Information Day on Food Security, Sustainable Agriculture and Forestry, Marine and Maritime and the Bioeconomy

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Building bioeconomy in Europe
http://ec.europa.eu/research/bioeconomy/

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What is Horizon 2020?

The new European Union programme for research and innovation for 2014-2020

A core part of Europe 2020, Innovation Union & European Research Area:

- Responding to the economic crisis to invest in jobs and growth
- Addressing people's concerns about their livelihoods, safety and environment
- Strengthening the EU's global position in research, innovation and technology

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Horizon 2020 helps Europe bring its great ideas to the market by…

Making the most of excellent science

Boosting Europe´s industrial leadership

Creating solutions to the societal challenges

Budget: Over €70 billion

Duration: 2014-2020

Simplified access for all

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Horizon 2020

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What is new?

- Impressive increase of its budget
- Coupling research to innovation
- Challenge-based approach
- New approach to Work Programme and Calls
- Radical simplification
- Focus on increased industry participation
- Dedicated support for SMEs
- Reinforced budget for the ERC
- Selection of projects on the basis of excellence
- Full openness to the rest of the world
- Embedding Socio-economic Sciences and Humanities
- Dedicated Widening activities

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Horizon 2020

€ 79 billion from 2014 to 2020

HORIZON 2020 BUDGET (in current prices)

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Investing in R&I boosts innovation and economic performance

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Societal Challenge 2 - Strategic Analysis

Tackling New Trends

CROSS-CUTTING DRIVERS		
Economic growth	Job creation	Demographic change
Sustainability	Innovation in technologies	Food security

Outcomes
Depletion of resources
Environmental degradation
Food Insecurity
Rising inequality and more vulnerable groups

Source: Adapted from Europe's societal challenges, Rand Europe, 2013

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Societal Challenge 2

From Strategic Analysis...

To Strategic Action

Preparing for what we know will happen

Work Programme 2014-2015

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Objectives of Societal Challenge 2:

- 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

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Work Programme 2014-2015

Priorities

Tackling sustainability in primary production

- Livestock, crops, soil, diversity, aquatic animals, policies

Tackling sustainability while processing

- Proteins, innovative food processing, food waste, renewable oil crops

Tackling food safety and quality

- Risk assessment, contamination of crops, authentication, foodborne pathogens

Ensuring well-being

- Elderly, rural areas

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Bottlenecks

Primary production	• Total productivity factor • Post-harvest losses
Bio-based industries	• The biomass availability • Market making
Food industry	• Ensuring security of supply • Resource efficiency

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Source: ASTI, 2012

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Food and health research in Europe

- 70-80000 researchers
- 361 research programmes
- High-quality education systems
- Modern infrastructures

Source: FAHRE Report 27 January 2011

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The SME Instrument

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Bio-based Industries Joint Undertaking

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Public Private Partnership
supporting R&I for bio-based industries:

- Partners: **European Commission and Biobased Industries Consortium (BIC)**
- Budget: **€ 3.705 billion** (about 75% from industry)
- Implementation:
  - Principles of **openness, transparency and excellence**
  - Horizon 2020 rules for participation
- Objectives: **New bio-based value chains** for Europe based on **2nd generation/advanced biorefineries**.

www.bbi-europe.eu

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2016 – 2017 Strategic Programming Process

Societal Challenge 2

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Performance of Poland in FP7

Polish participations in FP7 projects: **2165** signed grant agreements **400.21 Million € EU contribution**

Greatest EU contribution to Polish participants in:

- Research Potentials (67.37M€)
- Information and Communication Technologies (59.96€)
- Marie-Curie Actions (44.64M€)
- … KBBE (13.90M€)

Success rate – 18.5% (KBBE 17.39%)

Participation in FP7 by organisation activity type:

- Non-Profit Research Organisations: 50%
- Secondary and Higher Education Organisations: 30%
- Industry: 9.6%
- Public Bodies: 8,8%

Top 5 KBBE participants:

- Finstytut Ogrodnictwa
- Szkola Glowna Gospodarstwa Wiejskiego
- Instytut Uprawy Nawozenia I Gleboznawstwa, Panstwowy Instytut Badawczy
- Panstwowy Instytut Weterynaryjny - Panstwowy Instytut Badawczy
- Instytut Badawczy Lesnictwa

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Conclusions

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HORIZON 2020 offers the high level of research and innovation required so that the different bio and blue economy sectors:

Improve the desired resilience, sustainability and productivity of their value-chains

Foster the well-being of the European citizens

Increase their competitiveness, creating growth and jobs

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Practical Information about Horizon 2020

Deadlines:

Single-stage *(CSAs, ERANETs)****: 11/06/15***

Two-stage *(Research & Innovation Actions, Innovation Actions)****: 03/02/15 (1st stage) and 11/06/15 (2nd stage)***

SME instrument: ***Phases 1 and 2: 18/03/15; 17/06/15; 17/09/15; 16/12/15***

BBI-JU: ***15 October 2014***

The call is published on the Research Participant Portal and follows the standard Horizon 2020 rules. As in Horizon 2020 evaluation and selection is made on the basis of excellence, impact and quality and efficiency of the implementation. Large industry is excluded from receiving funding under R&I Actions

→ More information, documents and details on calls available on the participant portal: http://ec.europa.eu/research/participants/portal/desktop/en/home.html

→ Podcast of the infoday on Horizon 2020 SC2 calls for 2014-2015 are available here: http://ec.europa.eu/research/bioeconomy/news-events/news/20140117_02_en.htm

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Thank you for your attention!

Useful links:

Participant Portal:

http://ec.europa.eu/research/participants/portal/desktop/en/home.html

HORIZON 2020

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