



Research, development and innovation

The H2020 programme and How to prepare a (competitive) proposal

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International projects manager

Scientific meeting:
NEPAD networks of centre of excellence in water sciences
Swiss spirit hotel & suites alisa, Accra, Ghana, 31 Oct-4 Nov 2016

Contents



Picture 1. Horizon 2020 programme: a quick overview

Picture 2. CREA F experience in H2020

Promoting and Shaping social innovation governance pathways to enhance rural development in Europe

List of participants

Participant ID	Participant organisation name	Country
1	ESOP (Centre de coopération scientifique - Adressaires Hors-europe)	Spain
2	ICM (Instituut voor Landbouw en Milieu)	United Kingdom
3	ICM (Instituut voor Landbouw en Milieu)	United Kingdom
4	INRAE (Institut National de Recherche pour l'Agriculture, l'Aquaculture et la Pêche)	France
5	FAO (Food and Agriculture Organization of the United Nations)	Italy
6	DFP (Deutscher Forschungszentrum für Ernährung)	Germany
7	LEADER (Landwirtschaftliche Entwicklung)	Germany
8	ICM (Instituut voor Landbouw en Milieu)	Belgium
9	ICM (Instituut voor Landbouw en Milieu)	United Kingdom
10	ICM (Instituut voor Landbouw en Milieu)	United Kingdom
11	ICM (Instituut voor Landbouw en Milieu)	Spain
12	ICM (Instituut voor Landbouw en Milieu)	Poland
13	ICM (Instituut voor Landbouw en Milieu)	Belgium
14	ICM (Instituut voor Landbouw en Milieu)	Spain
15	ICM (Instituut voor Landbouw en Milieu)	France
16	ICM (Instituut voor Landbouw en Milieu)	Spain
17	Association of Euro Food Service in Bulgaria	Bulgaria
18	ICM (Instituut voor Landbouw en Milieu)	Belgium
19	ICM (Instituut voor Landbouw en Milieu)	United Kingdom
20	ICM (Instituut voor Landbouw en Milieu)	France

Table of contents

1. Executive summary	1
1.1. Objectives	2
1.2. Relevance to the main programme	3
1.3. Concept and approach	3
1.4. Analysis	13
1.5. Impact	18
2.1. Expected results	18
2.2. Measures to maximise impact	20
3. Implementation	30
3.1. Work plan - Work packages, activities and milestones	32
3.2. Management structure and procedures	40
3.3. Resources to be committed	48

Picture 3. How CREA F prepare a competitive proposal (lessons learnt)

**Horizon 2020
programme
a quick overview**



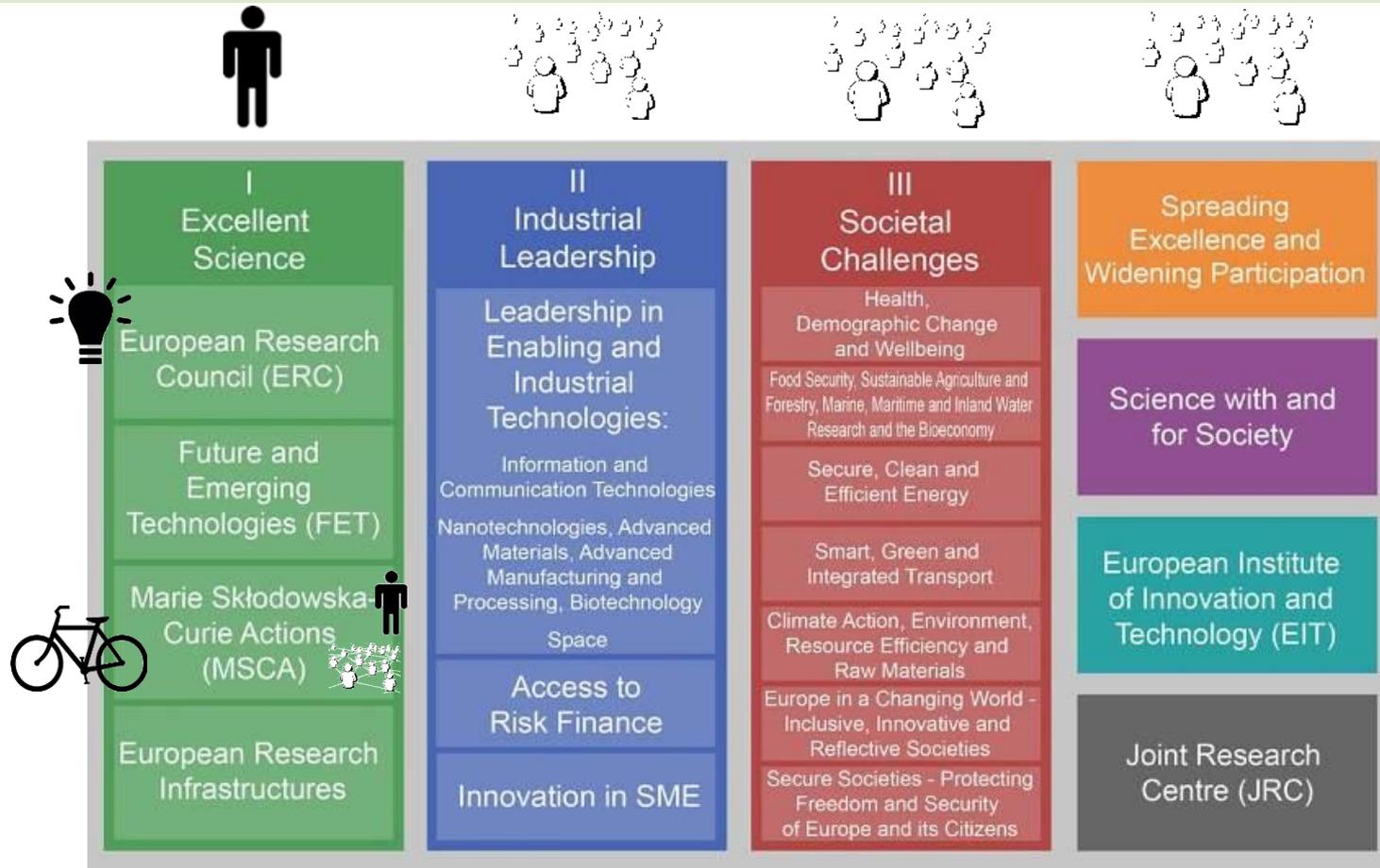
Horizon 2020 is the EU Research and Innovation funding programme (2014 to 2020)

The goal is to ensure Europe produces world-class science, removes barriers to innovation and makes it easier for the public and private sectors to work together in delivering innovation.

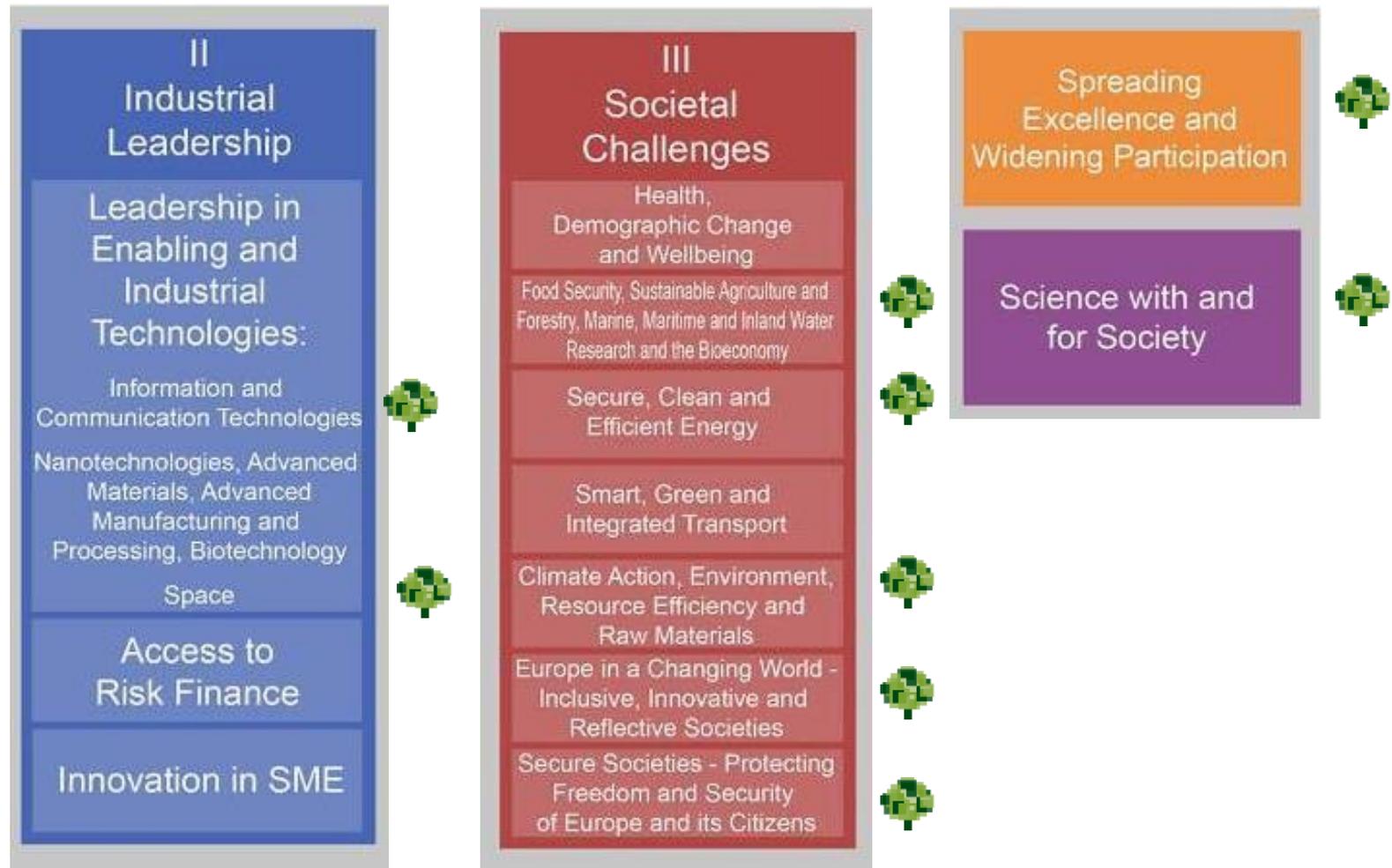
Three priorities



H2020 Programme



<https://ec.europa.eu/programmes/horizon2020/h2020-sections>





EN

Horizon 2020

Work Programme 2016 - 2017

12. Climate action, environment, resource efficiency and raw materials

Important notice on the second Horizon 2020 Work Programme

This Work Programme covers 2016 and 2017. The parts of the Work Programme that relate to 2017 (topics, dates, budget) have, with this revised version, been updated. The changes relating to this revised part are explained on the Participant Portal.

(European Commission Decision C(2016)4614 of 25 July 2016)

Table of contents

Introduction	4
Call - Greening the Economy	7
Introduction	7
Climate services	8
SCS-01-2016-2017: Exploiting the added value of climate services	10
SCS-02-2017: Integrated European regional modelling and climate prediction system	13
SCS-03-2016: Climate services market research	14
SCS-04-2017: Towards a robust and comprehensive greenhouse gas verification system	16
SCS-05-2016: A 1.5 million year look into the past for improving climate predictions	17
SCS-30-2017: ERA-NET on Climate Services Roadmap: Cross-sector impact assessments (evaluation, comparison and integration)	18
SCS-31-2017: Widening international cooperation activities on climate adaptation and mitigation	20
Towards a low-carbon Europe	22
SCS-06-2016-2017: Pathways towards the decarbonisation and resilience of the European economy in the timeframe 2030-2050 and beyond	22
SCS-07-2017: Coordinating and supporting research and innovation actions on the decarbonisation of the EU economy	26
Nature-based solutions for territorial resilience	27
SCS-08-2017: Large-scale demonstrators on nature-based solutions for hydro-meteorological risk reduction	28
SCS-09-2016: Operationalising insurance value of ecosystems	31
SCS-10-2016: Multi-stakeholder dialogue platform to promote innovation with nature to address societal challenges	33
SCS-32-2017: Biodiversity scenarios	36
Water	37
SCS-11-2016: Supporting international cooperation activities on water	39
SCS-12-2016: Food systems and water resources for the development of inclusive, sustainable and healthy Euro-Mediterranean societies	40
SCS-33-2017: Closing the water gap	41
Raw materials	43
SCS-13-2016-2017: New solutions for sustainable production of raw materials	44
SCS-14-2016-2017: Raw materials Innovation actions	48
SCS-15-2016-2017: Raw materials policy support actions	52

**Coordination and supporting
actions (CSA)**

**Research and Innovation
actions (RIA)**

Innovation actions (IA)

Collaboration

Impact

Innovation

Open access

Widening participation

Socio-economic sciences and humanities (SSH)

Networking

Stakeholder engagement

RRI

International cooperation

News

H2020 call for expression for interest for experts (11/2013)
New calls for expression of interest for individual experts and for organisations to suggest experts were just published in OJ C342 of 22 November 2013. European Commission will soon need experts to evaluate first Horizon 2020 proposals. Don't forget to tick the H2020 box in the registration platform and update your expertise.

Quick Links

- [FAQ for Experts](#)
- [Expert recommendations](#)
- [Guidance on the evaluation of innovation, social sciences and humanities and other aspects of H2020 proposals](#)

Logistics for Brussels

- [Map of evaluation area](#)
- [Info on hotels](#)
- [Metro map](#)
- [From airport to Brussels](#)



Experts

H2020 ONLINE MANUAL

Join the database of independent experts for European research and innovation.

The European Commission appoints independent experts to assist with research and innovation assignments including the evaluation of proposals, monitoring of projects, and evaluation of programmes, and design of policy.

New experts

Who can be an expert?

You have a chance of being selected as an expert if you:

- have high-level of expertise in the relevant fields of research and innovation ([see call](#) for details on types of expertise).
- can be available for occasional, short-term assignments

REGISTER AS EXPERT



In order to access the expert registration form, you are first asked to login with a valid Participant Portal (ECAS) account. If you do not have it yet, it easy to [create your Portal \(ECAS\) account](#).

Registered experts

What do expert assignments involve?

Experts, as peer reviewers, assist in the:

- **evaluation** of proposals
- **monitoring** of actions

In addition, experts assist in the :

- **preparation, implementation or evaluation of programmes and design of policies.** This includes the Horizon 2020 Advisory Groups.

Assignments mainly concern research and innovation, falling within the Horizon 2020 programme designed to address the challenges Europe is facing through funding excellent science, technology and innovation.

Take a look at the most recently [funded projects](#).

CREAF experience in H2020

Mission



CREAF is a public research center in **terrestrial ecology, global change and earth observation**, pursuing **excellence** in knowledge generation, methodological development, innovation, transfer, training, and dissemination.

The center aims to contribute to the **knowledge, conservation and management of natural environment and territory**, and to the adaptation to environmental changes at a local, regional and global level, encouraging the link between the academic world, administrations and society.

Governance

28 years old **Consortium founded in 1988**



Staff Composition



Categories	Total no. of full-time equivalents	Total no. of persons
Total		
1. Academic staff	133	143
- Senior researchers	35	35
- Junior researchers	13	13
- Technical staff	36	47
- Postdoctoral students	17	17
- Predoctoral students	32	32
Others	0	0
2. Non-academic staff	17	20
- Administration	7	8
- Core scientific platforms	3	5
- Technical support	2	2
- IT staff	2	2
Others	3	3
TOTAL	150	163

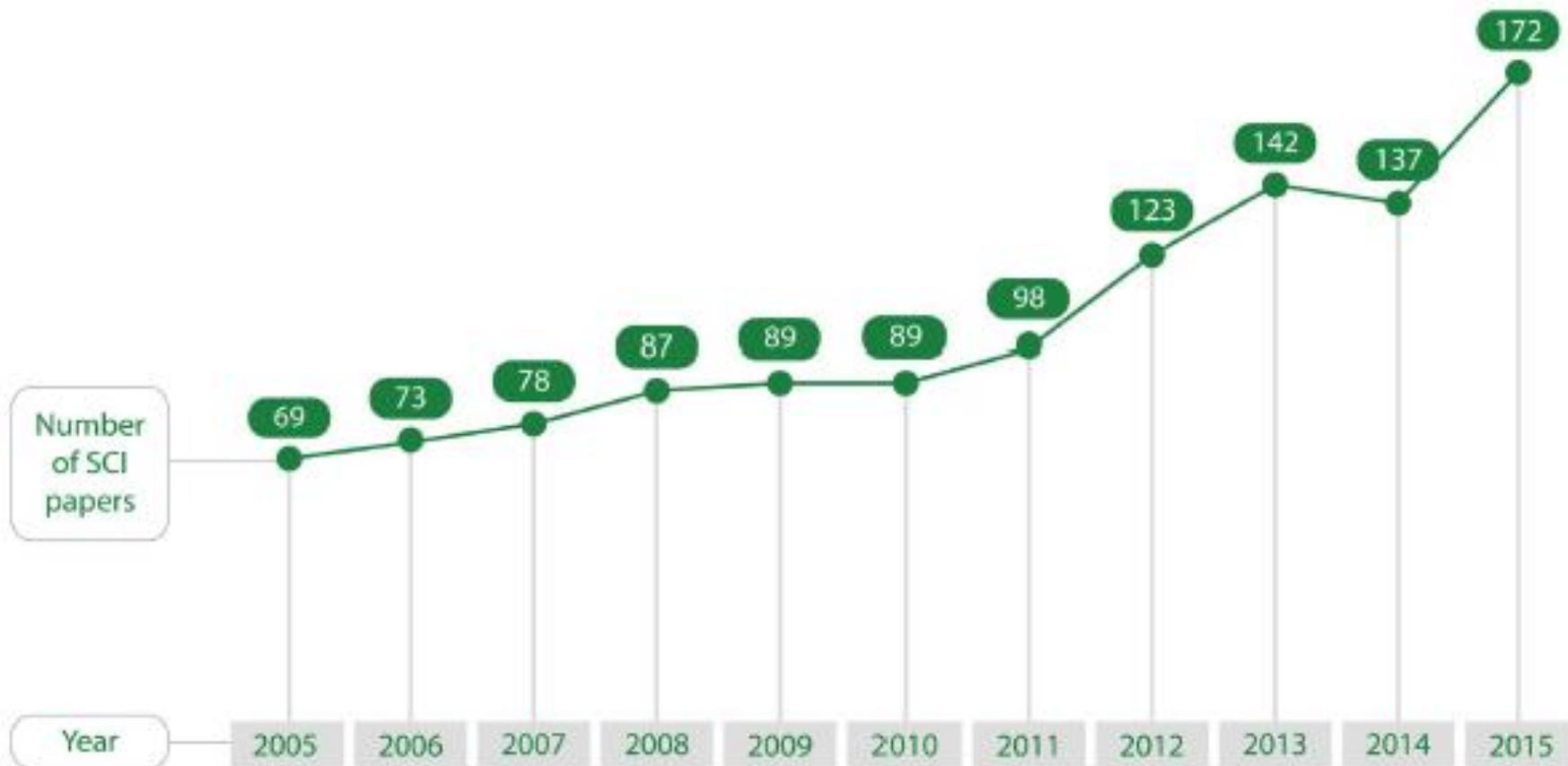
Non-academic staff

$$20 / 163 = 12\%$$

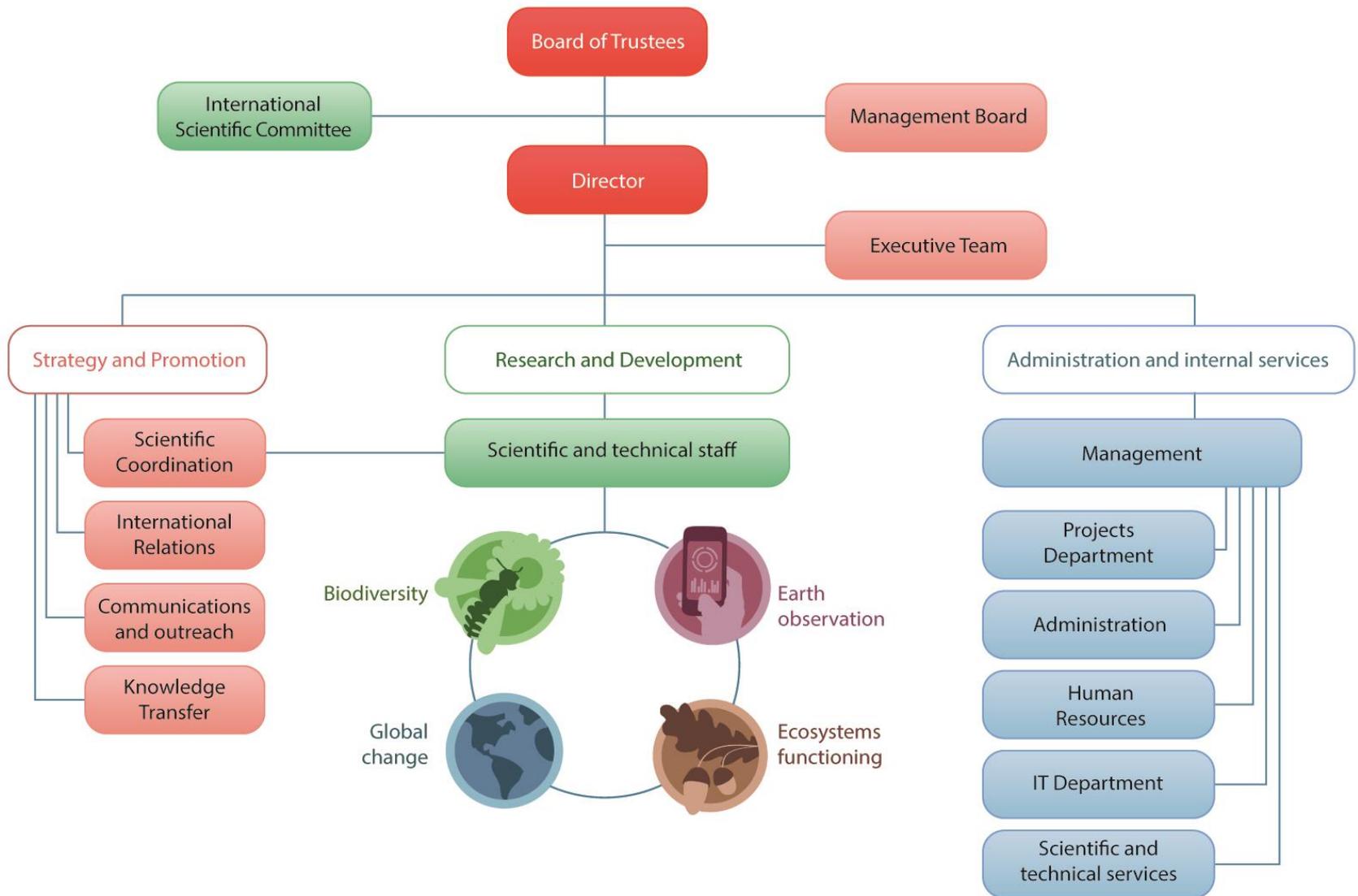
Scientific Production



Figure 2. Evolution of the number of SCI papers of CREA F during 2006-2015



Organizational Chart



Highlights 2014



June 25th, 2014

Crows, pigeons, doves, and starlings are the birds best prepared for city living

“Knowing which birds are more or less prepared for city living is a priority for evaluating effects in a future which will only be increasingly urbanized, says Daniel Sol, researcher from CREA F.”

A study lead by researchers from CREA F and the CSIC published in [Ecology Letters](#) reveals that biodiversity loss in cities is not a result of chance alone, but rather the low tolerance of the majority of species to alterations brought about with urbanization.

Photo (CC BY NC SA) CREA F



Highlights 2014



December 3rd, 2014

The fragrance of flowers depends on the fungi and bacteria that coat them

“Josep Peñuelas, research professor at CREA F and his team has demonstrated that if we do away with fungi and bacteria living on flowers, the quantity and composition of their perfume will be entirely changed”

According to a news study published by CREA F in [Nature's Scientific Reports](#), the perfumers of the planet, the protagonists creating the most delicate floral aromas, are not just flowers but also the microorganisms and fungi which coat them.

Photo (CC BY NC SA) the justified sinner



Highlights 2014



April 7th, 2014

Nutrient-rich forests absorb more carbon

“ According CREA F researcher Marcos Fernández forests' capacity for sequestration of carbon from the atmosphere depends on the nutrients available in the soil”

According to new research published in the journal *Nature Climate Change* forests growing in fertile soils with ample nutrients are able to sequester about 30% of the carbon that they take up during photosynthesis. In contrast, forests growing in nutrient-poor soils may retain only 6% of that carbon; the remainder is returned to the atmosphere via respiration.

Photo (CC BY-NC-SA) CREA F



Highlights 2014



November 27th, 2014

Coexist or perish, wildfire analysis says

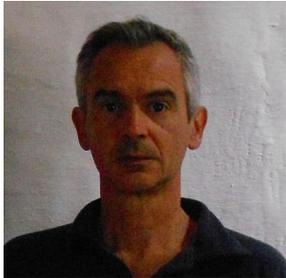
“ According to Enric Battlori, CREA F researcher, if humans choose to live in fire-prone regions, fire must be managed on par with other naturally occurring hazards and research must seek to understand what factors and outcomes humans can and cannot affect”

CREAF has participated in a study published in the journal [Nature](#) that examines findings from three continents on government-sponsored fire fighting and land-use policies. The authors, including scientists from the natural and social sciences, conclude that these practices actually encourage development on inherently hazardous landscapes, amplifying human losses over time.

Photo (CC BY NC SA) CREA F



Highlights 2015



May 14th, 2015

Bee genomes show evolution takes many routes from solitary to social life

“ An international consortium of researchers, including Jordi Bosch from CREA F, discovered there are many roads to social evolution, but the evolutionary vehicles tend to be the same.”

The paper was published in the journal [Science](#). One of the main findings was that there is no single road map to eusociality, there may be many different trajectories for social evolution. All, however, involved increases in the complexity of gene networks.

Photo Javier Losarcos



Highlights 2015



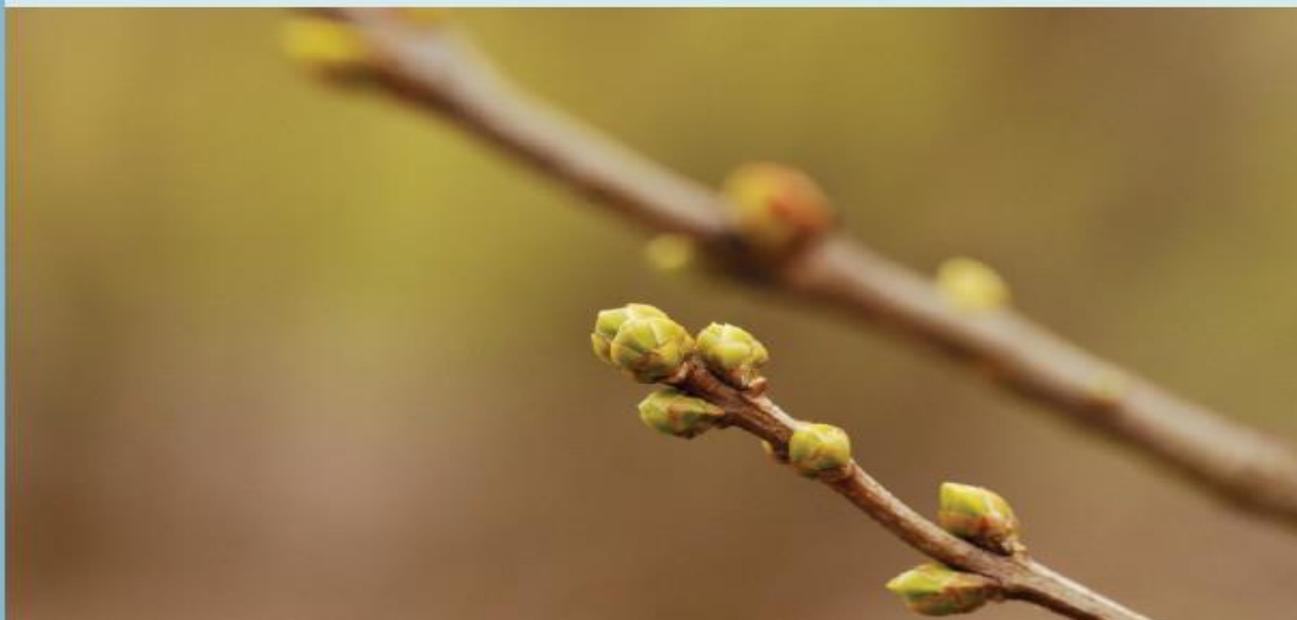
September 23rd, 2015

The fragrance of flowers depends on the fungi and bacteria that coat them

“Leaf unfolding occurred on average about 4 days earlier every one degree increase in spring temperature between 1980 and 1994, whereas this value dropped to -2.3 days C-1 between 1999 and 2013, a decrease of over 40%.”

According to this study published in the journal *Nature* with the participation of Josep Peñuelas, researcher from CSIC at CREA F, warmer winters and photoperiod are forcing plants to control their phenology calendars.

Photo (CC BY NC SA) CREA F



Highlights 2015



February 26th, 2015

Human activity may be supporting growth of harmful algae in lakes

“The organisms commonly known as blue-green algae have proliferated much more rapidly than other algae in lakes across North America and Europe over the past two centuries – and in many cases the rate of increase has sharply accelerated since the mid-20th century.”

According to scientific article published in [Ecology Letters](#) with Jordi Catalan from the CREA as an author.

Algae bloom in a lake. Autor: Fernando Cobo



Highlights 2015



November 25th, 2015

The tallest trees in tropical forests die from dehydration after extreme droughts

“According to a study co-led by Maurizio Mencuccini from CREA F published in the journal *Nature*, droughts caused by climate change could result in the death of the tallest trees in tropical forests.”

For the first time, the scientists have shown that after prolonged water deficit tall trees suffer embolisms in their circulatory systems and die of dehydration.

Experiment in the tropical forest. Photo (CC BY NC SA) CREA F



Doctorate program in Terrestrial Ecology Mention to Excellence

UAB

Universitat Autònoma de Barcelona



Universitat Autònoma de Barcelona > Study Abroad > All PhD programmes > Sciences > PhD in Terrestrial Ecology (General information)

PhD in Terrestrial Ecology

General information | Research and supervision | Activities | Review | Admission | Registration | After registration | Quality

Introduction

The [Centre for Ecological Research and Forestry Applications \(CREAF\)](#) coordinates the **PhD in Terrestrial Ecology** which consists in writing, presenting and defending an original piece of research which, in this case, is framed within the ambit of the terrestrial ecology.

This PhD programme is aimed at students interested in understanding the processes involved in global environmental change and the loss of biodiversity, as well as possible actions to mitigate the damaging effects of environmental changes and the conservation of natural resources.

The main professional opportunities arising from this PhD programme are:

- Researchers or lecturer in public research organisations and universities
- Managers of public and private institutions responsible for land management
- Specialists in the private sector

The PhD programme consists of 35 lecturers and associated researchers working on the following lines of research: Biodiversity, Functional ecology and global change; Forest ecology and fires; Soil protection and conservation; Remote sensing and GIS.

Candidate profile

Applicants should have a master's degree or Diploma of Advanced Studies (DEA) or equivalent that qualifies them to conduct scientific research in the field of ecology and conservation and management of biodiversity.

Professional opportunities

This PhD programme provides the following principal career options.

- Researcher or lecturer in public research bodies and universities.
- Specialist working in public or private institutions, charged with managing land use in general and natural systems in particular.
- Work in private companies operating in the fields of natural resources management, conservation and

UAB PhD

Number of students: 10

Fees: aprox. 540 €/year

[View detail of the PhD's fees](#)

Organising universities and institutions:
Universitat Autònoma de Barcelona

Associated departments or institutes:
Centre de Recerca Ecològica i Aplicacions Forestals (CREAF)

Collaborating institutions:
Instituto de Investigación de Recursos Biológicos "Alexander von Humboldt"
Universidad Nacional de Colombia
Universidad Nacional de Asunción (Paraguay)

Sciences

Apply for admission

Tuit M'agrada 1 G+1



Knowledge Transfer



Table 1. CREAM's transference projects whose outcomes mostly are products and tools (●) or services (■)

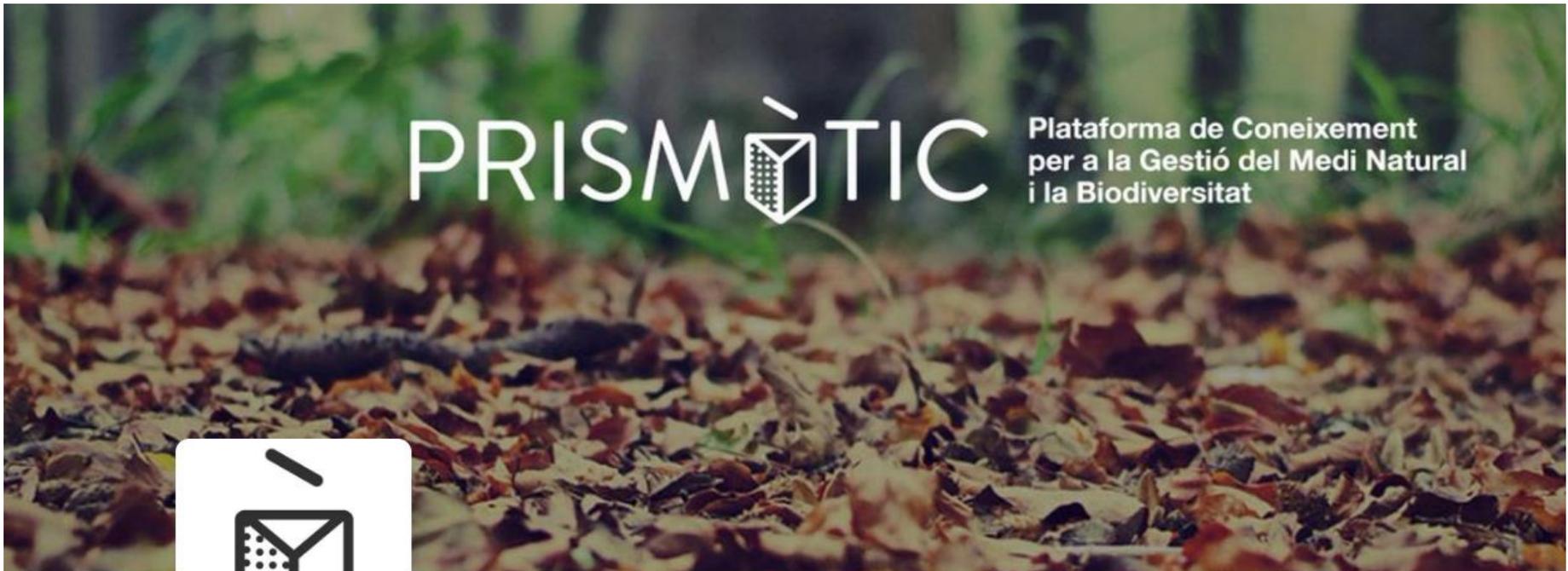
Acronym	Title	Funding
Topic: Citizen Science		
● CS-TIGER/ Mosquito Alert	Citizen alert system of the tiger mosquito.	La Caixa Foundation (Private) / Spanish government
● NATUSFERA	Citizen science platform reporting personal observations of plant or animal species.	Spanish government
■ FENODATO	Phenological observations created by citizens for scientific analysis of global change.	Spanish government
Topic: Ecosystem services		
■ CARBOSTOCK	Mapping current and potential distribution patterns of carbon stocks and changes across vegetation land cover types in Peninsular Spain.	Spanish government
■ SITXELL	Multidisciplinary tool for territorial analysis, to planning and help territorial decision-making processes.	Barcelona Province Council
■ FORESMAP	Catalonian forest ecosystem services map by municipalities.	Catalonian government
Topic: GIS and web tools and services		
● MiraMon	Geographic Information System and Remote Sensing software.	Catalonian government
● MiraBosc	Web-tool to query the Second and Third National Forest Inventory of Catalonia.	Catalonian government
● SIPAN/SIPARC	Set of web-tool of Catalonia Natural Heritage and Natural Parc information.	Catalonian government
● DEBOSCAT	Web-tool for monitoring and evaluating the Catalan forest-health in the face of climate change.	Catalonian government
● GEO-PICTURES	GMES and Earth Observation, position based image and sensor Communications Technology for Universal Rescue, Emergency and Surveillance technology.	European Commission
● SCAITOMI	Tool for compression and transmission and interactive processing of massive images.	Spanish government
■ EGIDA/ GeoViQua	Promoting and developing the global Earth Observation System of Systems platform.	European Commission
■ ConnectinGEO	Coordinating an Observation Network of Networks EnCompassing satellite and in-situ to fill the Gaps in European Observations.	European Commission
■ ERA-PLANET	European network for Earth observation.	European Commission

Acronym	Title	Funding
Topic: Biodiversity		
● EXOCAT	Information system of exotic terrestrial and aquatic species of Catalonia.	Catalonian government
● PRISMATIC	Open access knowledge platform for the management of biodiversity and the environment.	Catalonian government
■ IMPACTBOAR	Protocol for reducing the impact of wild boars.	Autonomous National Park Service
■ SISEBIO	Information system and monitoring of Catalan biodiversity.	Catalonian government
■ BIO_AMB	Monitoring, vulnerability and assessment of Barcelona city biodiversity.	Urban Development Agency
Topic: Forest		
■ MENFRI	Discussion/action platform in forestry encouraging scientific and technological collaboration within the Mediterranean.	European Commission
■ CANVIBOSC	Disclosing scientific evidence of the effects of climate change on Catalan forests.	Climatic Change Catalan Office
■ Conservar aprovechando	Book-toolkit on environmental management merging exploitation and conservation.	Spanish government
■ SIMWOOD	Sustainable Innovative Mobilisation of Wood.	European Commission
Topic: Water		
■ MEDACC	Demonstration and validation of innovative methodology for regional climate change adaptation in the Mediterranean area.	European Commission
■ BEWATER	Dialogue and participation of water management planning.	European Commission
■ WaterInnEU	Applying European market leadership to river basin networks and spreading of innovation on water ICT models, tools and data.	European Commission
■ ICT4Water Cluster	Cluster of ICT and water management oriented projects to increase efficiency in water management.	European Commission
Topic: Soil		
■ MEDICHAR	Effects of biochar on carbon sequestration and soil biodiversity in Mediterranean soils.	Spanish government
■ CARBONET	Use and potential impacts of biochar in soil as a strategy for mitigating climate change.	Spanish government
■ PEDRERES	Innovation in the process and control of mining restoration activities.	Spanish government
■ SOCARAT	Pyrogenic organic matter as a source of stable carbon in soils and its relationship with ecotoxicity.	Spanish government

A general protocol for knowledge transfer



Database of CREAF studies' summaries, with search tools specifically designed for managers



Prismàtic
@Prismatic_nat

TWEETS 370 SIGUIENDO 249 SEGUIDORES 218 ME GUSTA 503 LISTAS 4

Seguir

Tweets Tweets y respuestas Multimedia

¿Eres nuevo en Twitter?
¡Regístrate ahora para obtener tu propia cronología personalizada!

Ex1: Mosquito Alert

Citizen science platform to fight against mosquito-borne diseases



We want to detect and control the **breeding sites** at the public road



You will help to detect quickly the possible arrival of the **yellow fever mosquito** in Spain



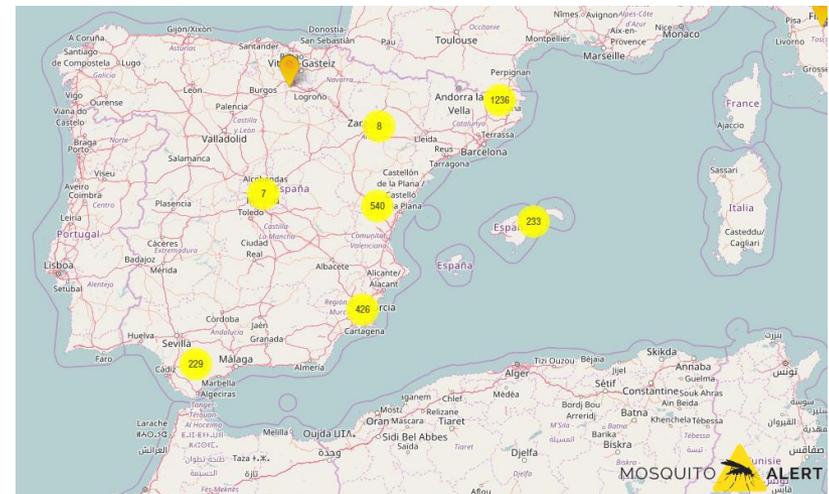
Your observations are used to monitor and control the **tiger mosquito**

Ex1: Mosquito Alert

In 2015 more than
1,700 reports
confirmed as tiger
mosquito

29,500
accumulated
downloads of
the app

- Citizens report their findings of **tiger mosquito (*Aedes albopictus*)** through the **Mosquito Alert App**
- A team of **entomologists** review and classify the photos before making them public on a map.

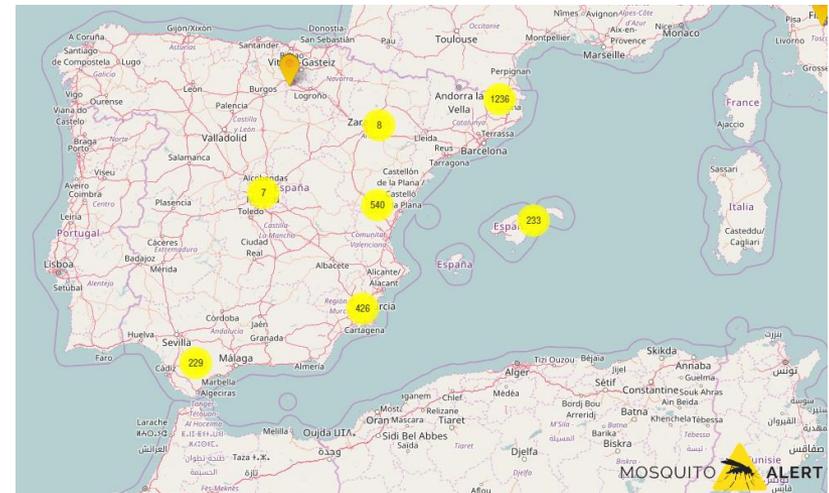


Ex1: Mosquito Alert

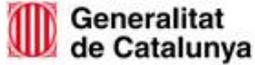
In 2015 more than
1,700 reports
confirmed as tiger
mosquito

29,500
accumulated
downloads of
the app

- With this information, **scientists study the distribution and spread of these mosquitoes.**
- **Public health and environment managers use this platform as a new source of information to implement control measures.**

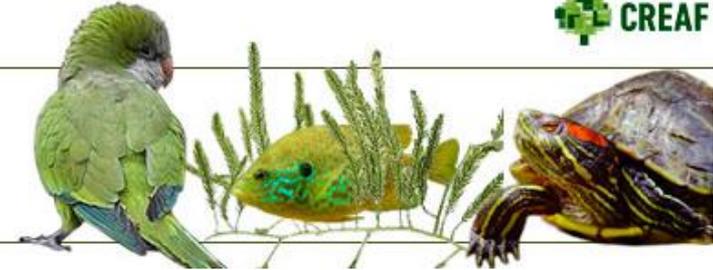


Ex2: EXOCAT



Exocat

SISTEMA D'INFORMACIÓ DE LES ESPÈCIES
EXÒTIQUES DE CATALUNYA



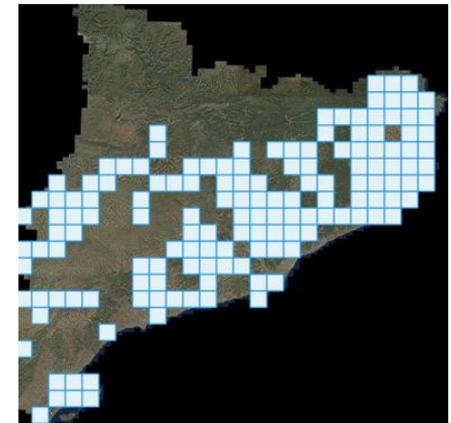
- A database on alien species in Catalonia, feeded by citizens, scientists and managers.
- It includes species selection tools, specific information and dynamic maps.

Procambarus clarkii

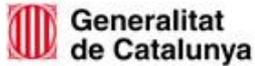


Autor: ACA)

Gènere: *Procambarus*
Espècie: *clarkii*
Varietat:
Subvarietat:
Noms vulgars: Cranc roig america (cat.), Cangrejo rojo americano (cast.).
Grup: Invertebrats aquatics
Regió nativa: America Central
Estatus històric: Neozou
Estatus Catalunya: Invasora
Vies d'entrada: Repoblacions, Aquariorfilia, Pesca esportiva, Aquicultura
Present al 'Catálogo': S

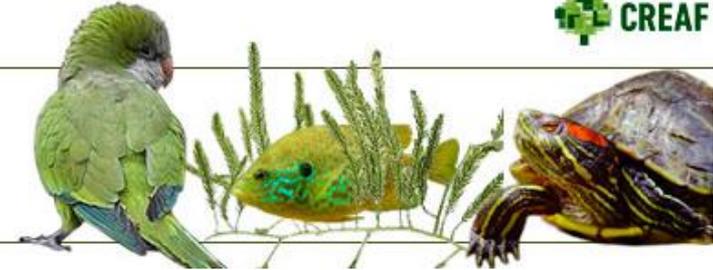


Ex2: EXOCAT



Exocat

SISTEMA D'INFORMACIÓ DE LES ESPÈCIES
EXÒTIQUES DE CATALUNYA



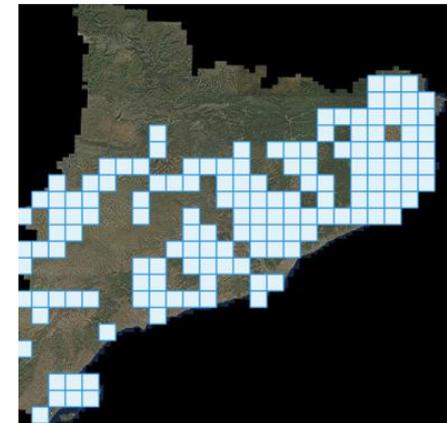
- **Scientists** can use these data to study the distribution and invasive status of alien species, and **managers** to implement specific control measures.
- EXOCAT is bound to be the **core set of the future Alert Network of IAS in Catalonia**

Procambarus clarkii



Autor: ACA)

Gènere: *Procambarus*
Espècie: *clarkii*
Varietat:
Subvarietat:
Noms vulgars: Cranc roig america (cat.), Cangrejo rojo americano (cast.).
Grup: Invertebrats aquatics
Regió nativa: America Central
Estatus històric: Neozou
Estatus Catalunya: Invasora
Vies d'entrada: Repoblacions, Aquariorfilia, Pesca esportiva, Aquicultura
Present al 'Catálogo': S



Ex3: FENODATO



MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD

FECYT



FUNDACIÓN ESPAÑOLA
PARA LA CIENCIA
Y LA TECNOLOGÍA



#FenoDato

Ayúdanos a medir
el ritmo de la naturaleza



A citizen science initiative to follow seasonal changes in plants and animals. The aim is to **assist in the study of the effects of climate change on nature.**



Ex3: FENODATO



MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD

FECYT



FUNDACIÓN ESPAÑOLA
PARA LA CIENCIA
Y LA TECNOLOGÍA



#FenoDato

Ayúdanos a medir
el ritmo de la naturaleza



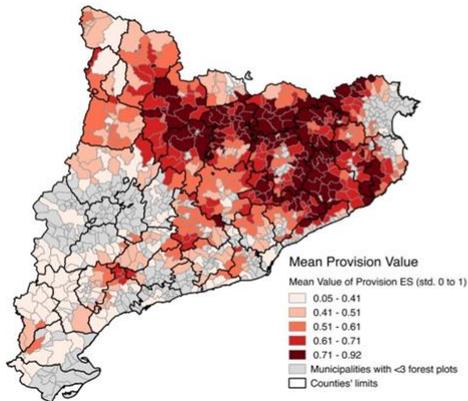
Citizens provide **the date and the place** in which the studied species change their **phenological stage**: bird migration, plant flowering, fruit ripening, hibernating, leaf falling, etc.



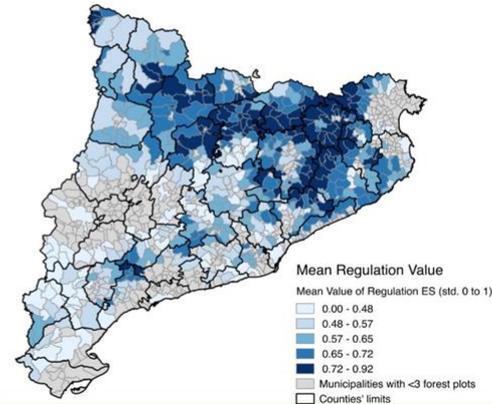
Ex4: FORESMAP

In collaboration with the Catalan Office of Climate Change Mapping and assessing forest Ecosystem Services in municipalities

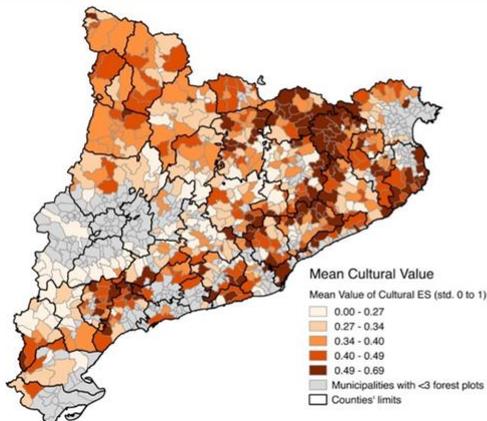
PROVISION



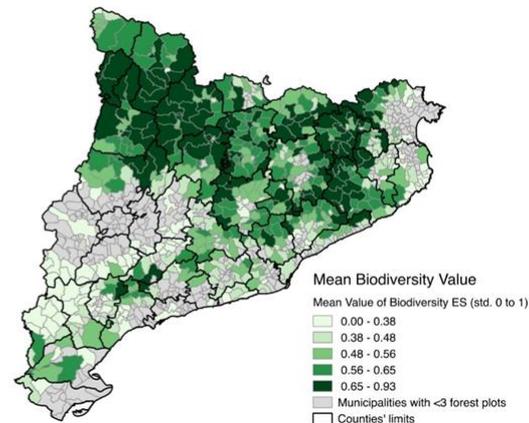
REGULATION



CULTURAL



BIODIVERSITY



Ex5: MiraMon



 **MiraMon**
GIS & RS 20years

 **GRUMETS**
Cat Cast Eng

Presentation Research Development Products Courses Support

SatCat: Servidor d'Imatges de Satèl·lit de Catalunya

GRUMETS CREAM



Bases de referència

- Nom de les comarques²
- Nivells administratius³
- Carreteres³
- Autopistes i vies preferides³
- Xarxa ferroviària³
- Xarxa hidrogràfica³
- Contorn de nivell¹ (equidistància 100 m)
- Relleu³
- Mapa de cobertes (11 edició)
- Llegenda completa
- Mapa topogràfic: 1:50000³

Imatges de satèl·lit

Tot Catalunya

- Landsat 1-2-3-4-5-7

Girona-Barcelonès

- Landsat 9 Sensor OLI-TIRS
- Landsat 7 Sensor ETM+
- Landsat 4-5 Sensor TM
- Landsat 4-5 Sensor MSS

Lleida-Tarragona

- Landsat 7 Sensor ETM+
- Landsat 4-5 Sensor TM
- Landsat 4-5 Sensor MSS

òrbita 212 Girona

- Landsat 1-2-3 Sensor MSS

òrbita 213 Centre

- Landsat 1-2-3 Sensor MSS

Anar a la: Comarca de: Selecció de: Escala: 50m (1:175.000) UTM30N-ETM30S

SEARCH

Search on MiraMon powered by Google

NEWS

- The new official standard GeoJSON, supported by the MiraMon.

- Today begins the course "Geographic Information Systems (GIS) for teaching purposes". More information here

- 200 MiraMon free licenses have been shared out!
- December 2015. MiraMon advanced course.

All the news...

TWITTER

Tweets by @MiraMon_ENG

 MiraMon
@MiraMon_ENG

5 projects having GRUMETS

- **Professional version: 60 000 downloads in 10 years**
(not including updates)
- **7400 licenses sold**
- **2422 students in 189 open courses; 800 in 63 on demand courses**
- **Used by about 200,000 users in 46 countries worldwide**
- **Universal Map Reader (free version): 20 downloads/day**

Growing with CitSci

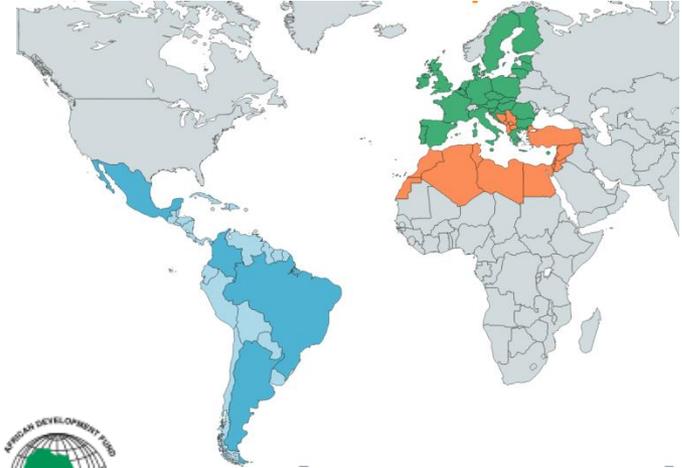


Public procurement I (tenders)



Target institutions/instruments:

- ✓ European Commission corporate procurement (EC)
- ✓ EuropeAid
- ✓ World Bank (WB)
- ✓ African Development Bank (AfDB- WB Group)*
- ✓ National cooperation agencies (AECID, AFD, GIZ,...)



Actions to begin:

- Development of internal procedures
- Identify information sources
- Expert partner search
- Production of basic documents (references, presentations, templates,...)
- Establishing links with Ministries and Public Authorities

Public procurement II (examples)



1- [Assistance technique pour la mise en œuvre du Programme d'amélioration de la gouvernance en milieu forestier \(PAMFOR\)](#) (ref: 138359) Cameroun (**Forecast**)

2- [Au Programme d'appui à la sécurité alimentaire et nutritionnelle, à l'agriculture durable et à la résilience au Burkina Faso \(PASANAD\)](#) (ref. 138419) – Burkina Faso (**Forecast**)

3- [Au Programme d'appui à la sécurité alimentaire et nutritionnelle, à l'agriculture durable et à la résilience au Burkina Faso \(PASANAD\)](#) (ref. 138419) – Burkina Faso (**Forecast**)



1- [Mission d'évaluation Environnementale Et Sociale Stratégique \(eess\) De La Stratégie Nationale REDD+ au Burkina Faso](#) Burkina Faso

2- [Individual Consulting Services For Behavior Change Communication Specialist As A Member Of Capacity Building Team For The Greater Accra Metropolitan Area Sanitation And Water Project](#) - Ghana

3- [Consultancy Service For Ibadan Flood Forecast & warning Services And Implementation Support \(EOI\)](#) – Nigeria

4- [Consultancy Services For The Sensitization, Design And Supervision Of Household & Community Rainwater Harvesting For Erosion/flood Control Sites In Ebonyi State Under The Ebonyi State Nigeria Erosion & Watershed Management Project \(eb-newmap\)](#) Nigeria - closed



AfDB:

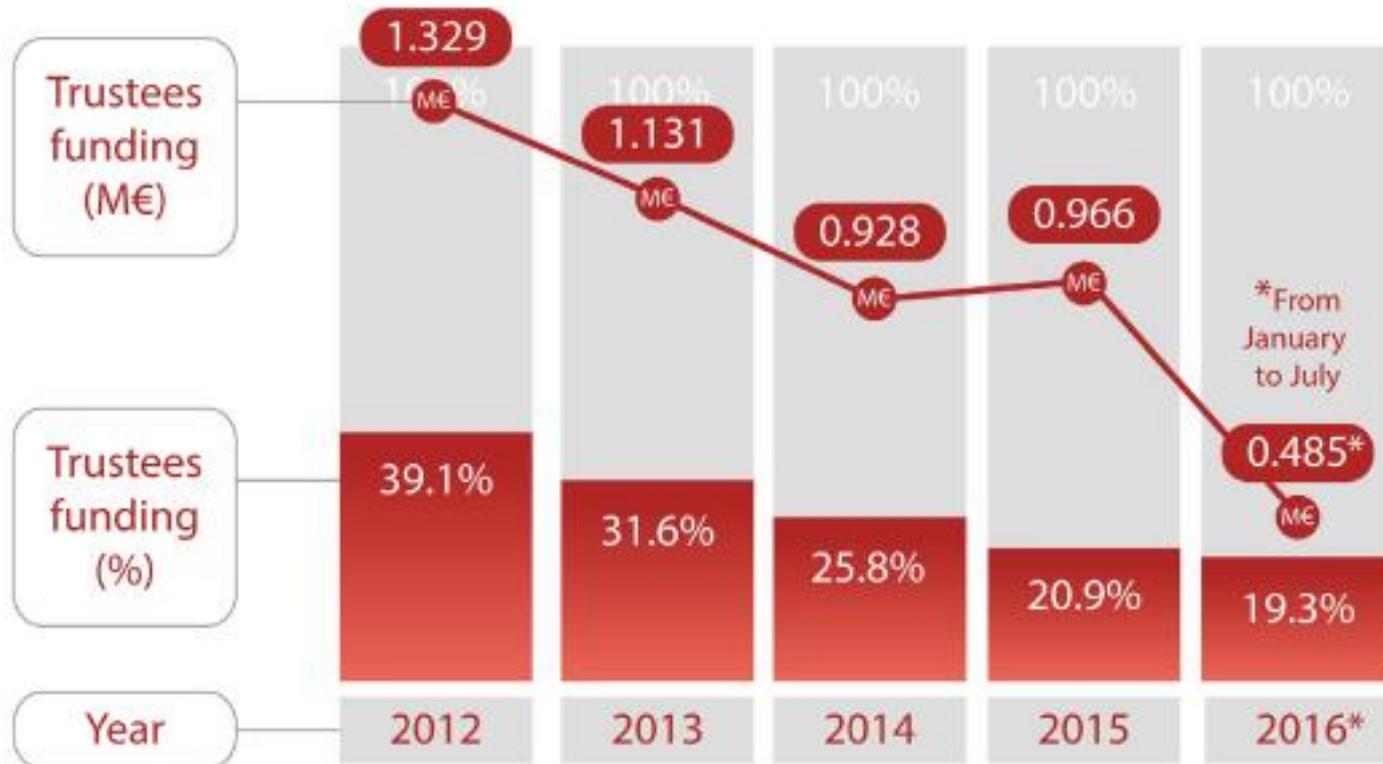
[Programme « Kandadji » de Régénération des Écosystèmes et de Mise en valeur de la vallée du Niger](#) - AOI - Niger

[Projet d'Aménagement des Bassins Versants et d'Amélioration de la Résilience Climatique « PABVARC »](#) - AOI Burundi

Budget: Incomes



Figure 2. Total contribution (M€) of Trustees to CREA F's budget and % of Trustees funding related to the total incomes per year.



Budget: Incomes



Figure 3. Total CREA F's funding (M€) and relationship between external funding and Trustees funding per year.



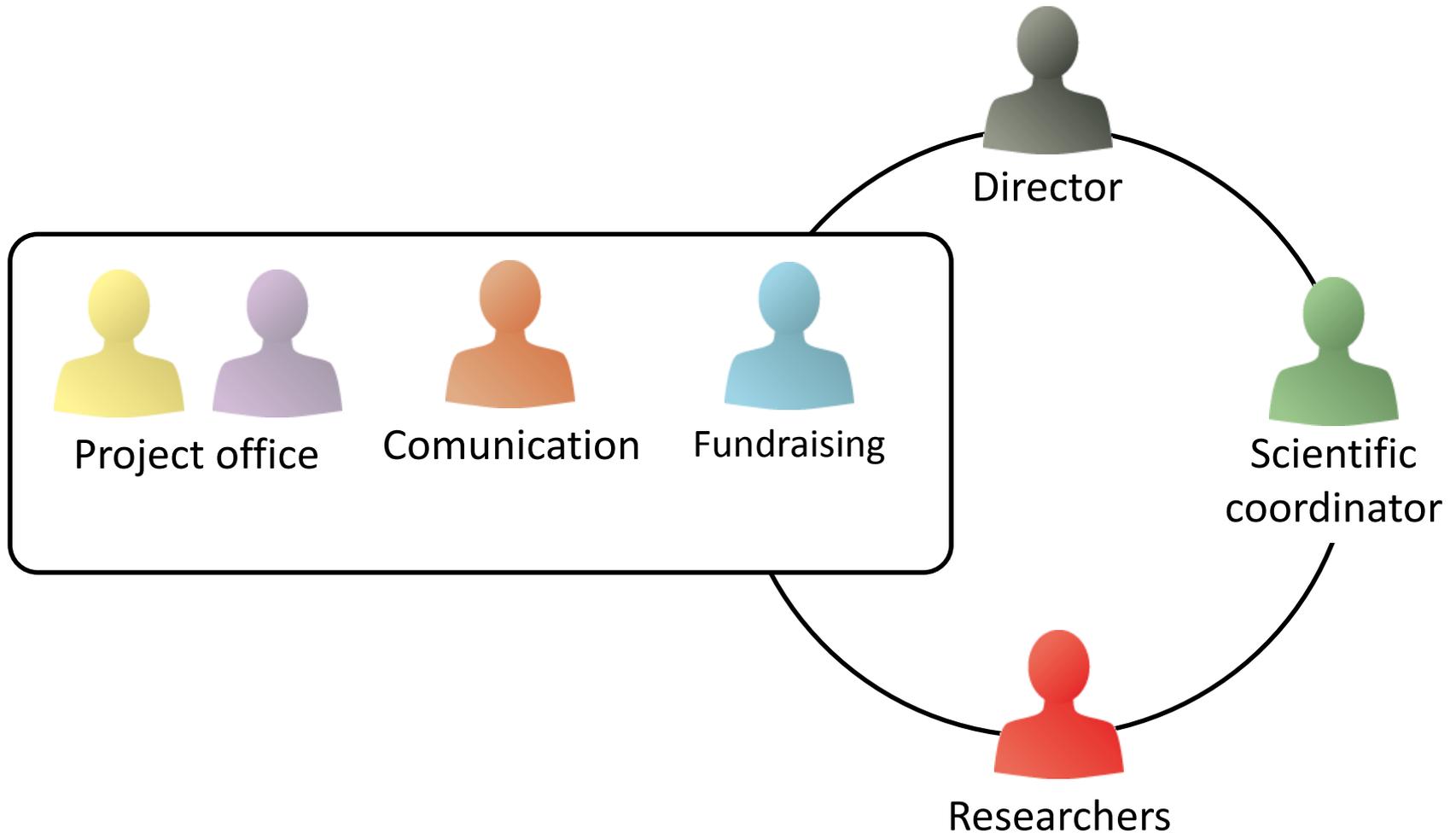
European Fundraising department

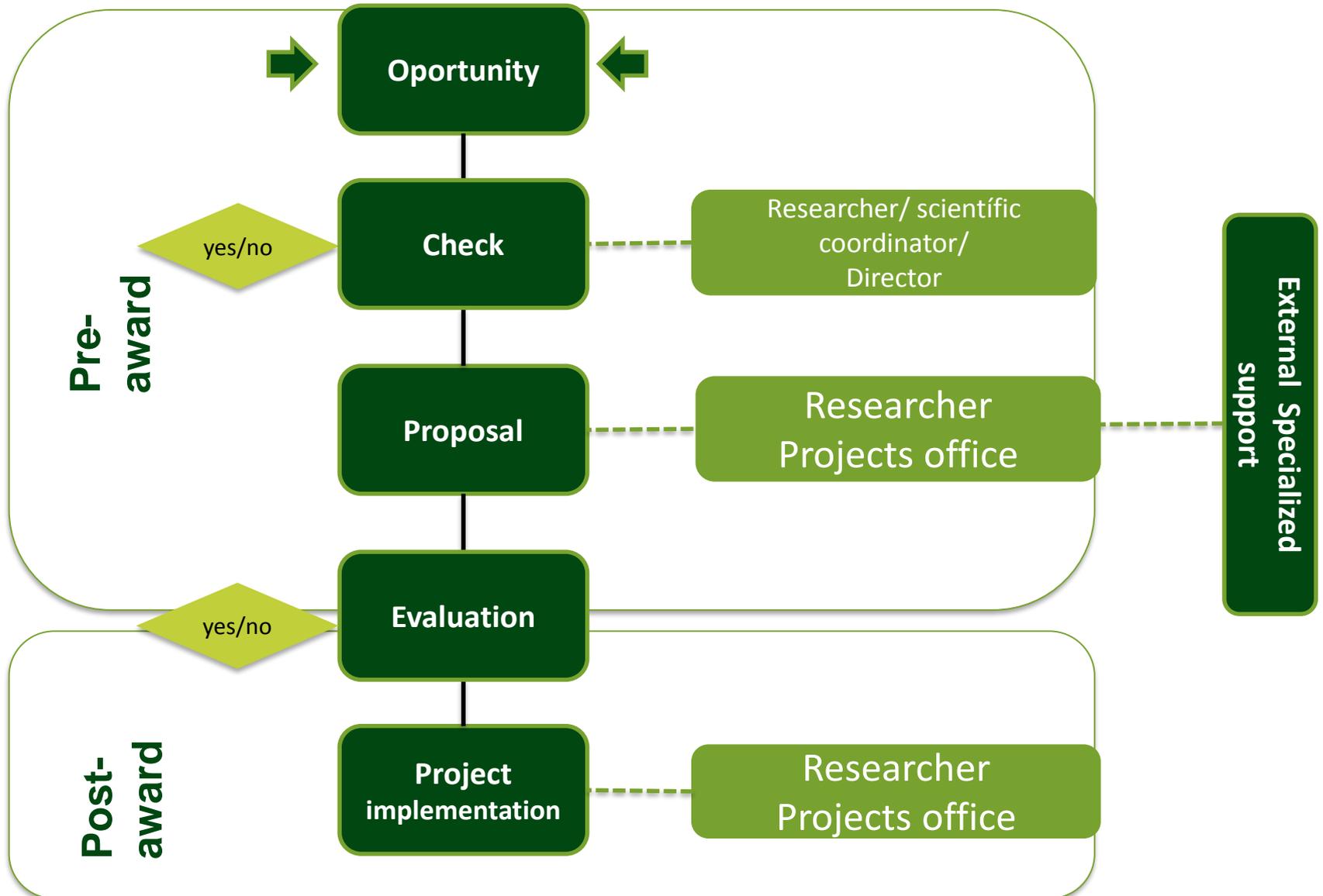


Objective/ Structure/ Activities

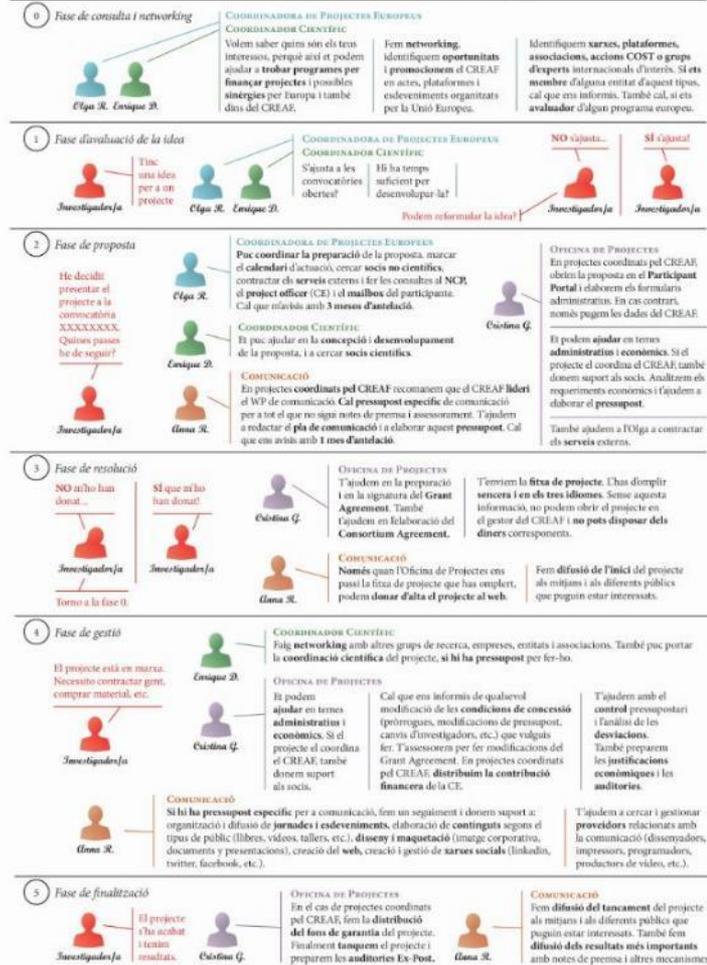
To help increasing CREAF external funding

Objective





Itinerari per demanar Projectes Europeus



Advising researchers on funding opps. & proposal writing

Promoting CREAM in the science & tech. EU sphere

Positioning CREAM interests in policies, call & for proposals

Activities

Funding opportunities
search **New horizons**

Internal website
upcoming

Training
At all levels

Tailor-made
service

Proposal
writing
advising
updated



Coffee forum
CAFÈU **new**

Call-specific
Info sessions
new

Advice/Support

Support high quality research



European Research Council

Established by the European Commission

Starting Grants

starters
(2-7 years after PhD)
up to € 2.0 Mio
for 5 years

Consolidator Grants

consolidators
(7-12 years after PhD)
up to € 2.75 Mio
for 5 years

Advanced Grants

track-record of
significant research
achievements in the
last 10 years
up to € 3.5 Mio
for 5 years

Synergy Grants

Proof-of-Concept

bridging gap between research - earliest
stage of marketable innovation
up to €150,000 for ERC grant holders





Catalyzing the leap from local to global

Promoting

Networking



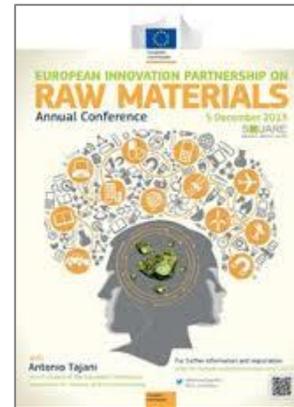
Table 1. International networking for the different research areas and other networks.

Name	Scope	Website
Research Area 1: Biodiversity		
ALTER-Net	EU	http://www.alter-net.info/
LTER - Long Term Ecological Research Network, Spanish node	EU	http://www.lter-spain.net/
Intergovernmental platform for biodiversity and Ecosystem Services (IPBES)	GLOBAL	http://www.ipbes.net/
European Bird Census Council (EBCC)	EU	http://www.ebcc.info/
Silva Mediterranea	EU	http://www.fao.org/forestry/silvamed/es/
Comunitat de Treball dels Pirineus	Nacional	https://www.ctp.org/
MRI-Mountain Research Initiative	EU	http://mri.scnatweb.ch/es/
EUROMONTANA	EU	http://www.euromontana.org/
Research Area 2: Functional Ecology and Global Change		
Red Global de Restauración Ecológica	IBEROAMERICA	http://www.globalrestorationnetwork.org
European Society for Soil Conservation	EU	http://www.essc.sk/
ACCENT Atmospheric Composition Change: the European Network	EU	http://www.accent-network.org/
EIP raw materials	EU	http://ec.europa.eu/eip/raw-materials/en/content/european-innovation-partnership-eip-raw-materials
European Technology Platform for Water (WssTP)	EU	http://wsstp.eu/
EIP Water	EU	http://www.eip-water.eu/
Global Soil Biodiversity Initiative	GLOBAL	http://www.biochar-international.org/
International Biochar Initiative	GLOBAL	http://www.globalsoilbiodiversity.org/
Society of Environmental Toxicology and Chemistry	GLOBAL	http://www.setac.org/
Research Area 3: Forest Ecology and Wildfires		
EFI	EU	http://www.efi.int/portal/
EFIMED	MEDITERRANIAN	http://www.efimed.efi.int/
Forest based technological platform (Forestry TP)	EU	http://www.forestplatform.org/
IBERO-REDD+	IBEROAMERICA	http://www.iberoredd.org/iberoredd/index.php

Name	Scope	Website
Research Area 4: Earth Observation and GIS		
GEO - Group on Earth Observations	GLOBAL	https://www.earthobservations.org/index.php
Open Geospatial Consortium (OGC)	GLOBAL	http://www.opengeospatial.org/
Belmont Forum 'Knowledge hub'	EEUU	http://www.bfe-inf.org/
EGU- Earth and Space Science Informatics division (presidency)	EU	http://www.egu.eu/
Copernicus Global Land	EU	http://land.copernicus.eu/global
ISO/TC 211 Geographic Information / Geomatics	GLOBAL	http://www.isotc211.org/
CEN/TC 287 OGC - European Forum on geospatial standards	EU	http://centc287.eu/
Other Networks		
ECSA European Citizen Science Association	EU	http://ecsa.biodiv.naturkundemuseum-berlin.de/
Xylem Functional Traits network	GLOBAL	
International Union of Soil Sciences (IUSS)	GLOBAL	
EARMA European Association of Research Managers and Administrators	EU	http://www.earma.org/
Bio-based Industry Consortium	EU	http://biconsortium.eu/

Table 2. International networking from different COST actions.

Code	Name
COST Actions	
OC-2015-2-20105	Citizen Science to promote creativity, scientific literacy, and innovation throughout Europe
ES1308	Climate Change Manipulation Experiments in Terrestrial Ecosystems - Networking and Outreach (ClimMani)
FP1309	Innovative Optical Tools for proximal sensing of ecophysiological processes (OPTIMISE)
FP1304	Towards robust projections of European forests under climate change (PROFOUND)
FP1106	Studying Tree Responses to extreme Events: a SynthesiS (STReSS)
TD1107	Biochar as option for sustainable resource management
FP1204	Green Infrastructure approach: linking environmental with social aspects in studying and managing urban forests (GREENINURBS)





CREAF footprint in
policies and call for
proposals

Positioning

Lobby Networks and Alliances Before 2015

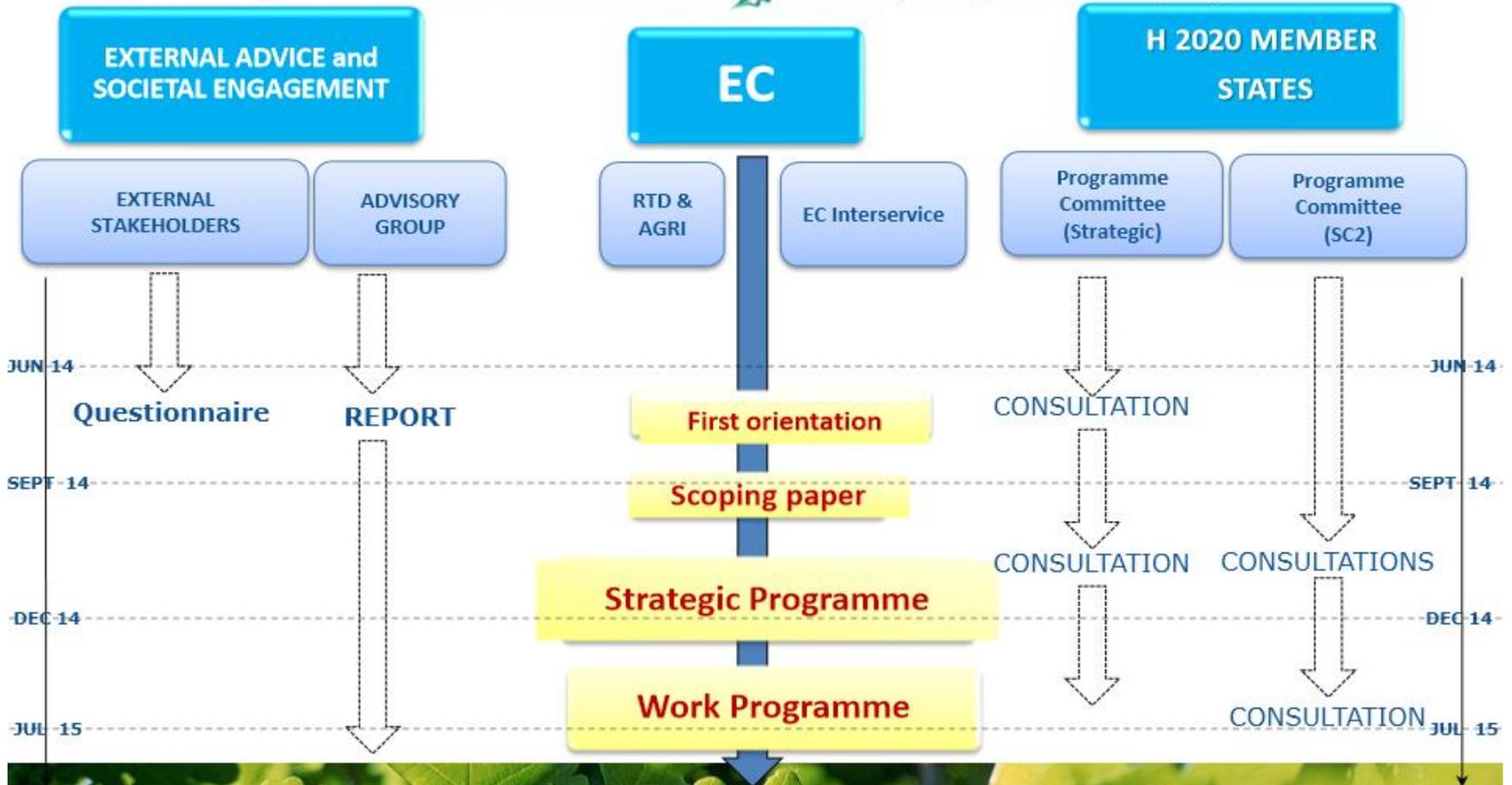


Lobby Networks and Alliances 2015-2016





Development of a H2020 Work Programme (SC 2, WP 2016/17)



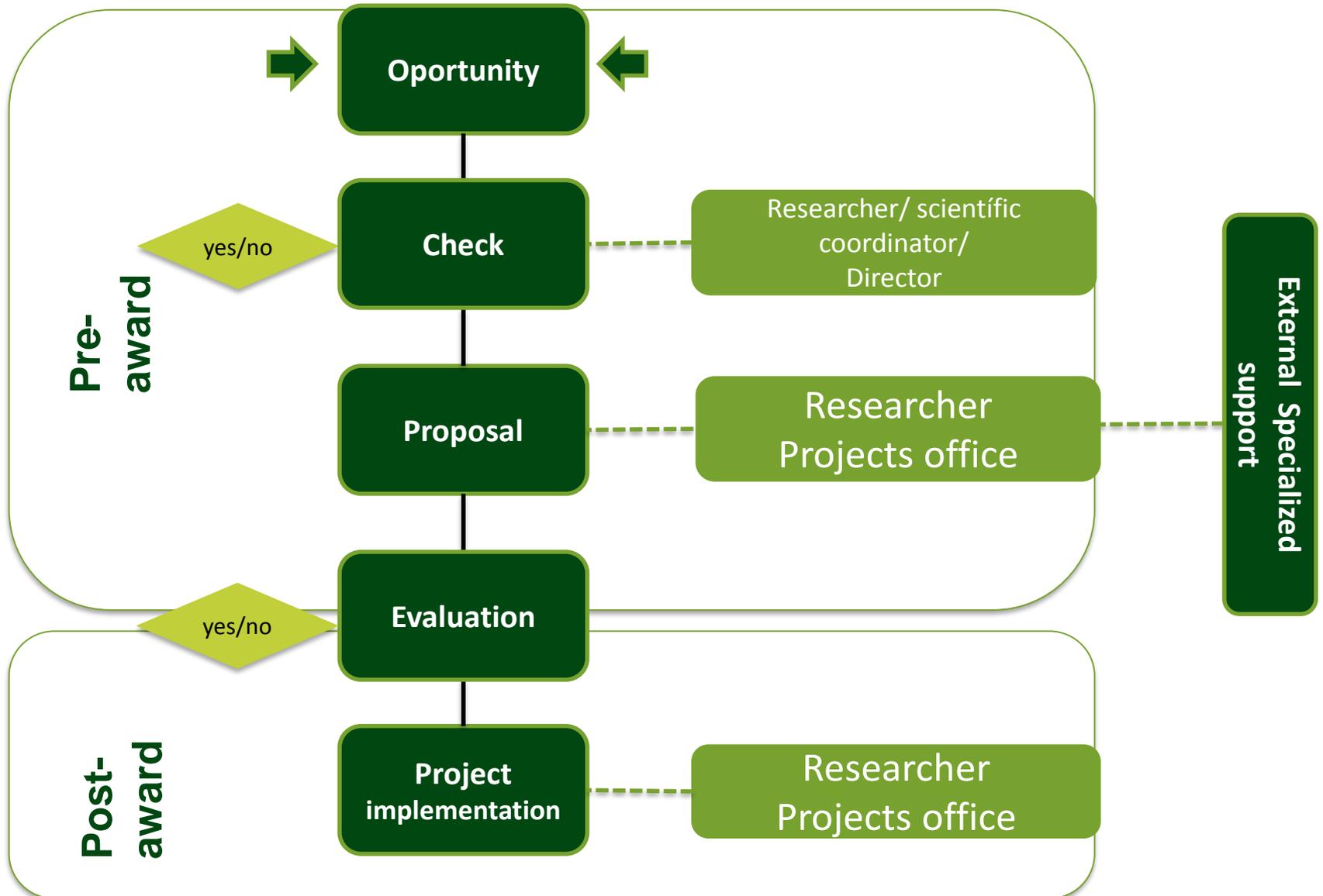
How to prepare a (competitive) proposal (lessons learnt)

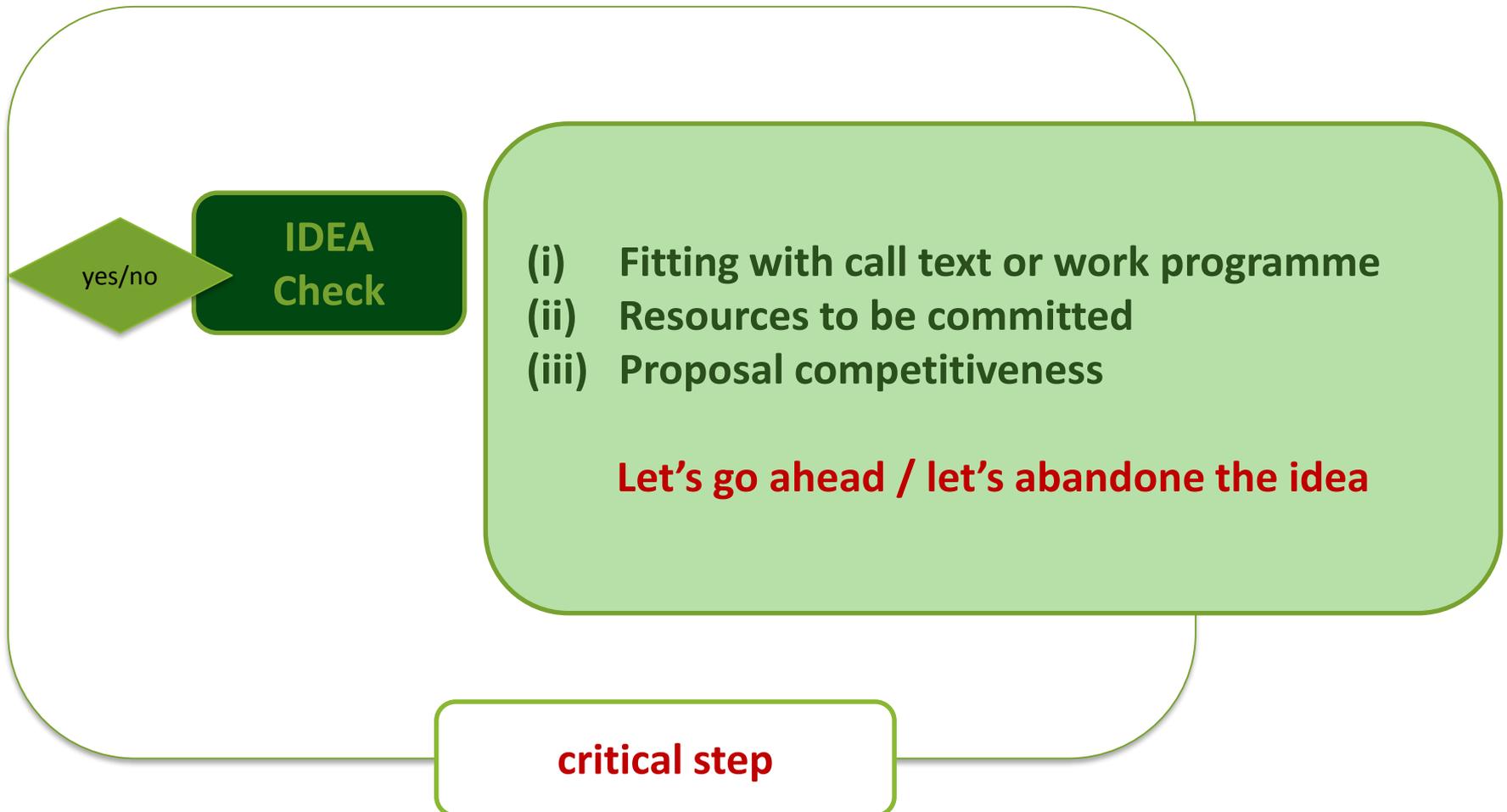
STEP 1. topic identification

- **WP following**
- **An invitation ...**

STEP 1. Having an idea

[https://ec.europa.eu/research/participants/
portal/desktop/en/home.html](https://ec.europa.eu/research/participants/portal/desktop/en/home.html)





STEP 2. Proposal writing

Table of contents

1. Excellence	2
1.1. Objectives	2
1.3. Concept and approach.....	2
1.4. Ambition	3
2. Impact.....	4
2.1. Expected impacts	4
2.2. Measures to maximize impact.....	7
3. Implementation.....	14
3.1. Work plan - Work packages, deliverables and milestones	14
3.2. Management structure and procedures	19
3.3. Consortium as a whole	21
3.4. Resources to be committed	22
REFERENCES AND ACRONIMS	24

Special attention to!



State of the art

Trusted partners

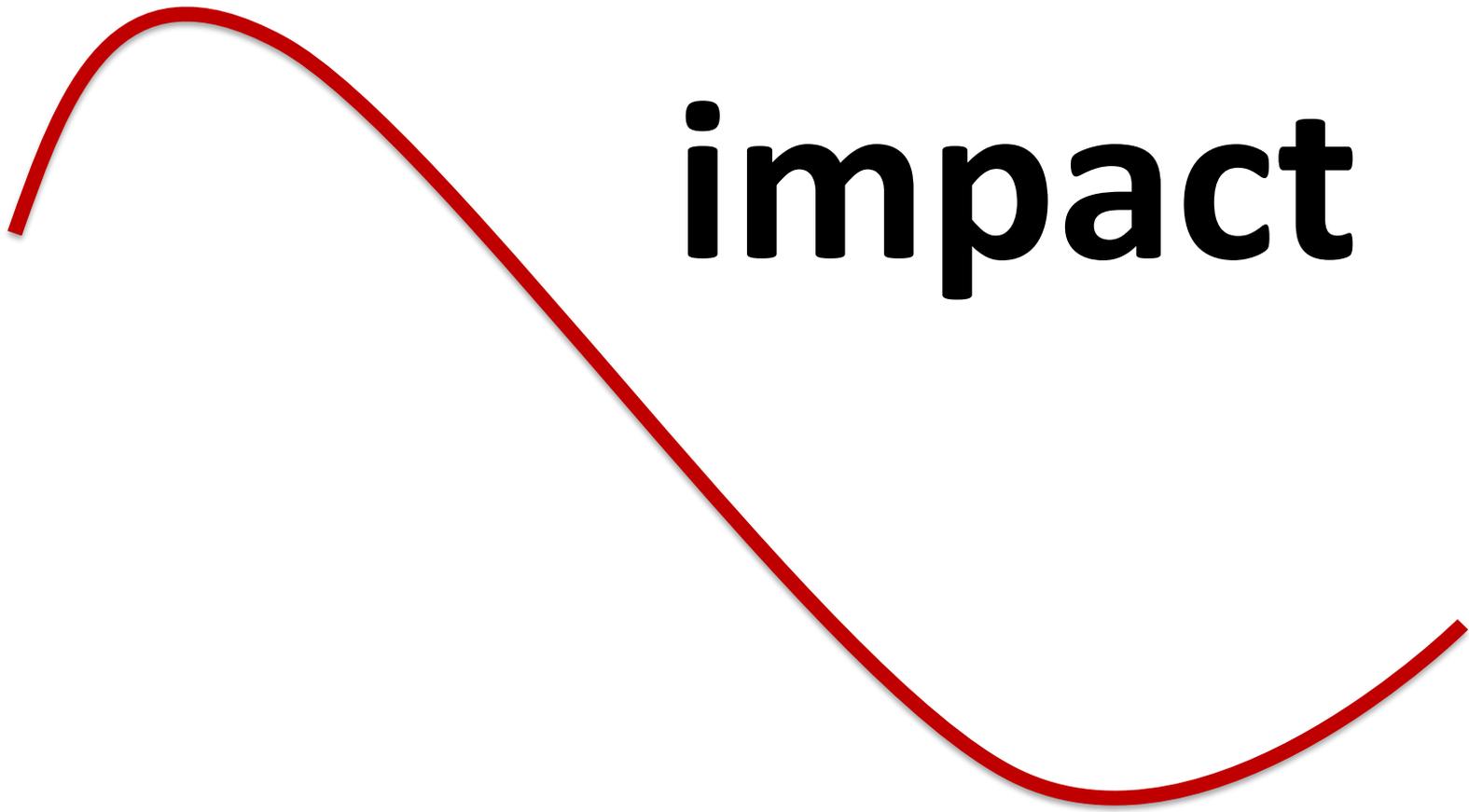
External specialized
support services

Communication Plan

Key factor

IMPACT

Ask for partner contribution



impact

From FP7 to H2020



1 RIA → 0€

3 RIA → 0€

1 IA → 0€



“El 90%
del **éxito**
se basa
simplemente
en
insistir”

Woody Allen
actor y director de cine



2. Impact

2.1 Expected impacts

 *Please be specific, and provide only information that applies to the proposal and its objectives. Wherever possible, use quantified indicators and targets.*

- Describe how your project will contribute to:
 - each of the expected impacts mentioned in the work programme, under the relevant topic;
 -  any substantial impacts not mentioned in the work programme, that would enhance innovation capacity; create new market opportunities, strengthen competitiveness and growth of companies, address issues related to climate change or the environment, or bring other important benefits for society
- Describe any barriers/obstacles, and any framework conditions (such as regulation, standards, public acceptance, workforce considerations, financing of follow-up steps, cooperation of other links in the value chain), that may determine whether and to what extent the expected impacts will be achieved. (This should not include any risk factors concerning implementation, as covered in section 3.2.)

2.2 Measures to maximise impact

a) Dissemination and exploitation of results

- Provide a draft **‘plan for the dissemination and exploitation of the project's results’**. Please note that such a draft plan is an admissibility condition, unless the work programme topic explicitly states that such a plan is not required.

Show how the proposed measures will help to achieve the expected impact of the project.

The plan, should be proportionate to the scale of the project, and should contain measures to be implemented both during and after the end of the project. For innovation actions, in particular, please describe a credible path to deliver these innovations to the market.

- Include a business plan where relevant.
- As relevant, include information on how the participants will manage the research data generated and/or collected during the project, in particular addressing the following issues:
 - What types of data will the project generate/collect?
 - What standards will be used?
 - How will this data be exploited and/or shared/made accessible for verification and re-use? If data cannot be made available, explain why.
 - How will this data be curated and preserved?
 - How will the costs for data curation and preservation be covered?
- Outline the strategy **for knowledge management and protection**. Include measures to provide **open access** (free on-line access, such as the ‘green’ or ‘gold’ model) to peer-reviewed scientific publications which might result from the project³.

b) Communication activities⁴

- Describe the proposed communication measures for promoting the project and its findings during the period of the grant⁵. Measures should be proportionate to the scale of the project, with clear objectives. They should be tailored to the needs of different target audiences, including groups beyond the project's own community. Where relevant, include measures for public/societal engagement on issues related to the project.

**Communication
plan**

**If you're a partner, please
CONSIDER**

The coordinator will ask you for **contribution** to

- Administrative information
- Technical aspects
- **Impact** → infocollector
- Implementation (WP, activities, effort)
- Budget
- Others

Be **pro-active**

Be a **hard** worker

Send your contributions always
ON TIME

Please do not
just suggest
BUT write!

Be comprehensive with the
coordinator and **help** her/him



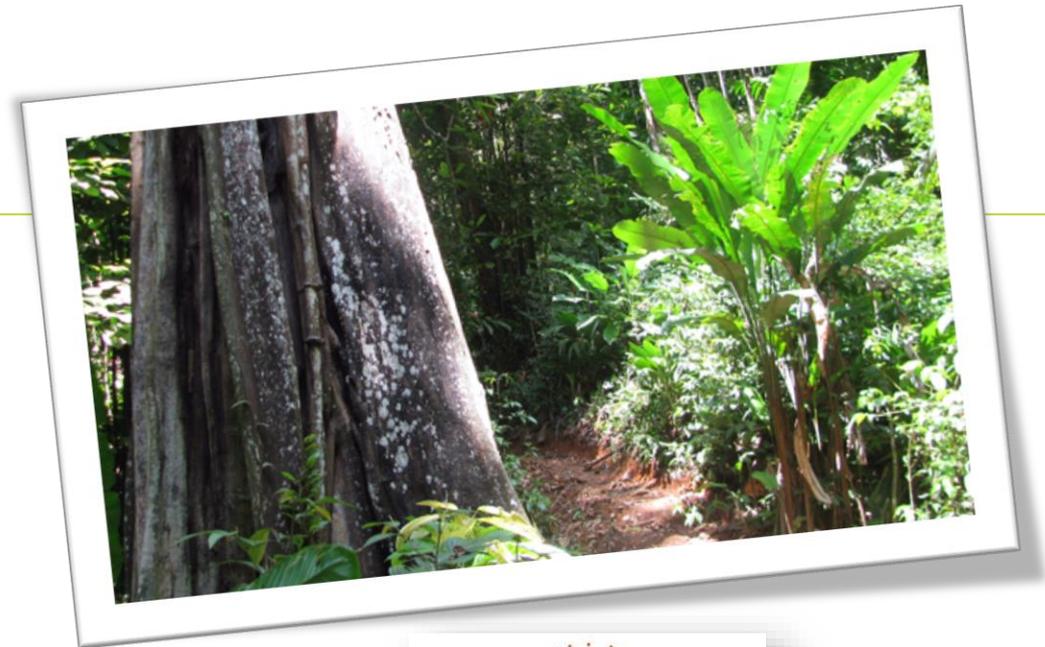
BEWATER project. The story

CREAF
outstanding EU
projects

Imbalance

SYNERGY GRANT

- What impact will the lack of phosphorus for life, the Earth system and society?



ConnectinGEO

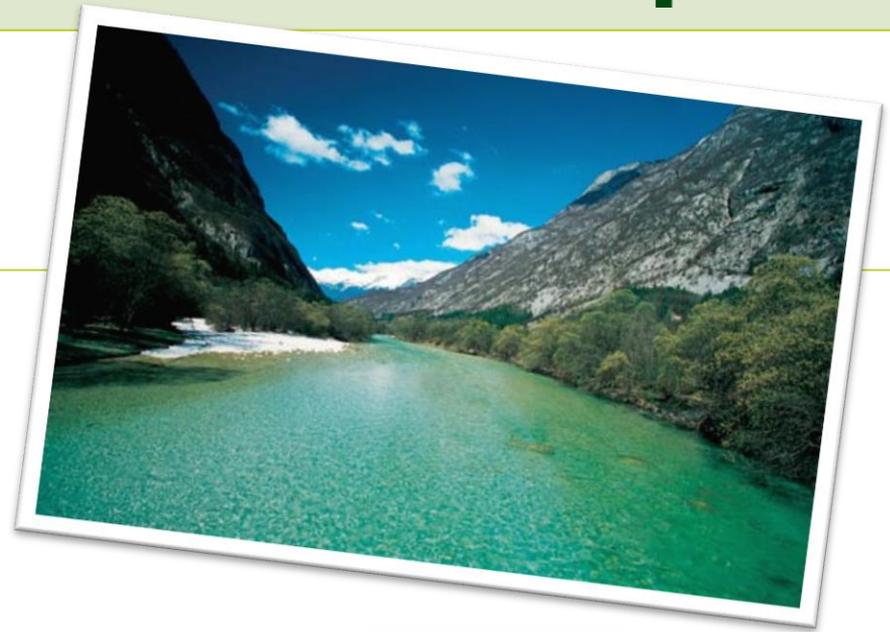


- The main objective is to link networks of Earth observation with science and technology communities, industry and groups of interest of GEOSS and Copernicus.
- ConnectinGEO formalizes a methodology to translate the knowledge that the user needs in indicators and in key variables (KV). This KV will be used to refine the requirements for observation.



WaterInnEU

- Coordination and Support Action (CSA).
- The goal of the project is to connect and harmonize technology and innovative European projects in the water sector to improve its applicability and create synergies between research and business in this area.



ECOPOTENTIAL

- This project aims to enhance the future benefits of ecosystems through **Earth observation**.



ERA-PLANET



Unique proposal to coordinate the call
ERA-NET H2020-SC5-15-2015

ERA-PLANET wants to create the
European network of Earth observation.

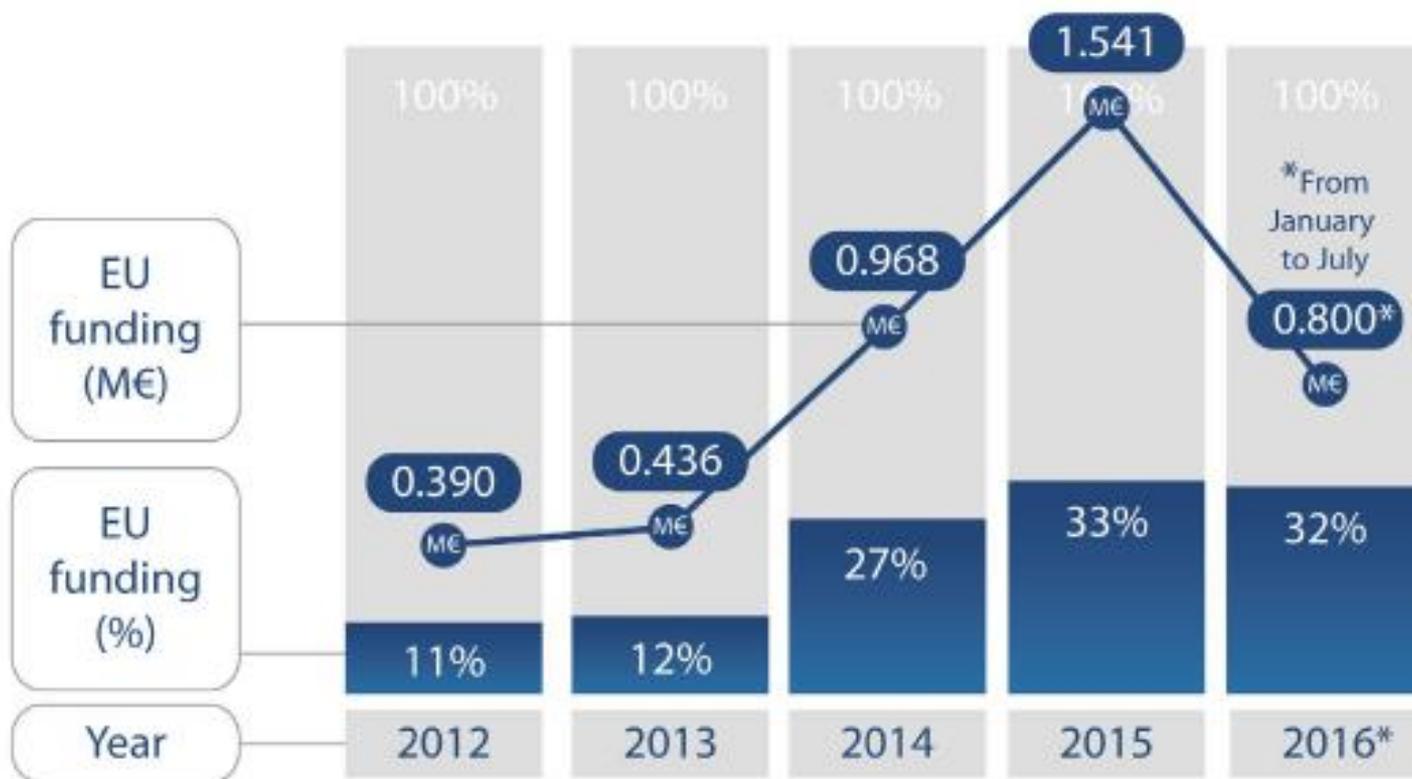
Table 3. CREAM proposals funded by the different programmes of the EU.

Date of signature	Project	Program	Funding Scheme	Funding (€)	Coordination
2013	RGY0084/2011 F. Bartomeus	Human Frontier Science Program		72,632	Individual
	LIFE 12/ENV/ MEDACC	LIFE+	Environment Policy and Governance	678,097	NO
	SOBIGLOBIC	FP7	Marie Curie IOF	342,013	Individual
	NEWFOREST	FP7	Marie Curie IRSES	134,400	NO
	MENFRI	FP7	Coordination and Support Action	250,815	YES
	SIYMWOOD	FP7	Collaborative Project	111,784	NO
	BEWATER	FP7	Coordination and Support Action	455,793	YES
2014	IMBALANCE	FP7	ERC Synergy Grant	3,698,200	YES
	RESCRI	FP7	Marie Curie IIF	223,002	Individual
	S-CLIMA	FP7	Marie Curie IEF	166,336	Individual
	CONNECTINGEO	HORIZON 2020	Coordination and Support Action	245,902	YES
	WATERINNEU	HORIZON 2020	Coordination and Support Action	274,625	YES
	INFORMED	HORIZON 2020	ERANET FORESTERRA	88,400	NO
	ECOFRUIT	HORIZON 2020	ERANET BIODIVERSA	85,000	NO
2015	PHLOEMAP	HORIZON 2020	Marie Curie IF-EF-ST	158,122	Individual
	ECOPOTENTIAL	HORIZON 2020	Research and Innovation Action	260,000	NO
	ERA-PLANET	HORIZON 2020	ERANET COFUND	473,125	NO
2016	NITRIPHYLL	HORIZON 2020	Marie Curie IF-EF-RI	158,122	Individual
	INDRO	HORIZON 2020	Marie Curie IF-EF-ST	170,122	Individual
	FIBER	HORIZON 2020	Marie Curie IF-EF-ST	158,122	Individual
	GROUND TRUTH	HORIZON 2020	Innovation Action	373,864	NO
	SPONFOREST	HORIZON 2020	ERANET BIODIVERSA	112,160	NO
	LIFE+ POLYFARMING	LIFE+	Environment and Resource Efficiency	387,077	YES
	LIFE+ THE GREEN LINK	LIFE+	Climate Change Adaptation	161,661	YES
	LIFE+ FUNGOVE	LIFE+	Environmental Governance and Information	76,179	NO
	INTERREG- REPLIM	INTERREG	POCTEFA	67,132	NO
				Total	9,382,684

EU Funded proposals



Figure 1. Total EU funding (M€) and % of EU funding related to the total incomes per year.





Thank you for your attention
Merci de votre attention

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