

Comité de Direction LabEx COTE

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What EU calls for COTE teams?

Amélie Abrantes / Camille Le Borgne
Soutien Europe IdEx

Sommaire

- 1. Dispositif de soutien IdEx au montage de projets**
- 2. Panorama des financements possibles pour les équipes COTE**



Dispositif de soutien IdEx au montage de projets européens

Plateforme Europe de l'IdEx

Objectif IdEx: augmenter notre participation aux programmes européens
- Principalement sur le volet R&I
- En tant que coordinateurs



Sciences Po
Bordeaux



BORDEAUX
SCIENCES
AGRO



Institut national
de la santé et de la recherche médicale

université
de BORDEAUX

cnrs
dépasser les frontières

Bordeaux INP
AQUITAINE

Soutien Europe de l'IdEx



Deux chargés d'affaires dédiées pour aider les porteurs des partenaires de l'IdEx
Quel que soit le porteur institutionnel IdEx avec lequel vous choisissez de soumettre

Recours à **des consultants**

Relecture anglais, accompagnement écriture projets ERC, projets collaboratifs en coordination



Service **adapté aux besoins du chercheur**

Ponctuel ou global, débutant ou expérimenté

Veille et (in)formation ciblée

Veille et envoi ciblé des AAP ouvert, ateliers de formation sur demande des laboratoires

Accompagnement au **montage de projet en coordination**

Procédures, jargon, aspects administratifs et financiers, lien avec les PCN, recherche de partenaires, retroplanning, écriture de WPs non scientifiques etc.

Appui pour être **visible en tant que partenaire potentiel** auprès des porteurs de projet
Plateforme de recherche de partenaires, participation à des événements type « brokerage events »



Vos points de contact IdEx - Europe



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Dispositif de soutien national

ANR

Montage de réseaux scientifiques européens ou internationaux (MRSEI)

- Préfiguration d'une candidature à un AAP européen / international en tant que coordinateur d'un projet collaboratif
- *Exclusion: AAP mono-bénéficiaire (ERC et MSCA-IF), COST, Interreg, Erans/JPI/Belmont Forum auxquels participe l'ANR*
- Budget moyen : 30 k€
Mission, communication, organisation de réunion, workshops, consultance (limite de 10K€)
- Durée du projet: 24 mois max
- 2 appels / an
- Prise de décision rapide.
- Sélection par les pairs réalisée par un seul comité ad hoc, sans recours obligatoire à des expertises extérieures





Overview of EU funding for COTE LabEx

Overview of EU funding opportunities in this field



EU regional
funds



Member
States



AXIS

ERANET



EU regional funds in a glance

			
Eligible	SUDOE regions (FR, ES, PT, UK) Min 3 MS		Atlantic Regions (PT, ES, FR, UK, IE) No min.
Funding	75%		75%
Relevant axis	Priority axis 4 « Combating climate change » <i>Incl. early warning systems, transnational risk management tools, methodologies for the regeneration of soil damaged by natural risk disasters</i>	Priority axis 5 « Environment & Resource efficiency » <i>Incl. joint strategies for the protection and restoration of ecosystems and the integrated management of resources and natural area</i>	Axis 4: “Enhancing biodiversity and natural and cultural assets” <i>Incl. 4.1 Improving the protection of biodiversity and ecosystems' services</i>
Next call	March/April 2018	End 2018 + Early 2020	1st semester 2018?

LIFE vs H2020 in a glance

		
Who is eligible?	Entities in EU member states only	Entities in EU + Associated countries + open to the world
Average partner numbers	No min ~5 partners	Min 3 from 3 MS/AC
Funding	60% (50% as of 2018)	100% / 70%
Overhead	Max 7%	25%
Typical funding	1-3M€	3-7M€
Nr of calls	1 call/year	Several calls/year
Type of project	Demo & pilot actions	From research to demo
Focus	Environment Climate action	Several themes (env, climate, agro, forestry...)
Time to Grant	10 months (incl revision phase)	8 months (no revision phase)

LIFE vs H2020 in a glance

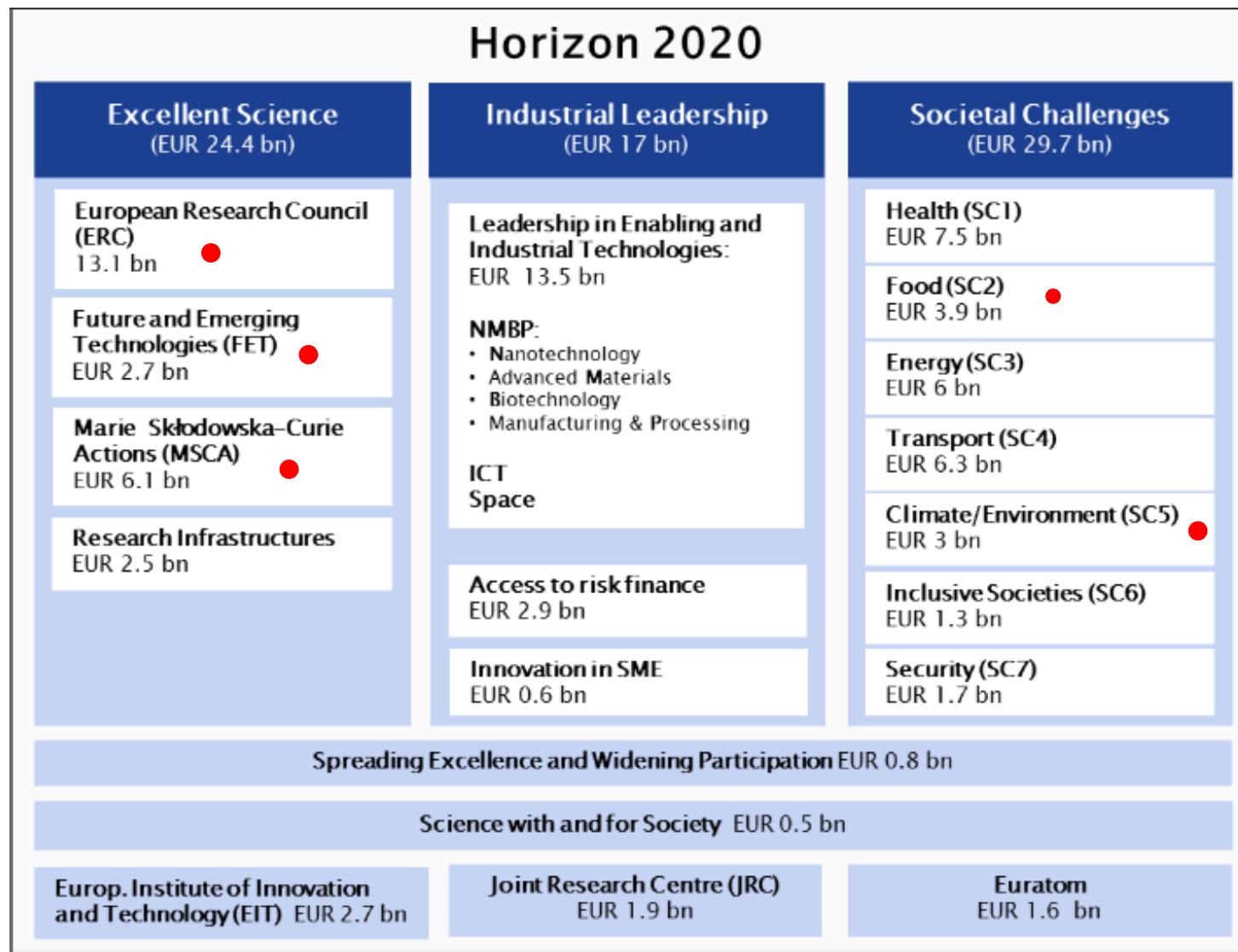
		
Who is eligible?	Entities in EU member states only	Entities in EU + Associated countries + open to the world
Average partner numbers	Min 2 from 2 MS/AC	Min 3 from 3 MS/AC
Funding	 100% / 70%	
Overhead	25%	
Typical funding	3-7M€	
Nr of calls	Several calls/year	
Type of project	Demo & pilot actions	From research to demo
Focus	Environment Climate action	Several themes (env, climate, agro, forestry...)
Time to Grant	10 months (incl revision phase)	8 months (no revision phase)

Upcoming H2020 opportunities



Three more years : 2018, 2019, 2020

Opportunities for COTE in Horizon 2020



Upcoming H2020 opportunities – pillar 1

EXCELLENT SCIENCE



- 1 criteria: Excellence
- 1 researcher => 1 large research project
- Exploratory research
- 5 years
- 1,5 to 2,5 M€
- Any field of research
- Number of applications are limited

Next ERC deadlines

- **Consolidator** : 15 Feb 2018 (~19, 20)
- **Advanced**: 30 August 2018 (~19, 20)
- **Starting**: Mid Oct 2018 (~19)

7 mars 2018 (Talence):
ERC workshop during INRA symposium
<https://symposium.inra.fr/earth-system-climate-change/ERC-Information-and-Networking-Event-7th-March>

Upcoming H2020 opportunities – pillar 1

EXCELLENT SCIENCE



Marie Skłodowska Curie



Next deadlines

ITN (ETN, EID, EJD) :
Jan 2018 (~19, 20)

RISE: 21 mars 2018
(~19, 20)

IF: 12 Sep 2018 (~19,
20)

- **ITN : Innovative Training Networks:**
High quality doctoral training programmes through EU & international interdisciplinary networks, industrial doctorates or joint doctorates

- **IF : Individual Fellowship**
Hosting a researcher/post doc from abroad (>EU) or leave for 1-2 years

- **RISE : Research and Innovation Staff Exchange**

*Exchange programme (max 12 months secondments)
Mobility with non EU countries OR with non academic sector for existing staff*

Upcoming H2020 opportunities – pillar 3

Societal challenge 2

“Food security, sustainable agriculture and forestry, marine, maritime and inland water research and the bioeconomy”

Societal Challenges (EUR 29.7 bn)	
Health (SC1)	EUR 7.5 bn
Food (SC2)	EUR 3.9 bn
Energy (SC3)	EUR 6 bn
Transport (SC4)	EUR 6.3 bn
Climate/Environment (SC5)	EUR 3 bn
Inclusive Societies (SC6)	EUR 1.3 bn
Security (SC7)	EUR 1.7 bn



Horizon 2020 : pilier 3 → SC2

Sécurité alimentaire, Agriculture et Foresterie durable, Recherches marines, maritimes et sur les Eaux continentales et Bioéconomie.

Budget 2018-2020 environ 1,33 Md€

(800 M€ en 2016-2017, 470 M€ en 2014-2015)

1. Faire face au changement climatique et accroître la résilience sur la terre et la mer
2. Réaliser la transition vers une bioéconomie circulaire
3. Favoriser des écosystèmes fonctionnels, des systèmes alimentaires durables, des modes de vie sains
4. Renforcer les innovations majeures sur la terre et la mer - nouveaux produits, chaînes de valeur et marchés
5. Développer des territoires intelligents et connectés et des chaînes de valeur dans les zones rurales et côtières

Horizon 2020 : pilier 3 → SC2

Sécurité alimentaire, Agriculture et Foresterie durable, Recherches marines, maritimes et sur les Eaux continentales et Bioéconomie.

1. **Référence aux approches multi-acteurs** (différents acteurs: laboratoires de recherche, entreprises, utilisateurs finaux tels que les agriculteurs/groupes d'agriculteurs, les consommateurs, les conseillers, les ONG, les décideurs ou les collectivités/autorités locales, etc.)
2. **Responsible Research and Innovation** (visant à aligner la recherche et l'innovation sur les valeurs, les besoins et les attentes de la société)
3. **Fortes références aux SHS, la gestion des données, au genre**
4. **Coopération internationale : Chine, Afrique**
5. **Coordination entre les projets**

Horizon 2020 : pilier 3 → SC2

Sécurité alimentaire, Agriculture et Foresterie durable, Recherches marines, maritimes et sur les Eaux continentales et Bioéconomie.

Structuré en 3 appels :

- Sustainable Food Security (**SFS**)
- Rural Renaissance (**RUR**)
- Blue Growth (**BG**)

Contribuant à 3 focus areas “virtuelles”:

- Building a low-carbon, climate resilient future (**LC**),
- Circular Economy (**CE**),
- Digitising and transforming European industry and services (**DT**).

Horizon 2020 : pilier 3 → SC2

Sustainable food security – 753M€ (2018-2020)



Impacts majeurs:

- 1- **fournir une alimentation variée et saine**, issue de la terre et de la mer
- 2- **accroître l'efficacité de l'utilisation des ressources et de la performance environnementale** des systèmes alimentaires, de la production primaire aux consommateurs
- 3- **Comprendre l'impact du changement climatique** sur l'agriculture, les ressources, la qualité des aliments et identifier les options pour gérer ses effets
- 4- **Réduire les émissions de GES** provenant de l'utilisation des terres et de la production alimentaire en prenant compte les principaux facteurs tels que les intrants et les modes de consommation

Horizon 2020 : pilier 3 → SC2

From functional
ecosystems to
healthy food

<u>SFS-01-2018-2019-2020: Biodiversity in action: across farmland and the value chain</u>	RIA	16M	2-step - 23/1/19 - 4/9/19
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→ B. [2019] Capitalising on native biodiversity in farmland landscape (RIA) – 8M€

Scope:

- Enhance the understanding of the relationship between farm management and native biodiversity in the surrounding landscape, together with the associated ecosystem services
- Look at the synergies between increasing biodiversity awareness/acceptance by farmers and their involvement in the monitoring.

→ C. [2020] From agrobiodiversity to dynamic value chains



Horizon 2020 : pilier 3 → SC2

From functional
ecosystems to
healthy food

<u>SFS-04-2019-2020: Integrated health approaches and alternatives to pesticide use</u>	RIA	15M	2-step
			- 23/1/19
			- 4/9/19

→ A. [2019]: Integration of plant protection in a global health approach (RIA)

Scope:

- assessment of the impacts of plant protection products and their metabolites (PPPs) on plant, human, animal and ecosystem health.
- Activities will build on existing data, validated models of PPPs fluxes/concentrations, models for economic analysis, integrated risk assessment tools, running projects and the European Food Safety Authority's (EFSA) activities
- Identify lock-ins, develop transition paths towards a sustainable use of PPPs, taking a transdisciplinary approach, and should consider the needs of risk managers for the authorisation/restriction of PPPs as well as of farmers for selecting more appropriate and sustainable products and their optimal use avoiding side effects. Activities will include the development of a research agenda on plant protection in the context of a global health approach.

→ B. [2020] Biocidal and plant protection products (IA)

Horizon 2020 : pilier 3 → SC2

From functional
ecosystems to
healthy food

SFS-05-2018-2019-2020: New and emerging risks to plant health

RIA

7M

2-step

- 23/1/19
- 4/9/19

Scope:

- Target one or more new or emerging plant pests and/or diseases that are causing, or likely to cause, significant (socio-)economic and/or environmental losses to EU agriculture/forestry
- Proposals will increase knowledge of the biology, development and spread of pests/diseases. They will improve methods and strategies for early detection, prevention and control as well as enlarge the range of tools for integrated and sustainable pest/disease management.

Horizon 2020 : pilier 3 → SC2

Environment/
Climate-smart
food production
and consumption

<u>LC-SFS-19-2018-2019: Climate-smart and resilient farming</u>	RIA	14M	2-step
			- 23/1/19
			- 4/9/19

→ B. [2019] Efficiency and resilience of mixed farming and agroforestry systems (RIA) – 7M€

Scope:

- develop further mixed farming systems and show how the integration of crops, livestock and forestry activities can improve the resilience of agriculture in combination with the related climate change mitigation potential.
- enable the participative design of mixed farming and agroforestry systems not only focusing on technical and agronomic aspects but also taking on board socio-economic aspects of mixed farming modes, the related value chains and necessary infrastructures as well as the environmental and climate mitigation and adaptation potential
- contribute to increase synergies between crops and livestock
- develop models and tools adapted to real farm management

LC-SFS-22-2020 - Forest soils Research and Innovation Action

Horizon 2020 : pilier 3 → SC2

Building capacities

SFS-28-2018-2019-2020: Genetic resources and pre-breeding communities

RIA

7M

2-step

- 23/1/19
- 4/9/19

→ B. [2019] Adding value to plant GenRes (RIA) – 7M€

Scope:

- address processes, tools and know-how associated with a dynamic management and documentation of GenRes collections
- development and testing of a range of solutions to enhance quality and efficiency of operations and services across collections
- capturing and characterising the genetic diversity in germplasm and revealing novel information to users -> acquiring comprehensive and more precise genotypic and phenotypic information on GenRes material, understanding the connections between the two, how they vary in different environmental contexts and having in place appropriate (bioinformatic) tools for data processing, exchange and visualisation.
- Account shall be given to disclosing the potential of less adapted material from genebanks/in-situ conservation sites in relation to valuable traits associated with resilience, adaptability and quality of crops.

Horizon 2020 : pilier 3 → SC2

Building capacities

SFS-30-2018-2019-2020: Agri-Aqua Labs

RIA

10M

2-step

- 23/1/19
- 4/9/19

→ B. [2019]: Looking behind plant adaptation (RIA) – 5M€

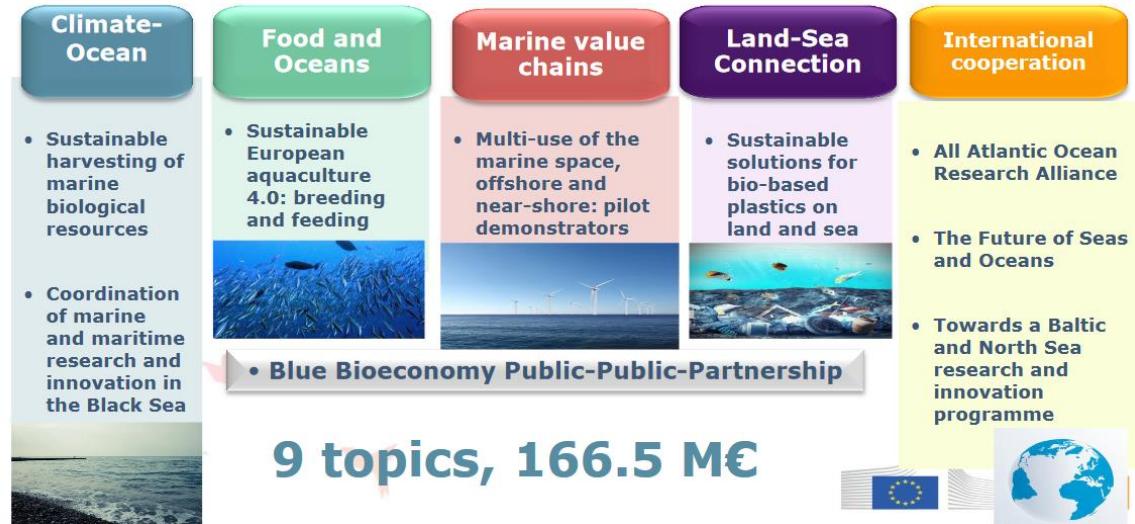
Scope:

- understanding of the ability of plants to (pre)adapt to specific – often extreme - conditions or to react to sudden changes in their environment
- look into the specific mechanisms (genetic, epigenetic, physiological, morphological, metabolic...) and dynamics that underlie adaptive processes of crops and how these responses are modulated by the type and severity of conditions/stresses
- improve capacities for modelling plant adaptation responses to better predict changes in plant performance and inform crop improvement and crop management strategies

→ C. [2020]: Plant energy biology

Horizon 2020 : pilier 3 → SC2

Blue Growth topics (2018-2019)



L'AAP BG stimulera
l'économie bleue, en:

- 1- améliorant notre connaissance intégrée de l'impact réciproque du changement climatique sur les écosystèmes marins et les ressources biologiques** afin de gérer efficacement leurs capacités de réponse, d'atténuation et de résilience
- 2- Préserver et exploiter durablement les écosystèmes marins et côtiers** et les ressources biologiques pour améliorer la nutrition et la santé
- 3- Diminuant le risque liés aux investissements importants et en stimulant les innovations bleues** sur terre et en mer pour développer de nouvelles chaînes de valeur biosourcées et ouvrir de nouveaux marchés
- 4- Développant des territoires intelligents et connectés entre terre et mer**
- 5- renforçant la coopération internationale** en matière de recherche et d'innovation autour des mers et des océans, afin de promouvoir une économie bleue globalement durable

Horizon 2020 : pilier 3 → SC2

Food and
Oceans

DT-BG-04-2018-2019: Sustainable European aquaculture 4.0: nutrition and breeding

IA
6M

2-step
- 23/1/19
- 4/9/19

Scope:

- develop smart breeding programmes and/or tailor feeding formulas and technologies for conventional and organic aquaculture – for marine and/or freshwater - targeting animal health (contributing to disease resistance) and welfare, different production systems, feeding efficiency, resilience and climate change mitigation
- explore the potential of the microbiome on health and productivity of farmed species
- use of Internet of Things (IoT) and Artificial Intelligence (AI) should be considered
- develop a set of indicators to monitor and measure progress towards the expected impacts

Upcoming H2020 opportunities (2018-9)

Societal challenge 5

« Climate action, resource efficiency and raw materials »

Societal Challenges (EUR 29.7 bn)	
Health (SC1)	EUR 7.5 bn
Food (SC2)	EUR 3.9 bn
Energy (SC3)	EUR 6 bn
Transport (SC4)	EUR 6.3 bn
Climate/Environment (SC5)	EUR 3 bn
Inclusive Societies (SC6)	EUR 1.3 bn
Security (SC7)	EUR 1.7 bn



Upcoming H2020 opportunities – SC5

<u>LC-CLA-06-2019: Inter-relations between climate change, biodiversity and ecosystem services</u>	RIA	25M (5-7M)	2-step - 19/2/19 - 4/9/10
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Scope:

- Investigate at all relevant spatial and temporal scales **the way ecological processes, biodiversity and ecosystems are impacted by climate change**, both directly and indirectly

Impacts:

- More evidence-based biodiversity conservation strategy and ecosystem management
- EU at the forefront of climate change predictive capacity through models better accounting for the interactions and feedbacks between biodiversity, ecosystems and the climate system

Upcoming H2020 opportunities – SC5

CE-SC5-04-2019: Building a water-smart economy and society

b) Large scale applications with multiple water users at various relevant scales

IA	72M (10-15M)	2-step - 19/2/19 - 4/9/10
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Scope: Test and demonstrate systemic innovation in real life and address multiple water users (urban, industrial, rural, agricultural) and various relevant scales (regional, national, international) for:

- Stimulating efficient and multiple use, recycling and reuse of water
- managing water demand and efficient allocation
- Exploiting alternative water sources
- Prevention of water pollution and degradation of the aquatic environment and soil
- Cost-effective and smart management of the water system and infrastructure

Upcoming ERANET opportunities

One joint call launched by the ERANET secretariat

« A la carte » participating countries

Two-step application process

One single transnational submission via the coordinator
(IT submission tools different from H2020)

Eligibility rules are national (the ones from each participant's country)

~ **Smaller project than H2020:** 5/6 partners and 2M€ budget

ERANET modus operandi



Upcoming ERANET opportunities



Open : 9 Feb 2018

1st Deadline : 27 March 2018

Austria, Belgium, Canada, Denmark,
Estonia, Finland, France, Germany,
Hungary, Ireland, Italy, Kingdom,
Latvia, Netherlands, Norway, Poland,
Romania, Spain, Turkey.

- **PRIMA Section 2 Call (32 M€)**
- **9 topics:**
- Water resources availability and quality within catchments and aquifers
- Sustainable, integrated water management,
- Irrigation technologies and practices,
- Adaptation of agriculture to climate change,
- Preventing emergence of animal and plant diseases,
- Developing farming systems able to generate income, to create employment and to contribute to a balanced territorial development,
- Valorising food products from traditional Mediterranean diet,
- Food Safety in local food chains,
- Implications of dietary shifts and sustainable diets for the Med populations and food industry.

Consortia must include at least **three legal entities** established in three different countries considered as Participating States, out of which:

- at least one must be established in a **EU Member State** or a third country associated to Horizon 2020 participating in PRIMA and not being a MPC (Croatia, Cyprus, France, Germany, Greece, Italy, Luxembourg, Malta, Portugal, Slovenia, Spain)
- at least one must be established in a **third country non-EU Participating State** bordering the Mediterranean Sea (MPC) considered as a Participating State (Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Tunisia, Turkey)

Upcoming ERANET opportunities



SusCrop – ERA-NET

Cofund on Sustainable Crop Production

FACCEJPI

Open : 9 Feb 2018

1st Deadline : 27 March 2018

Austria, Belgium, Canada, Denmark,
Estonia, Finland, France, Germany,
Hungary, Ireland, Italy, Kingdom,
Latvia, Netherlands, Norway, Poland,
Romania, Spain, Turkey.

- Call for proposal ERANET co-fund « SusCrop - Sustainable Crop Production (17.2 M€ + 4 M€ top-up)
- 4 topics:
 - I. Enhancement of predictive breeding technologies and development of new genotypes leading to new phenotypes and crop varieties for improvement of plant health, protection, production and resilience
 - II. Development and exploitation of novel integrated pest and crop management methods and practices
 - III. Improvement of resource-use efficiency of crops and cropping systems
 - IV. Systemic research on agricultural crops as part of an ecosystem including interactions between plants and other organisms (“the plant as a meta-organism”)

→ at least **three eligible partners** requesting funding from three different SusCrop member countries who contribute funds to the Call.

Upcoming ERANET opportunities



Open : mid Feb 2018

1st Deadline : mid April 2018

- Closing the Water cycle Gap – Sustainable Management of Water resources
- **3 topics:**
 - Enabling sustainable management of water resources
 - Strengthening Socio-economic Approaches to Water Management
 - Supporting tools for sustainable Integrative management of water resources



To be open in 2018

- AXIS – Assessment of Cross(X)-sectoral climate impacts and pathways for Sustainable transformation
- **3 topics:**
 - Cross-sectoral and cross-scale climate change impact assessments
 - Integration of biophysical climate change impacts estimates with economic models
 - Developing pathways to achieve the long-term objectives of the Paris Agreement

Upcoming ERANET opportunities

Anticiper 2019->2024 :

LC-SFS-20-2019: European Joint Programme on agricultural soil management

SFS 31 – 2019: ICT-Enabled Agri-Food Systems

SFS 31 – 2019: Climate Change and Food Systems

Plateforme Europe - Contacts



Institution	Programme	Contact	Email
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Merci de votre attention