



WP 2016/2017supporting research to find solutions to these challenges

- Feed 9 billion people by 2050, by improving farming and food systems' capacity to sustainably supply sufficient and healthy food
- Unlock the potential of seas and oceans, which cover 70% of the Earth's surface and host 50% of known species
- Raise the sustainable growth potential of rural areas, and their ability to cope with demographic, climatic and economic change
- Boost bio-based markets, to create for example over 3% growth/ year in the bio-based chemistry sector



WP 2016/2017- objectives

- Ensure food and nutrition security, by fostering resilient and resource efficient primary production and industry as well as sustainable and healthy consumption
- **Demonstrate the innovative potential of the oceans,** by bringing technology to market
- Foster innovation and business opportunities for rural and coastal areas, through new territorial approaches and business models
- Re-industrialise Europe, through new bio-based valuechains, while securing sustainable biomass









Sustainable Food Security CALL

a global €431,5 million budget to:



Improve farming and food systems' capacity to sustainably supply sufficient and healthy food while safeguarding natural resources



Ensure global food and nutrition security



©M.Maghenzanijpg, #41505274 2015. Source: Fotolia.com



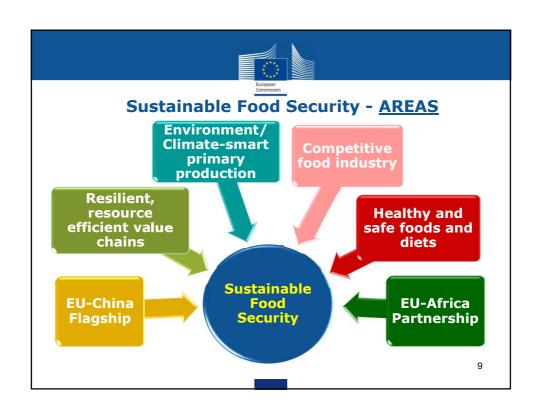
Focusing on climate smart agrifood chains

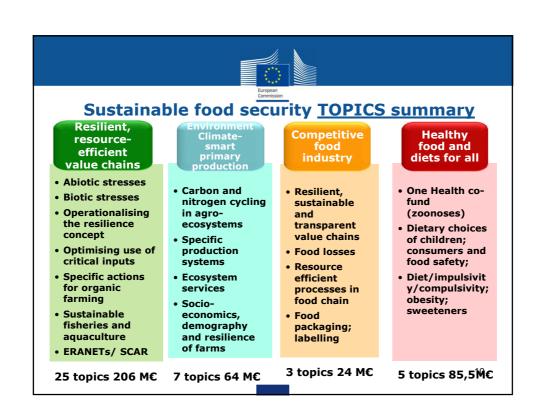


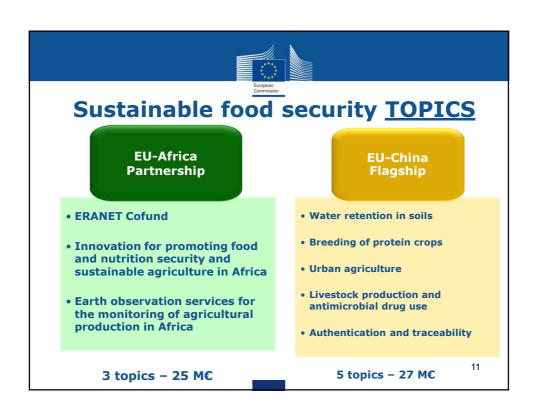
Putting nutritious and healthy food from land and seas on our plates

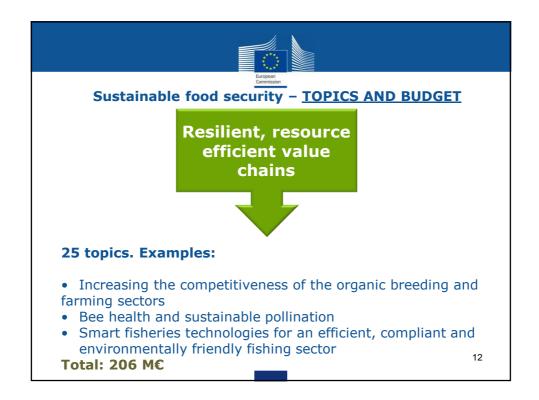


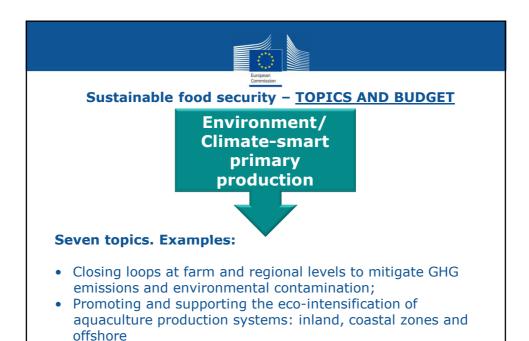
Going global: joint actions with Africa and China









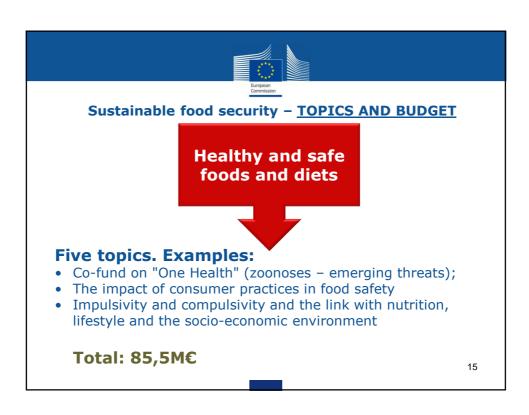


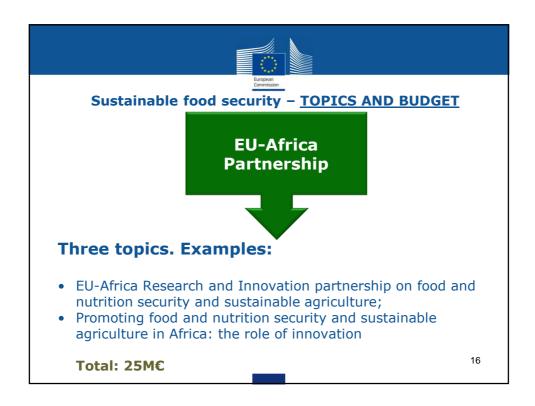
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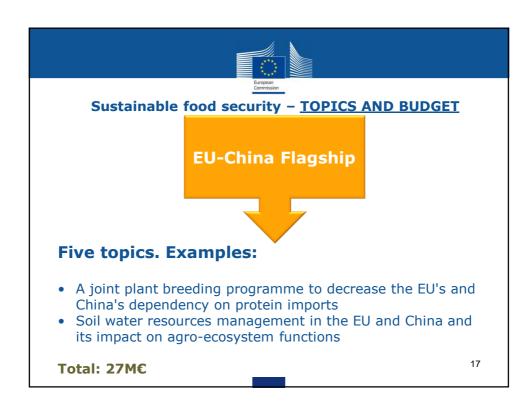
Socio-economics in ecological approaches

Total: 64 M€



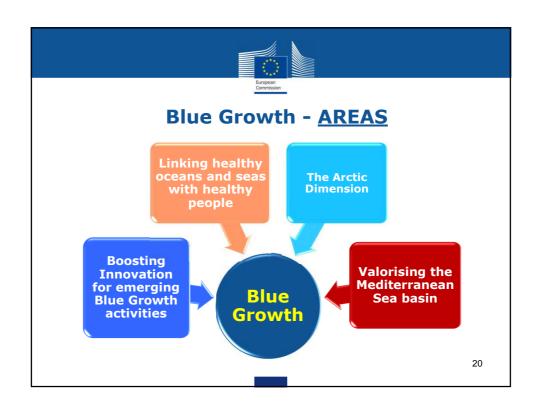














Marine & Maritime Research in other parts of H2020

SOCIETAL CHALLENGES:

- SC3 (Energy): 2 topics on ocean energy under Competitive Low Carbon Energy call & mentions across other 8 others.
- SC4 (Transport): 2 topics on waterborne transport under Mobility for Growth & mentions in 6 others.
- SC5 (Climate): 4 topics under Climate Services encompassing oceanic measurements, ocean climate, coastal areas, and plastic-free seas and oceans.

LEIT- NMBP

Two topics on materials for buildings and infrastructure including offshore and on biotechnology opportunities for industry.

and other relevant parts of H2020

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Rural Renaissance



Rural Renaissance <u>CALL</u> a global € 128 million budget to:



Grasp promising opportunities to boost rural growth and jobs



Develop rural and coastal areas through new territorial approaches and business models







Rural renaissance: our territories € 128 million to grasp promising opportunities to boost rural growth and jobs



Invest in businesses:

new business models, new value chains and better connectivity



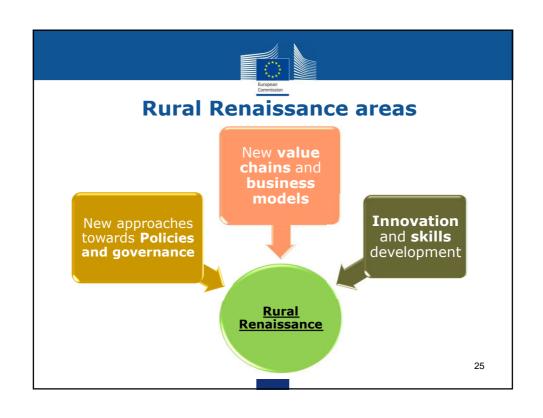
Invest in people:

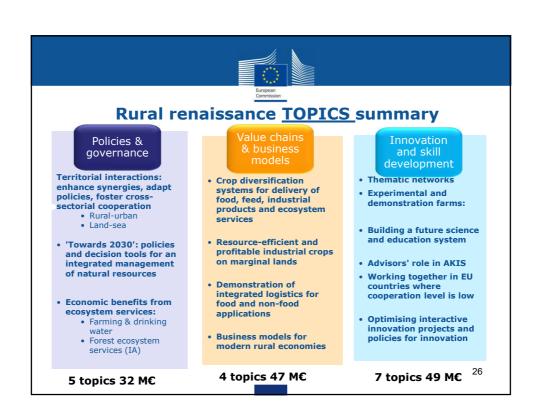
boost innovation, co-creation and exploitation of knowledge by improving skills and innovation systems

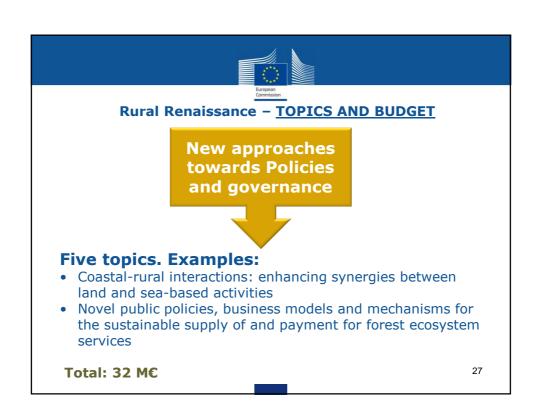


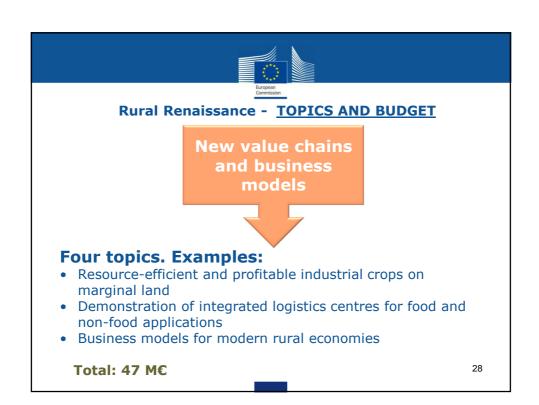
Invest in better decision-making:

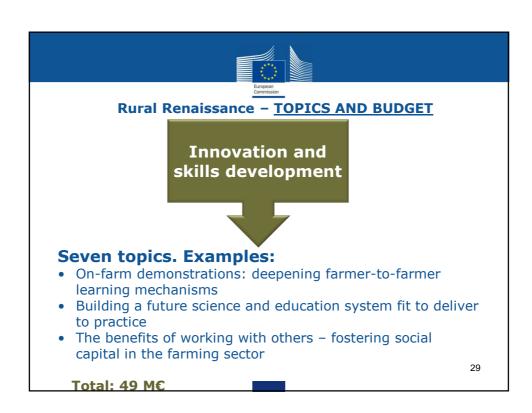
modernize policies and governance to make the most out of our resourceful territories sustainably



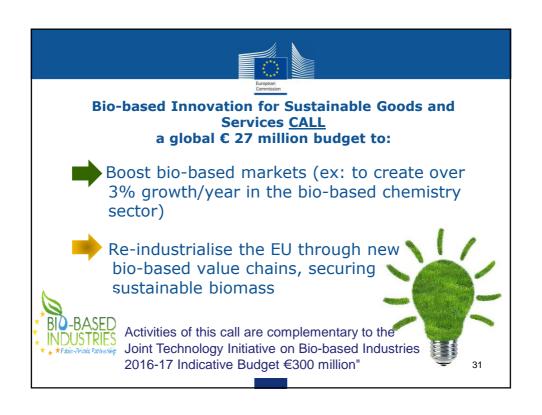


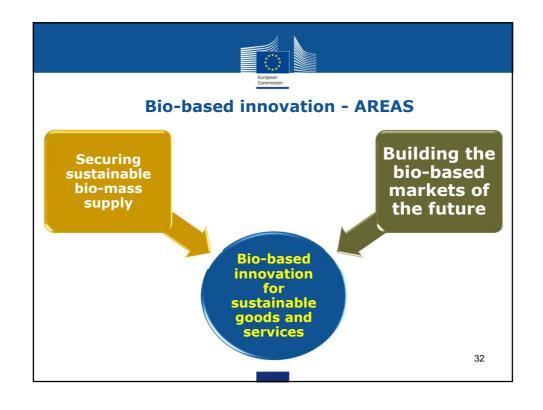


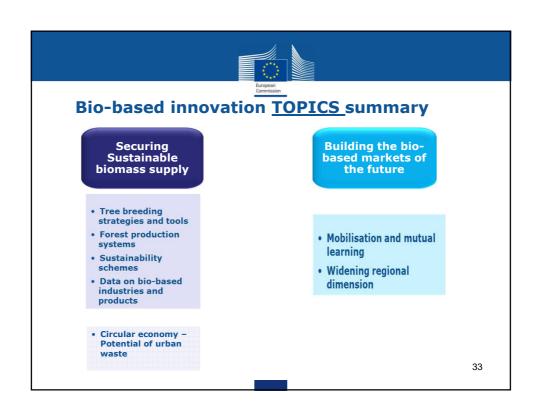


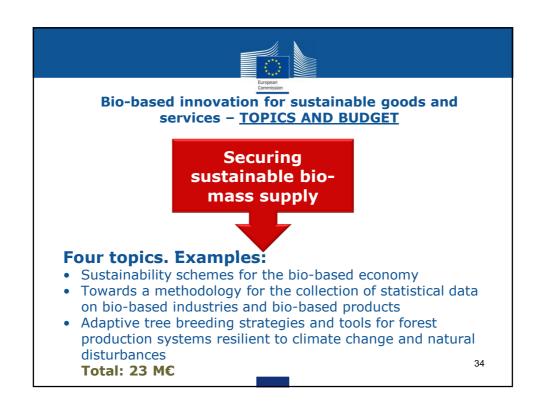




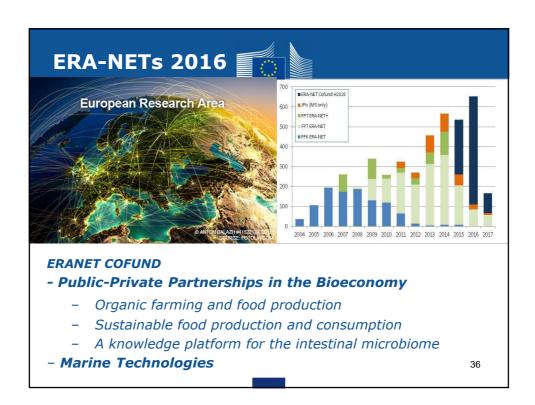














SC2 contributions to other calls

- SME dedicated call:
 - "Land"- 58M€: Stimulating the innovation potential of SMEs for sustainable and competitive agriculture, forestry, agri-food and bio-based sectors (SME-Inst07)
 - "Sea" 19,5M€: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth (SME-Inst08)
- Cross-cutting activities:
 - Unlocking the potential of urban organic waste (Industry 2020 and the circular economy; CIRC-05 3M€)
 - Large scale pilot on smart farming (Internet of Things; Iot-01 Pilot 2 30M€)
- Fast-track to innovation;

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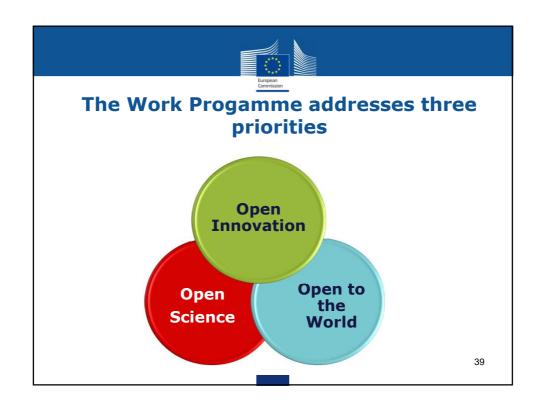
Bio-based Industries Joint Undertaking (BBI - JU)

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

- Partners: European Commission and Biobased Industries Consortium (BIC)
- <u>Budget</u>: € 3.705 billion(about 75% from industry)
- > Implementation:
 - Principles of openness, transparency and excellence
 - ➤ Horizon 2020 rules for participation
- <u>Objectives</u>: At least 5 new bio-based value chains for Europe based on 2nd generation/advanced biorefineries



www.bbi-europe.eu











Horizon 2020 Open to the World!

General opening

Horizon 2020 is fully open to participation of entities from across the globe

Targeted opening

Many topics are flagged as being specifically relevant for international cooperation, identifying upfront the targeted area and partner country or region

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Automatically eligible for EU funding

- EU Member States including their overseas departments
- Overseas Countries and Territories linked to the MS
- Countries Associated to Horizon 2020:
- Iceland, Norway, Albania, Bosnia and Herzegovina, Former Yugoslav Republic of Macedonia, Montenegro, Serbia, Turkey, Israel, Moldova, Switzerland (partial association), Faroe Islands, Ukraine
- International European interest organisations
- Exhaustive list of countries identified in Annex A to the work programme ('developing countries')



Not automatically eligible for EU funding

Entities in non-EU/non-Associated/non-'developing countries' may only be granted EU funding when:

- Provision in the work programme; or
- Provision under a bilateral S&T agreement; or
- Commission deems participation essential for carrying out the action (project case-by-case assessment, based on proposals evaluations)

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Matching funds for international partners

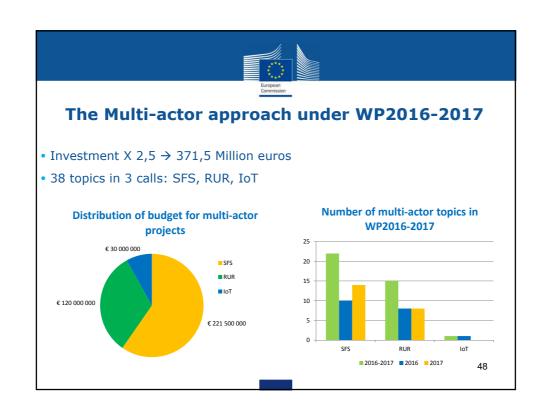
A number of non-EU/non-Associated countries make funding available for their participants in Horizon 2020 actions:

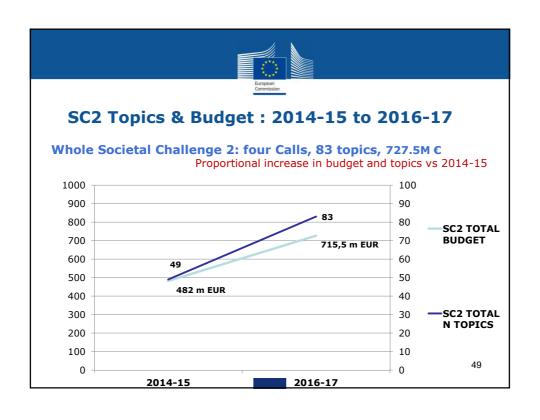
- Republic of Korea, Mexico, Russia, China, Japan etc.*
 some cover all topics others selected topics
- See http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/international-cooperation en.htm#countries
- * Also Switzerland makes funding available for their participants in those parts of Horizon 2020 where Switzerland is not associated



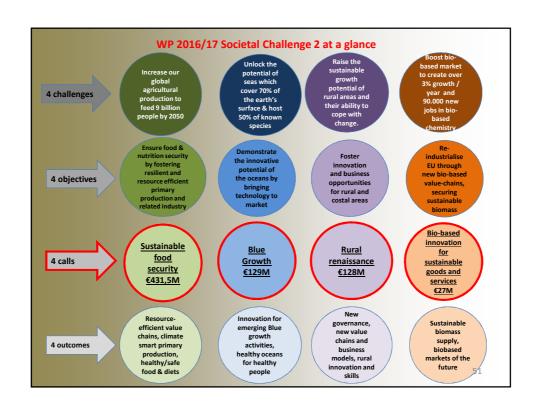
The multi-actor approach under WP2016-2017 Key elements

- Description now in the WP introduction pages 9-10
- Multi-actor projects are about interactive innovation
- Beyond dissemination requirement and stakeholders' board
- Genuine and sufficient involvement of various actors all along the project, from planning to demonstration
- Demonstrate how project will respond to end-users needs
- Substantial practical knowledge easily accessible and understandable
- Material → EIP-AGRI (for EIP-AGRI related areas)
 - Common format
 - Connect with operational <u>groups</u>











Work Programme pre-publication

Draft versions of the Horizon 2020 work programmes for 2016-2017 are made public just before the adoption process.

These versions are not yet endorsed by the Commission and they do not in any way prejudge the final decision of the Commission.

The adoption and the publication of the work programme by the Commission are expected in mid-October 2015.

Only the adopted work programme will have legal

Only the adopted work programme will have legal value.

https://ec.europa.eu/programmes/horizon2020/en/draft-work-programmes-2016-17

This presentation shall neither be binding nor construed as constituting commitment by the European Commission

