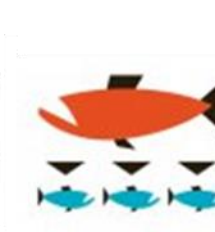
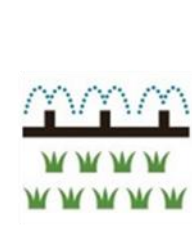
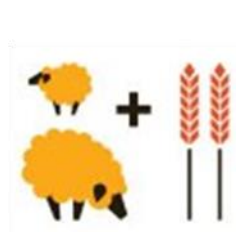


# Oportunidades no Desafio Societal da Bioeconomia (DS2)



**Maria João Fernandes | José Antão**

**Desafio Societal Bioeconomia, H2020**  
**Pontos de Contacto Nacional**



Gabinete de Promoção do Programa Quadro ID&I





DS1. Saúde

**DS2. Bioeconomia**

DS3. Energia

DS4. Transportes

DS5. Ação climática

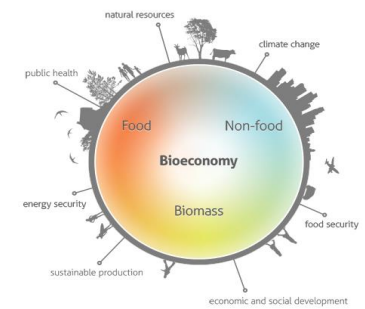
DS6. Sociedades inclusivas

DS7. Sociedades seguras

**H2020 – Societal Challenges**

## Objetivos do DS2

“Segurança alimentar, agricultura e silvicultura sustentáveis, investigação marinha, marítima e de águas interiores e a bioeconomia”



- ✓ Garantir o abastecimento adequado de alimentos seguros e de qualidade e outros produtos de base biológica
- ✓ Desenvolver sistemas de produção primária produtivos e eficientes na utilização de recursos
- ✓ Potenciar cadeias de abastecimento competitivas e hipocarbónicas

**Explorar de modo sustentável e eficiente os recursos biológicos**  
acelerando a transição para uma bioeconomia europeia sustentável



**Orientações políticas do Presidente Juncker:** “um novo impulso para o emprego, o crescimento e o investimento”

## **Principais áreas políticas relacionadas com o DS2:**

- Estratégia Europeia para a Bioeconomia
- Política Agrícola Comum
- Política Marítima Integrada
- Política Comum das Pescas
- Complementadas por outras políticas e iniciativas da EU (ambiente, industrial, saúde, segurança alimentar, florestal, social, energética,...)

**É essencial mostrar as ligações entre os projetos e as políticas europeias!!**

# Processo de consulta e de envolvimento de *stakeholders* na preparação do WP 2016/17 do Desafio Societal 2

## Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy - Work Programme 2016-2017 preparation

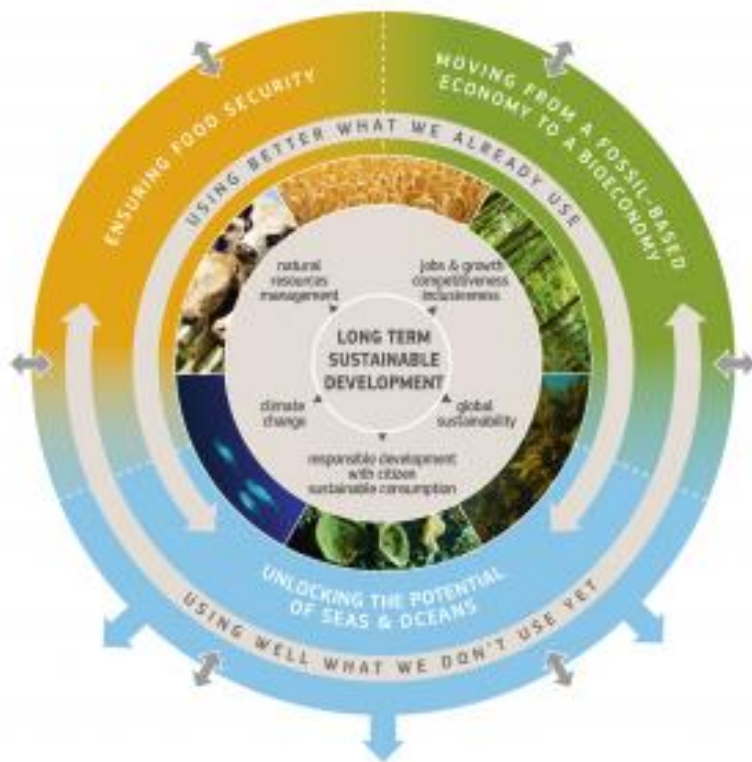
Preparation of the work programme 2016-2017 for Societal Challenge 2 is on-going with many stakeholder engagement activities and consultations.



The next two-year work programme is expected to be published in autumn 2015. The preparations are ongoing. They take into account the political priorities of the European Union and refer to several foresight exercises.

Consultation of stakeholders is an integral part of the programming process which is a participatory process. In this respect Societal Challenge 2 will particularly consider the following inputs:

- **Advisory group report:** The **advisory group** has been working on programming for 2016/2017 since October 2013. Following a meeting on 19 June 2014, they prepared a report entitled 'Recommendations to the Strategic Programme 2016-17 for Horizon2020 Societal Challenge 2' (September 2014). The group met again on 29.01.2015 to prioritize their recommendations.
- **Targeted written consultation of stakeholders:** a [questionnaire.docquestionnairec](#) was sent to a targeted list of around 250 stakeholder organisations including SC2 relevant European Technology Platforms, Joint Programming Initiatives, European Research Area Networks (ERANETs), science organisations, industry organisations. Results have been assembled in a report which has been fed into the programming process.
- **European Innovation Partnership for Agricultural productivity and sustainability (EIP-AGRI):** agriculture and forestry stakeholders are also engaged in reflection on the research agenda via the EIP-AGRI network and activities: **focus groups**, workshops on 'How to make protein crops profitable in the EU?' and on 'Biosecurity in the EU', collection of needs for research from practice via the e-form on EIP-AGRI interactive platform.
- **EIP-AGRI stakeholder consultation workshop on Horizon 2020 priorities for 2016/2017:** a targeted interactive workshop assembled around 80 participants representing a variety of organisations involved in the EIP-AGRI. The outcomes of the consultation have been pooled into a **Stakeholder consultation report** and summarized in a **short article**. Visit the [workshop webpage](#) for more information.
- **AGRI Research workshops:** specific working sessions have been organised to deepen the gap analysis and formulate research questions with key selected experts. Reports are being prepared and will be made available on this page. Specific themes tackled were:



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

# Programa de Trabalho 2016/2017 do Desafio Societal Bioeconomia



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[Programa de trabalhos DS2 2016/2017](#)

[Lista de tópicos a concurso](#)

**Deadlines:**

14 Feb 2017 | 13 Set 2017

## WP 2016/2017 → 4 objectivos centrais

- **Garantir a segurança alimentar**, promovendo uma produção primária e uma indústria **resilientes e eficientes**, bem como o **consumo sustentável e saudável**
- **Demonstrar o potencial de inovação dos oceanos**, trazendo novas tecnologias para o mercado
- **Promover a inovação e oportunidades de negócio nas áreas rurais e costeiras**, através de novas perspectivas territoriais e modelos de negócio
- **Re-industrializar a Europa, através de novas cadeias de valor de base biológica**, assegurando biomassa sustentável



SFS



BG



RUR

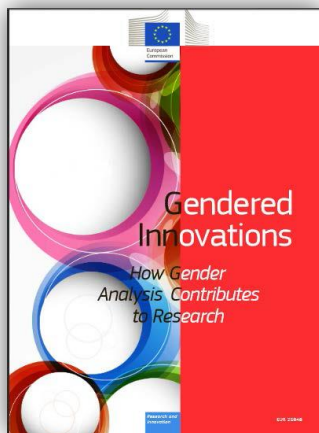


BE

- **Interdisciplinary projects:** involve the **collaboration of several disciplines** in which concepts, methodologies or epistemologies are **explicitly exchanged and integrated**, resulting in a mutual enrichment (SFS-39; SFS-40)
- **Transdisciplinary projects:** those in which researchers from different fields not only work together on a common problem **create a shared conceptual model of the problem that integrates and transcends each of their separate disciplinary perspectives.** (SFS-27; SFS-28; SFS-29; SFS-30)
- **Multi-actor approach:** aims at more demand-driven innovation through the **genuine and sufficient involvement of various actors** (end-users, such as farmers, fishers, advisors, enterprises, etc) **all along the project** → the adequate choice of key actors, with complementary types of knowledge (scientific/practical) **should be reflected in the consortium and in the description of the project concept and result in a broad implementation of project results** (SFS-4; SFS-7; SFS-8; SFS-10; SFS-15; SFS-17; SFS-27; SFS-28; SFS-30; SFS-34; SFS-39; SFS-48; RUR-2; RUR-5; RUR-9; RUR-10; RUR-12; RUR-13; RUR-14; RUR-15; RUR-16)



# H2020 → Outros aspetos relevantes do Programa de Trabalho 2016/17



[Gendered Innovations](#)



[Open Access](#)



[SSH in H2020](#)



[Synergies ESIF-H2020](#)



**1. More resilient, resource efficient value chains**



**2. Environment/Climate-smart primary production**



**3. Competitive food industry**



**4. Healthy and safe foods and diets**



**5. Going global: joint actions with Africa and China**



# 1. More resilient, resource efficient value chains (2017)

Tópico	Tipo proj	M€/proj	Orçamento disponível (M€)
<b>SFS-4:</b> New partnerships and tools to enhance European capacities for <b>in-situ conservation</b>	CSA	2	2
<b>SFS-5:</b> Robotics Advances for <b>precision farming</b>	RIA (single-stage)	2-4	7
<b>SFS-7:</b> Increasing the competitiveness of the <b>organic breeding and farming sectors</b>	RIA	6	12
<b>SFS-8:</b> Organic inputs – contentious inputs in <b>organic farming</b>	RIA	4	8
<b>SFS-10:</b> Research and approaches for <b>emerging diseases in plants and terrestrial livestock</b>	RIA	5	15
<b>SFS-13:</b> Validation of <b>diagnostic tools</b> for <b>animal and plant health</b>	IA	3	6
<b>SFS-15:</b> <b>Breeding livestock</b> for resilience and efficiency	RIA	7	7
<b>SFS-16:</b> <b>Bee health</b> and sustainable pollination	RIA	4,5	9
<b>SFS-17:</b> Innovations in <b>plant health</b>	RIA	3	10





## 2. Environment/Climate-smart primary production (2017)

⇒ O objetivo é **reduzir a ‘pegada’ ambiental e climática da produção primária**, assim como aumentar o seu potencial de mitigação.

Tópico	Tipo proj	M€/proj	Orçamento disponível (M€)
<b>SFS-27:</b> Permanent grassland – farming systems and policies	RIA	10	10
<b>SFS-28:</b> Functional biodiversity – productivity gains through functional biodiversity: effective interplay of crop pollinators and pest predators	RIA	10	10
<b>SFS-29:</b> Socio-eco-economics – socio-economics in ecological approaches	RIA	6	12
<b>SFS-30:</b> Closing loops at farm and regional levels to mitigate GHG emissions and environmental contamination – focus on carbon, nitrogen and phosphorus cycling in agro-ecosystems	RIA	6	12



### 3. Competitive food industry (2017)

⇒ O objetivo é **abordar as questões críticas ao longo de todas as fases da produção de alimentos**, assim como os impactos sobre o ambiente e os aspetos socioeconómicos associados.

Tópico	Tipo proj	M€/proj	Orçamento disponível (M€)
<b>SFS-34:</b> Innovative agri-food chains: unlocking the potential for competitiveness and sustainability	RIA	6	6
<b>SFS-35:</b> Innovative solutions for sustainable food packaging	IA	6	12

## 4. Healthy and safe foods and diets (2017)



⇒ O objetivo é **responder às necessidades e preferências dos consumidores**, minimizando o impacto associado à saúde e ao meio ambiente e assegurando a segurança alimentar

Tópico	Tipo proj	M€/proj	Orçamento disponível (M€)
<b>SFS-39:</b> How to tackle the childhood obesity epidemic	RIA	10	20
<b>SFS-40:</b> Sweeteners and sweetness enhancers	RIA	9	9

## 5. Going global: joint actions with Africa and China (2017)



Muitos dos desafios abordados neste WP são de natureza global exigindo o **desenvolvimento de soluções globais em cooperação com países terceiros** e organizações ou iniciativas internacionais relevantes.

Tópico	Tipo proj	M€/proj	Orçamento disponível (M€)
<b>SFS-43:</b> Earth observation services for the monitoring of agricultural production in Africa	RIA (single-stage)	10	10
<b>SFS-46:</b> Alternative production system to address anti-microbial drug usage, animal welfare and the impact on health	RIA	5	5
<b>SFS-47:</b> Management of soil water resources in the EU and China and its impact on agro-ecosystem functions	RIA	5	5
<b>SFS-48:</b> Resource-efficient urban agriculture for multiple benefits – contribution to the EU-China Urbanisation Partnership	IA	7	7



1. New approaches towards policies & governance



2. Value chains & business models



3. Innovation & skill development



# 1. New approaches towards policies & governance (2017)



⇒ O objetivo é **melhorar as políticas e a governança** em várias escalas geográficas para **promover o crescimento sustentável nas zonas rurais**, incluindo aspetos como as ligações territoriais e abordagens políticas coerentes para a gestão e utilização dos recursos naturais e para a prestação de serviços ecossistémicos e bens públicos

Tópico	Tipo proj	M€/proj	Orçamento disponível (M€)
<b>RUR-2:</b> Coastal-rural interactions: Enhancing synergies between land and sea-based activities	RIA	5	5
<b>RUR-3:</b> Towards 2030 – policies and decision tools for na integrated management of natural resources	RIA	8	8
<b>RUR-5:</b> Novel public policies, business models and mechanisms for the sustainable supply of and payment for forest ecosystem services	IA	4	8



## 2. New value chains & business models (2017)

⇒ O objetivo é **desenvolver novos serviços, produtos e cadeias de valor** para **promover o crescimento sustentável nas zonas rurais** tirando partido de inovações tecnológicas e não tecnológicas

Tópico	Tipo proj	M€/proj	Orçamento disponível (M€)
<b>RUR-9: Business models for modern rural economies</b>	RIA	4,5	9



### 3. Innovation and skill development (2017)

⇒ O objetivo é promover atividades que irão **reforçar a capacidade das comunidades rurais para mobilizar novos conhecimentos e tecnologias** para o desenvolvimento de suas atividades.

Tópico	Tipo proj	M€/proj	Orçamento disponível (M€)
<b>RUR-10:</b> Thematic Networks compiling knowledge ready for practice	CSA	2	10
<b>RUR-12:</b> Networking European farms to boost thematic knowledge exchanges and close the innovation gap	CSA	7	7
<b>RUR-13:</b> Building a future science and education system fit to deliver to practice	RIA	7	7
<b>RUR-15:</b> The benefits of working with others – fostering social capital in the farming sector	CSA	3	3
<b>RUR-16:</b> Optimising interactive innovation project approaches and the delivery of EU policies to speed up innovation in rural areas	RIA	5	5

**RUR-10-2016-2017: Thematic Networks compiling knowledge ready for practice****(...)**

Scope: The activities of thematic networks include summarising, sharing and presenting, in a language easily understandable for agricultural/forestry practitioners, existing best practices and research results that are near to be put into practice, but not sufficiently known by practitioners. To this end, the networks shall involve a wide range of actors covering both science and agricultural/forestry practice on the specific themes, e.g. scientists, farmers/farmers' groups, advisory services. Also EIP Operational Groups and interactive innovation groups operating in the context of the EIP-AGRI, enterprises or supply chain actors should be involved if relevant for the chosen theme. The specific themes of the networks, which may be chosen 'bottom-up', should contribute to a more competitive and sustainable agriculture and forestry. They must focus on the most urgent needs of specific agricultural or forestry production sectors, or on important or promising cross-sectoral issues, including where primary production needs to improve its linkages to the supply chain. A comprehensive description of the state of the art on the chosen theme should explain the added value of the proposal, the relevance of the theme and how it avoids duplication with existing or completed projects and networks. The resulting easily accessible end-user material should be substantial in number and feed into the European Innovation Partnership (EIP) 'Agricultural Productivity and Sustainability' for broad dissemination to agricultural/forestry practitioners. In the exceptional event that minor testing of specific solutions would be needed, a maximum of 20% of the project budget may be used for this purpose. Proposals should fall under the concept of the 'multi-actor approach'<sup>123</sup>.

The Commission considers that proposals requesting a contribution from the EU of up to EUR 2 million per network would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude the submission and selection of proposals requesting other amounts.

**(...)**

Type of Action: Coordination and support action

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

(...)

Scope: The activities of thematic networks include summarising, sharing and presenting, in a language easily understandable for agricultural/forestry practitioners, existing best practices and research results that are near to be put into practice, but not sufficiently known by practitioners. To this end, the networks shall involve a wide range of actors covering both science and agricultural/forestry practice on the specific themes, e.g. scientists, farmers/farmers' groups, advisory services. Also EIP Operational Groups and interactive innovation groups operating in the context of the EIP-AGRI, enterprises or supply chain actors should be involved if relevant for the chosen theme. The specific themes of the networks, which may be chosen 'bottom-up', should contribute to a more competitive and sustainable agriculture and forestry. They must focus on the most urgent needs of specific agricultural or forestry production sectors, or on important or promising cross-sectoral issues, including where primary production needs to improve its linkages to the supply chain. A comprehensive description of the state of the art on the chosen theme should explain the added value of the proposal, the relevance of the theme and how it avoids duplication with existing or completed projects and networks. The resulting easily accessible end-user material should be substantial in number and feed into the European Innovation Partnership (EIP) 'Agricultural Productivity and Sustainability' for broad dissemination to agricultural/forestry practitioners. In the exceptional event that minor testing of specific solutions would be needed, a maximum of 20% of the project budget may be used for this purpose. Proposals should fall under the concept of the 'multi-actor approach'<sup>123</sup>.

The Commission considers that proposals requesting a contribution from the EU of up to EUR 2 million per network would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude the submission and selection of proposals requesting other amounts.

(...)

Type of Action: Coordination and support action

## RUR-10-2016-2017

Estado de maturação dos temas a abordar

Ligação aos Grupos Operacionais - PDR

São os consórcios que decidem o tema a abordar

Atenção aos temas já tratados noutros thematic networks

Excecional. Se é necessário conduzir testes, provavelmente a maturidade do tema não é suficiente.

Orçamento disponível 10M€  
Serão financiados 5 projetos



# Thematic Networks: projetos já aprovados anteriormente

Tópico	Acrónimo	
ISIB-2-2014	Hennovation	Practice-led innovation supported by science and market-driven actors in the laying hen and other livestock sectors
	AGRISPIN	Space for Agricultural Innovation
	OK-Net Arable	Organic Knowledge Network Arable
	WINETWORK	Network for the exchange and transfer of innovative knowledge between European wine-growing regions to increase the productivity and sustainability of the sector
ISIB-2-2015	Smart-AKIS	Smart Farming Technology: Farm Management Information Systems, Precision Agriculture and Agriculture automation and robotics
	HNV-Link	Support HNV farmlands through knowledge and innovation
	AGRIFORVALOR	Valorization of biomass side-streams from agriculture and forest
	4D4F	Data and sensor driven decision making on dairy farms
	EuroDairy	Practice-based innovations in dairy farming: resource efficiency, biodiversity, animal care, socio-economic resilience
	EUFRUIT	Fruit: cultivar development, minimise residues, storage and fruit quality, sustainability of production systems
WATER-4b-2015	FERTINNOWA	Optimise water and nutrient use efficiency: dbase on innovative technologies and practices for fertigation of horticultural crops

# Desafio Societal 2 → *Call for 'Bio-based innovation for sustainable goods and services'* (WP 2016/17)



## 1. Securing sustainable biomass supply



## 2. Building the bio-based markets of the future



# 1. *Securing sustainable biomass supply (2017)*

⇒ O objetivo é diversificar e aumentar a produtividade, a qualidade e a produção de biomassa a partir da floresta, de terrenos agrícolas e marginais e do mar, evitando a degradação dos ecossistemas, desbloqueando o potencial dos resíduos e subprodutos industriais.

Tópico	Tipo proj	M€/proj	Orçamento disponível (M€)
<b>BB-2:</b> Towards a method for the collection of statistical data on bio-based industries and bio-based products	RIA	6	6
<b>BB-3:</b> Adaptive tree breeding strategies and tools for forest production systems resilient to climate change and natural disturbances	RIA	6	6





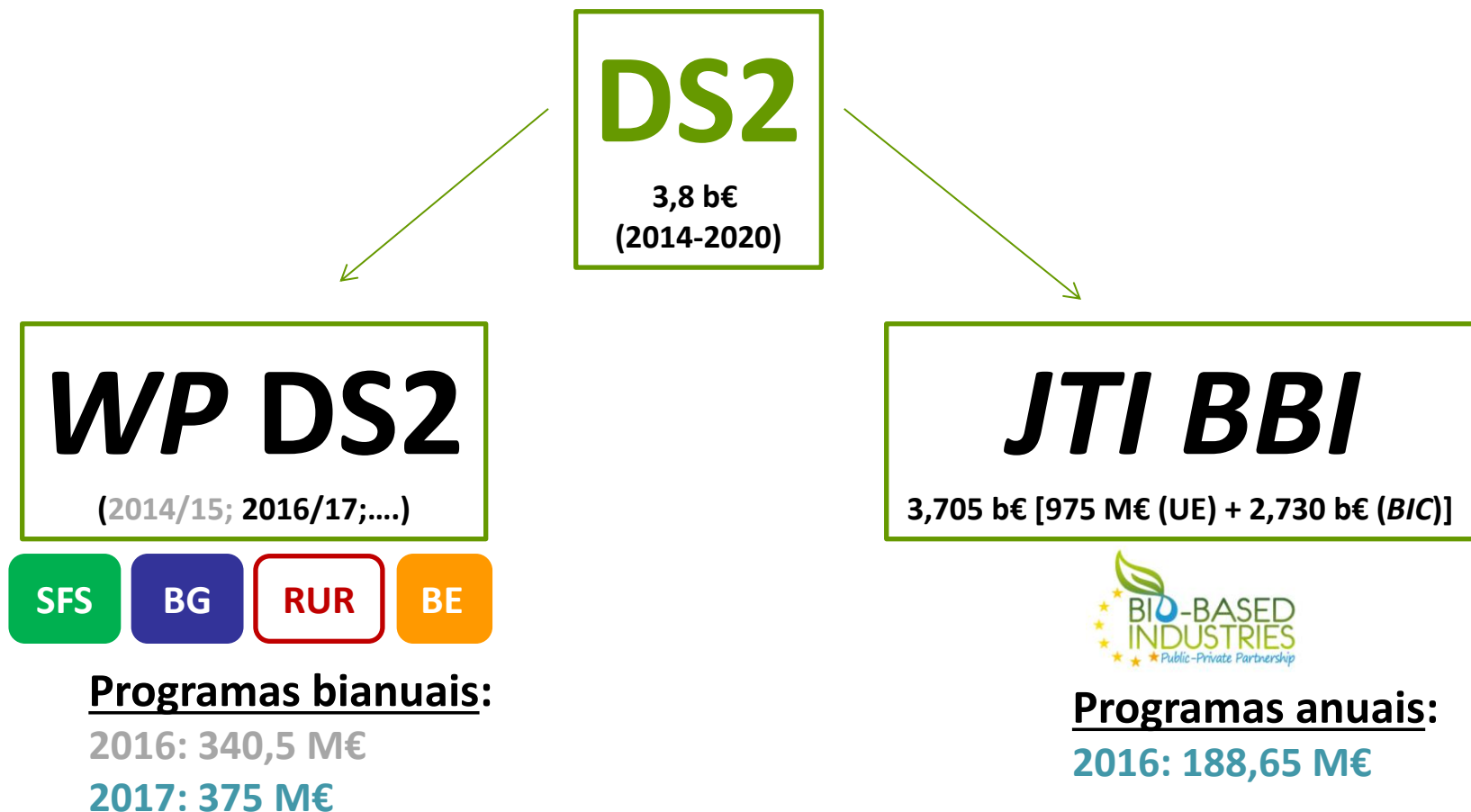
## 2. Building the “bio-based markets of the future” (2017)

⇒ O objetivo é **promover o envolvimento de stakeholders** para ajudar a identificar e a resolver os interesses, as aspirações e a perceção de riscos dos diferentes atores e **maximizar os benefícios de novos modelos de negócio** de origem biológica na sociedade

Tópico	Tipo proj	M€/proj	Orçamento disponível (M€)
BB-5: Bio-based products: Mobilization and mutual learning action plan	CSA	3	3

# Enquadramento do programa do Desafio Societal 2

Segurança alimentar, agricultura e silvicultura sustentáveis, investigação marinha, marítima e de águas interiores e a bioeconomia



# Bio-based Industries Joint Undertaking (BBI – JU)

Parceria Público-Privada que **apoia a I&I das indústrias de base biológica:**

- **Parceiros:** Comissão Europeia & Consórcio das Bioindústrias (BIC)
- **Orçamento:** 3.7 b€ (cerca de 75% proveniente da indústria)
- **Implementação:**
  - **Regras de participação do H2020** (grandes empresas sem financiamento nas RIA e CSA)
  - Com base na **Agenda Estratégica de I&I** desenvolvida pela indústria (SIRA)
- **Objetivos:** contribuir para uma economia de baixo carbono mais eficiente na utilização de recursos, através do **desenvolvimento de indústrias de base biológica sustentáveis e competitivas com base em biorefinarias avançadas** que se abasteçam de forma sustentável



[BBI-JU website](http://www.bbi-ju.eu)

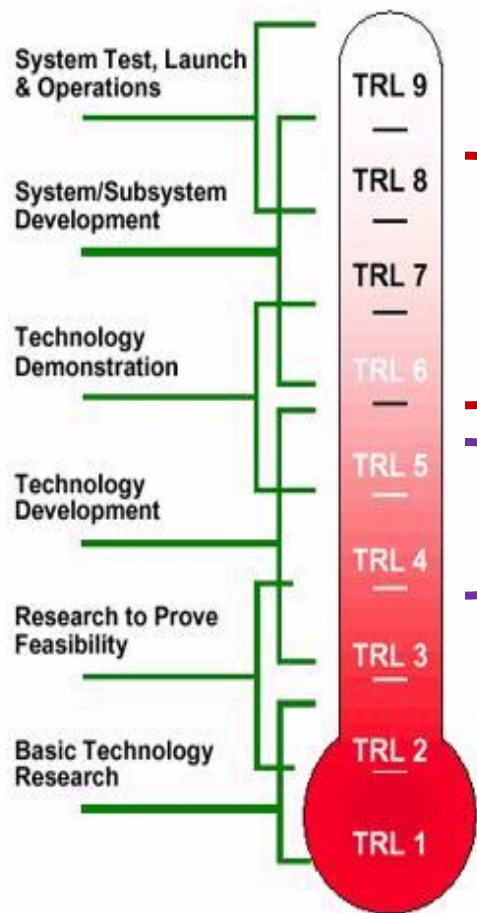
# Strategic Innovation & Research Agenda

## SIRA

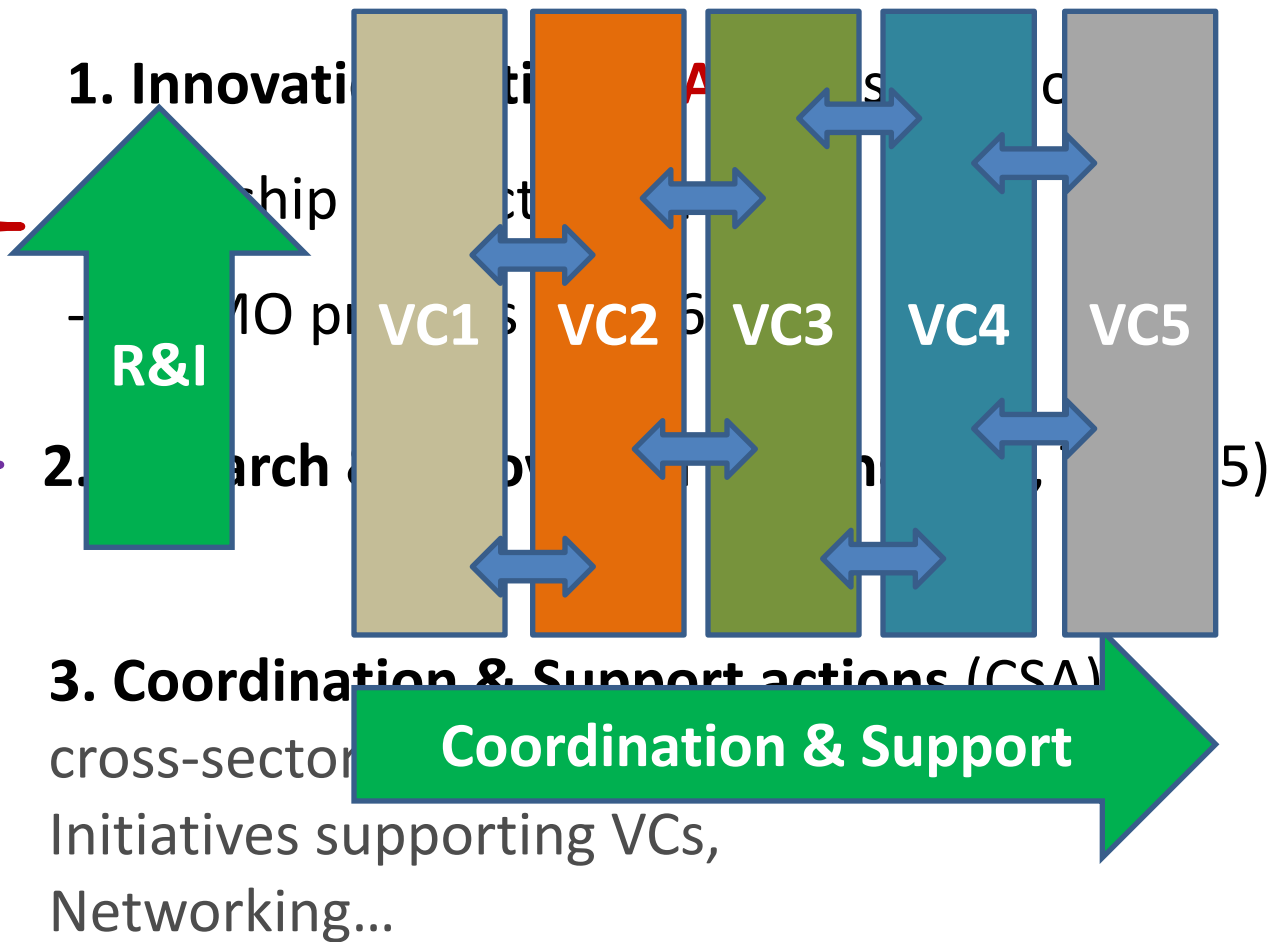
- **Value Chain 1: From lignocellulosic feedstock to advanced biofuels, bio-based chemicals & biomaterials** realising the feedstock and technology base for the next generation of fuels, chemicals and materials
- **Value Chain 2: Next generation forest-based value chains** utilisation of the full potential of forestry biomass by improved mobilisation and realisation of new added value products and markets
- **Value Chain 3: Next generation agro-based value chains** realising the highest sustainability and added value by improved agricultural production, and new added value products and markets
- **Value Chain 4: New value chains from (organic) waste** from waste problems to economic opportunities by realising sustainable technologies to convert waste into valuable products
- **Value Chain 5: Integrated energy, pulp and chemicals biorefineries** realising sustainable bio-energy production, by backwards integration with biorefinery operations isolating higher added value components



# Ações financiadas no âmbito da BBI – JU



TRL 4 ⇔ 8





**RIA-DEMO-CSA**  
**Call 2016**

Annual Work Plan 2016

Single-stage call

Data de publicação	<b>18-04-2016</b>
Deadline para submissão propostas	<b>15-09-2016</b>
Orçamento indicativo	<b>€ 188.65 million</b>
No. de topicos	<b>27</b>

Contribuição estimada dos membros *BIC*: min 110 M€

→ **Competição entre tópicos em cada tipo de ação**

## Research and Innovation Actions

Budget

**BBI 2016.R1– Valorisation of the organic content of wastewater as feedstock, contributing to the renewable circular economy**

**BBI 2016.R2– Develop consolidated bioprocesses for direct fermentation into bio-compounds for chemicals and materials**

**BBI 2016.R3– Improve control over microorganism growth in bio-catalysis operations in order to reduce/avoid contamination without antibiotics**

**BBI 2016.R4– Flexible biorefining technologies able to handle different feedstock, leading to new value chains or enlarging existing ones by using the same processing plant**

**BBI 2016.R5– Advances biomaterials for smart food packaging**

**BBI 2016.R6– Bio-based alternatives to improve protection of human health and the environment**

**BBI 2016.R7– Byopolymers with advanced functionalities for high performance applications**

**BBI 2016.R8– Emerging technologies for conversion of the organic content of Municipal Solid Waste and improving waste-to-chemicals value chains**

**BBI 2016.R9– Exploiting algae and other aquatic biomass for the production of molecules for pharma, nutraceutical, food additives and cosmetic applications**

**BBI 2016.R10– Industrial bio-transformation for the production of bio-based chemicals**

**BBI 2016.R11– Recover and reuse enzymes to reduce cost of existing industrial processes**

**BBI 2016.R12– Emerging technologies for separation and purification of fermentation products to obtain high grade bio-based monomers at industrial level**

**€50  
million**



Gabinete de Promoção do Programa Quadro ID&I

**FCT**

Fundação para a Ciência e a Tecnologia  
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR



AGÊNCIA NACIONAL  
DE INOVAÇÃO



HORIZONTE

2020

## Topics : IA - Demonstration Actions

Budget

**BBI 2016.D1**– Improve sustainability of value chains based on forest biomass and increase productivity and profitability on supply side by adapting forests to climate changes

**BBI 2016.D2**– improvement and adaptation of industrial crop varieties and novel sources of biomass to diversity biomass feedstock for biorefineries

**BBI 2016.D3**– Valorisation of lignin and other side-streams to increase efficiency of biorefineries and increase sustainability of the whole value chain

**BBI 2016.D4**– New and optimised biorefinery approaches enabling the creation of local value chains in underdeveloped or unexploited areas

**BBI 2016.D5**– Bio-based polymers/plastic materials with new functionalities for medical, construction, automotive and textile industries

**BBI 2016.D6**– Valorisation of the organic content of Municipal Solid Waste and contributing to the renewable circular economy

**BBI 2016.D7**– Optimise technical production routes to bio-based chemicals in bio- or chemo-catalytic processes

**BBI 2016.D8**– New sources of proteins for animal feed from co-products to address the EU protein gap

**BBI 2016.D9**– Biomass production on unused land for conversion into added-value products while ‘boosting rural and industrial development’

**€67.65  
million**



Gabinete de Promoção do Programa Quadro ID&I





Topics : Coordination and Support Actions	Budget
BBI 2016.S1– A roadmap for the chemical industry to a bioeconomy	<b>€3.5 million</b>
BBI 2016.S2– Bioeconomy related open access research infrastructure and assessing its capabilities for industry driven development projects	
BBI 2016.S3– Open-innovation Platform strengthening cooperation and joint development of bio-based industries and downstream sectors	
BBI 2016.S4– Clustering and networking for new value chains	

Publicação da *call*: [Participant Portal](#)  
 Participant Portal → Funding Oportunities  
 → H2020-BBI-JTI-2016

**Publicação | Deadline:**  
 18 Abr | 15 Set 2016  
 (single-stage call)

→ **Competição entre tópicos em cada tipo de ação**



Gabinete de Promoção do Programa Quadro ID&I



Fundação para a Ciência e a Tecnologia  
 MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR



AGÊNCIA NACIONAL DE INOVAÇÃO



3<sup>o</sup> 2020

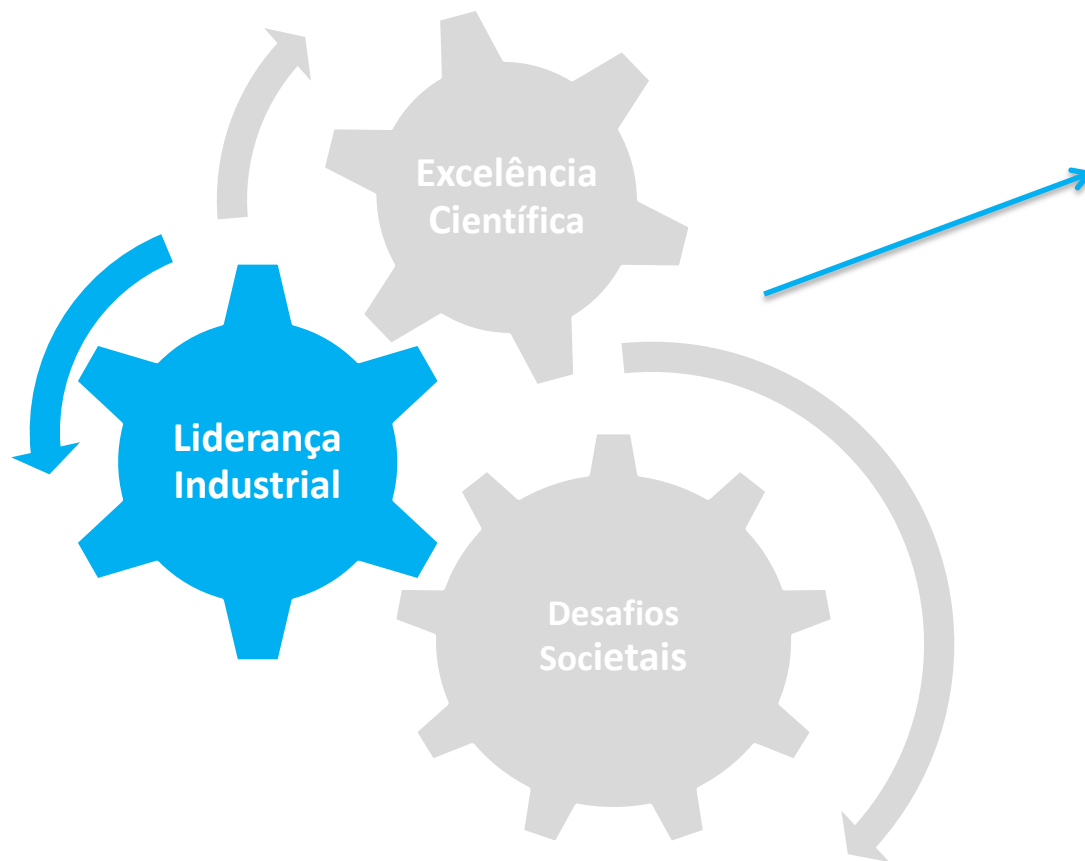
- Participando como beneficiário nas **propostas** dos concursos anuais desta PPP (coordenador, parceiro)
- Inscrevendo-se como **avaliador de propostas**
- Apoiando o desenvolvimento do Programa de Trabalho anual tornando-se membro do **consórcio BIC**



## BIC Full members (October 2015)

Abengoa - AlgaEnergy - Alkol Biotech - ARD - Avantium - BASF - BE Basic - Billerudkorsnäs - BioBase Europe Pilot Plant - BioBased Delta - Biochemtex - BioEconomy Cluster - BioNET Ingenieria - Biopolis - BIOPRO Baden-Württemberg - Biorefinery Pilot Facilities - BioVale - **BLC3 Association** - Borregaard - **Buggypower** - Cargill - Centre for Process Innovation - CEPSA - Clariant Group - CLEA - CLIB2021 - Corbion - Cosun - De Smet S.A. Engineers & Contractors - DONG Energy - DSM - Dupont Industrial Biosciences - Dutch Biorefinery Cluster - ENCE - Energochemica Trading - Ethanol Europe Renewables - Fertiberia - Fertinagro - FIBIC - German Federation of Private Plant Breeders - GFBiochemicals - Glanbia Ingredients - GreenWin - Holmen - Hygear - IAR - IBB Netzwerk - Inkemia - ISOIN - KLM - METabolic EXplorer - Metgen Oy - Metsä Group - Mi-plast - Monaghan Mushrooms Group - Mondi - Nordzucker - Norske Skog - Nova Pangaea Technologies - Novamont - Novozymes - Oleon Holding - Plaxica - Repsol - Roquette - Sappi - SCA - Six Fifty Kft. - Smurfit Kappa - Södra - Solvay - Stora Enso - Südzucker - The Coca Cola Company - TKI-ISPT - Total - Unilever - UPM - Versalis

- 
- 79 Full members
    - 44 Large industries
    - 22 SMEs
    - 13 Clusters
  - 152 Associate members
    - 50 Universities
    - 74 RTOs
    - 19 Associations
    - 5 Technology Platforms
    - 2 Technology Platforms
    - 2 Clusters
    - 1 Technology Provider
    - 1 Bank



Liderança em  
Tecnologias Facilitadoras  
e Industriais (LEIT) –  
NMP, ICT,  
**Biotecnologia**,  
Espaço

Acesso a financiamentos  
de risco

Inovação em PME

*H2020 – Industrial Leadership*



## H2020 - Biotechnology

### Objetivos Específicos:

- Desenvolver produtos e processos industriais competitivos, sustentáveis, seguros e inovadores;
- Funcionar como **motor de inovação em vários setores europeus**, como a agricultura, a silvicultura, a alimentação, a energia, os produtos químicos e a saúde, assim como a bioeconomia.

#### ⇒ **Enfoque em 2016/17:**

- Ultrapassar o hiato de implementação do laboratório para o mercado
- Acelerar a inovação
- Novas plataformas tecnológicas

## Programa de Trabalhos NMBP 2016/2017

Tópico	TRL	Tipo proj.	M€/proj	Orçamento disponível (M€)
<b>BIOTEC-05: Microbial platforms for CO2-reuse processes</b> in the low-carbon economy	3-5	RIA	5-7	48
<b>BIOTEC-06: Optimisation of biocatalysis and downstream processing</b> for the sustainable production of high value-added platform chemicals	5-7	IA	5-7	
<b>BIOTEC-07: New Plant Breeding Techniques (NPBT) in molecular farming: Multipurpose crops for industrial bioproducts</b>	3-5	RIA	5-7	
<b>BIOTEC-08: Support for enhancing and demonstrating the impact of KET Biotechnology projects</b>		CSA	0,7-1	1

### *Deadlines:*

27 Out 2016 | 4 Mai 2017  
CSA: 19 Jan 2017

# Projetos já financiados na área da Bioeconomia

| A-Z index | Site map | About this site | What's New | Legal notice | Cookies | Contact | Search English (en)



## RESEARCH & INNOVATION

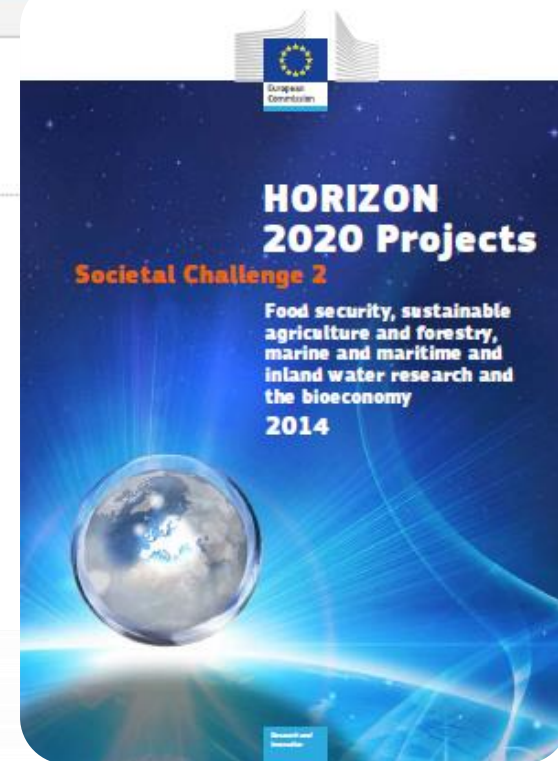
### Bioeconomy

## [Publications library](#)

European Commission > Research & Innovation > Bioeconomy > e-Library

Home Policy Participate Publications Videos Events About us

## Publications library



**Para posicionar a sua proposta e identificar quem já concorre!!**



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# Iniciativas relevantes na área da Bioeconomia

## ETPs

Bio-based economy
EATIP
ETPGAH
FABRE TP
Food for Life
Forest-based
Plants
TP Organics



EIP-AGRI



BBI JU



Bioeconomy  
ERA-NET Actions

PLATFORM



EIT



HDHL



FACCE



OCEANS



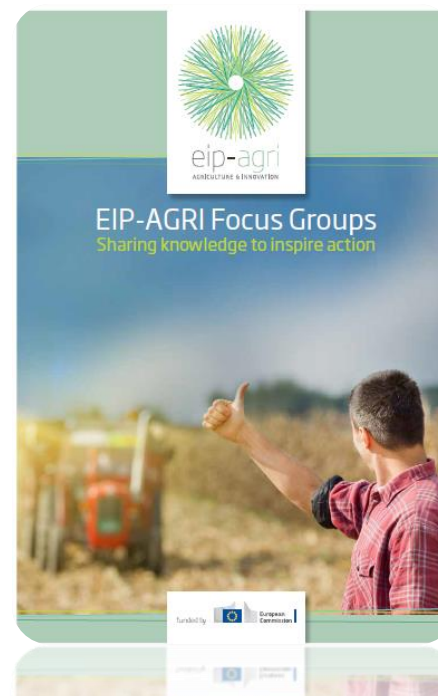
COST

**Importante posicionar-se estrategicamente!!**





**Grupos de discussão** que se focalizam em temas **específicos**, recolhendo informações sobre as melhores práticas e propondo soluções práticas e inovadoras para problemas ou oportunidades previamente identificadas.



**PT presente em 11 dos 19 Focus Groups já constituídos 😊**

## ARIMNet – Coordenação da investigação em agricultura mediterrânica

Encerramento do concurso:

1 Junho 2016

### Áreas do concurso:

**Tópico 1:** Promoção de agricultura sustentável para o desenvolvimento socioeconómico;

**Tópico 2:** Valorizar os produtos locais através de melhoria da cadeia de valor dos alimentos.

No 2º concurso ARIMNet2 os consórcios serão apoiados através de projetos colaborativos de investigação transdisciplinar com o objetivo de conduzir à inovação dos sistemas agrícola e alimentar para o desenvolvimento social e económico sustentável-

**Contacto:** [maria.maia@fct.pt](mailto:maria.maia@fct.pt)

# Plataformas para procura de parceiros



## [BH archived profiles](#)

### Profiles

#### General information about the archived profiles

One of BioHorizon's main objectives is to simplify access to Horizon 2020 calls under the Societal Challenge 2 and the Key Enab and to stimulate international research cooperation. To this end, a series of three international brokerage events based in Brussels thematic areas will be organized.

BioHorizon's brokerage events will support the trans-national networking between researchers and other stakeholders by providing projects, thus fostering access to collaboration opportunities. Interested researchers/stakeholders are requested to create an online used to pre-arrange meetings between potential project partners in a structured way.

Profiles from all participants in BioHorizon's brokerage events as well as all flash presentations will be archived on the respective search tool to browse the profiles for partners with a relevant expertise.

#### 1st International Brokerage Event (26.11.2015)

Due to the uncertain security situation in Brussels (highest terrorism alert level from 21 - 30 November 2015), and upon the record event. We deeply regret the great inconvenience that this has caused.

You can find the profiles of all validated registrants here: <https://www.b2match.eu/foodbrokerage2015/participants>

All flash presentations are accessible here: <https://www.b2match.eu/foodbrokerage2015/pages/flash-presentations>

The screenshot shows the BBI Partnering Platform website. At the top, there is a logo for "BIO-BASED INDUSTRIES" with the tagline "Public-Private Partnership". A navigation menu includes Home, About BBI, Participate, Projects, News, Events, and Multimedia. Below the navigation is a banner image showing people interacting with large gears. The main content area is divided into two columns. The left column has a "Participate" section with links for "Calls for Proposals" (2014 and 2015), "Other Funding of Interest for BBI", "National Contact Points (NCPs)", and "BBI Partnering Platform". Below this is a "BBI Partnering Login" section with input fields for "User Name" and "Password", and a "Login" button. The right column has a "BBI PARTNERING PLATFORM" section with a description: "The BBI partnering platform is an essential tool to identify and to cooperate with the European stakeholders around the annual BBI-calls for proposals. Registration is a free service provided by BBI." Below this is a "Key Features" section with a list of features: comprehensive information about BBI calls, expert guidance through application processes, partnering profiles of European stakeholder organisations, direct communications with other candidates, and online networking features to build proposals. At the bottom of the right column, there are social media sharing icons for Facebook, Twitter, LinkedIn, Email, and Print, along with a "Print" button.

## [BBI Partnering Platform](#)

## [CORDIS Partners Service](#)



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## EVENTOS GPPQ

### BBI JU 2016 OPEN INFO DAY & BROKERAGE EVENT

21 April 2016



Venue:  
Alcide De Gasperi, Charlemagne Building of the European  
Commission, Rue de la Loi 170, Brussels, Belgium

[www.bbi-europe.eu/events/bbi-ju-2016-open-info-day-brokerage-event](http://www.bbi-europe.eu/events/bbi-ju-2016-open-info-day-brokerage-event)

## InfoWeek on calls in 2017 for Societal Challenge 2

Published by newsroom editor on 22/03/2016

**Event date:** From 27/06/2016 to 29/06/2016  
**Venue:** Charlemagne building, Rue de la loi 170, Brussels

**SAVE THE DATE!** The Brussels info-week on Horizon 2020 Societal challenge 2 calls for 2017 will take place on 27-29 June 2016. Learn about the calls and topics, update yourselves on relevant past research outcomes and meet partners in the brokerage event.

The Infoweek on calls in 2017 for Societal Challenge 2, "Food security, sustainable agriculture and forestry, maritime and maritime inland water research and bio-economy", will include the following events:

- **27/06 - Dissemination event** - The event will show case results of interesting and successful FP7 and Horizon 2020 projects which can be inspirational for calls open in 2017.
- **28/06 - Morning - Infoday on SC2 calls 2017** - Practical information to build successful proposals and interactive presentation of topics. Possibility to ask questions on topics will be opened like last year.
- **28/06 - Afternoon - Brokerage event** - The brokerage event is organised by the BIOHORIZON project.
- **29/06 - Coordinators day** - Coordinators of projects selected from the 2015 calls are invited to take part to learn how to run their project successfully.

See [here](#) a schematic representation of the week. Further information on these events (links to specific event pages, registration link) will be provided in the coming days.

**Eventos GPPQ**

**Info Day Nacional - Iniciativa Tecnológica Conjunta sobre Bioindústrias (BBI): Oportunidades de financiamento no concurso 2016**

17-05-2016 Audifório da Ordem dos Engenheiros (Lisboa)

O GPPQ irá organizar, na tarde do dia 17 de Maio (14:00 - 17:30), uma sessão de informação dedicada às oportunidades de financiamento em 2016 no âmbito da Iniciativa Tecnológica Conjunta sobre Bioindústrias (BBI).

A BBI é uma parceria público-privada estabelecida entre a Comissão Europeia e o Consórcio das Bioindústrias (BIC). Tem como objetivo contribuir para uma economia de baixo carbono mais eficiente na utilização de recursos, através do desenvolvimento de indústrias de base biológica sustentáveis e competitivas com base em biorefinarias avançadas que se abasteçam de forma sustentável.

O evento contará com a presença de um project officer da BBI, Pilar Llorente, e com o Programming Coordinator do BIC, Nelo Emerência. Além disso contará com um painel de debate onde serão apresentados testemunhos do envolvimento nacional nesta iniciativa (avaliador, beneficiário de projeto).

Esta sessão será em inglês e decorrerá no auditório da Ordem dos Engenheiros, em Lisboa.

A participação é gratuita mas com inscrição obrigatória nesta página.

A agenda desta sessão será disponibilizada em breve.

**Morada:**  
Av. António Augusto de Aguiar, 3 D 1069-030 Lisboa

[Voltar à lista de eventos](#)

**Registo na Sessão BBI**

OE, 17 Maio 2016, Av. António Augusto de Aguiar, 3 D, 1069-030 Lisboa

\*Obrigatório

Nome \*

E-mail \*

Telefone

Entidade \*

Tipo de Entidade \*

Universidade/Instituto de

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

<http://www.gppq.pt/h2020/eventos.php?id=5094>



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# Para mais informações & apoio

## GPPQ – Contactos dos Pontos de Contacto Nacionais DS2. Bioeconomia

Bio Economia  
BBI  
Biotecnologia



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<http://www.gppq.pt/h2020>



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