



# Segundo foro virtual: Programas de Trabajo 2016 -2017 del Programa Marco de Investigación e Innovación HORIZONTE 2020

## PROMOVIENDO REDES ENTRE LA UNION EUROPEA Y LATINOAMERICA

### Reto Social 2

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## Contenido

### 1. Que es el Programa H2020.

Reto Social 2: Seguridad alimentaria, agricultura sostenible, investigación marina y marítima y bioeconomía

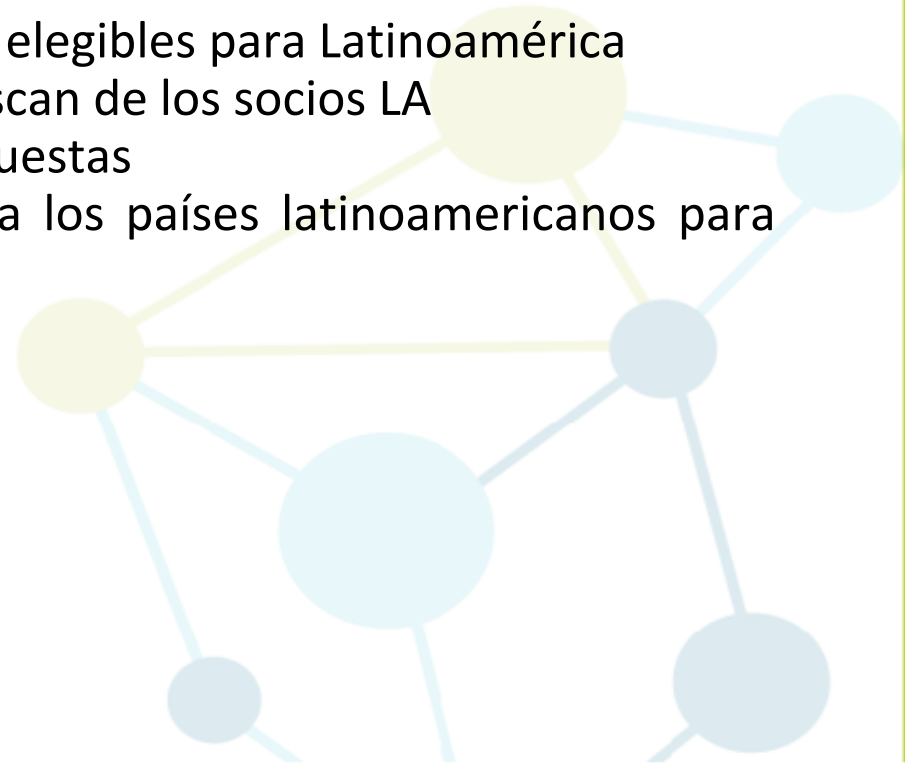
### 2. Cuáles son las calls de los WP 2016 -2017, elegibles para Latinoamérica

### 3. Construcción de consorcios, perfil que buscan de los socios LA

### 4. Aspectos a considerar para formular propuestas

### 5. Consejos generales y recomendaciones a los países latinoamericanos para participar en un proyecto H2020

### 6. Contactos y soporte



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## Excellent Science

European Research Council (ERC)

Future and Emerging Technologies (FET)

Marie Skłodowska-Curie actions on skills, training and career development

European research infrastructures

## Industrial Leadership

ICT

Nanotechnology

**Biotechnology**

Advanced Materials

Advanced Manufacturing & Processing

Space

Access to Risk Finance

Innovation in SMEs



## Societal Challenges

Health, demographic change and wellbeing

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-Inclusive, innovative and reflexive societies

Secure Societies: Protecting freedom and security of Europe and its citizens

Fuente: División de Programas EU. CDTI

# Proposed Work Programme Cycle

2014	2015	2016	2017	2018	2019	2020
Strategic Programme						
Work Programme 1 (plus tentative information for 2016)		Strategic Programme				
		Work Programme 2 (plus tentative information for 2018)		Strategic Programme		
				Work Programme 3 (plus tentative information for 2020)		
						Work Programme 4





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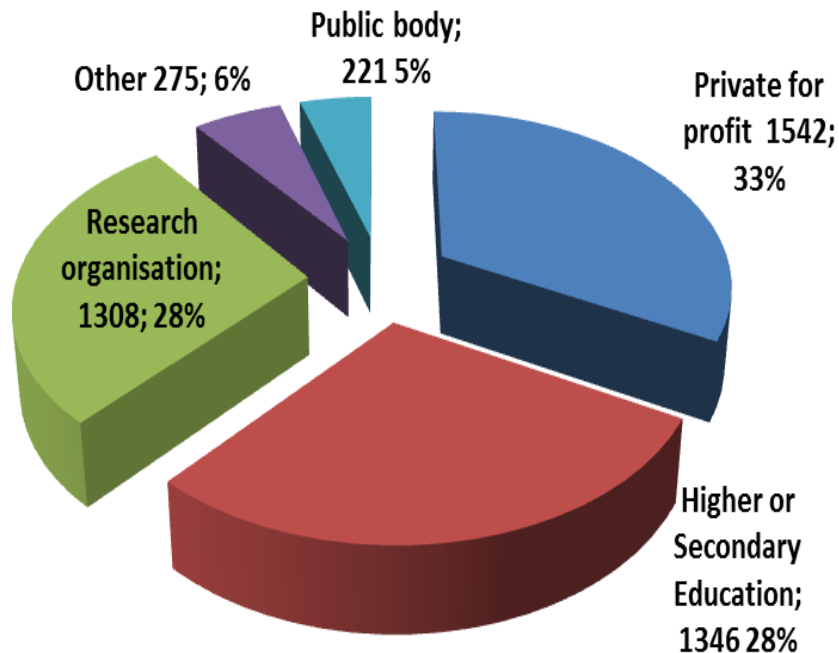
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## Participants by TYPE OF ACTIVITY

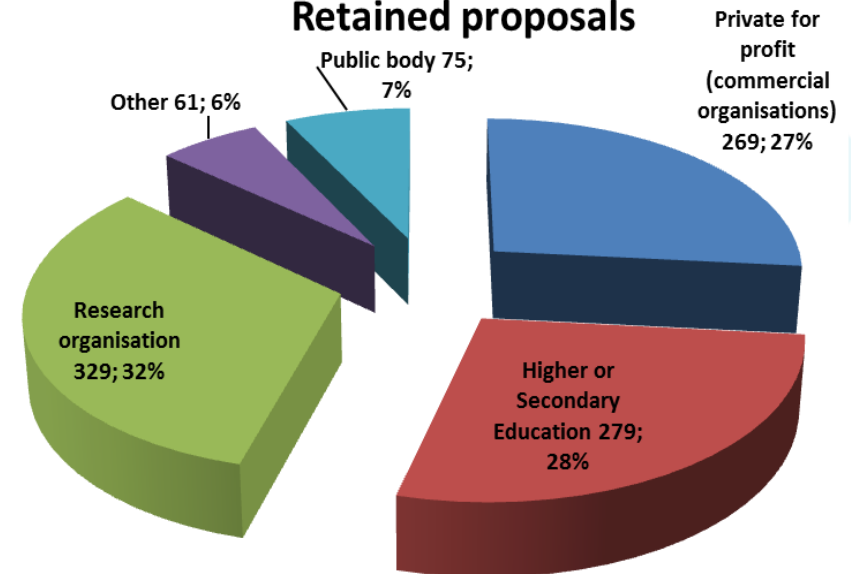
SUBMITTED

Submitted proposals

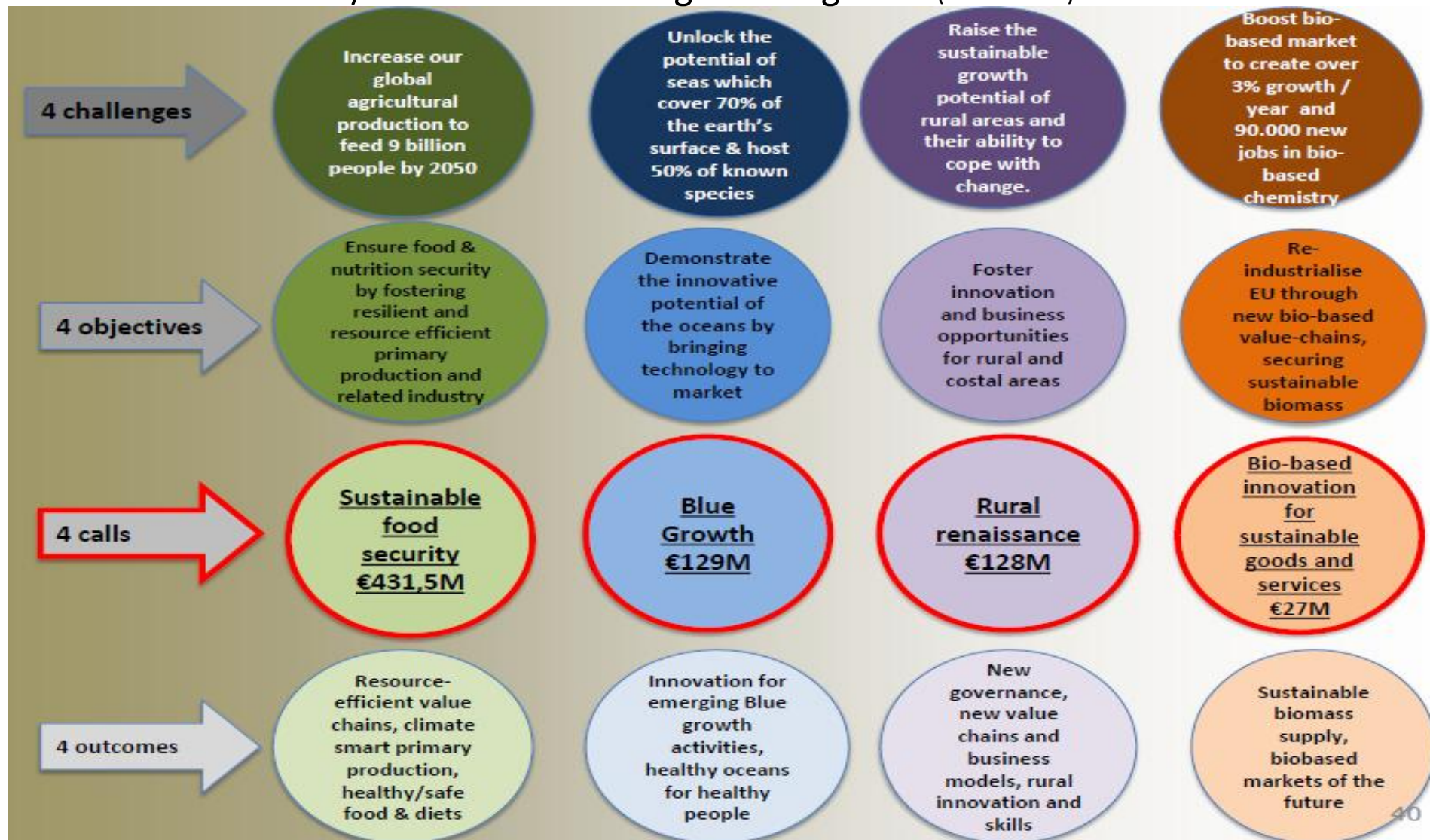


RETAINED

Retained proposals



## WP 2016/17 Societal Challenge 2 at a glance (Fuente: CE)





## Sustainable food security TOPICS summary

### Resilient, resource- efficient value chains

- Abiotic stresses
- Biotic stresses
- Operationalising the resilience concept
- Optimising use of critical inputs
- Specific actions for organic farming
- Sustainable fisheries and aquaculture
- ERANETS/ SCAR

25 topics 206M€

### Environment Climate- smart primary production

- Carbon and nitrogen cycling in agro-ecosystems
- Specific production systems
- Ecosystem services
- Socio-economics, demography and resilience of farms

7 topics 64M€

### Competitive food industry

- Resilient, sustainable and transparent value chains
- Food losses
- Resource efficient processes in food chain
- Food packaging; labelling

3 topics 24M€

### Healthy food and diets for all

- One Health co-fund (zoonoses)
- Dietary choices of children; consumers and food safety;
- Diet/impulsivity/compulsivity; obesity; sweeteners

5 topics 85,5M€

## Call - Sustainable Food Security – Resilient and resource-efficient value chains

### More resilient and resource efficient value chains

- SFS-01-2016: Solutions to multiple and combined stresses in crop production MA
- SFS-02-2016: Teaming up for good: Exploiting the benefits of species diversity in cropping systems MA
- SFS-03-2016: Testing and breeding for sustainability and resilience in crops
- SFS-04-2017: New partnerships and tools to enhance European capacities for in-situ conservation MA
- SFS-05-2017: Robotics Advances for Precision Farming
- SFS-06-2016: Weeding - strategies, tools and technologies for sustainable weed management
- SFS-07-2016-2017: Organic breeding – Increasing the competitiveness of the organic breeding and farming sectors MA
- SFS-08-2017: Organic inputs – contentious inputs in organic farming MA
- SFS-09-2016: Spotlight on critical outbreak of pests: the case of *Xylella fastidiosa* MA
- SFS-10-2017: Research and approaches for emerging diseases in plants and terrestrial livestock MA
- SFS-11-2016: Challenges for disease management: Perennial crops in the tropics and sub-tropics MA
- SFS-12-2016: Support for international research on animal health
- SFS-13-2017: Validation of diagnostic tools for animal and plant health
- SFS-14-2016: Understanding host-pathogen-environment interactions
- SFS-15-2016-2017: Breeding livestock for resilience and efficiency MA
- SFS-16-2017: Bee health and sustainable pollination MA
- SFS-17-2017: Innovations in plant protection MA
- SFS-18-2016: Framework Partnership Agreement supporting Joint Actions towards Public-Public Partnerships in the Bioeconomy
- SFS-19-2016: ERA-NET Cofund: Public-Public Partnerships in the bioeconomy
- SFS-20-2017: Towards a science-based regionalisation of the Common Fisheries Policy MA
  
- SFS-21-2016/2017: Advancing basic biological knowledge and improving management tools for commercially important fish and other seafood species
- SFS-22-2017: Smart fisheries technologies for an efficient, compliant and environmentally friendly fishing sector
- SFS-23-2016: Improving the technical performance of the Mediterranean aquaculture
- SFS-24-2016: Reinforcing international cooperation on sustainable aquaculture production with countries from South-East Asia
- SFS-25-2016: Support Action to a common agricultural and wider bioeconomy research agenda

#### **Environment-smart and climate-smart primary production**

SFS-26-2016: Legumes - transition paths to sustainable legume-based farming systems and agri-feed and food chains MA

SFS-27-2017: Permanent grassland – farming systems and policies MA

SFS-28-2017: Functional biodiversity – productivity gains through functional biodiversity: effective interplay of crop pollinators and pest predators MA

SFS-29-2017: Socio-eco-economics – socio-economics in ecological approaches

SFS-30-2017: Closing loops at farm and regional levels to mitigate GHG emissions and environmental contamination - focus on carbon, nitrogen and phosphorus cycling in agro-ecosystems MA

SFS-31-2016: Farming for tomorrow - developing an enabling environment for resilient and sustainable agricultural systems

SFS-32-2017: Promoting and supporting the eco-intensification of aquaculture production systems: inland (including fresh water), coastal zone, and offshore

#### **A competitive food industry**

SFS-33-2016: Understanding food value chain and network dynamics

SFS-34-2017: Innovative agri-food chains: unlocking the potential for competitiveness and sustainability MA

SFS-35-2017: Innovative solutions for sustainable food packaging

#### **Healthy and safe foods and diets for all**

SFS-36-2017: Co-fund on "One Health" (zoonoses – emerging threats)

SFS-37-2016: The impact of consumer practices in food safety: risks and mitigation strategies MA

SFS-38-2016: Impulsivity and compulsivity and the link with nutrition, lifestyle and the socio-economic environment

SFS-39-2017: How to tackle the childhood obesity epidemic? MA

SFS-40-2017: Sweeteners and sweetness enhancers

#### **Support to the Implementation of the EU-Africa Partnership on Food and Nutrition Security and Sustainable Agriculture**

SFS-41-2016: EU-Africa Research and Innovation partnership on food and nutrition security and sustainable agriculture

SFS-42-2016: Promoting food and nutrition security and sustainable agriculture in Africa: the role of innovation MA

SFS-43-2017: Earth observation services for the monitoring of agricultural production in Africa

#### **Implementation of the EU-China FAB Flagship initiative**

SFS-44-2016: A joint plant breeding programme to decrease the EU's and China's dependency on protein imports

SFS-45-2016: Increase overall transparency of processed agri-food products

SFS-46-2017: Alternative production system to address anti-microbial drug usage, animal welfare and the impact on health

SFS-47-2017: Management of soil water resources in the EU and China and its impact on agro-ecosystem functions

SFS-48-2017: Resource-efficient urban agriculture for multiple benefits – contribution to the EU-China Urbanisation Partnership MA

## Blue Growth TOPICS summary

### Boosting innovation for emerging Blue Growth activities

- Large-scale integrated algae bio-refineries
- High value-added specialised vessel concepts
- Multi-use of the oceans marine space, offshore and near-shore:
  - Legal and environmental issues
  - Enabling technologies
- ERANET cofund on Marine technologies

5 topics 57M€

### Linking healthy oceans and seas with healthy people

- Interaction between people, oceans and seas:
- Blue green innovation for clean coasts and seas
- Innovative sustainable solutions for improving the safety and dietary properties of seafood

3 topics 21M€

### The Arctic Dimension

- An integrated Arctic observing system
- Impact of Arctic changes on the weather and climate of the Northern Hemisphere
- Climate impacts on Arctic permafrost and its socio-economic impact, with a focus on coastal areas

3 topics 40M€

### Valorising the Mediterranean Sea basin

- Towards an integrated Mediterranean Sea Observing System
- Support to the BLUEMED Initiative: Coordination of marine and maritime research and innovation activities in the Mediterranean

2 topics 11M€

## **Call - Blue Growth - Demonstrating an ocean of opportunities**

### **Boosting Innovation for emerging Blue Growth activities**

BG-01-2016: Large-scale algae biomass integrated biorefineries

BG-02-2016/2017: High value-added specialised vessel concepts enabling more efficient servicing of emerging coastal and offshore activities

BG-03-2016: Multi-use of the oceans' marine space, offshore and near-shore: compatibility, regulations, environmental and legal issues

BG-04-2017: Multi-use of the oceans marine space, offshore and near-shore: Enabling technologies

BG-05-2016: ERA-NET Cofund on marine technologies

### **Linking healthy oceans and seas with healthy people**

BG-06-2017: Interaction between people, oceans and seas: a strategic approach towards healthcare and well-being

BG-07-2017: Blue green innovation for clean coasts and seas

BG-08-2017: Innovative sustainable solutions for improving the safety and dietary properties of seafood

### **The Arctic Dimension**

BG-09-2016: An integrated Arctic observation system

BG-10-2016: Impact of Arctic changes on the weather and climate of the Northern Hemisphere

BG-11-2017: The effect of climate change on Arctic permafrost and its socio-economic impact, with a focus on coastal areas

### **Valorising the Mediterranean Sea Basin**

BG-12-2016: Towards an integrated Mediterranean Sea Observing System

BG-13-2016: Support to the BLUEMED Initiative: Coordination of marine and maritime research and innovation activities in the Mediterranean



## **Call - Bio-based innovation for sustainable goods and services - Supporting the development of a European Bioeconomy**

### **Securing sustainable biomass supply for bio-based goods and services**

BB-01-2016: Sustainability schemes for the bio-based economy

BB-02-2017: Towards a method for the collection of statistical data on bio-based industries and bio-based products

BB-03-2017: Adaptive tree breeding strategies and tools for forest production systems resilient to climate change and natural disturbances

BB-04-2016: Intelligent solutions and tools in forest production systems, fostering a sustainable supply of quality wood for the growing bioeconomy

### **Building the "bio-based markets of the future"- mobilising stakeholders engagement**

BB-05-2017: Bio-based products: Mobilisation and mutual learning action plan

BB-06-2016: The regional dimension of bio-based industries



## Rural renaissance TOPICS summary

### Policies & governance

**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
- Forest ecosystem services (IA)

5 topics 32M€

### Value chains & business models

• **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**

4 topics 47M€

### Innovation and skill development

• **Thematic networks**

• **Experimental and demonstration farms:**

• **Building a future science and education system**

• **Advisors' role in AKIS**

• **Working together in EU countries where cooperation level is low**

• **Optimising interactive innovation projects and policies for innovation**

7 topics 49M€

## **Call - Rural Renaissance - Fostering innovation and business opportunities**

### **New approaches towards policies and governance**

RUR-01-2016: Consolidated policy framework and governance models for synergies in rural-urban linkages MA

RUR-02-2017: Coastal-rural interactions: Enhancing synergies between land and sea-based activities MA

RUR-03-2017: Towards 2030 - policies and decision tools for an integrated management of natural resources

RUR-04-2016: Water farms – improving farming and its impact on the supply of drinking water MA

RUR-05-2017: Novel public policies, business models and mechanisms for the sustainable supply of and payment for forest ecosystem services MA

### **New value chains and business models**

RUR-06-2016: Crop diversification systems for the delivery of food, feed, industrial products and ecosystems services - from farm benefits to value-chain organisation MA

RUR-07-2016: Resource-efficient and profitable industrial crops on marginal land MA

RUR-08-2016: Demonstration of integrated logistics centres for food and non-food applications MA

RUR-09-2017: Business models for modern rural economies MA

### **Innovation and skill development**

RUR-10-2016-2017: Thematic Networks compiling knowledge ready for practice MA

RUR-11-2016: On-farm demonstrations: deepening farmer-to-farmer learning mechanisms MA

RUR-12-2017: Networking European farms to boost thematic knowledge exchanges and close the innovation gap MA

RUR-13-2017: Building a future science and education system fit to deliver to practice MA

RUR-14-2016: Advisors' roles in the functioning of AKIS and advisory policies boosting innovation in sustainable agriculture MA

RUR-15-2017: The benefits of working with others – fostering social capital in the farming sector MA

RUR-16-2017: Optimising interactive innovation project approaches and the delivery of EU policies to speed up innovation in rural areas MA



## 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;**

## SC2 Calls 2016 - DATES

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



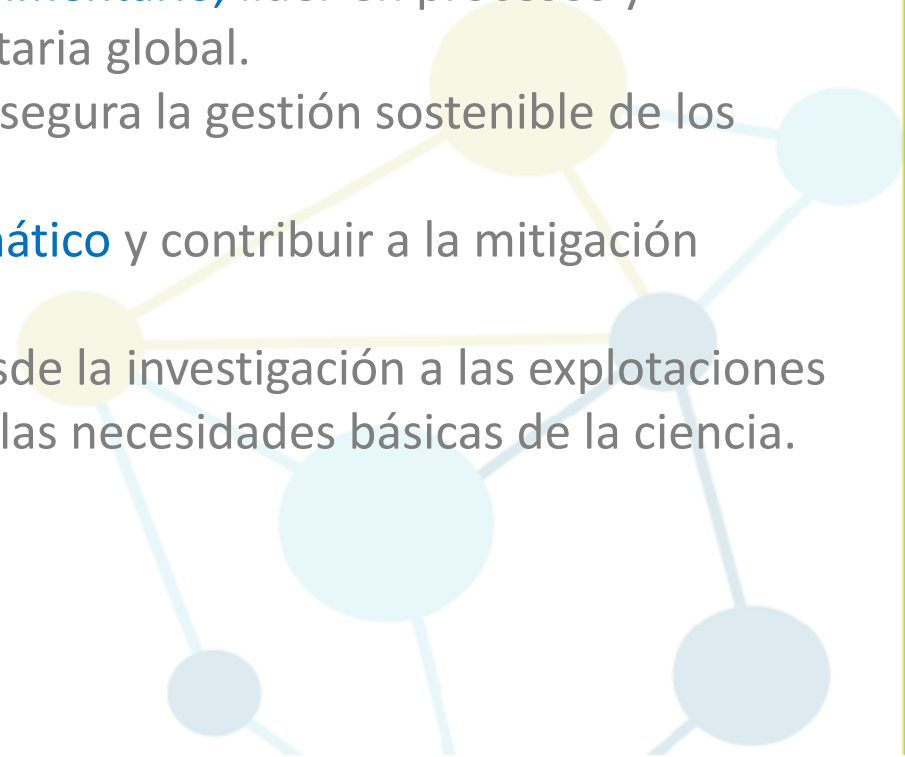
eip-agri  
AGRICULTURE & INNOVATION





## Objetivos:

- ✓ Fortalecer la **competitividad del sector agro-alimentario**, líder en procesos y productos que contribuya a la seguridad alimentaria global.
- ✓ Incrementar la **productividad** a la vez que se asegura la gestión sostenible de los recursos
- ✓ Adaptarse a las **implicaciones del Cambio Climático** y contribuir a la mitigación reduciendo los GEI.
- ✓ Acelerar la **transferencia del conocimiento** desde la investigación a las explotaciones agrarias asegurando la retroalimentación sobre las necesidades básicas de la ciencia.  
(Aproximación Bottom-Up)



The **multi-actor approach\*** aims at more demand-driven innovation through the genuine and sufficient involvement of various actors (end-users such as farmers/farmers' groups, fishers/fisher's groups, advisors, enterprises, etc.) all along the project: from the participation in the planning of work and experiments, their execution up until the dissemination of results and a possible demonstration phase. The adequate choice of key actors with complementary types of knowledge (scientific and practical) should be reflected in the consortium and in the description of the project concept, and result in a broad implementation of project results. The multi-actor approach is more than a strong dissemination requirement or than what a broad stakeholders' board can deliver: it should be illustrated in the project proposal with sufficient quantity and quality of knowledge exchange activities and a clear role for the different actors in the work. This should generate innovative solutions that are more likely to be applied thanks to cross-fertilisation of ideas between actors, co-creation and generation of co-ownership for eventual results. A multi-actor project proposal needs to demonstrate how the project proposal's objectives and planning are targeted to needs / problems and opportunities of end-users, and its complementarity with existing research and best practices. The project should result in some practical knowledge which is easily understandable and accessible, and substantial in qualitative and quantitative terms. As a minimum, this material should feed into the European Innovation Partnership (EIP) 'Agricultural Productivity and Sustainability' for broad dissemination as 'practice abstracts' in the common EIP format for practitioners<sup>5</sup>. Facilitation/mediation between the different types of actors and involvement of relevant interactive innovation groups operating in the EIP context, such as EIP Operational Groups funded under Rural Development Programmes, are strongly recommended. For projects on fisheries, aquaculture, marine and inland water issues or other areas not covered by the EIP-AGRI, other similarly effective solutions for dissemination should be explored.

\*Pág 9 WP 2016-17 SC2:

[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016\\_2017/main/h2020-wp1617-food\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-food_en.pdf)

## Link to On-going Multiactor projects

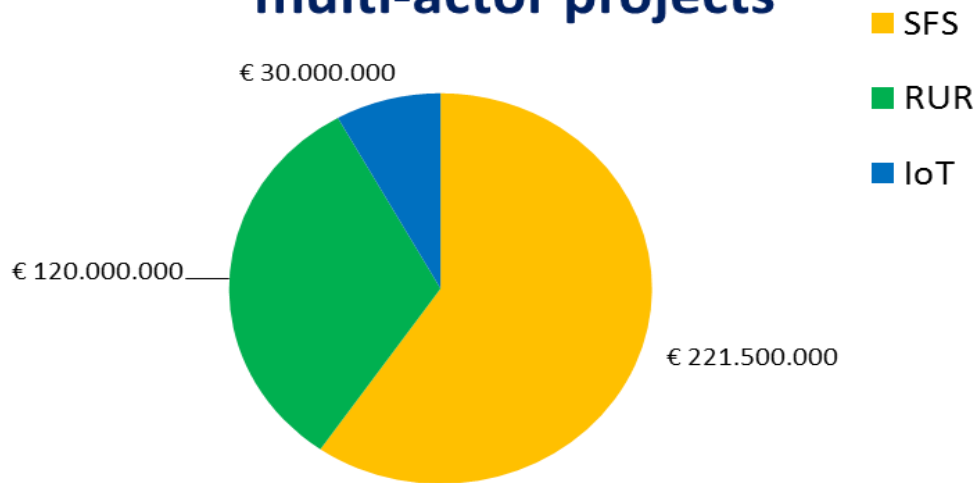
Topic Code	Retained for Funding	Acronym
SFS-01a-2014	1	Feed-a-Gene
SFS-02a-2014	1	FATIMA
SFS-03a-2014	2+1	EMPHASIS
		nEUROSTRESSPEP
		PONTE
SFS-04-2014	2	ISQAPER
SFS-07a-201	3	DIVERSIFOOD
		TREASURE
		TRADITOM
ISIB-2-2014	4	HENOVATION
		AGRISPIN
		WINETWORK
		OK-NET

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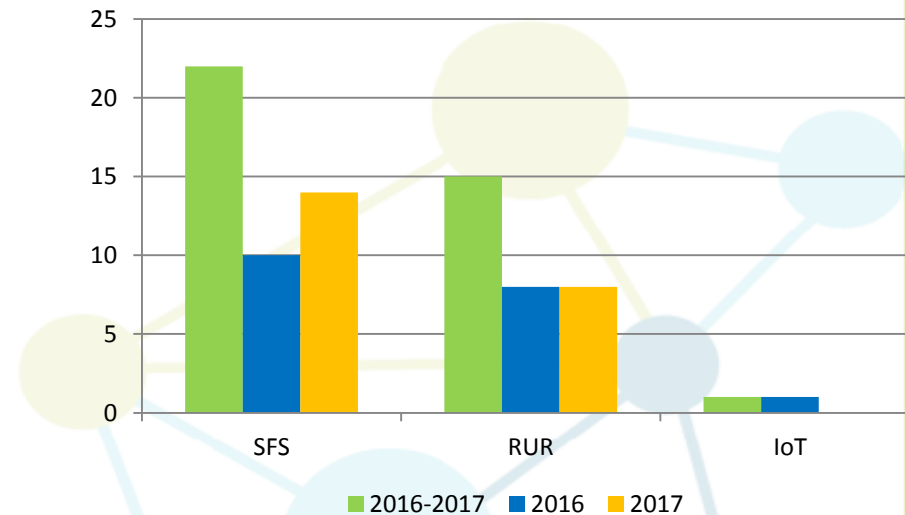
<b>SFS-1C-2015</b>	<b>iSAGE</b>	<b>Sustainability of terrestrial livestock</b>
<b>SFS-2B -2015</b>	<b>SOILCARE</b>	<b>Soil cropping improving systems</b>
<b>SFS-5-2015</b>	<b>NEURICE</b>	<b>Crop productivity strategies (Genetics x Environment x Management)</b>
	<b>GoodBerry</b>	
	<b>TomGEM</b>	
<b>SFS-13-2015</b>	<b>MyToolBox</b>	<b>Biological contamination of crops and food chain</b>
	<b>MycoKey</b>	
<b>SFS-20-2015</b>	<b>Strength2Food</b>	<b>Sustainable food chains: EU quality policy and public sector procurement</b>
<b>ISIB-2-2015</b>	<b>Smart-AKIS</b>	<b>Smart Farming Technology: Farm Management Information Systems, Precision Agriculture and Agriculture automation and robotics</b>
	<b>HNV-Link</b>	<b>Support HNV farmlands through knowledge and innovation</b>
	<b>AGRIFORVALOR</b>	<b>Valorization of biomass side-streams from agriculture and forest</b>
	<b>4D4F</b>	<b>Data and sensor driven decision making on dairy farms</b>
	<b>EuroDairy</b>	<b>Practice-based innovations in dairy farming: resource efficiency, Biodiversity, Animal care, and Socio-economic resilience</b>
	<b>EUFRUIT</b>	<b>fruit: cultivar development, minimise residues, storage and fruit quality, sustainability of production systems</b>
<b>ISIB-4b-2015</b>	<b>ALTERFOR</b>	<b>Improved forest management models</b>
<b>WATER-4b-2015</b>	<b>FERTINNOWA</b>	<b>Optimize water and nutrient use efficiency: dbase on innovative technologies and practices for fertigation of horticultural crops</b>

- WP 2014-2015 X 2,5 → 371,5 Million euros
- 38 topics in 3 calls: SFS (221), RUR (120), IoT (30)

**Distribution of budget for multi-actor projects**



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





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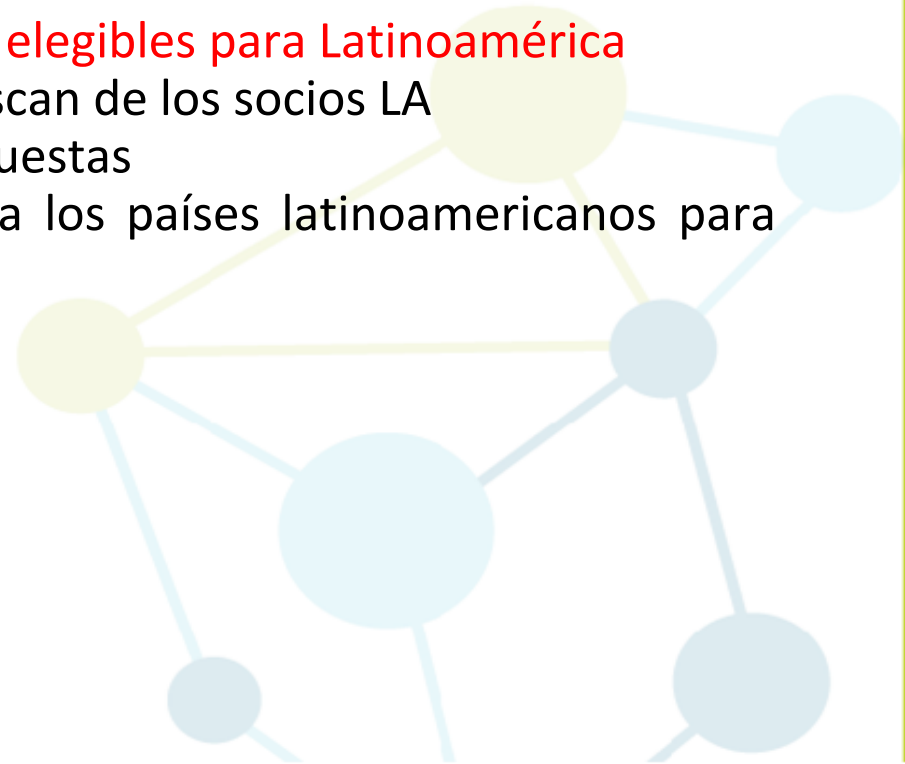
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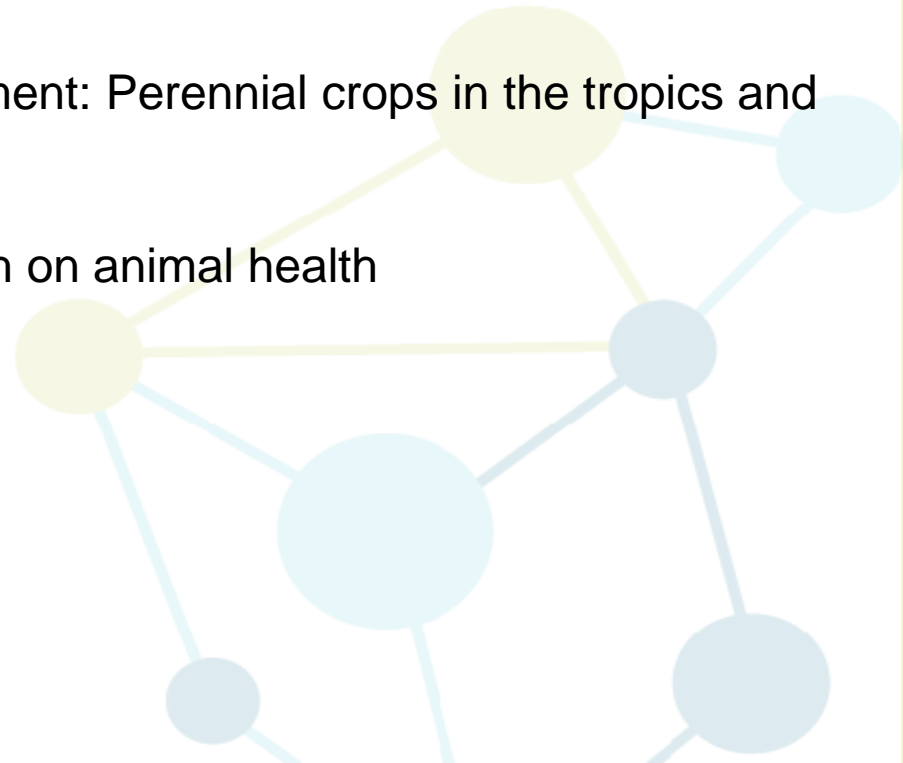
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- SFS-12-2016: Support for international research on animal health



- SFS-09-2016: Spotlight on critical outbreak of pests: the case of *Xylella fastidiosa*  
There is a project on *Xylella* already funded under H2020: PONTE  
Coordinator: CNR (IT)  
More info: <https://ec.europa.eu/programmes/horizon2020/en/news/workshop-xylella-fastidiosa-knowledge-gaps-and-research-priorities-eu>



•SFS-10-2017: Research and approaches for emerging diseases in plants and terrestrial livestock



- SFS-11-2016: Challenges for disease management: Perennial crops in the tropics and sub-tropics
  - Possibilities for institutions working in :
    - Coffee diseases
    - Banana diseases



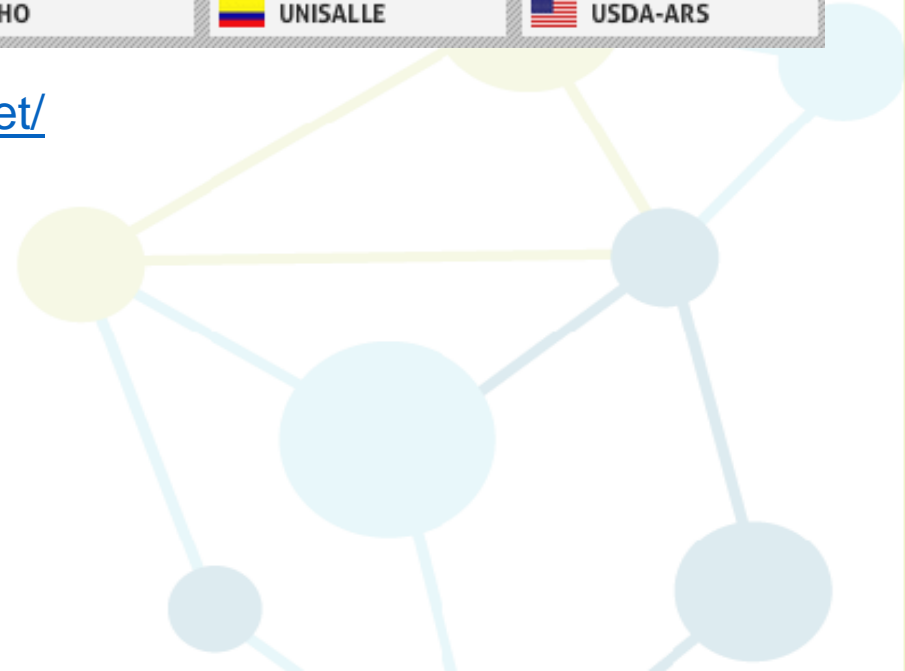
## Topics with opportunities for LAC institutions

- SFS-12-2016: Support for international research on animal health

Former partners of STARD-IDAZ project in Americas network:



<http://www.star-idaz.net/>



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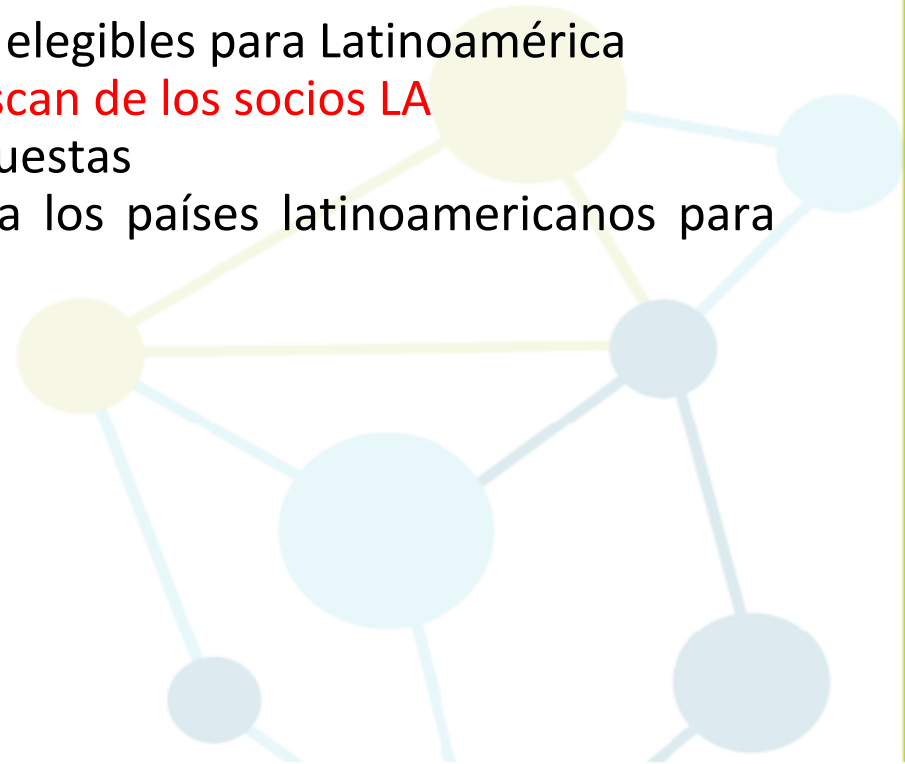
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## EU Programmes 2014-2020

Search Topics

Updates  

Calls  

H2020

Research Fund for Coal & Steel

COSME

3rd Health Programme

Consumer Programme

Justice Programme

## FP7 & CIP Programmes 2007-2013

Calls

Other Funding Opportunities

[Call budget overview](#)

## TOPIC: Challenges for disease management: Perennial crops in the tropics and sub-tropics

**Topic identifier:** SFS-11-2016

**Publication date:** 14 October 2015

**Types of action:** RIA Research and Innovation action

**DeadlineModel:** two-stage

**Opening date:** 27 October 2015

**Deadline:** 17 February 2016 17:00:00

**2nd stage Deadline:** 13 September 2016 17:00:00

Time Zone : (Brussels time)



Horizon 2020

> Societal Challenges

Call : [H2020-SFS-2016-2017](#)

[H2020 website](#)

### Topic Description

- Less

#### Specific Challenge:

Favourable conditions for disease development in the tropics and sub-tropics hit perennial crops[[For the purpose of this topic the term "perennial crops" is used in a wide sense. It covers crops which are alive year-round, are harvested multiple times before dying and occupy the same plot for at least three years.]] particularly hard, especially in uniform plantings. Overall, losses are thought to be 50 to 100% higher in tropical than in temperate regions; estimates of the former range from 30 to 50%.The effects of increased climatic variation are expected to further increase the occurrence of pests and diseases as well resistance against crop protection measures. This threatens to affect the production of many economically important crops and the incomes of small holders in particular.





### **Scope:**

The work proposed will develop integrated approaches to the management of important pests and diseases of perennial tropical and sub-tropical crops. Activities will address gaps in our knowledge on the disease cycle including climatic and cultural factors that influence the cycle and changes in farming practices. They will develop more effective and sustainable management options which are based on a holistic view of agro-ecosystems and a better understanding of the bearing that climatic changes may have on plant diseases and their management. They should propose novel solutions to improve forecasting, monitoring and information on biotic threats. Proposals should fall under the concept of the 'multi-actor approach'[[See definition of the 'multi-actor approach' in the introduction to this Work Programme part.]] based on genuine collaborations between producers (including small farmers), researchers, advisory services and the commercial sector. Dissemination and demonstration of findings and outputs shall be given particular attention. The integration of social and economic sciences will support the uptake of new methods and tools in plant disease management and take into account the specificities of farming systems. International collaboration is essential to meet the requirements of the topic (see conditions for minimum number of participants under evaluation procedures in section "Conditions for the SFS call")

The Commission considers that proposals requesting a contribution from the EU of up to EUR 4 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

### **Expected Impact:**

Project outputs will result in an increased uptake of integrated disease management approaches. These will benefit sustainable production of important perennial crops in tropical and sub-tropical regions within Europe and elsewhere by:

- delivering applicable knowledge on the biology of pests and diseases and on the disease cycle;
- expanding the set of sustainable measures and tools available to farmers to prevent and deal with important pests and diseases;
- reducing yield losses and stabilising production;
- enhancing capacity in conventional and low-input farming sectors (including small holder farming) to apply more complex cultural practices, e.g. in line with integrated pest and disease management principles;
- reducing reliance on critical pesticides in farming practices, thereby also supporting product quality and human health (e.g. that of applicators and consumers);
- improving capacity of plant health authorities and advisory services to prevent diseases; and
- triggering product, technology and service innovations in support of plant health and plant protection.

**Type of Action**      **Research and Innovation action [RIA]**

Observar con atención los requisitos establecidos en el topic para la participación de terceros países. Ej: topic SFS-10-2017: Research and approaches for emerging diseases in plants and terrestrial livestock

#### Topic Description

##### Specific Challenge:

Trade and the movement of goods and people have facilitated the transfer and spread of plant and animal diseases, the prevalence of which is expected to increase further as a result of intensification, changes in agricultural practices and climatic variations. Emerging diseases in plants or terrestrial animals can be a substantial impact on agricultural and forest productivity, trade and public health. Appropriate and rapid responses by decision-makers need to be informed by scientific evidence, addressing as far as possible all components of disease management in particular with regard to epidemiology (e.g. source, transmissibility, susceptible species), host-pathogen interactions, diagnostics, means of prevention and control, as well as risk management.

##### Scope:

Proposals will contribute to understanding the drivers of disease emergence and to finding adequate responses to emerging diseases in plants (work on *Xylella fastidiosa* is excluded under this call topic) and newly emerging diseases in terrestrial animals. They will target one or more of the pests and diseases threatening EU agriculture/forestry (regulated or non-regulated, invasive or native) and causing significant economic losses. The choice of target species should consider the potential threat in terms of development and spread as well as potential impact on agricultural production, public health, or trade. Proposals should increase knowledge on the biology of the pest(s) as well as on the development and spread of the disease(s). They should improve methods and strategies for risk assessment, prevention and containment and enlarge the range of tools for integrated and sustainable pest/disease management. International cooperation with countries affected or threatened by the same pest(s)/disease(s) is encouraged. Proposals should fall under the concept of the 'multi-actor approach'[[See definition of the 'multi-actor approach' in the introduction to this Work Programme part.]] and be based on the active participation of stakeholders from research, plant/animal health authorities and the farming and business sectors. Partners from non-EU regions particularly affected by the targeted pests and disease(s) should also be involved. As regards livestock, proposals should contribute as appropriate to the objectives of the STAR-IDAZ international research consortium (see SFS-12-2016). They should involve cooperation as appropriate with relevant initiatives, e.g. in the context of such as EUPHRESKO and STAR-IDAZ, and other funded projects in this field, e.g. those selected under SFS-14-2016.

## Contenido

1. Que es el Programa H2020.

Reto Social 2: Seguridad alimentaria, agricultura sostenible, investigación marina y marítima y bioeconomía

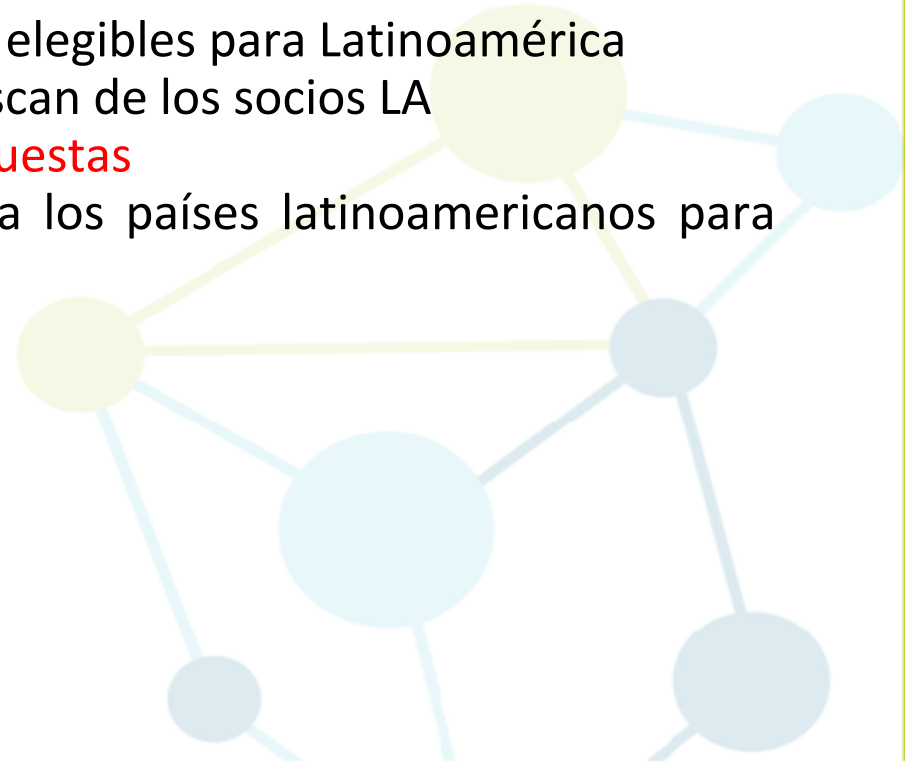
2. Cuáles son las calls de los WP 2016 -2017, elegibles para Latinoamérica

3. Construcción de consorcios, perfil que buscan de los socios LA

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6. Contactos y soporte



## Research and Innovation Actions/Innovation Actions/ SME instrument

- ✓ For the first stage of a two-stage procedure, only the aspects of the criteria in yellow are evaluated

### Excellence

**Clarity and pertinence of the objectives**

**Soundness of the concept, including trans-disciplinary considerations, where relevant**

**Extent that proposed work is ambitious, has innovation potential, and is beyond the state of the art (e.g. ground-breaking objectives, novel concepts and approaches)**

Credibility of the proposed approach

### Impact

**The expected impacts listed in the work programme under the relevant topic**

Enhancing innovation capacity and integration of new knowledge

Strengthening the competitiveness and growth of companies by developing innovations meeting the needs of European and global markets; and, where relevant, by delivering such innovations to the markets

Any other environmental and socially important impacts (not already covered above)


Effectiveness of the proposed measures to exploit and disseminate the project results (including management of IPR), to communicate the project, and to manage research data where relevant

### Implementation

Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources

Complementarity of the participants within the consortium (when relevant)

Appropriateness of the management structures and procedures, including risk and innovation management

- **There are three evaluation criteria:**
  - Excellence (relevant to the topic of the call)
  - Impact
    - ❑ Communication activities 
  - Quality and efficiency of the implementation
    - ❑ This criterion is not evaluated in the first stage of a two-stage procedure
- **The criteria are adapted to each type of actions, as specified in the WP**

**Innovation Management:** is a process which requires an understanding of both market and technical problems, with a goal of successfully implementing appropriate creative ideas.

**Typical Output:** new or improved product, service or process.

**For consortium:** it allows to respond to an external or internal opportunity.



## Proposal scoring

### Instructions

Remove bullet points that do not apply to the type of action and procedure (single or two stage) of your call/topic

- **You give a score of between 0 and 5 to each criterion based on your comments**
  - Half-marks can be used
  - The whole range of scores should be used
  - Scores must pass *thresholds* if a proposal is to be considered for funding
- **Thresholds apply to individual criteria...**

The default threshold is 3 (unless specified otherwise in the WP)
- **...and to the total score**

The default overall threshold is 10 (unless specified otherwise in the WP)
- **For Innovation actions and the SME instrument, the criterion Impact is given a weight of 1.5 to determine the ranking**
- **For first stage of a two-stage procedure, you only evaluate the criteria *Excellence* and (part of) *Impact***
  - In that case, only the aspects of the criteria in bold are considered
  - Default threshold for individual criteria is 4 (unless specified otherwise in the WP)
  - Default overall threshold is 8 (unless specified otherwise in the WP)

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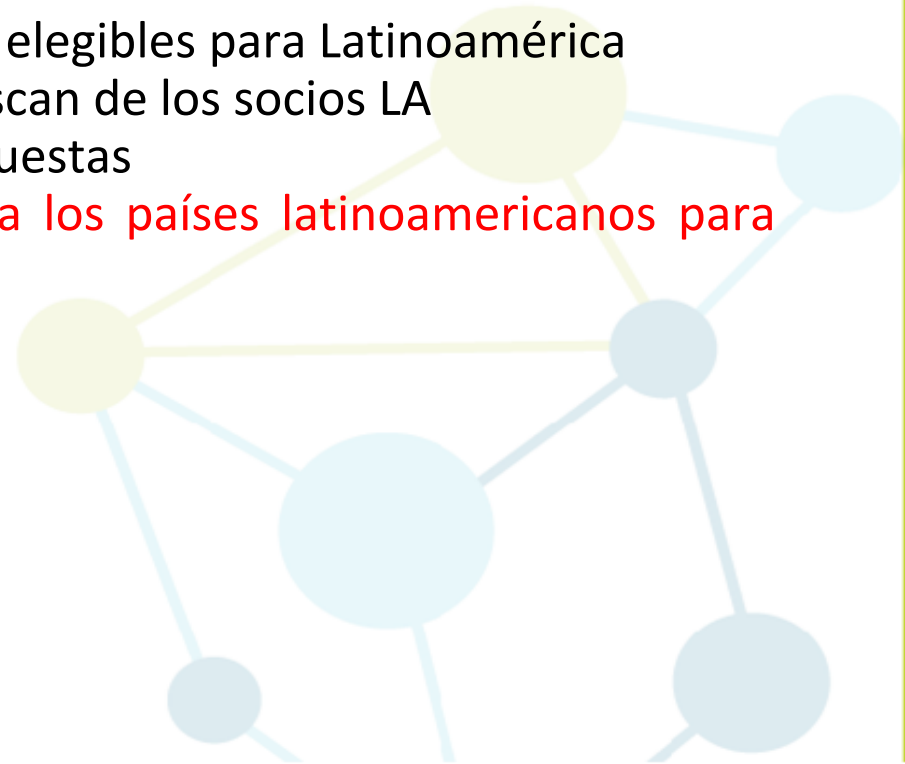
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- **Anticipación**
- Planear una **estrategia** a corto-medio-largo plazo
- **Networking** a nivel nacional-LAC-Europeo
- **Herramientas** de soporte a diferentes niveles:
  - **Ámbito Nacional** → Representantes & NCPs... pero también plataformas & asociaciones nacionales
  - **Ámbito Regional** → Agentes regionales relacionados con I+D, empresa e innovación; Clústers (masa crítica) & asociaciones; redes de apoyo a la participación (compartición y optimización de recursos y conocimientos en favor del participante).
  - **Ámbito Europeo** → Organismos Europeos (Del EC, Agencias,...); Redes establecidas con entidades EU como el Sistema INIA s Iberoamérica; Entidades nacionales con sede en BRU; Oficinas & “Antenas” de actores regionales en BRU; Plataformas tecnológicas & Asociaciones sectoriales Europeas.



## Consortium building

Former projects

<http://bookshop.europa.eu/es/interim-catalogue-of-projects-pbKI3213034/>



## Former projects

<http://ec.europa.eu/programmes/horizon2020/en/h2020-section/food-security-sustainable-agriculture-and-forestry-marine-maritime-and-inland-water>



The screenshot shows a web browser window with the URL [ec.europa.eu/programmes/horizon2020/en/h2020-section/food-security-sustainable-agriculture-and-forestry-marine-maritime-and-inland-water](http://ec.europa.eu/programmes/horizon2020/en/h2020-section/food-security-sustainable-agriculture-and-forestry-marine-maritime-and-inland-water). The page features a navigation menu on the left with categories like 'Challenges' and 'What is Horizon 2020'. The main content area is titled 'Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy' and includes a search bar, a 'Related Horizon 2020 calls' section, and a 'Related Horizon 2020 projects' section. A red arrow points from the URL to the 'Related Horizon 2020 projects' section. A vertical 'YOUR FEEDBACK' button is located on the right side of the page.

### Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy

Article | [Newsroom](#)

A transition is needed towards an optimal and renewable use of biological resources and towards sustainable primary production and processing systems. These systems will need to produce more food, fibre and other bio-based products with minimised inputs, environmental impact and greenhouse gas emissions, and with enhanced ecosystem services, zero waste and adequate societal value.

Agriculture, forestry, fisheries and aquaculture, together with the bio-based industries, are integral parts of the European economy and society. Relying on the use of limited natural resources, these sectors produce and process biological resources to satisfy the demand of consumers and a wide range of industries for food, feed, bio-energy and bio-based products. While they enhance Europe's self-reliance and provide jobs and business opportunities essential for rural, coastal and marine areas, these sectors are also facing significant challenges which require solutions based on research and innovation.

Search

Related Horizon 2020 **calls**

Related Horizon 2020 **projects**

#H2020

YOUR FEEDBACK

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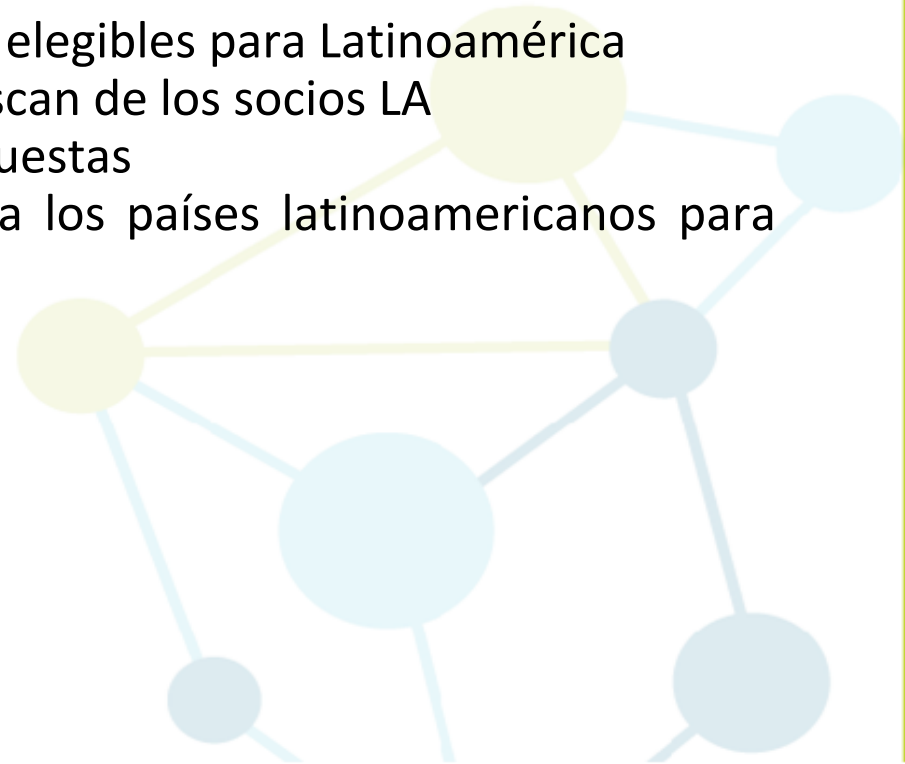
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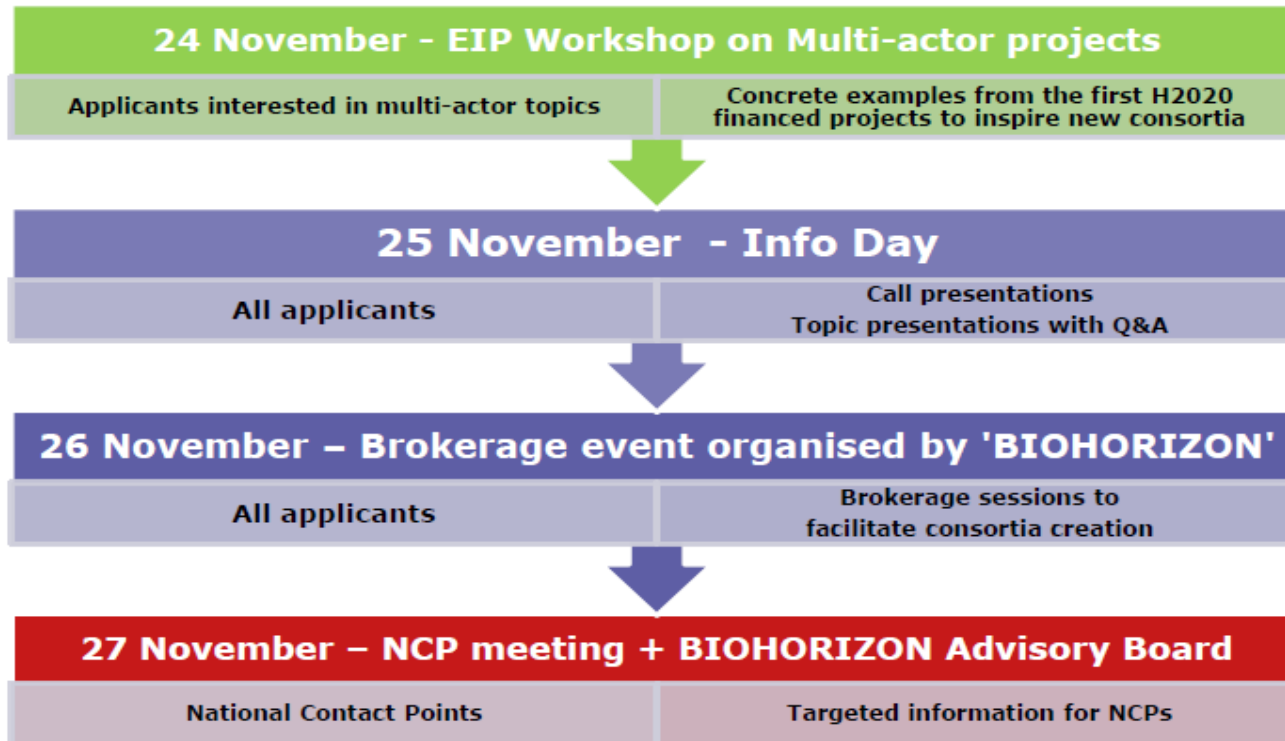
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## Info week on Work programme 2016-2017: *getting the most out of one travel ticket*



**Opportunity for applicants and their networks to organise their own meetings as side events**

<https://ec.europa.eu/programmes/horizon2020/en/news/info-week-societal-challenge-2-work-programme-2016-2017>

## Muchas gracias por su atención

### Contactos:

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Biohorizon: <http://www.ncp-biohorizon.net/>

Y en INIA para cualquier colaboración con países de América Latina y el Caribe y Sistema INIA´s Iberoamérica:

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