% in FP7);
- **9** countries that are not automatically eligible for funding from Horizon 2020 have established co-funding mechanisms to provide funding to their participants in Horizon 2020 projects
- Projects under **PPPs** have either no or very few international participants (except for IMI) whereas **P2Ps** show a stronger international participation, with third-country participation share in ERA-NETs at around 5%.