



*13th European Forum
on Eco-innovation*

HORIZON 2020 a focus on WATER eco-innovation

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OVERVIEW

- What is HORIZON 2020
- STRUCTURE, ACTIVITIES and FUNDING
- WATER from FP7 to HORIZON (2007-2013)
- WATER in HORIZON (2014-2020)
- Next STEPS
- TIPS

What is HORIZON 2020 ?

- **Multiannual Financial Framework 2014-2020:**

Key challenge: stabilise the financial and economic system while taking measures to create economic opportunities

- **1. Smart & inclusive growth (€491bn)**



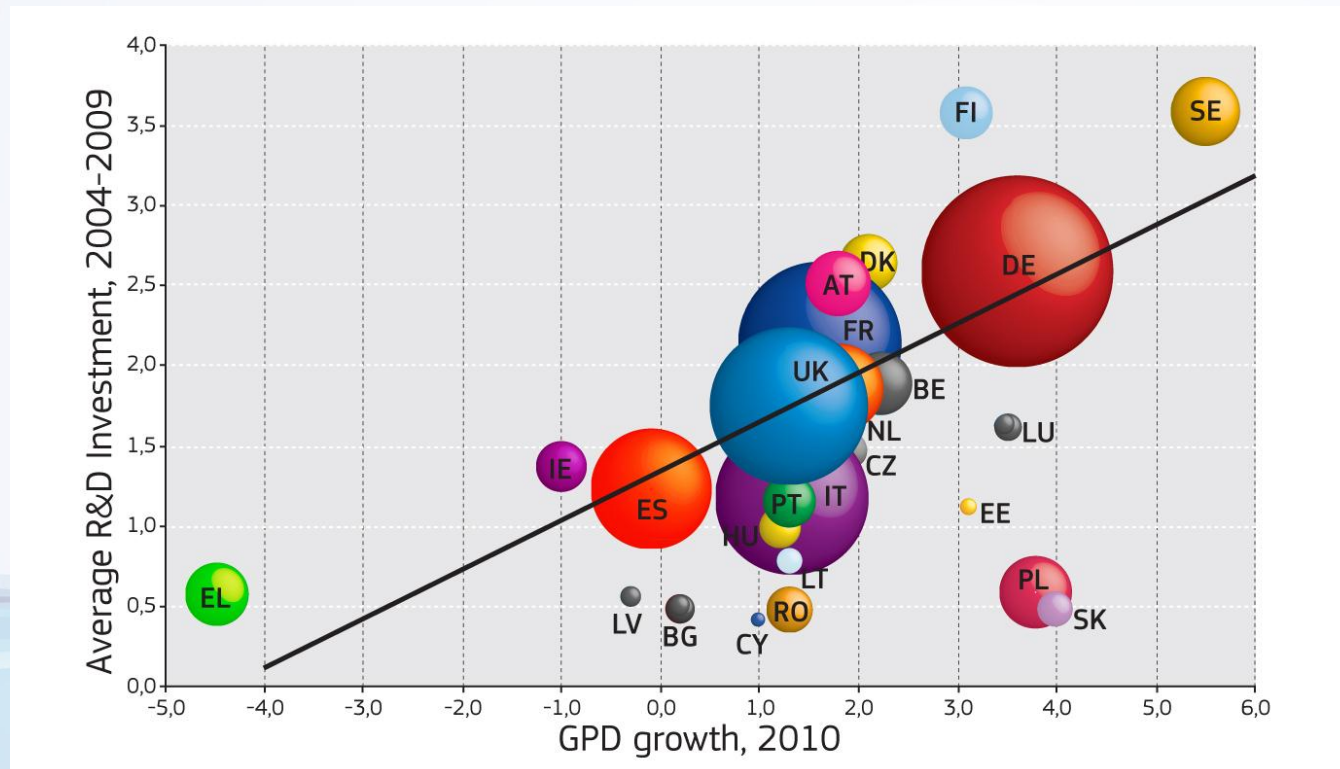
- **2. Sustainable growth, natural resources (€383bn)**
- **3. Security and citizenship (€18.5bn)**
- **4. Global Europe (€70bn)**
- **5. Administration (€62.6bn)**



**Total:
€ 1,025bn**

What is HORIZON 2020 ?

Investment in R&D is part of the solution to exit from the economic crises





What is HORIZON 2020 ?

The EU framework programme for Research and Innovation

- **Commission proposal** for a **80 billion euro** research and innovation funding programme (2014-20)
- Part of proposals for next EU budget, complementing Structural Funds, education, etc.
- A core part of **Europe 2020, Innovation Union & ERA**:
 - **Responding to the economic crisis** to invest in future jobs and growth
 - **Addressing peoples' concerns** about their livelihoods, safety and environment.
 - **Strengthening the EU's global position** in research, innovation and technology
- Active **involvement of stakeholders** in preparation of EC proposal

What is HORIZON 2020 ?

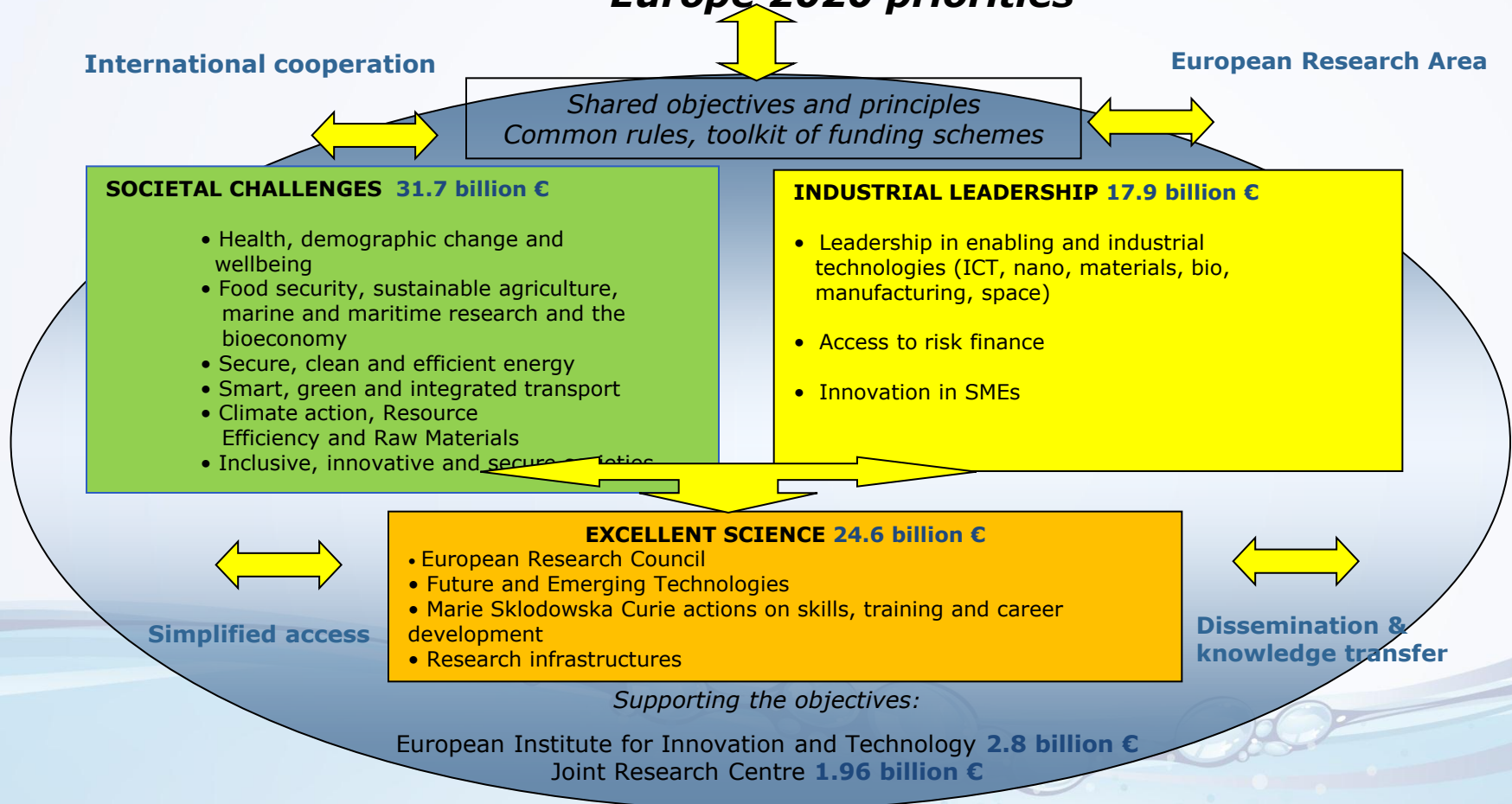
What's new

- **A single programme** bringing together three separate programmes/initiatives*
- **More innovation**, from research to retail, all forms of innovation
- **Simplified access**, for all companies, universities, institutes in all EU countries and beyond.
- **Strong participation by SMEs**
- **Partnering**

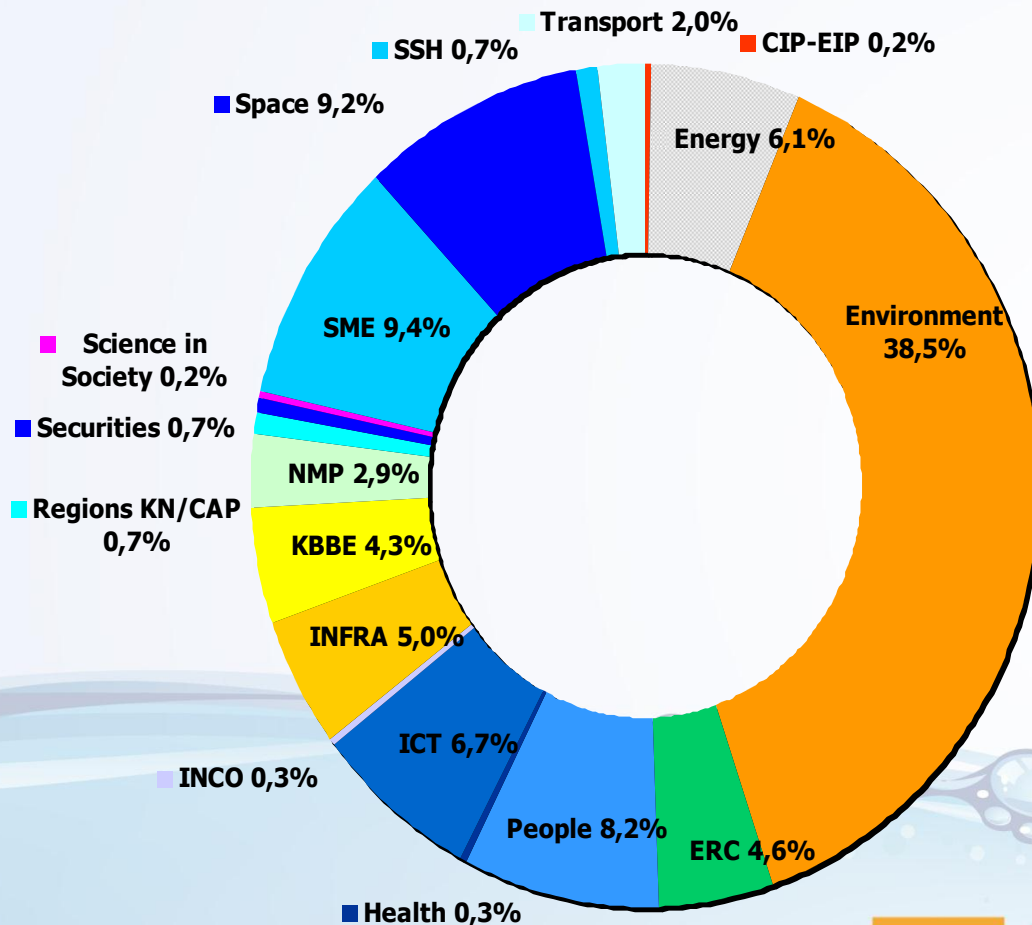
**The 7th research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)*

STRUCTURE, ACTIVITIES and FUNDING

Europe 2020 priorities



WATER from FP7 to HORIZON



€130million per year in FP7
900 projects on Water

from

*a multidisciplinary
sectorial approach in FP7*

to

*a transdisciplinary and
cross-sectorial approach in
HORIZON 2020*

WATER in HORIZON

International cooperation

European Research Area

SOCIETAL CHALLENGES

- Health, demographic change and wellbeing
- 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

INDUSTRIAL LEADERSHIP

- **Leadership in enabling and industrial technologies** (ICT, nano, materials, bio, manufacturing, space)
- Access to risk finance
- Innovation in **SMEs**

EXCELLENT SCIENCE

- European Research Council
- Future and Emerging Technologies
- Marie Skłodowska Curie actions on skills, training and career development
- Research infrastructures

Simplified access

Dissemination &
knowledge transfer

European Institute for Innovation and Technology

Joint Research Centre

Supporting EU policy priorities while enhancing synergies and cross-cutting competences



WATER & eco-innovation in HORIZON

Climate action, Resource efficiency & Raw materials **3.16 b€**

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



WATER, PARTNERING and ADVISE

Major WATER initiatives in Europe

- ✓ **Research Partnerships - Public-Public**
JPI -Joint Programming Initiative 'Water Challenges for a Changing World'
- ✓ **Industrial Technology Platforms**
WssTP -Water Supply and Sanitation Technology Platform
SusChem-Sustainable Chemistry
- ✓ **Public -Private Partnerships**
Proposed PPP- SPIRE Sustainable Process Industry
- ✓ **Innovation oriented Public-Private Partnerships**
EIP - European Innovation Partnership EIP 'Water'
- ✓ **Advisory structure for HORIZON 2020 including**
- ✓ **a High Level Multistakeholders Group (2013) on Ecoinnovation**

**€500 million per year
EU public investment in
Water research in
Europe**



Next STEPS

- Ongoing:** Parliament and Council negotiations on the basis of the Commission proposals
- Ongoing:** Parliament and Council negotiations on EU budget 2014-2020 (including overall budget for Horizon 2020)
- Mid 2012:** **Final calls under 7th Framework Programme** for research to bridge gap towards Horizon 2020
- Mid 2013:** Adoption of legislative acts by Parliament and Council on Horizon 2020
- 1/1/2014:** **Horizon 2020 starts, launch of first calls**

EIP on WATER call FP7

Environment Work Programme 2013

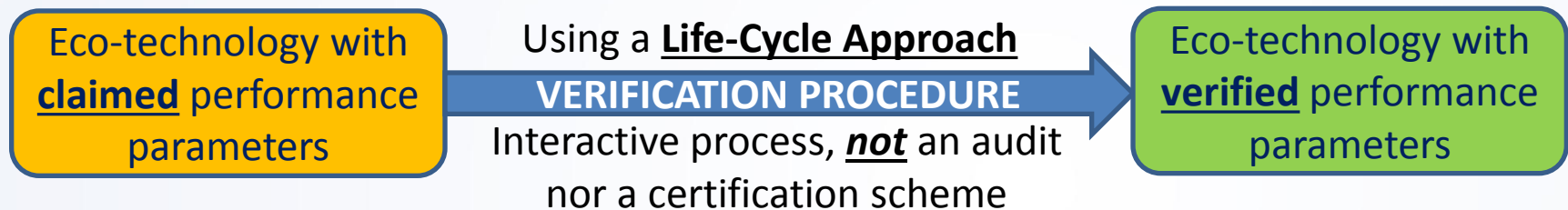
- ✓ Call title: FP7-ENV-2013-WATERINNO&DEMO
- ✓ one-stage, 40 M€
- ✓ Topics called :
 - ✓ ENV.2013.WATERINNO&DEMO-1 (CP)
 - ✓ ENV.2013.WATERINNO&DEMO-2 (CSA)
- ✓ Date of publication 10 July 2012
- ✓ Deadline 4 April 2013
- ✓ **INFO DAY & BROKERAGE event 15 January 2013, Brussels**



Environmental Technology Verification - ETV

EU-ETV Pilot programme started end of 2011 for 3 years – now operational

A tool to provide credibility and sound information on the performance of new ready to market eco-technologies



- For technology manufacturers: credibility and marketing tool
- For technology purchasers: base for sound, comparable and credible information
- For policy-makers: market tool and source of state of the art technologies

More information:

<http://ec.europa.eu/environment/etv/index.htm>

Contact: env-etv@ec.europa.eu

At the Forum contact:
Ana BARBOSA LANHAM

Thank you for your attention!

Find out more:

www.ec.europa.eu/research/horizon2020

Participant Portal for FP7 Calls

https://ec.europa.eu/research/participants/portal/page/fp7_calls

WATER projects - FPs Catalogue

http://ec.europa.eu/research/environment/index_en.cfm?pg=publications

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