



Horizon 2020

Future Earth consultation workshop
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Andrea Tilche
Acting Director, Environment Dir.
DG Research and Innovation



Horizon 2020

Vision, structure and timing



Where are we now?

- **06/2011: Commission's Proposal for EU budget 2014-2020**
- **11/2011: Commission's Proposal for Horizon 2020**
- **5-12/2012: Council agreement (without budget) on Horizon 2020 Proposals**
- **11/2012: EP's Opinion**
- **02/2013: Council agreement on overall budget**
- **On-going inter-institutional negotiations between Council and EP on EU budget and Horizon 2020**



Horizon 2020: main features

- **Research and innovation funding programme (2014-2020)**
- **Core part of Europe 2020, Innovation Union and the European Research Area policy**
 - **Responding to the economic crisis** to invest in future jobs and growth
 - **Addressing people's concerns** about their livelihoods, safety and environment
 - **Strengthening the EU's global position** in research and innovation



Horizon 2020: What's new?

- **A single programme** bringing together three separate programmes/initiatives (FP7, CIP, EIT)
- **Three pillars:** Excellent science, Industrial Leadership, societal challenges
- **Coupling research and innovation** – from research to retail, all forms of innovation
- **Focus on societal challenges** facing EU society: health, clean energy and transport, climate change etc.



Horizon 2020 approach

Change in approach, break from the past

- Challenge-based approach, focused on main objectives/sub-challenges (not prescriptive topics)
- Identification of main building blocks
- Coherent packages of activities/instruments
- Focus on high impact and EU added-value
- Work on leverage effect of:
 - Private Public Partnerships
 - Public Public Partnerships
 - Other EU programmes (Structural Funds, LIFE+...)



Cross-cutting issues in Horizon 2020

- **International cooperation**
- **Partnering**
- **Social Sciences and Humanities**
- **Sustainable Development and Climate Change**



International Cooperation in H2020 (1)

International cooperation with non-EU countries and international organisations will be promoted in Horizon 2020 to achieve the following objectives:

- strengthening the Union's excellence and attractiveness in research and innovation as well as its economic and industrial competitiveness;
- tackling common societal challenges;
- supporting the Union's external and development policy objectives, complementing external and development programmes. Synergies with other Union policies will be sought.

Cooperation with international programmes to be seen in this context



International Cooperation in H2020 (2)

Open to all participants:

- Industrialised and emerging economies
- Enlargement and neighbourhood countries; and
- Developing countries



International Cooperation in H2020 (3)

Criteria for scale and scope in international cooperation

- Research and innovation capacity
- Access to existing, new or emerging markets
- Contribution to the Union's external policies and international commitments
- Legal and administrative frameworks in place.



Horizon 2020 and partnering

Private public partnerships:

- Joint Technology Initiatives or other formal structures (Art. 187)
- Contractual agreements, which provide inputs for work programmes
- Only when criteria met, e.g. clear commitments from private partners

Public public partnerships:

- « ERA-Nets » for topping up individual calls/actions (replacing current ERA-Net, ERA-Net Plus, Inco-Net, Inno-net)
- Supporting agendas of Joint Programming Initiatives when in line with Horizon 2020, mainly through ERANETs
- Participation in joint programmes between Member States (Art. 185) when scale and scope are relevant

European Innovation Partnerships:

- Not funding instruments, but for coordination with broader policies and programmes



Social Sciences and Humanities

- Early involvement of SSH in priority setting, policy development and implementation (*climate economies, urban planning, sustainable consumption and production, disaster resilience planning etc*)
- SSH will be mainstreamed as an essential element of the activities needed to enhance industrial leadership and tackle societal challenges



Horizon 2020

Sustainable development and climate change



Horizon 2020 proposal

Societal Challenges*

- Health, demographic change and well-being
- Food security, sustainable agriculture, marine and maritime research and the bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and secure societies

**Subject to the outcome of the inter-institutional negotiations*



Mainstreaming of climate and sustainable development objectives

- Climate action and sustainable development supported across the whole of Horizon 2020
- At least **60%** of the overall Horizon 2020 budget should be related to **sustainable development**
- **Climate-related** expenditure should exceed **35%** of the overall Horizon 2020 budget



Climate action, resource efficiency and raw materials*

- **Objective:** achieve a resource efficient and climate change resilient economy and a sustainable supply of raw materials, in order to meet the needs of a growing global population within the sustainable limits of the planet's natural resources
- **Activities:** contributing to increasing European competitiveness and improving well-being, whilst assuring environmental integrity and sustainability, keeping average global warming below 2 °C and enabling ecosystems and society to adapt to climate change

**Subject to the outcome of the inter-institutional negotiations*



Climate action, resource efficiency and raw materials

Broad lines of the activities*

- **Fighting and adapting to climate change**
- **Sustainably managing natural resources and ecosystems**
- **Ensuring the sustainable supply of non-energy and non-agricultural raw materials**
- **Enabling the transition towards a green economy through eco-innovation**
- **Developing comprehensive and sustained global environmental observation and information systems**

**Subject to the outcome of the inter-institutional negotiations*



Ongoing preparatory work - Dir I

- ❑ **Broad stakeholders consultation to identify priorities and strategic areas;**
- ❑ **Identification of high level Advisory Group;**
- ❑ **Inter-institutional consultation to strengthen policy relevance of environment research;**



H2020 and Future Earth Initiative

- **Challenge 5 of H2020 has a very focused challenge- and solution-oriented approach, which may be well in line with Future Earth goals**
- **The mainstreaming of social sciences in H2020 is as well a common feature**
- **H2020 process for Work Programmes preparation: based on the H2020 Specific Programmes, consultation of stakeholders, of DGs, of AG and MS**



H2020 and Future Earth Initiative

- **The Future Earth community among key stakeholders**
- **Partnership within the Belmont Forum**
- **Not feasible a stable FE project funding mechanism – very welcome the clustering and cooperation with H2020 projects**
- **Feasible the funding of coordination activities**
- **Feasible as well ...**



**Thank you for your
attention!**

Find out more:

www.ec.europa.eu/research/horizon2020

*Research and
Innovation*