



# **HORIZON 2020**

## **Work Programme 2016-2017**

### **Multi-Actor Projects relevant for Forestry**

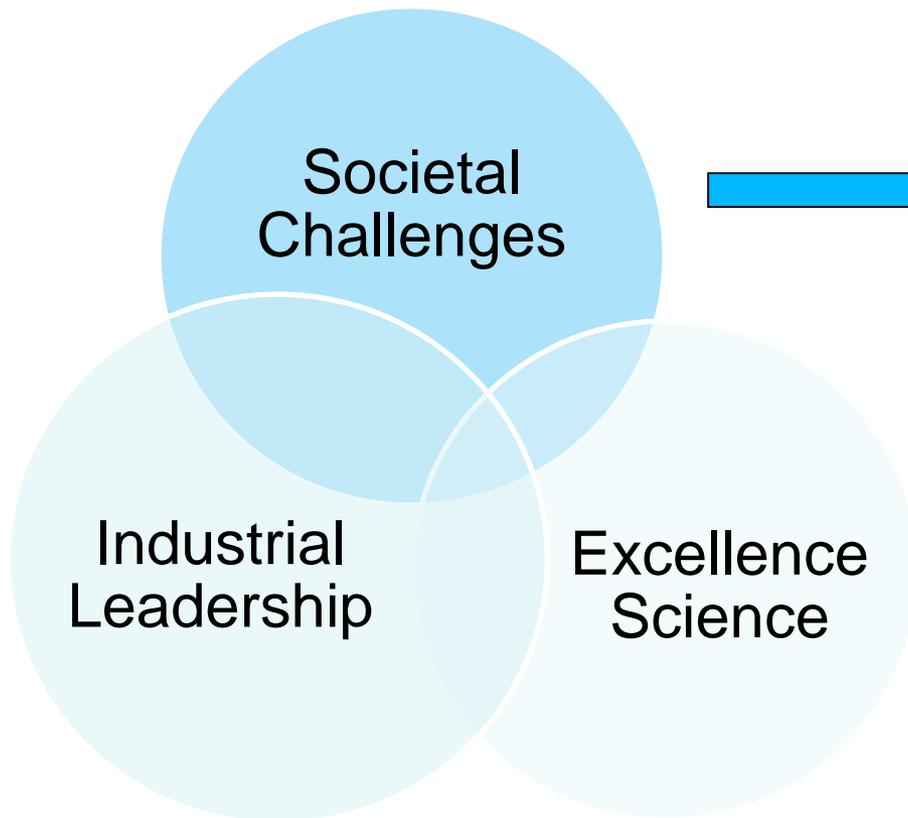


Doru-Leonard IRIMIE, Dr.  
Research Programme Officer  
DG RTD - F3

WS Inform-Prioritize-Collaborate  
Brussels, 29 Jan 2016

HORIZON 2020

# Framework Programme for Research and Innovation HORIZON 2020



**1. Health, demographic change and wellbeing**

**2. Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy**  
(ca. 3.5 billion €)

**3. Secure, clean and efficient energy**

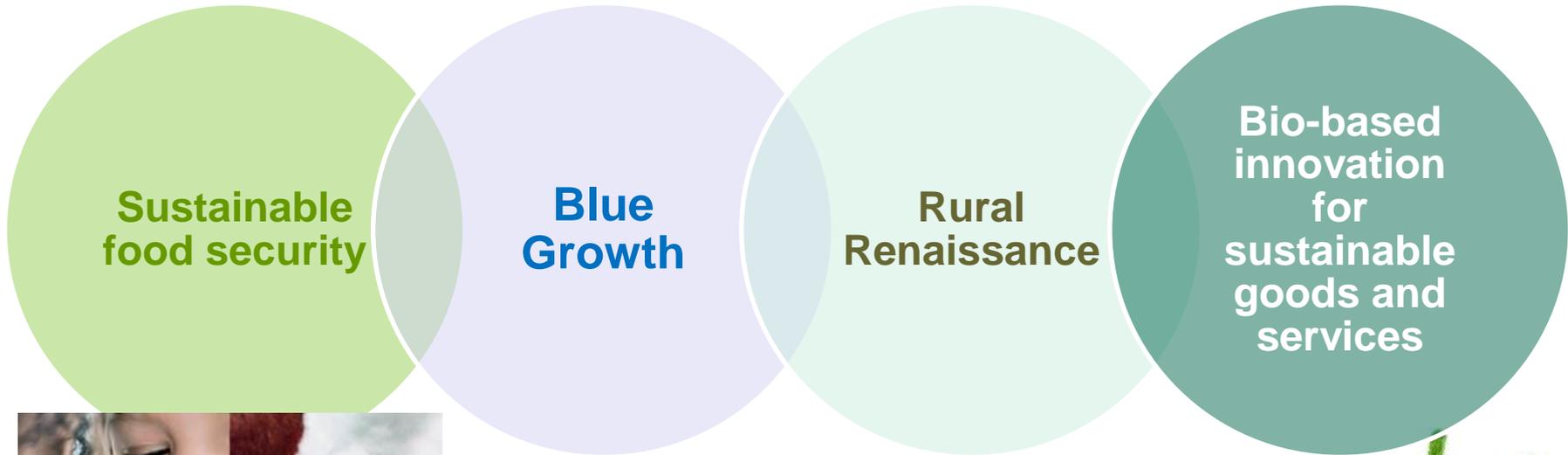
**4. Smart, green and integrated transport**

**5. Climate action, resource efficiency and raw materials**

**6. Inclusive, innovative and reflective societies**

**7. Secure societies**

# Four Societal Challenge 2 Focus Areas/Calls in WP 2016/2017



**HORIZON 2020**

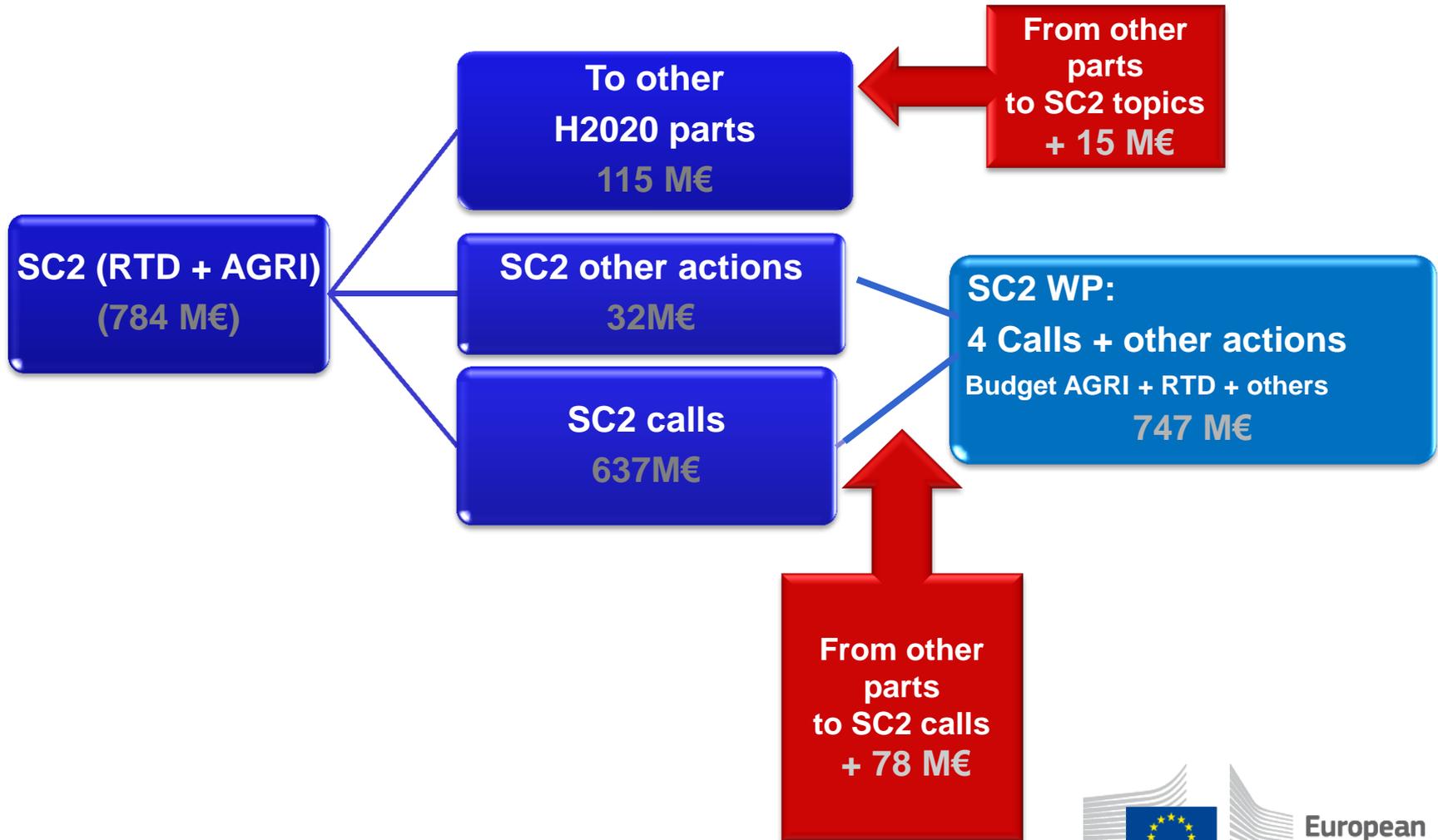
© Photographies #19215944, 2015. © stockWERK, #58226285, 2015. Source Fotolia.com



# Horizon 2020 work programme 2016-2017: Four core 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 value-chains, securing sustainable biomass

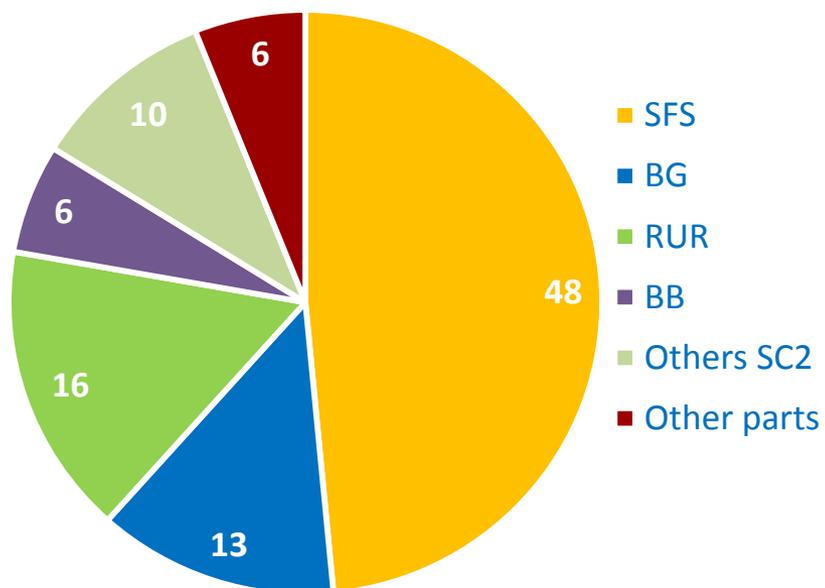
# SC2 WP 2016-2017 Budget



# Topic and budget distribution by calls

## Topics

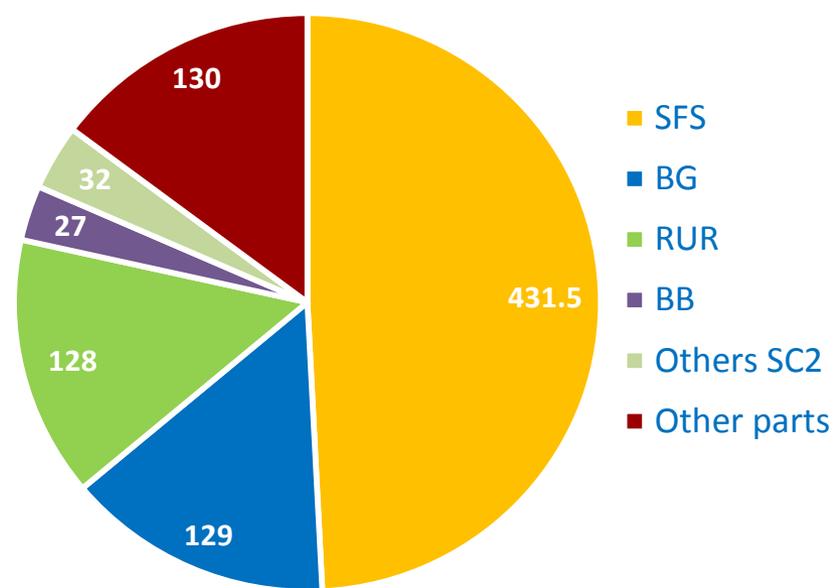
(including other contributions)



Total: 99 topics  
(93 within SC2 WP)

## Budget (M€)

(including other contributions)



Total: 877,5 m€  
(747,5 m€ from SC2)

# EIP “Agricultural Productivity and Sustainability”

- “EIP-AGRI works to foster competitive and sustainable farming and forestry that 'achieves more and better from less'. It contributes to ensuring a steady supply of food, feed and biomaterials, developing its work in harmony with the essential natural resources on which farming depends.”
- Funding through EAFRD (RDPs)
- Relation with Horizon 2020 calls: multi-actor approach projects (37 topics in WP 2016-2017 SC2), thematic networks (e.g. RUR-10-2016/2017)
- First Horizon 2020 SC2 thematic network project, HENNOVATION - started Jan 2015
- Proposed focus group on forestry -TBD



# Multi-actor approach/topics in Horizon 2020

- Horizon 2020 Regulation 1291/2013, section 2.2 (SC2):  
"[...] A multi-actor approach will ensure the necessary cross-fertilising interactions between researchers, businesses, farmers/producers, advisors and end-users.[...]"
- Further definition in WP SC2 2016-2017 p. 9-10
- 37 Multi-actor topics in SC2:

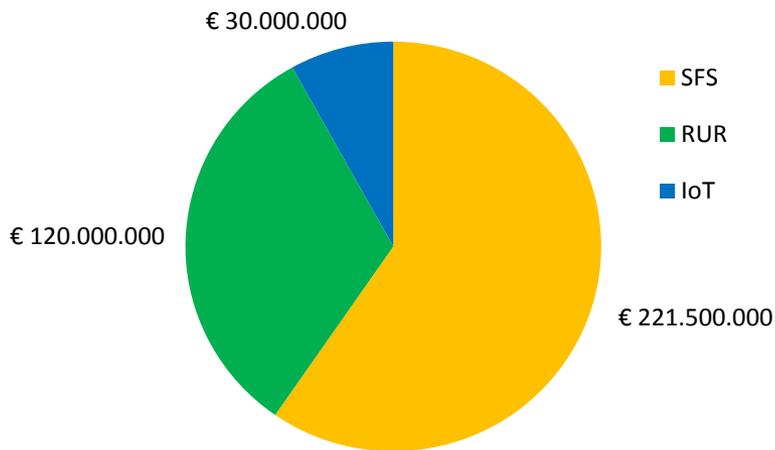
SFS-1, SFS-2, SFS-4, SFS-6, SFS-7, SFS-8, SFS-9, SFS-10, SFS-11, SFS-15, SFS-16, SFS-17, SFS-20, SFS-26, SFS-27, SFS-28, SFS-30, SFS-34, SFS-37, SFS-39, SFS-42, SFS-48,

RUR-1, RUR-2, RUR-4, RUR-5, RUR-6, RUR-7, RUR-8, RUR-9, RUR-10, RUR-11, RUR-12, RUR-13, RUR-14, RUR-15, RUR-16

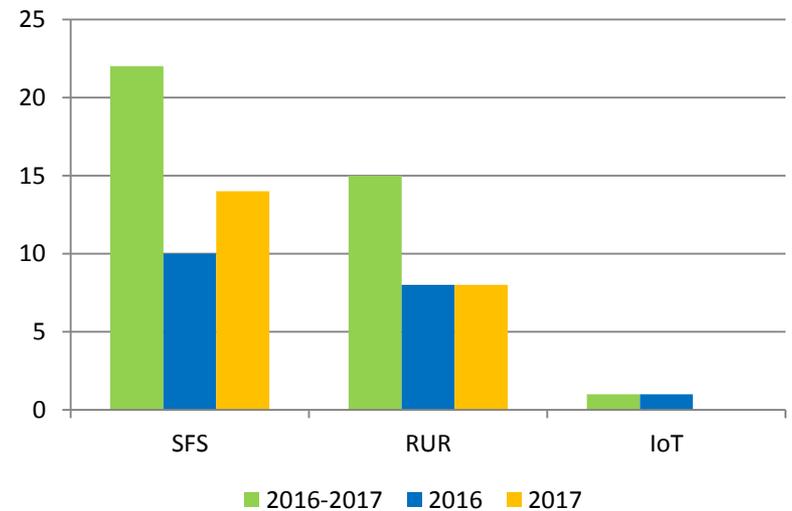
# Multi-actor topics in WP2016-2017

38 topics in 3 calls: SFS, RUR, IoT

### Distribution of budget for multi-actor projects



### Number of multi-actor topics in WP2016-2017



# Multi-actor projects in Horizon 2020

- Interactive innovation, beyond dissemination requirement and stakeholders' board
- Genuine involvement of various actors all along the project, from planning to demonstration
- Demonstrate how project will respond to end-users needs; practical knowledge easily accessible and understandable
- For EIP-AGRI related areas, the outcomes should:
  - Follow common format
  - Connect with operational groups

# Call: Rural Renaissance (RUR)



# Rationales: business development opportunities

- Higher demand for "biomass" for food and non-food uses
- New energy agenda, space for renewable energy
- Renewed interest from consumers in local/regional products
- Demand for ecosystem services, possibility for better remuneration
- International trade of high-value added products
- Lifestyle migrants
- Services for new rural inhabitants

# Rural Renaissance call

€ 128 million to:



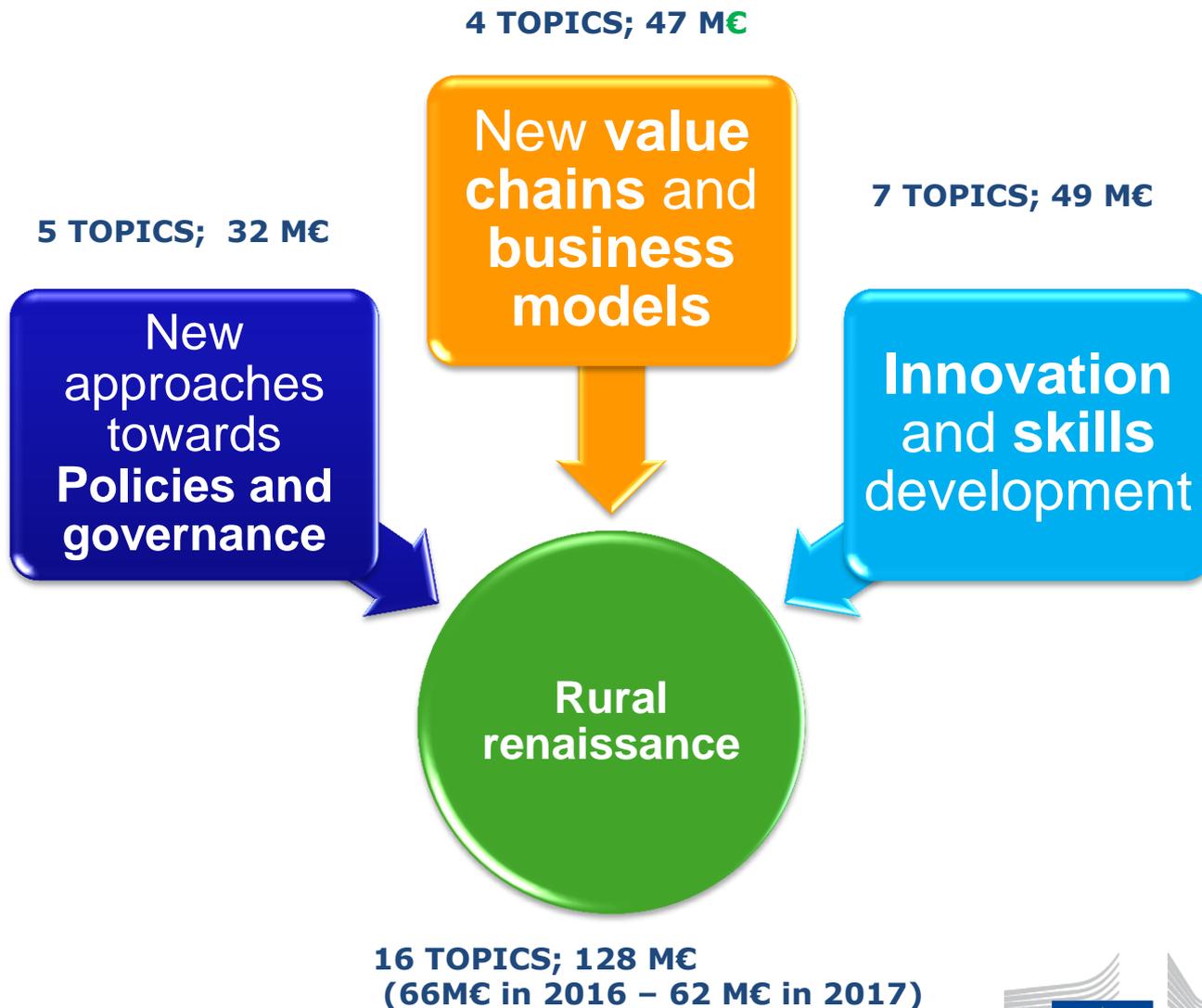
Grasp promising opportunities to boost rural growth and jobs



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



# Rural renaissance : 3 areas



# New approaches towards policies and governance

## 5 topics – 32 M€

- **Territorial interactions:** enhance synergies, adapt policies, foster cross-sectorial cooperation
  - ✓ Rural-urban
  - ✓ Land-sea
- **'Towards 2030':** policies and decision tools for an integrated management of natural resources
- **Economic benefits from ecosystem services:**
  - ✓ Farming & drinking water
  - ✓ Payment for forest ecosystem services



# New value chains and business models



## 4 topics – 47 M€

- **Crop diversification systems** for delivery of food, feed, industrial products and ecosystem services
- Resource-efficient and profitable **industrial crops on marginal lands**
- Demonstration of **integrated logistics** for food and non-food applications
- **Business models** for modern rural economies



# Innovation and skills development



## 7 topics – 49 M€

- **Thematic networks**
- **Experimental and demonstration farms:**
  - ✓ Mapping & linking
  - ✓ Thematic networks of demonstration farms
- Building a future **science and education system**
- **Advisors' role in agriculture knowledge and innovation systems (AKIS)**
- **Working together in EU countries where cooperation level is low**
- **Optimising interactive innovation projects and policies for innovation**



# Multi-actor/thematic network topics relevant for forestry

- **RUR-01-2016:** Consolidated policy framework and governance models for synergies in rural-urban linkages (RIA, 1 pj \* 6 MEUR)
- **RUR-02-2017:** Coastal-rural interactions: Enhancing synergies between land and sea-based activities (RIA, 1 pj \* 5 MEUR)
- **RUR-05-2017:** Novel public policies, business models and mechanisms for the sustainable supply of and payment for forest ecosystem services (IA, 2 pj \* 4 MEUR)
- **RUR-07-2016:** Resource-efficient and profitable industrial crops on marginal land (RIA, 1 pj \* 5 MEUR)
- **RUR-08-2016:** Demonstration of integrated logistics centres for food and non-food applications (IA, 2 pj \* 5 MEUR)

# Multi-actor/thematic network topics relevant for forestry

- **RUR-09-2017:** Business models for modern rural economies (RIA, 2 pj \* 4.5 MEUR)
- **RUR-10-2016-2017:** Thematic Networks compiling knowledge ready for practice (CSA, 5 pj \* 2 MEUR)
- **RUR-13-2017:** Building a future science and education system fit to deliver to practice (RIA, 1 pj \* 7 MEUR)
- **RUR-16-2017:** Optimising interactive innovation project approaches and the delivery of EU policies to speed up innovation in rural areas (RIA, 1 pj \* 5 MEUR)



In the afternoon, parallel sessions were organised per call to present more into details topics and call conditions. A new feature introduced for the organisation of the afternoon session was the possibility for participants to send questions before the event, via online questionnaires, which were then incorporated by speakers in their presentations.

The audience and Twitter followers also had the possibility to react to presentations with additional questions and remarks for speakers. Lively discussions on topics and research priorities continued after presentations were made.

[Agenda](#) (109 kB)

**Morning sessions**

Session 1: Introduction to the Work Programme 2016- 2017

Opening of the Info Day by Gilbert Gascard, Director of the Research Executive Agency and Aldo Longo, Director at the Directorate-General for Agriculture and Rural Development (DG AGRI).

[Insights into the new Work Programme: research priorities and novelties](#) (1.98 Mb) by Elisabetta Balzi, Directorate-General for Research and Innovation (DG RTD).

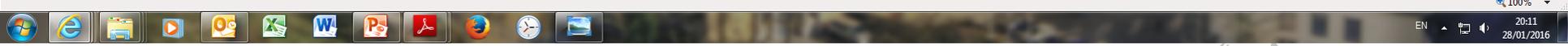
- [Sustainable Food Security](#) by Patrik Kolar, Head of Unit, DG RTD-F.3 (1.56 Mb)
- [Blue Growth](#) by Jacques Fuchs, DG RTD-F.4 (1.53 Mb)
- [Rural Renaissance](#) by Rob Peters, Head of Unit, DG AGRI-H.5 (1.65 Mb)
- [Bio-based innovation](#) by Barend Verachtert, DG RTD-F.2 (857 kB)

Session 2: Information on proposal submission and evaluation including hands-on advice

- [Experience from previous calls and outlook](#) by Kerstin Rosenow, Head of Unit, REA-B.2 (561 kB)
- [Evaluation process including novelties](#) by Olivier Pastre, REA-B2 (1.75 Mb)
- [How to write a good proposal](#) by Dyanne Bennink, REA-B2 (739 kB)

**Afternoon parallel sessions (per call)**

	Sustainable Food Security	Blue Growth and SFS marine topic	Rural Renaissance Bio-based Innovation
Session 1	<a href="#">More resilient and resource efficient value chains</a> (756 kB)	<a href="#">SFS topics on aquaculture and fisheries - SME Instrument</a> (593 kB)	<a href="#">New approaches towards policies and governance</a> (733 kB)
Session 2	<a href="#">Environment-smart and climate-smart primary production</a> (600 kB)	<a href="#">Boosting innovation for emerging Blue Growth activities</a> (756 kB)	<a href="#">New value chains and business models</a> (823 kB)
Session 3	<a href="#">A competitive food industry - Healthy and safe foods and diets for all</a> (650 kB)	<a href="#">The Arctic Dimension</a> (1.23 Mb)	<a href="#">Innovation and skills development</a> (900 kB)
Session 4	<a href="#">EU-Africa and EU-China Cooperation</a> (505 kB) <a href="#">Other topics</a> (1.65 Mb)	<a href="#">Valorising the Mediterranean Sea Basin</a> (444 kB)	<a href="#">Bio-based innovation</a> (701 kB)



# Participant Portal

https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/c... Web Applications Horizon 2020 Societal Challeng... H2020-RUR-2016-2017

File Edit View Favorites Tools Help

Vista - Home Page GHG Management Institu... Basis Welcome to Forum Europ... CPS New Reference Documents - R... Calls - Research Participa... JSIS online Human Resources and Se... Google CIRCABC - Welcome

FP7 & CIP Programmes 2007-2013  
Calls

Other Funding Opportunities

Status Forthcoming Open Closed

Sort by  (Planned) opening date  Deadline  Topic title  Topic identifier

Topic: [RUR-01-2016:Consolidated policy framework and governance models for synergies in rural-urban linkages](#) Open  
 Publication date: 14 October 2015  
 Types of action: RIA Research and Innovation action  
 DeadlineModel: two-stage **Deadline:** 17 February 2016 17:00:00  
 Opening date: 27 October 2015 **2nd stage Deadline:** 13 September 2016 17:00:00  
 Time Zone : (Brussels time)

Topic: [RUR-02-2017:Coastal-rural interactions: Enhancing synergies between land and sea-based activities](#) Forthcoming  
 Publication date: 14 October 2015  
 Types of action: RIA Research and Innovation action  
 DeadlineModel: two-stage **Deadline:** 14 February 2017 17:00:00  
 Opening date: 04 October 2016 **2nd stage Deadline:** 13 September 2017 17:00:00  
 Time Zone : (Brussels time)

Topic: [RUR-03-2017:Towards 2030 - policies and decision tools for an integrated management of natural resources](#) Forthcoming  
 Publication date: 14 October 2015  
 Types of action: RIA Research and Innovation action  
 DeadlineModel: two-stage **Deadline:** 14 February 2017 17:00:00  
 Opening date: 04 October 2016 **2nd stage Deadline:** 13 September 2017 17:00:00  
 Time Zone : (Brussels time)

Topic: [RUR-04-2016:Water farms - improving farming and its impact on the supply of drinking water](#) Open  
 Publication date: 14 October 2015  
 Types of action: RIA Research and Innovation action  
 DeadlineModel: two-stage **Deadline:** 17 February 2016 17:00:00  
 Opening date: 27 October 2015 **2nd stage Deadline:** 13 September 2016 17:00:00  
 Time Zone : (Brussels time)

Topic: [RUR-05-2017:Novel public policies, business models and mechanisms for the sustainable supply of and payment for forest ecosystem services](#) Forthcoming  
 Publication date: 14 October 2015  
 Types of action: IA Innovation action  
 DeadlineModel: single-stage **Deadline:** 14 February 2017 17:00:00  
 Opening date: 04 October 2016  
 Time Zone : (Brussels time)

100%

EN 20:18 28/01/2016

# RUR-05-2017: [...] Payment for forest ecosystem services

- **Specific challenge**: Forests generally provide for a range of goods and services, some valued by existing markets [...], others not. Of the latter, some are "public goods" (i.e. they are non-excludable [...] and are not subject to consumption rivalry), [...], while others are "common-pool resources" (i.e. they are non-excludable goods but subject to competition in use), such as recreation or water supply. [...] If the policy or market fails [...], the undesired outcome is suboptimal provision of ecosystem services.
- **Scope**: Proposals should aim to develop novel public policies, business models and mechanisms to "internalise" the proven socio-economic value of forest ecosystem services ("externalities") and contribute to their sustainable supply, with proper consideration given to the multifunctional role of EU forests. Proposals should consider the holistic basket of economic, socio-cultural, recreational and environmental services, from both the supply and demand side, and the trade-offs between them. They should aim to close the gap between academic work, associated policy recommendations, and practice on the ground, and help achieve public acceptability.
- **Expected impact**: [...] increased incentives for forest owners/administrators to sustainably supply essential ecosystem services [...], while maintaining production of wood and non-wood forest products..

# Call 2016 deadlines

<b>Publication</b>	<b>Submission</b>		<b><u>Deadlines</u></b>	<b>Information to applicants</b>	<b>Grant Agreements</b>
<b>14 OCT 2016</b>	two-stage submission (RIA with some exceptions)	1st stage	<b>17 Feb 2016</b>	May 2016	-
		2nd stage	<b>13 Sept 2016</b>	Nov 2016	May 2017
	single stage submission (IA, CSA, ERA Net)	Single stage	<b>17 Feb 2016</b>	May 2016	October 2016

# Experiences from first call

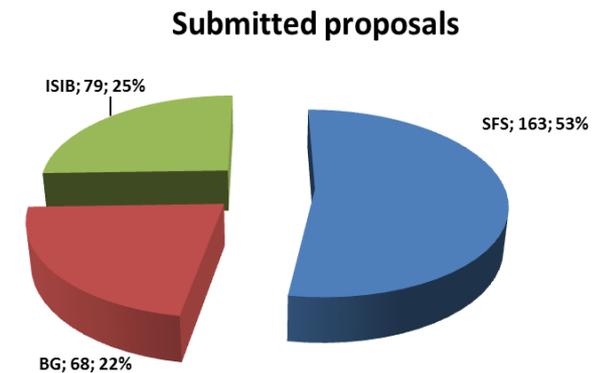


# Results from first Horizon 2020 call: Societal Challenge 2 Work Programme for 2014

Call	Topics	Short Proposals submitted	Full Proposals submitted	Proposals evaluated	Proposals selected
Sustainable Food Security	15	397	163	162	27
Blue Growth	11	128	68	67	17
Innovative, Sustainable Bioeconomy	11	35	79	76	15
		<b>560</b>	<b>310</b>	<b>305</b>	<b>59</b>


**Success rate:**  
 11%: On the basis of short proposals  
 20%: On the basis of full proposals

HORIZON 2020



# How are projects evaluated?



# Evaluation criteria

## Research and Innovation Actions/Innovation Actions

### Excellence

- Clarity and pertinence of the objectives
- Soundness of the concept and credibility of the proposed methodology
- Extent that proposed work is beyond the state of the art (e.g. ground-breaking objectives, novel concepts and approaches), and demonstrates innovation potential
- Credibility of the proposed approach
- Appropriate consideration of interdisciplinary approaches and, where relevant, use of stakeholder knowledge.

### Impact

- The expected impacts listed in the work programme under the relevant topic
- Other impacts not mentioned in the work programme, e.g. innovation capacity, create new market opportunities, strengthen competitiveness and growth of companies, protect the environment or bring other important benefits for society.
- Quality of the proposed measures to:
  - Exploit and disseminate the project results (including management of IPR), and to manage research data where relevant.
  - Communicate the project activities to different target audiences

### Implementation

- Quality and effectiveness of the work plan, is resource allocation in line with objectives, Work Plan and deliverables?
- Management structures and procedures, including risk and innovation management.
- Complementarity of the participants , collective expertise of consortium
- Appropriateness of the allocation of tasks, ensuring that all participants have a valid role and adequate resources in the project to fulfil that role

# Proposal preparation

- Starting **in time**
- Check for **eligibility**
- **Page limits**
- **Evaluation criteria (and sub-criteria)**
- **Writing clearly and concisely:** peer-review
- **Non-“recycling”** irrelevant former projects/partners.
- **Impact matters (at least) as much as excellence!** → Check the expected impacts and scope of the topic in detail

- Ensuring that objectives are **coherent** with the foreseen project activities, partners competence and planned budget per activity.
- **Making good value for money:** all costs should be reasonable in the light of the foreseen outcomes.
- **Type of action** (e.g. RIA vs IA) relevant for e.g. impacts (e.g. policy development vs IPR outputs), evaluation process (one vs two stages), etc.
- **Budget** indication: indicative, but based on a reasoning
- Multi-actor and cross-sectoral topics: assign role/leave room for actors/sectors **not specifically mentioned** in the topic

# Forthcoming programming cycle: 2018-2019 (2020)

## Strategic programming 2018-2020

- stock taking, now starting: Gap analysis, SCAR (e.g. Foresight Oct 2015), internal consultations (e.g. policy developments), Conferences (e.g. Agricultural R&I Jan 2016), Interim evaluation H2020, AG input, ETPs Agenda, various studies, etc.
- Scoping paper: adopted by PC/EC Autumn 2016

## Work Programme 2018-2019 (2020)

- Following AG report, drafting Jan-June 2017: PC Consultation
- Official adoption by EC: Autumn 2017

**Communication:** NCP Meetings, Info Days: late 2017



# HORIZON 2020

**Thank you !**

**Find out more:**

[www.ec.europa.eu/research/horizon2020](http://www.ec.europa.eu/research/horizon2020)