

Horizon 2020 and the Circular Bio-economy

NoRest Conference, Oct. 25-26, Copenhagen

Gudrun Langthaler, Research Council of Norway



European R&I for a circular bioeconomy

- Horizon 2020
- Bioeconomy still a novel concept
- Circular and bio-based

Participation and the wider picture



Horizon 2020 2014-2020 79 billion Euro







Structure in Horizon 2020

BIO-BASED INDUSTRIES * Public-Private Partneyship

Excellent Science

• European Research Council - Frontier

LEIT Biotech

of innovation

- Marie Skłodowska Curie action Opportunities for training and a development
- Research infrastructures (incluinfrastructure) Ensuring acces world-class facilities

Budget ca. 32 mrd Euro

Competitive Industries

Leadership in enabling and industrial technologies (ICT, nanotechnologies, piotechnology, acturing, space)

SC2

2. Food Security, sustainable agriculture and forestry, marine and maritime and inland water research, and the Bioeconomy

Budget ca 22 mrd Euro

Better Societies

- Health, Demographic Change and Well-Being
- Food Security, sustainable agriculture and forestry, marine and maritime and inland water research, and the Bioeconomy
- Secure, clean and efficient Energy
- Smart, green and integrated **Transport**
- Climate action, environment, resource efficiency and raw materials
- Europe in a changing world innovative, inclusive and reflective societies
- Secure Societies Protecting freedom and security of Europe and its citizens

Budget ca. 38,5 mrd Euro

European Institute of Innovation and Technology (EIT) 2,71 mrd Euro

Widening participation and Spreading Excellence, ca. 800 mill Euro

Science with and for Society, ca. 460 mill Euro

Horizon 2020 – next steps

The way to the last WP 2018 – 2020

2016 / 2017

- Development of Scoping Paper with priorities
- EC: starting to draft WP
- October 2017: adoption of WP





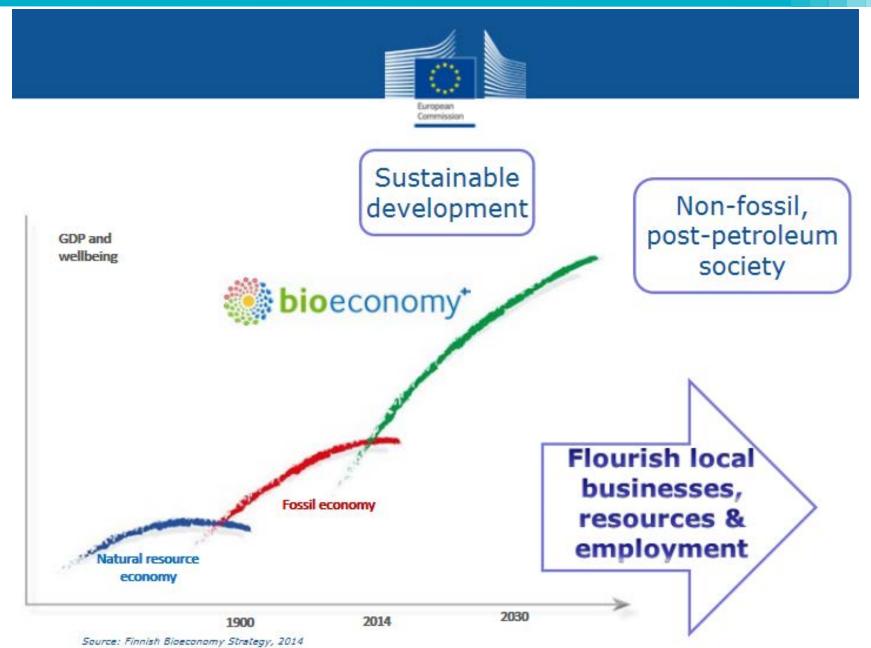
Future calls in Horizon 2020 - drivers



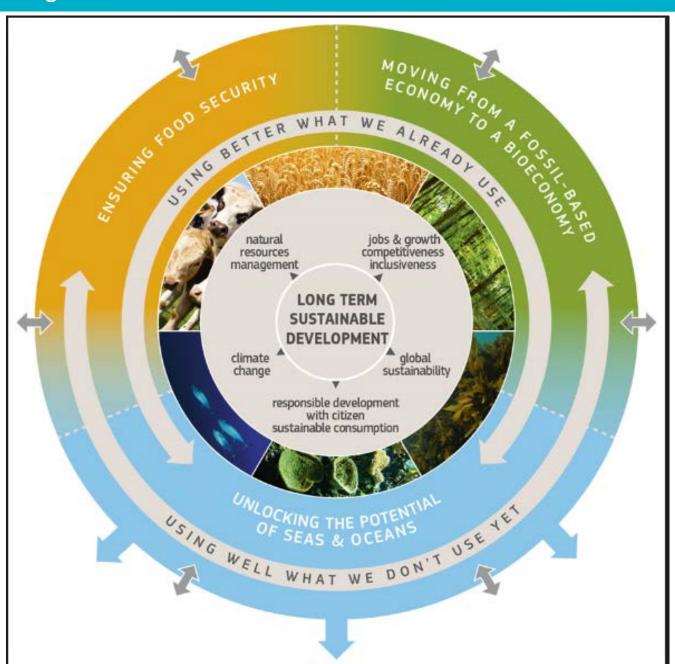
CIRCULAR ECONOMY
Closing the loop
FROM WASTE TO RESOURCES

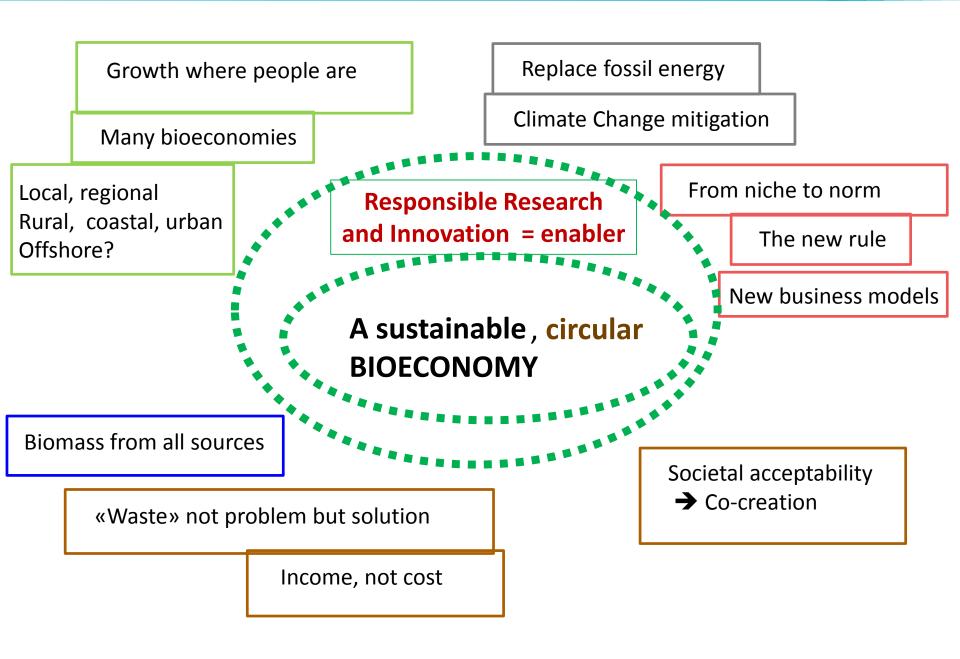


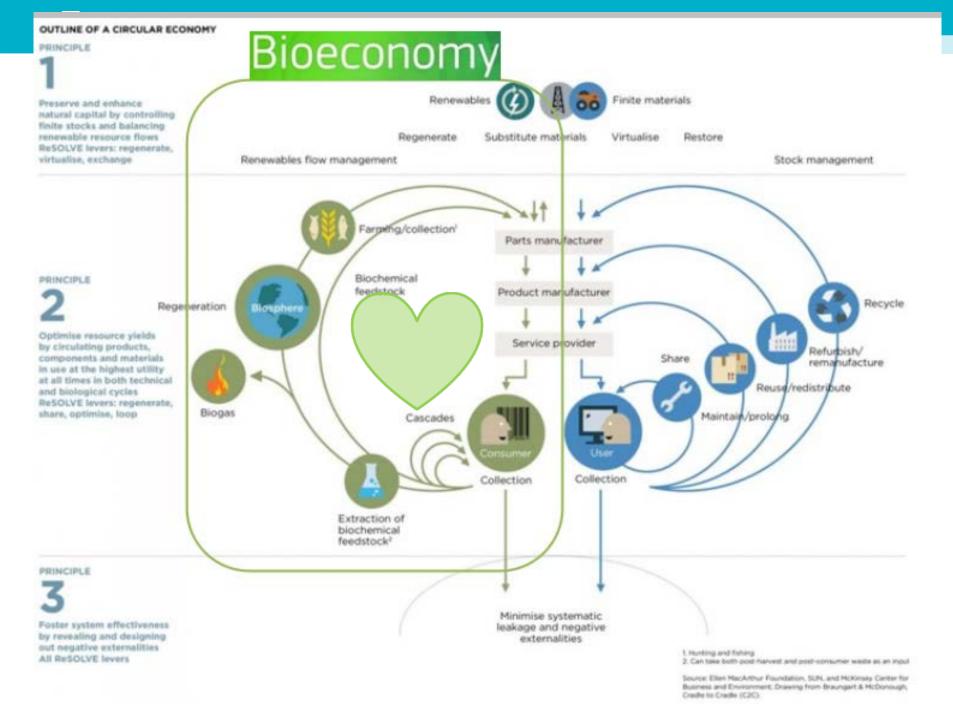












Important goals for 2018-2020

- Climate change and resilience on land and sea
- Transitions towards a circular bioeconomy
- Health ecosystems, food, life
- Innovations



Livelihoods for rural and coastal areas

Circular bioeconomy

Reduce, Reuse and Recycle



- Resource efficiency in the whole system
 - Nutrient flow

Biorefineries- integration of food and non-food

Rural – coastal – urban + ocean protection



Your participation

Consultation process

Advisory group, stakeholders, public

Application process

- WP: Read, read and reread your topic
- Build / find and discuss with your consortium
- Write and Submit
- Criticize and improve

Project phase

Deliver and recognize



NCPs EU-advisors Colleagues



Commission

RESEARCH & INNOVATION

Participant Portal

European Commission > Research & Innovation > Participant Portal > Calls

HOME

FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

DeadlineModel:

Opening date:

EXPERTS SUPPORT *

Search

Q

Deadline:

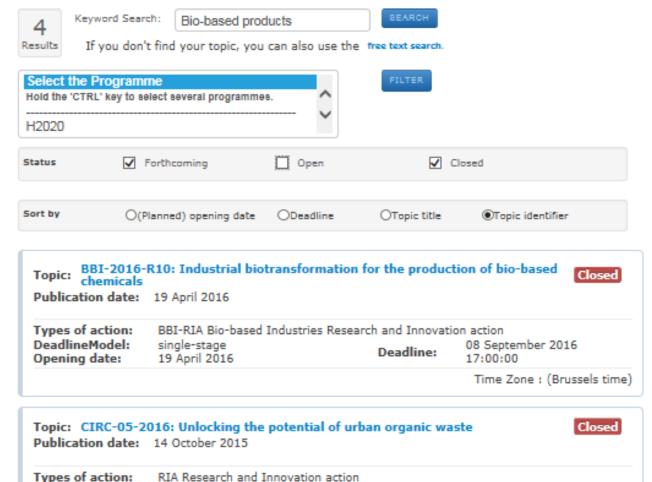












Topic: ISIB-05-2014: Renewable oil crops as a source of bio-based products

Publication date: 11 December 2013

single-stage

10 November 2015

Closed

08 March 2016 17:00:00

Time Zone : (Brussels time)





Experts

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.

New experts

Who can be an expert?

'ou 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:

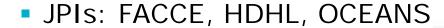
 preparation, implementation or evaluation of programmes and design of policies. This includes the Horizon 2020 Advisory Groups.

Assignments mainly concern research and innovation, falling within the Horizon 2020 programme designed to address the challenges Europe is facing through funding excellent science, technology and innovation.



European countries' cooperation

Joint Programming Initiatives ERA-Net Cofunds



- ERA NET SURPLUS
- ERA-NET ERA-GAS





+ Forestry ERA-NETs, SUSFOOD2, SusAn, Marine Biotech,...

