The Plant Biology Europe FESPB/EPSO Congress Dublin 23 June 2014

European Commission
DG Research & Innovation

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Horizon 2020, 2014-2020: What's new

- A **single programme** bringing together three separate programmes/initiatives: the 7th research Framework Programme (**FP7**), innovation aspects of Competitiveness and Innovation Framework Programme (**CIP**), EU contribution to the European Institute of Innovation and Technology (**EIT)**, single set of rules to participation
- **More innovation**, from research to retail, all forms of innovation
- **Focus on societal challenges** facing EU society, e.g. health, food security, transport, bringing different actors together to find solutions
- **Simplification**: new simplified rules of participation with a reduced number of funding schemes, a single web portal

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Three priorities:

- *Excellent science*
- *Industrial leadership*
- *Societal challenges*

SC2 - Food security, sustainable agriculture and forestry, marine and maritime and inland water research, and the bioeconomy

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1: Excellent science

European Research Council Frontier research by the best individual teams
Future and Emerging Technologies Collaborative research to open new fields of innovation
Marie Curie actions Opportunities for training and career development
Research infrastructures (including e-infrastructure) Ensuring access to world-class facilities

2: Industrial leadership

Leadership in enabling and industrial technologies (ICT, nanotechnologies, materials, biotechnology, manufacturing, space)
Access to risk finance Leveraging private finance and venture capital for research and innovation
Innovation in SMEs Fostering all forms of innovation in all types of SMEs

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3: Societal challenges

Health, demographic change and wellbeing
Food security, sustainable agriculture, marine and maritime resources & the bioeconomy
Secure, clean and efficient energy
Smart, green and integrated transport
Climate action, resource efficiency and raw materials
Europe in a changing world - Inclusive, innovative and reflective societies ***Secure societies – Protecting freedom and security of Europe and its citizens***

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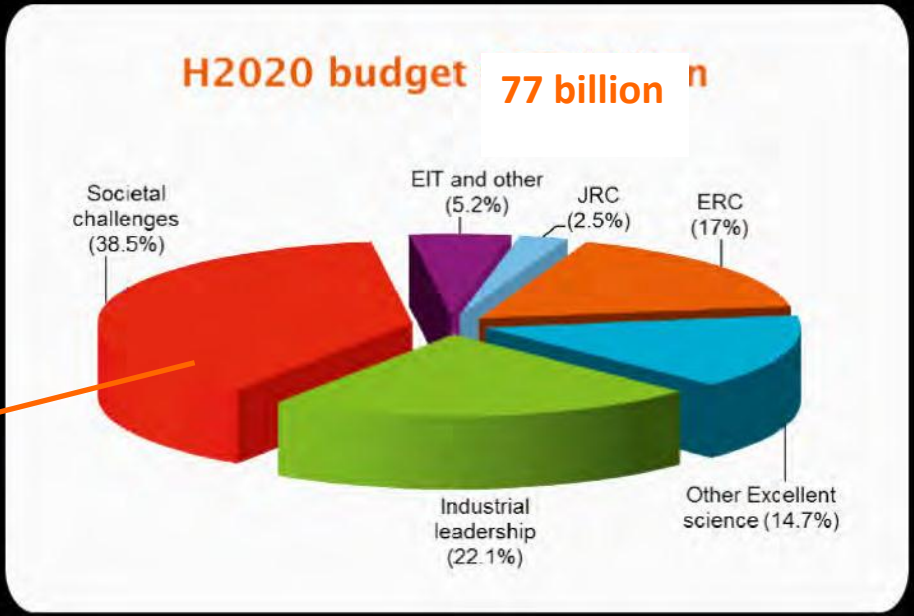
THE EU FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020



Budget for SC2: €3,8 billion = More than double of budget under FP7

Biggest EU investment in Research and Innovation

Research and Innovation

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Societal Challenge 2: Food Security, Sustainable Agriculture and Forestry, Marine and Maritime and Inland Water Research and the Bioeconomy

Activities:

- Agriculture and forestry
- Agri-food sector for a safe and healthy diet
- Aquatic living resources
- Bio-based industries and bioeconomy
- Marine and maritime research

New approach to work programmes and calls

- **More strategic**
- **More emphasis on innovation**
- **Cross-cutting issues, multidiscipinary**
- **Two year work programmes**
  (2014-2015: > € 15 billion)
- **Less prescriptive calls**
  Broader and fewer topics, no outline of expected solutions or approach
- **Topic structure:**

  Specific Challenge / Scope / Expected Impact / Type of Action

Type of Actions / Support mechanisms

RIA: *Research & Innovation Action*

IA: *Innovation Action*

Prototyping, testing, demonstrating, piloting,…

CSA: *Coordination & Support Action*

SME instrument: *3-phase instrument (feasibility study, innovation project, indirect support for commercialisation)*

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SC2, WP 2014-2015: 3 calls

Sustainable Food Security

- Sustainable food production systems
- Safe food and healthy diets and sustainable consumption
- Global drivers of food security

Blue Growth: unlocking the potential of Seas and Oceans

- Sustainably exploiting the diversity of marine life
- New offshore challenges
- Ocean observation technologies/systems
- Horizontal aspects, socio-economic sciences, engagement with society,…

Innovative, Sustainable and Inclusive Bioeconomy

- Sustainable agriculture and forestry
- Sustainable and competitive bio-based industries
- Cross-cutting actions covering all the activities

SC2, WP 2014

SFS 2014:	16 topics
Indicative budget:	138 million euros
BG 2014:	11 topics
Indicative budget:	59 million euros 100 million with other SC
ISIB 2014:	11 topics
Indicative budget:	44,5 million euros

Timetable for call 2014

Publication date:	11/12/2013
Single stage evaluation:	deadline 26/06/2014
Two stage evaluation:	first stage:12/03/2014
	second stage 26/06/2014

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