



Horizon 2020 and International Cooperation in Agricultural Research

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Outline

- 1. H2020 / Societal Challenge 2**
- 2. Communication on International Cooperation in R&I**
- 3. Building a strategy / implementation**
- 4. Conclusions**

Overall Framework

- **H2020 / Societal Challenge 2**

"Food Security, Sustainable Agriculture, Marine and Maritime Research and the Bio economy"

- **Communication COM(2012)497 final :**

"Enhancing and Focusing EU International Cooperation in Research and Innovation: A Strategic Approach"



Horizon 2020

Europe 2020 Priorities

International cooperation

European Research Area

Shared objectives and principles

Tackling Societal Challenges

- Health, demographic change and wellbeing
- Food sec., sust. agri., mar. res. & bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Supply of raw materials, resource efficiency and climate action
- Inclusive, innovative and secure societies

Creating Industrial Leadership and Competitive Frameworks

- Leadership in enabling and industrial technologies (Biotechnology,...)
- Access to risk finance
- Innovation in SMEs

Excellence in the Science Base

- Frontier research (ERC)
- Future and Emerging Technologies (FET)
- Skills and career development (Marie Curie)
- Research infrastructures

Simplified access

Common rules, toolkit of funding schemes

Coherence with other EU and MS actions

Societal Challenge 2

Specific Programme



Activity	Sub-activity
1. Sustainable agriculture and forestry	1.1 Increasing production efficiency and coping with climate change, while ensuring sustainability and resilience
	1.2 Providing ecosystem services and public goods
	1.3 Empowerment of rural areas, support to policies and rural innovation
	1.4 Sustainable forestry, (tbc)
2. Sustainable and competitive agri-food sector for a safe and healthy diet	2.1 Informed consumer choices
	2.2 Healthy and safe foods and diets for all
	2.3 A sustainable and competitive agri-food industry
	2.4. Cross-cutting actions covering the whole activity
3. Unlocking the potential of aquatic living resources	3.1. Developing sustainable and environmentally-friendly fisheries
	3.2. Developing competitive and environmentally-friendly European aquaculture
	3.3 Boosting marine innovation through biotechnology
	3.4 Horizontal activities aiming at boosting Blue Growth
	3.5 Cross-cutting actions covering the whole activity
4. Sustainable and competitive bio-based industries	4.1 Fostering the bio-economy for bio-based industries
	4.2 Developing integrated biorefineries
	4.3. Supporting market development for bio-based products and processes
	4.4 Cross-cutting actions covering the whole activity



Objectives of International Cooperation

- **Strengthening the EU's excellence and attractiveness**
- **Tackling Global Societal Challenges**
- **Supporting the EU's External Policies**

Set of criteria to identify areas of cooperation with EU interest

- **Research and Innovation Capacity**
- **Access to Existing, New or Emerging Markets**
- **Contribution to the EU's International Commitments**
- **Framework in place and Lessons Learned**

Key elements of the new strategy

- Combining **Openness** with more **Targeted Actions**
- **Restricted approach to automatic funding**
- Reinforcing **partnership with the MS**
- Improving the role of the EU in **International Organisations** and **Multilateral Fora**



Scientific areas for International Cooperation

- Long-term strategy to tackle global challenges, in particular **food security**
- **Green growth** (resource efficiency and sustainable production systems)
- Preventing and controlling **pest and diseases**
- Mitigating and adapting to the impacts of **Climate Change**



Building on past experience

Key Figures from FP7

- **581 Third Country Participations** in FP7 projects
- An overall **60 million euros** of financial EU contribution
- **Top 6** ranked Third Countries: US, CN, BR, SA, IN, RU
- Third Country participation in about **50% of FP7 signed contracts**

Scientific topics of policy interest examples

- Improving **standards** and **traceability** in key sectors to increase **food quality and safety**
- **Animal disease management** (biology, impact of new pests, diagnostic tools, risk assessment, etc...)
- Analysing **impacts** of global changes **on rural areas** and **rural-urban issues**
- Analysing global **value chains** and global **modelling**

Areas of policy interest examples

- Exploring ways of improving **global governance** and EU's role vis-à-vis **International Organisations**
- Exploring interest for establishing a **trilateral cooperation** between **EU, Africa and Brazil**
- Encouraging any **initiative from MS** to engage in partnership with the EC towards key regions/countries

Implementation

- H2020 **Work Programmes** & calls for proposals
- **Multi-annual International Cooperation roadmaps** for key partner countries and regions
- **Timeline:** adoption by the **end of the year 2013**

Conclusions

- Challenges call for a **more ambitious research agenda** at all levels
- Need for a **proper coordination at all levels** (between countries, actors and across instruments)
- Ensure a **better programming** of research along the implementation of H2020 – **optimise delivery**

Thank you !



EDCTP (Art 185)



- The European and Developing Countries Clinical Trials Partnership = **partnership** between 14 MS, Switzerland, Norway and sub-Saharan African countries aimed at tackling **HIV/AIDS, tuberculosis and malaria**
- By end 2011: approximately EUR **356 million** (including co-funding) for 196 projects, over 300 fellowships and 57 clinical trials
- Total EU contribution to EDCTP is 200 mill EUR

EIP

Closing the Innovation Gap

