Horizon 2020: Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy

Stefano BISOFFI – **Consiglio per la Ricerca e la sperimentazione in Agricoltura**

**Presentazione basata su documenti della CE (DG R&I; Elisabetta Balzi)
e di Fabio Fava, UniBO, Rappresentante nazionale, Comitato di programma SC2**

THE EU FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

FP
CIP
EIT

A new programme bringing R&I together under one roof

Research and Innovation

Horizon 2020

European Commission
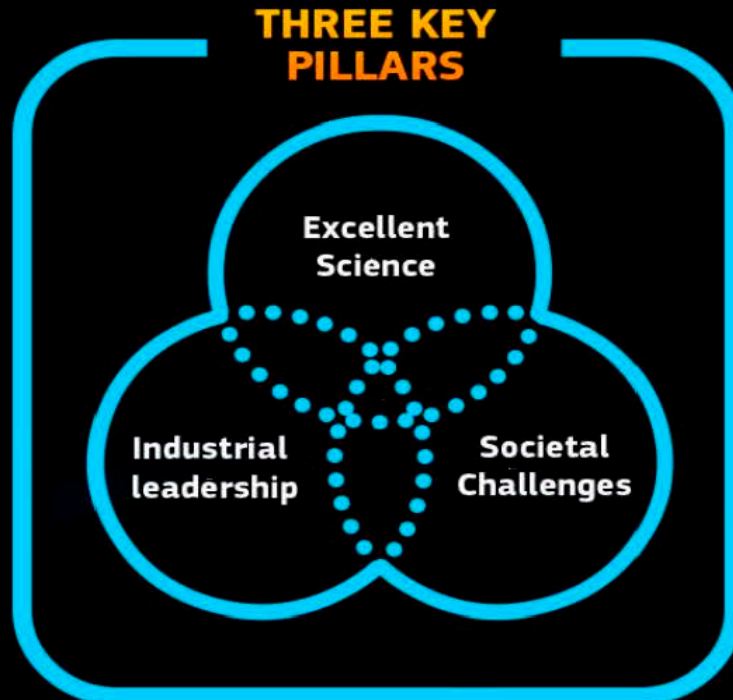
ERC: Ricerca di base

MSCA: Mobilità ric.

FET: Tecnologie avanzate

RI : Infrastrutture

Euratom

Excellent Science

Societal Challenges

EIT

Industrial Leadership

JRC

EIT: Tecnologie industriali

RF: Finanz. rischio impresa

SME: PM Imprese

1. **Salute, demografia, benessere**

2. **Cibo, agricoltura, selvicoltura, pesca, mare e bio-economia**

3. **Energia sicura, pulita e efficiente**

4. **Trasporto intelligente**

5. **Clima e risorse**

6. **Società solidali**

7. **Società sicure**

Research and Innovation

Linking EU Strategies with H2020

Europe 2020

5 Targets

- R&D&I: 3% of GDP
- Education: Drop-out <10%; 40% univ.deg. 30-34 y.old
- Climate change/Energy: GHG: -20%; Energy: 20% renwables Energy efficiency: +20%
- Employment: 75% between 20- 64 y.
- Poverty/Social exclusion: -20 M people in poverty or social exclusion

7 Flagship Initiatives

- **Smart Growth**
- **Sustainable Growth**
- **Inclusive Growth**

- Digital agenda for Europe
- **Innovation Union**
- Youth on the move
- Resource efficient Europe
- Industrial policy for the globalisation era
- Agenda for new skills & jobs
- Platform against poverty

Key Initiatives
(34 Action Points)

- Promoting excellence in education and skills development
- Delivering the European Research Area
- **Focusing EU funding instruments on Innovation Union priorities**
- Pooling forces to achieve breakthroughs: **European Innovation Partnerships**
- **Enhancing access to finance for innovative companies**
- Creating a single innovation market
- Promoting openness and capitalising on Europe's creative potential
- Spreading the benefits of innovation across the Union
- Increasing social benefits
- **Promoting the European Institute of Innovation and Technology (EIT) as a model of innovation governance in Europe**
- Leveraging our policies externally
- Measuring Progress
- Reforming research and innovation systems

Priority 3.
Societal challenges

€7 472 million — HORIZON 2020 — THE EU FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION — Better health for all

€3 851 million — ...al resources ...ble growth

€5 931 million — ...nt energy

€6 339 million — Smart, green & integrated transport

€3 081 million — ..., resource ...rials

€1 310 million — ...vative ...ieties

€1 695 million — Natural hazards

Tackling societal challenges for a better society

1. Health, demographic change and wellbeing
2. Food security, sustainable agriculture and forestry, marine and maritime and inland water research, and the bioeconomy
3. Secure, clean and efficient energy
4. Smart, green and integrated transport
5. Climate action, resource efficiency and raw materials
6. Inclusive, innovative and reflective societies
7. Secure societies

HORIZON 2020

HORIZON 2020 BUDGET (EUR 78.6 billion, current prices)

Industrial Leadership
EUR 17.0 billion

Societal Challenges
EUR 29.7 billion
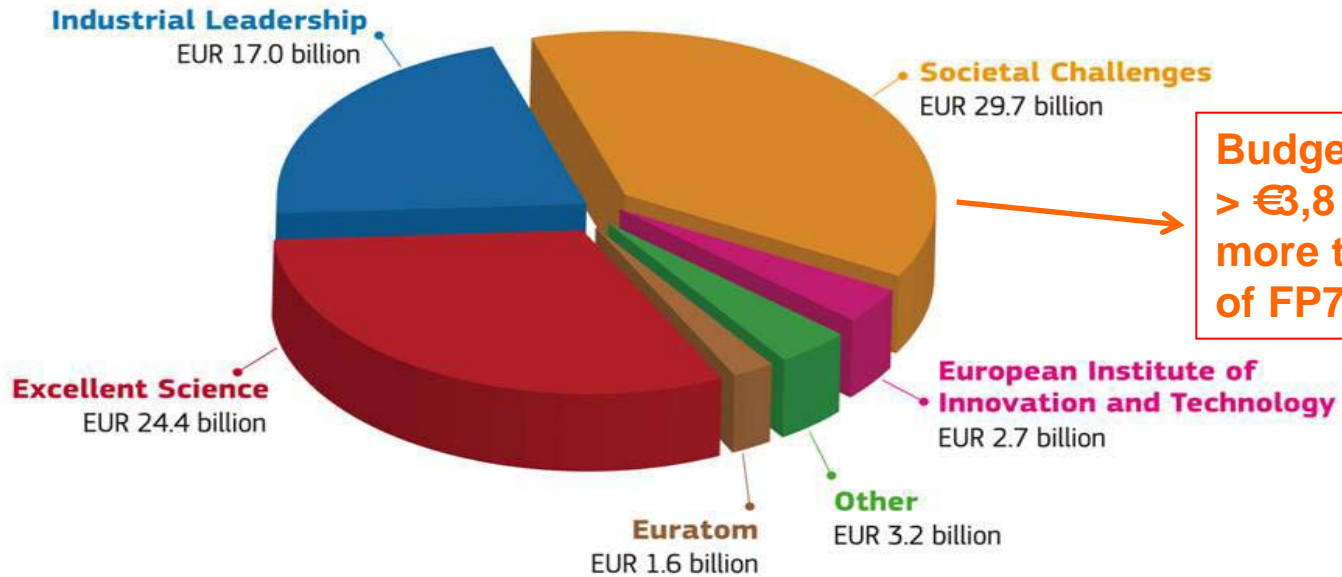
**Budget for SC2:
> €3,8 billion
more than double
of FP7 budget**

Excellent Science
EUR 24.4 billion

**European Institute of
Innovation and Technology**
EUR 2.7 billion

Euratom
EUR 1.6 billion

Other
EUR 3.2 billion

Biggest EU investment in Research and Innovation

Research and Innovation

Horizon 2020

Societal Challenge 2

Objectives and Activities

Research
and
Innovation

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

Objectives:

- **Sufficient** supplies of safe and high **quality** food and bio-based products,

- Productive and resource-**efficient** primary production systems,

- **Competitive** and **low carbon** supply chains.

Making the best from our biological resources
accelerating the transition to a sustainable European bioeconomy

EU Bioeconomy Strategy

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
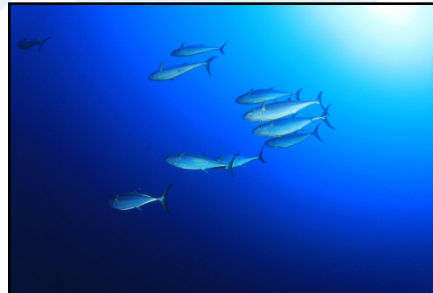
Activity 2.1. Sustainable Agriculture and Forestry

- 2.1.1. Increasing **production** efficiency, coping with **climate change**, while ensuring **sustainability and resilience**

- 2.1.2. Providing **ecosystem services** and public goods

- 2.1.3. Empowerment of **rural areas**, support to policies and rural innovation

- 2.1.4. Sustainable **Forestry**

European Commission

Activity 2.1. Sustainable Agriculture and Forestry

Main challenges/ Orientations

more **efficient production systems** (crops, livestock, wood)

innovative technologies for more **efficient use of inputs**

improved plant and animal **health**

innovative plant & animal **breeding**

wiser use of natural resources (biodiversity, ecosystems)

climate change **mitigation and adaptation** practices (GHGs)

ecological intensification approaches (conventional & organic)

relation between urban and rural areas

support to EU **policies** (CAP; Environment; Food)

Activity 2.2 Sustainable and competitive agri-food sector for a safe and healthy diet

- 2.2.1. Informed **consumer choices**

- 2.2.2. **Healthy and safe foods** and diets for all

- 2.2.3. A sustainable and competitive **agri-food industry**

Activity 2.2 Sustainable and competitive agri-food sector for a safe and healthy diet

Main challenges/ Orientations

Achieving food **safety** and **security**;

Decreasing the burden of food- and diet-related **diseases**;

Reducing **water and energy** consumption;

Reducing **food waste**;

Activity 2.3. Unlocking the potential of aquatic living resources

- 2.3.1. Developing sustainable and environmentally-friendly **fisheries**

- 2.3.2. Developing competitive and environmentally-friendly **European aquaculture**

- 2.3.3. Boosting **marine and maritime innovation** through biotechnology
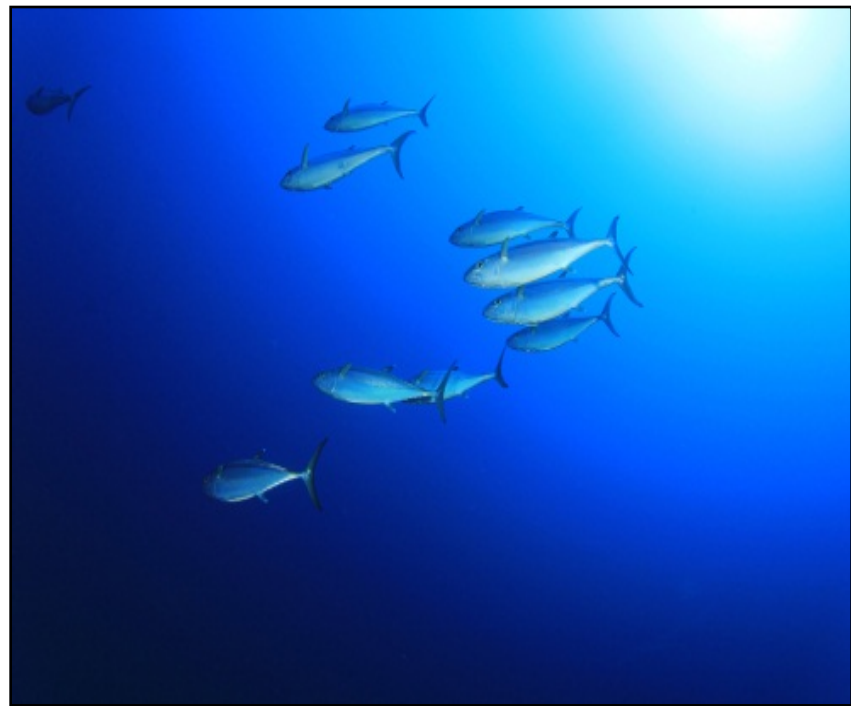
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European Commission

Activity 2.4. Sustainable and competitive bio-based industries and bioeconomy

Full title: Activity 2.4. Sustainable and competitive bio-based industries and supporting the development of a European bioeconomy

2.4.1. Fostering the **bioeconomy** for **bio-based industries**

2.4.2. Developing integrated **biorefineries**

2.4.3. Supporting **market development** for bio-based products and processes

Most activities related to sustainable and competitive bio-based industries as defined in the Horizon 2020 Specific Programme will be implemented through the Joint Technology Initiative (JTI) on Bio-based Industries.

Activity 2.4. Sustainable and competitive bio-based industries and bioeconomy

Main challenges/ Orientations

Discovery and exploitation of **biological resources** for biomass

Development of biobased **products** and biologically active **compound**:

Supporting **market development** for bio-based products. Opening new markets for innovation:

European Commission

Activity 2.5. Cross-cutting marine and maritime research

2.5.1. **Climate change impact** on marine ecosystems and maritime economy

2.5.2. Developing the potential of **marine resources** through an integrated approach

2.5.3. Cross-cutting concepts and technologies **enabling maritime growth**

HORIZON 2020

European Commission

Activity 2.5. Cross-cutting marine and maritime research

Main challenges/ Orientations

Sustainably exploiting the diversity of marine life

The new offshore challenge

Sea bed mining

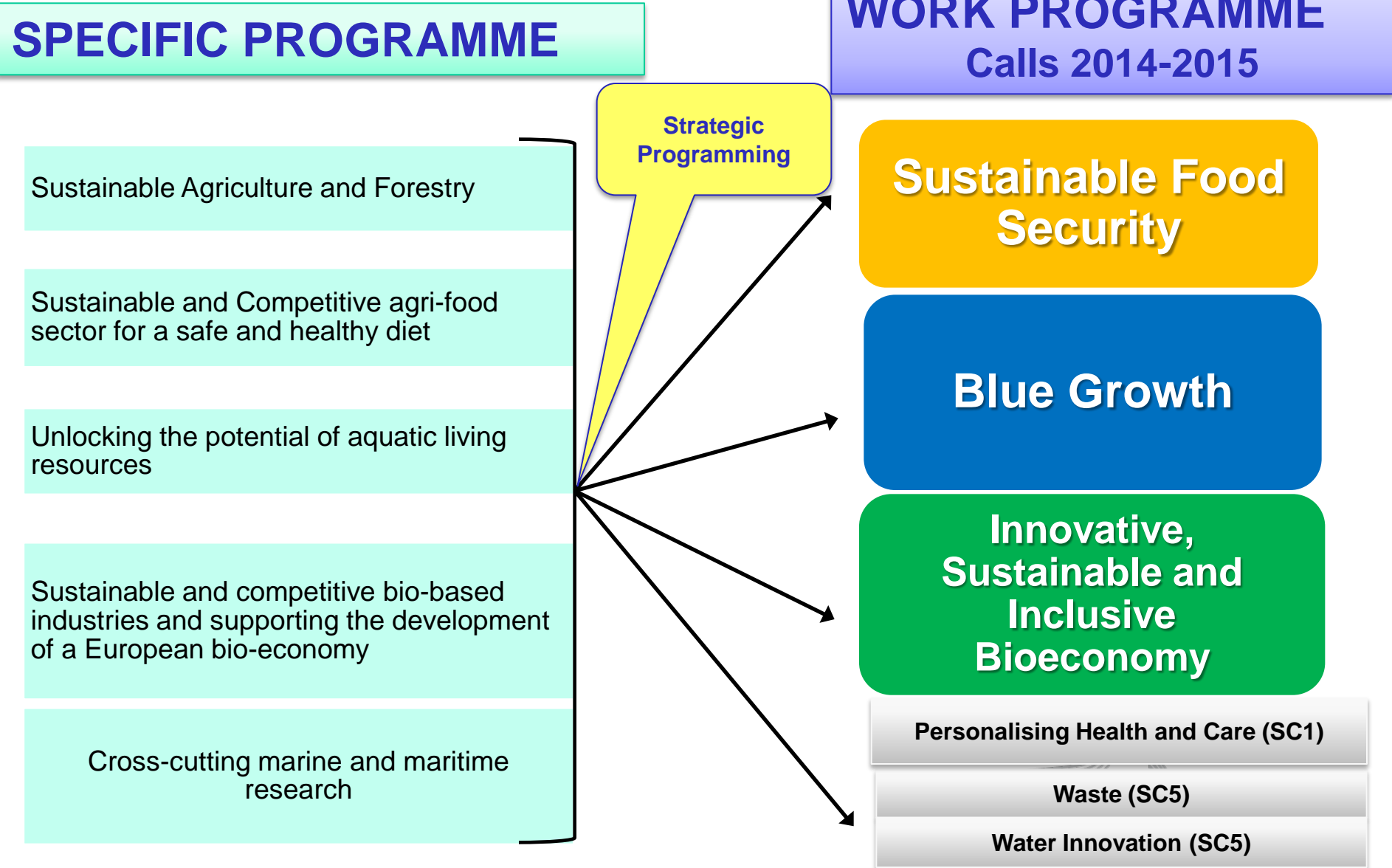**Ocean observation technologies/system**

Horizon 2020

Societal Challenge 2

Workprogramme and calls 2014-2015

Implementing H2020 SC2

From Specific Programme to Work Programme 2014-2015

SPECIFIC PROGRAMME

WORK PROGRAMME
Calls 2014-2015

Sustainable Agriculture and Forestry

Sustainable and Competitive agri-food sector for a safe and healthy diet

Unlocking the potential of aquatic living resources

Sustainable and competitive bio-based industries and supporting the development of a European bio-economy

Cross-cutting marine and maritime research

Strategic Programming

Sustainable Food Security

Blue Growth

Innovative, Sustainable and Inclusive Bioeconomy

Personalising Health and Care (SC1)

Waste (SC5)

Water Innovation (SC5)

SC2: Sustainable Food Security Call

Examples of topics:

1. Sustainable food production systems

- SFS-1-2014/2015: Sustainable terrestrial livestock production
- SFS-2-2014/2015: Sustainable crop production
- SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing   SME instrument
- SFS-9-2014: Towards a gradual elimination of discards in European fisheries

2. Safe food and healthy diets and sustainable consumption

- SFS-12-2014: Assessing the health risks of combined human exposure to multiple food-related toxic substances
- SFS-13-2015: Biological contamination of crops and the food chain
- SFS-14-2014/2015: Authentication of food products
- SFS-15-2014: Proteins of the future
- SFS-16-2015: Tackling malnutrition in the elderly
- SFS-17-2014: Innovative solutions for sustainable novel food processing - **IA**

3. Global drivers of food security

- SFS-19-2014: Sustainable food and nutrition security through evidence based EU agro-food policies

SC2: Blue Growth Call

Sustainably exploiting the diversity of marine life

- BG1-2015: Atlantic marine ecosystems
- BG2-2015: Effects of climate change on F&A
- BG3-2014: Novel marine biomolecules
- BG4-2014: Potential of marine derived enzymes _ **IA**

New offshore challenges

- BG5-2014: Innovative offshore economy
- BG6-2014: Sub-sea technologies
- BG7-2015: Response capacities to oil spills and marine pollutions

Ocean observation technologies/systems

- BG8-2014:Atlantic Ocean observation
- BG9-2014: Acoustic and imaging technologies

Horizontal aspects

- BG10-2014: Competitiveness of Seafood markets
- BG11-2014: Monitoring, disseminating and valorizing research outputs
- BG12-2014/2015: Market replication of innovative solutions for blue growth -SME instrument
- BG13-2014: Ocean literacy
- BG14-2014: Atlantic Ocean Cooperation Research Alliance
- BG15-2014: Polar research
- BG16: JPI Oceans CSA

SC2: Innovative, Sustainable and Inclusive Bioeconomy Call

Sustainable Agriculture and Forestry

- ISIB-1-2014: Provision of public goods by EU agriculture and forestry: Putting the concept into practice
- ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange
- ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation
- ISIB-4-2014/2015: Improved data and management models for sustainable forestry

Sustainable and competitive bio-based industries

- ISIB-5-2014: Renewable oil crops as a source of bio-based products
- ISIB-6-2015: Converting CO_2 into chemicals
- ISIB-7-2014: Public procurement networks on innovative bio-based products

Cross-cutting actions covering all activities

- ISIB-8-2014: Towards a sustainable Bioeconomy (Communication and dissemination activities)
- ISIB-9-2014 to ISIB-14-2014/2015: Support to ERANETS and JPIS

Implementing H2020 SC2
Specificities of the new Work Programme
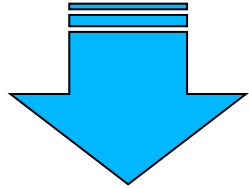
TOPICS reflect
the challenge-based H2020 approach

- **Specific Challenge**
  - sets the context, the **problem** to be addressed, **why** intervention is necessary

- **Scope**
  - delineates the problem, specifies the focus and the boundaries of the potential action BUT without overly describing specific approaches

- **Expected Impact**
  - describe the key elements of what is **expected to be achieved** in relation to the specific challenge

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SC2: WP 2014-2015

Types of actions:

- 29 Research and Innovation Actions
- 2 Innovation actions

→ *Two-stage*

- 13 Coordination and Support actions
- 1 ERANET Cofund *(but 6 possible ERANETS)*

→ *Single-stage*

- 2 SME instrument   → *multiple deadlines*

Budget

CALLS	2014	2015
Sustainable Food Security	138 M€	110,5 M€
Blue Growth	100 M€	45 M€
Innovative, Sustainable and Inclusive Bioeconomy	44,5 M€	42 M€
M €	282,5	197,5

HORIZON 2020

European Commission

Horizon 2020 SC2 : Calendar

Publication of first calls: 11 December 2013

Calendar of Deadlines in 2014 and 2015:

- **Single-stage** (CSAs, ERANETs):
  2014: 26/06/2014
  2015: 11/06/2015

- **Two-stage** (RIA, IA):
  2014: 12/03/2014   and   26/06/2014
  2015: 24/02/2015   and   11/06/2015

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BETA VERSION 4

Calls

Horizon 2020

COSME

Search Topics

Call Updates

Other Funding Opportunities

Previous Framework Programmes (FP7 & CIP)

SEARCH TOPICS

FUNDING GUIDE

Search keywords: climate change   **Search**

Horizon 2020 predefined criteria:

Cross-cutting Key-Enabling Technologies (KETs) ⓘ   International cooperation ⓘ
ERA-NET ⓘ   SME Instrument ⓘ
Gender ⓘ   Socio-economic science and Humanities ⓘ

3 results   **Filter options:**   ◉ Open calls   **Sort by:**   ○ Publication date   ○ Title
      ○ Closed calls   ◉ Deadline   ○ Call ID
      ○ Forthcoming calls

Topic: **SFS 7 - 2014: Optimising external nutrient inputs in intensive crop production systems in Europe**

European crop production is facing more and more difficulties in remaining competitive in the global market for many reasons. One of these reasons is certainly the high cost of external nutrient inputs necessary
More…

Call title: Sustainable Food Security   Status: **Open**

Call identifier: **H2020-SFS-2014/2015**   Deadline: **2014-03-18**

Topic: WATER 2 – 2014/2015: Integrated approaches to water and climate change

The rising demands of a growing world population for food, water, materials and energy will put increasing pressures on land use, water resources and ecosystems. Energy consumption is expected to increase,
More…

Call title: Water Innovation: Boosting its value for Europe   Status: **Open**

Call identifier: H2020-WATER-2014/2015   Deadline: **2014-03-18**

Topic: **WATER 5 – 2014/2015: Strengthening international R&I cooperation in the field of water**

Developing countries, especially in Africa, are facing serious challenges for sustaining its development. Sustainable water supply and sanitation is fundamental to the food security, health, survival
More…

Call title: Water Innovation: Boosting its value for Europe   Status: **Open**

Call identifier: **H2020-WATER-2014/2015**   Deadline: **2014-03-18**

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Calls

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Call Updates

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HORIZON 2020 CALLS

FUNDING GUIDE

Call: Water innovation: boosting its value for Europe

Topic: *Bridging the gap from innovative water solutions to market replication*

WATER 1 – 2014/2015

| Topic Description | Topic Conditions | Call Documents | Submission Service |

Specific challenge: One of the main factors hampering the market uptake of innovative solutions in the field of water is the lack of real scale demonstration of their long term viability. In addition, highly promising and advanced eco-innovative water technologies, processes, products and services often do not reach the market due to pre-commercialisation challenges and the residual risk linked to scaling-up. The first Strategic Implementation Plan of the European Innovation Partnership (EIP) on Water has identified as priority areas: water reuse and recycling; water and wastewater treatment, including recovery of resources; water and energy integration; flood and drought risk management; and the role of ecosystem services in the provision of water related services.

Scope: Actions should address one or more of the following:

- demonstration/pilot activities of new or improved innovative water solutions (technologies, processes, products and/or services) in a real environment
- the first application and market replication of near commercial water solutions.

They should focus on the priorities identified in the first Strategic Implementation Plan of the European Innovation Partnership (EIP) on Water, and/or helping process industries become less water dependant while ensuring efficient management of other resources (e.g. raw materials and energy), and/or exploiting untapped potential of ICT by developing and deploying advanced ICT solutions for water resources management in agriculture and urban areas.

Expected impact: Wide and fast deployment of eco-innovation in the water sector in line with the priority areas of the EIP 'Water'. Support to the objectives of the Sustainable Process Industries Public-private Partnership (SPIRE PPP), in particular helping process industries to view water as a highly valuable asset rather than a consumable. Market penetration, long-term application and sustained use of successful solutions by various end-users, and creation of new market opportunities both inside and outside Europe. Increased resource efficiency and environmental performance of the water sector, through synergies between public water authorities, water utilities, various economic sectors, big companies, SMEs and research organisations.

Type of action: Innovation actions (70%)

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HORIZON 2020 CALLS

FUNDING GUIDE

Call: Water innovation: boosting its value for Europe

Topic: *Bridging the gap from innovative water solutions to market replication*

WATER 1 – 2014/2015

| Topic Description | Topic Conditions | Call Documents | Submission Service |

Topic Conditions

Eligibility conditions – The standard eligibility conditions apply. Please read carefully these provisions before the preparation of your application.

Evaluation criteria – The standard evaluation criteria apply. Please read carefully the provisions before the preparation of your application.

Evaluation procedure – Please read carefully the standard evaluation procedure provisions before the preparation of your application.

Proposal page limits and layout: **10 pages**

Applicants must ensure that proposals confirm to the **page limits and layout** given in the Guide for Applicants (see Call Documents), and in the proposal part B template available through the electronic Submission Services of the Commission.

The Commission will instruct experts to disregard any pages exceeding these limits.

The minimum font size allowed is 11 points. The page size is A4, and all margins (top, bottom, left, right) should be at least 15mm (not including any footers or headers).

Topic	Evaluation results (single or first stage)	Evaluation results (second stage)	Indicative date for signing of grant agreements
Water 1		Maximum 6 months after the deadline	Maximum 9 months after the deadline

Should the call publication postponed, the dates in this table should be adjusted accordingly.

Consortia agreements: In line with the Rules for Participation and the Model Grant Agreement, participants in

Horizon 2020: EXPERTS

RESEARCH & INNOVATION

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Experts

H2020 ONLINE MANUAL

Join the database of independent experts for European research and innovation.

The European Commission appoints independent experts to assist with research and innovation assignments including the evaluation of proposals, monitoring of projects, and evaluation of programmes, and design of policy.

News

H2020 call for expression for interest for experts (11/2013) New calls for expression of interest for individual experts and for organisations to suggest experts were just published in OJ C342 of 22 November 2013. European Commission will soon need experts to evaluate first Horizon 2020 proposals. Don't forget to tick the H2020 box in the registration platform and update your expertise.

New experts

Who can be an expert?

You have a chance of being selected as an expert if you:

- have high-level of expertise in the relevant fields of research and innovation (see call for details on types of expertise).
- can be available for occasional, short-term assignments

REGISTER AS EXPERT

What do expert assignments involve?

Experts, as peer reviewers, assist in the:

- **evaluation** of proposals
- **monitoring** of actions

In addition, experts assist in the :

- **preparation, implementation or evaluation of programmes** and **design** of **policies**.

Quick Links

Horizon 2020: Evaluation of proposals

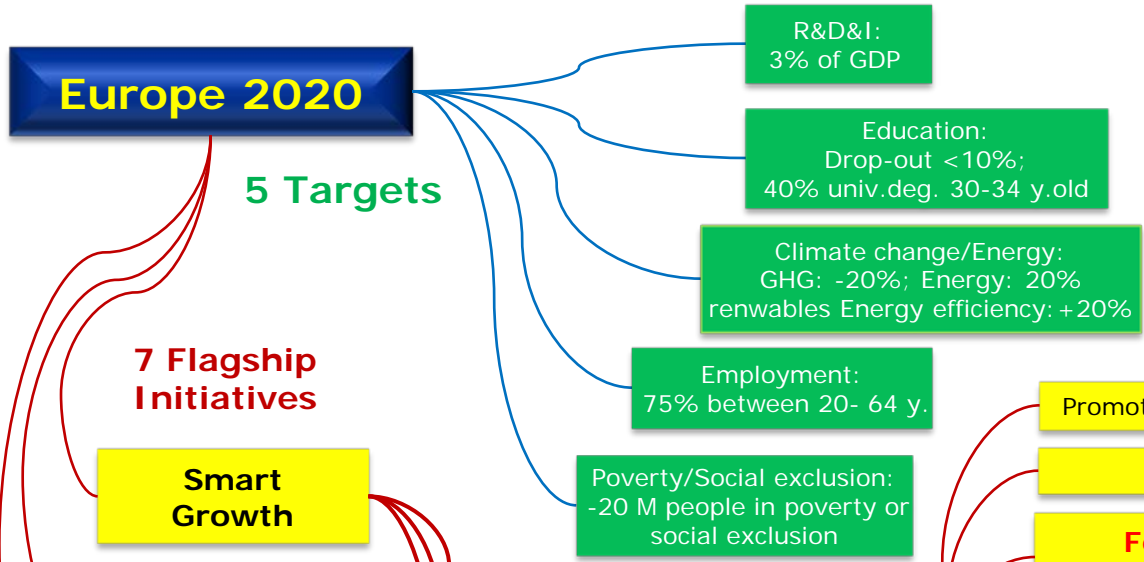## STANDARD AWARD CRITERIA

| EXCELLENCE | IMPACT | QUALITY & EFFICIENCY OF THE ACTION |

✓ **First phase** ▶ only EXCELLENCE and IMPACT

✓ **ERC** frontier Research actions ▶ only EXCELLENCE

✓ **Innovation actions** ▶ higher weighting for "IMPACT"

HORIZON 2020

European Commission

Linking EU Strategies with H2020

Europe 2020

5 Targets

- R&D&I: 3% of GDP
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- Agenda for new skills & jobs
- Platform against poverty

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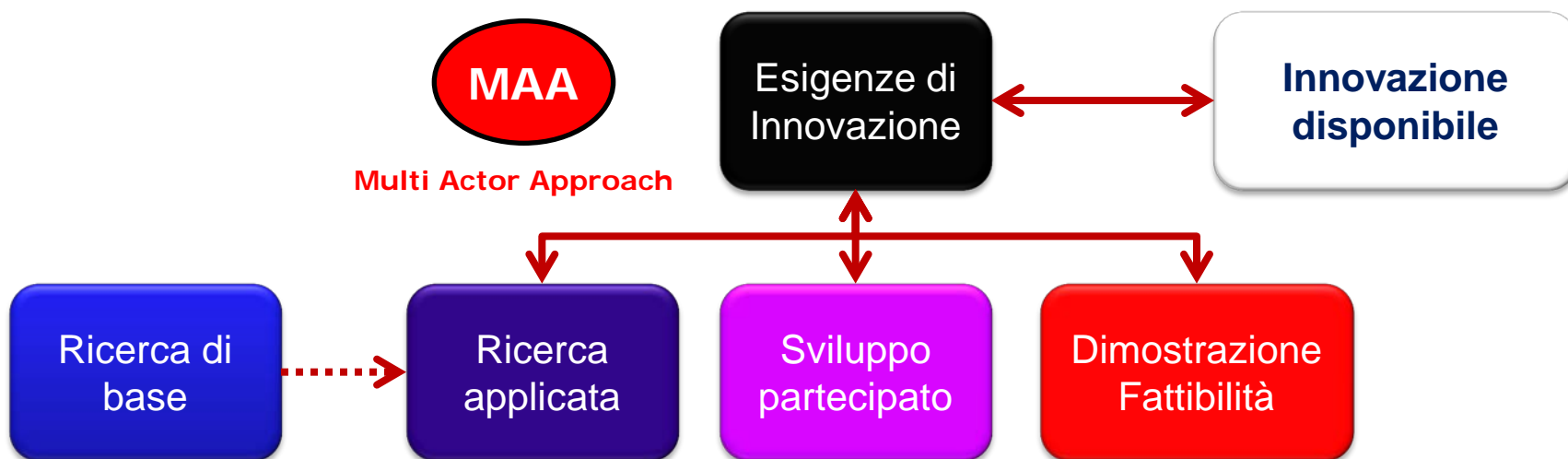- Increasing social benefits
- **Promoting the European Institute of Innovation and Technology (EIT) as a model of innovation governance in Europe**
- Leveraging our policies externally
- Measuring Progress
- Reforming research and innovation systems

Cambio di paradigma

HORIZON 2020 (2014-2015)

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

Sustainable Food Security - SFS

2014

2015

MAA

Multi Actor Approach

CGr

Cascading Grants

SFS 8 - Resource-efficient eco-innovative food production and processing (SME)

feasibility study → *innovation projects* → *indirect support measures and services* --- Access to risk financing

SME

SFS 1 – Sustainable terrestrial livestock production

Genetics and nutrition and alternative feed sources for terrestrial livestock production 中国 MAA

Tackling losses from terrestrial animal diseases 中国

Assessing sustainability of terrestrial livestock production MAA

MAA

External nutrient inputs

SFS 2 – Sustainable crop production

Assessing soil-improving cropping systems MAA

Native and alien pests in agriculture and forestry MAA

SFS 3 - Practical solutions for native and alien pests affecting plants

EU-China cooperation on IPM in agriculture 中国

SFS 5 - Strategies for crop productivity, stability and quality
CGr MAA

SFS 6 - Sustainable intensification pathways of agro-food systems in Africa - CSA

Agriculture

SFS 4 - Soil quality and function
中国 MAA

Management and sustainable use of genetic resources

SFS 7 - Genetic resources and Agricultural diversity for food security, productivity and resilience

Traditional resources for agricultural diversity and the food chain MAA

Food & Diets

SFS 12 - Assessing the health risks of combined human exposure to multiple food- related toxic substances

SFS 13 - Biological contamination of crops and the food chain 中国 MAA

Authentication of olive oil

SFS 14 – Authentication of food products

Authentication of food products

SFS 15 - Proteins of the future

SFS 16 – Tackling malnutrition in the elderly

SFS 17 - Innovative solutions for sustainable novel food processing technologies – Innovation action

SFS 18 - Small farms but global markets: the role of small and family farms in food and nutrition security

Strengthening the analytical capacity on food and nutrition security

SFS 19 - Sustainable food and nutrition security through evidence based EU agro- food policies

Understanding relevant issues impacting the agro-food sector

SFS 20 - Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement MAA

Fish

Scientific basis and tools for preventing and mitigating parasitic diseases of European farmed fish

SFS 10 - Tackling disease related challenges and threats faced by European farmed aquatic animals

Scientific basis and tools for preventing and mitigating farmed mollusc diseases

SFS 9 - Towards a gradual elimination of discards in European fisheries

Optimizing space availability for European Aquaculture

SFS 11 - Implementation of a Ecosystem-based approach for European aquaculture

Consolidating the environmental sustainability of European aquaculture

HORIZON 2020

European Commission

Italian Delegation for the SC2: objectives, composition and strategy

European Commission

SC2 Italian Delegation Objectives

To facilitate the participation of Italian public and private R&D&I performers (but also services and the society) in SC2 calls and to make it more successful, by providing information, promoting aggregation and supporting topics that might entail a successful Italian participation.

Italian participation in KBBE FP7 calls (MIUR data, on 2007-2012 period)

	Overall	with IT in	% with IT in	IT Position
No. proposals submitted	2936	1660	56	3
No. proposals granted	502	313	62	4

	Overall assigned	Assigned to IT	% assigned to IT	IT Position
Budget (€ M)	1755	129	7	6

	Overall	Granted	% on all granted	IT Position
IT Coordination	427 (2% SME)	27	6	6

SC2 Italian Delegation strategy: composition

Representatives:

❖Prof. **Fabio Fava**, Università di Bologna, Bologna
❖Dott. **Stefano Bisoffi**, CRA, Roma *(Alternate)*

Experts:
❖Dott.ssa **Marina Montedoro**, Min. Agriculture & JPI FACCE
❖Ing. **Giuseppina Monacelli**, ISPRA & Min. Environment & JPI Water
❖Dott.ssa **Marina Leonardi**, ENEA & Min Economical Dev, Roma
❖Dott. **Daniele Rossi**, Federalimentare & Confindustria, Roma
❖Dott.ssa **Giovina Ruberti**, CNR Roma & JPI HDHL
❖Ing. **PierPaolo Campostrini**, CORILA Venezia & JPI Ocean
❖Dott. **Pierfrancesco Moretti**, CNR, Brussels & JPI Ocean
❖Dott.ssa **Catia Bastioli**, Bioeconomy Panel, European Commission

NCP
❖Dott.ssa **Serena Borgna**, APRE, Roma
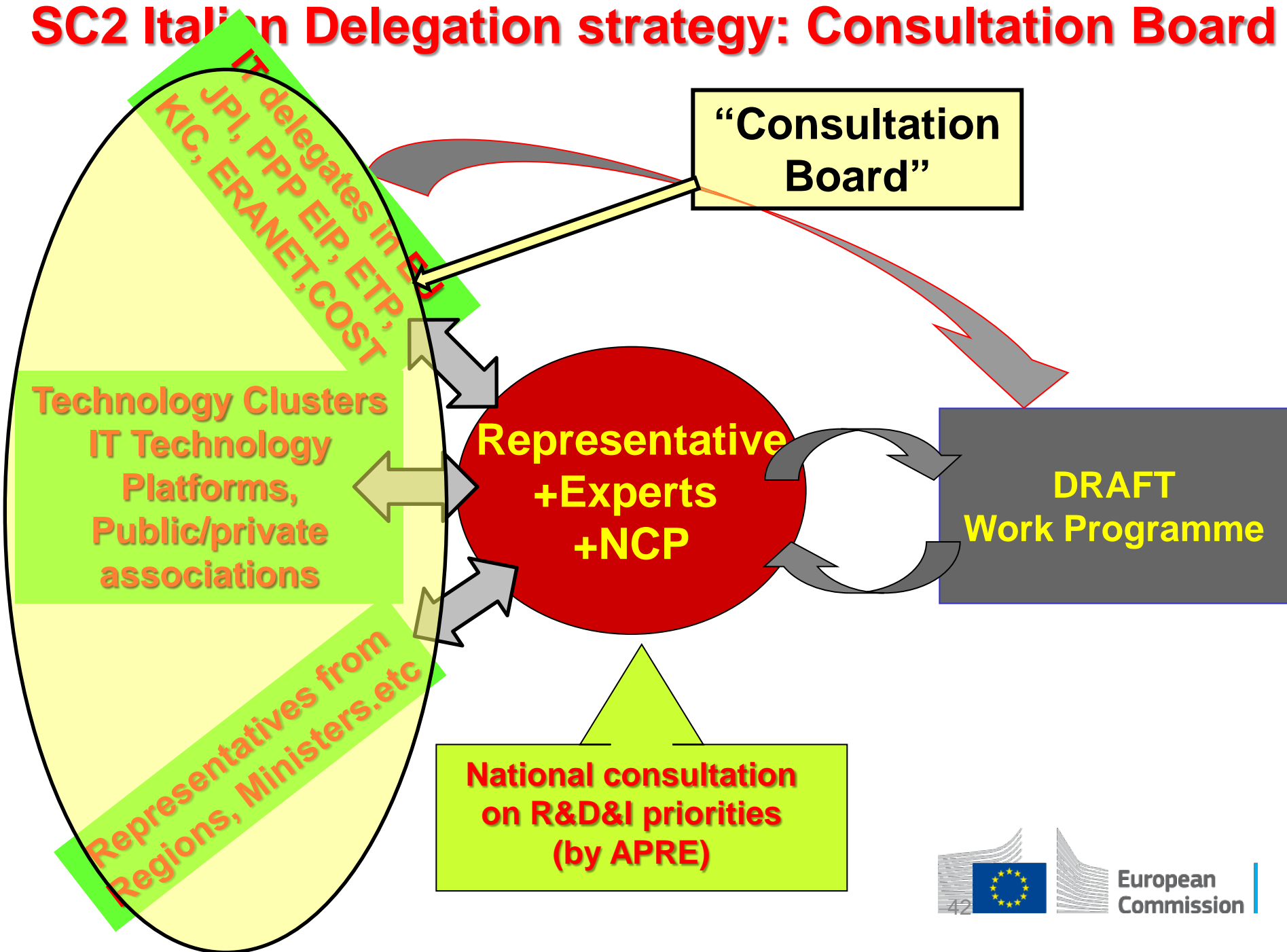❖Dott.ssa **Chiara Pocaterra**, APRE, Roma

European Commission

Major Representative's role and activities

❑ Participating in the Programme Committee meetings (EU commission);

❑ Contributing to shaping content priorities in the relevant Work Programmes;

❑ Making the meeting reports available to all Representatives, Experts;

❑ Actively passing on important information to players in Italy (national, regional, sectorial);

❑ Participating in the draft of the national research plan (PNR)

❑ Participating in the regular exchange of the Representative for Horizontal Issues in H2020 (e.g. gender, open access);

Expert's role and activities

❑ Participating in the Programme Committee meetings if items on the agenda require the Experts' specific expertise and/or if an added value for supporting the Italian delegation can be expected;

❑ Supporting the Representatives both with regard to content issues, and – by mutual agreement – also with regard to technical-administrative issues (e.g. participating in reporting, or in organising events)

❑ Actively passing on important information to players in Italy (national, regional, sectorial);

SC2 Italian Delegation strategy: Consultation Board

IT delegates in BS

JPI, PPP EIP, ETP, KIC, ERANET,COST

Technology Clusters IT Technology Platforms, Public/private associations

Representatives from Regions, Ministers.etc

"Consultation Board"

Representative +Experts +NCP

DRAFT Work Programme

National consultation on R&D&I priorities (by APRE)

European Commission

Current IT SC2 "Consultation Board" composition
(open to other relevant organizations, associations, etc.)

National Technology Platforms:

"Food for Life"
"Plants for the Future"
"Forestry"
"SusChem Italy"
"Biofuels"
"Mare"
"Organic farming"

Representatives of Italian Regions, associations, etc

AISSA

National Technology Clusters:

"Chimica Verde"

"AgroFood"

"Tecnologie per la mobilita' sostenibile terrestre e marina"

Joint Programming Initiatives, JPIs

"Healthy Diet for Healthy Life","Ocean for Tomorrow", "FACCE", "Water Challenges"

Representative +Experts +NCP

Public-Private Partnerships PPPs, JTIs

"BBI" , "SPIRE", "Connecting Climate Knowledge for Europe"

European Innovation Partnerships, EIPs

"AGRI"
"WATER"
"RAW Materials"

Knowledge Innovation Comm, KICs

"Climate Change"

Delegates IT in ETPs

"Water & sanitation"

IT delegates in HLG on KETs, ERA-NETs (ANIHWA ARIMNET I-II, CORE Organic, I-II e Plus, ERA CAPS, ERASysBIO+, FORESTERRA, ICT-AGRI I-II, C-IPM, RURAGRI Seasera, SUMFOREST, SUSFOOD etc) **and COSTs** ("Food and Agriculture", "Forests, their Products and Services")

The Future is Bio-Based

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