

# **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


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**Picture 1.** Horizon 2020 programme: a quick overview



**Picture 2.** CREA F experience in H2020



Promoting and sharing social innovative governance pathways to enhance rural development in Europe

List of participants

Participant ID	Participant organization name	Country
1	CREAF (Centre for Innovation in Agriculture and Rural Development)	Spain
2	ECR (European Centre for Rural Development)	United Kingdom
3	ECR (European Centre for Rural Development)	France
4	ECR (European Centre for Rural Development)	France
5	ECR (European Centre for Rural Development)	France
6	ECR (European Centre for Rural Development)	France
7	ECR (European Centre for Rural Development)	France
8	ECR (European Centre for Rural Development)	France
9	ECR (European Centre for Rural Development)	France
10	ECR (European Centre for Rural Development)	France
11	ECR (European Centre for Rural Development)	France
12	ECR (European Centre for Rural Development)	France
13	ECR (European Centre for Rural Development)	France
14	ECR (European Centre for Rural Development)	France
15	ECR (European Centre for Rural Development)	France
16	ECR (European Centre for Rural Development)	France
17	ECR (European Centre for Rural Development)	France
18	ECR (European Centre for Rural Development)	France
19	ECR (European Centre for Rural Development)	France
20	ECR (European Centre for Rural Development)	France

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

# **Horizon 2020 programme a quick overview**

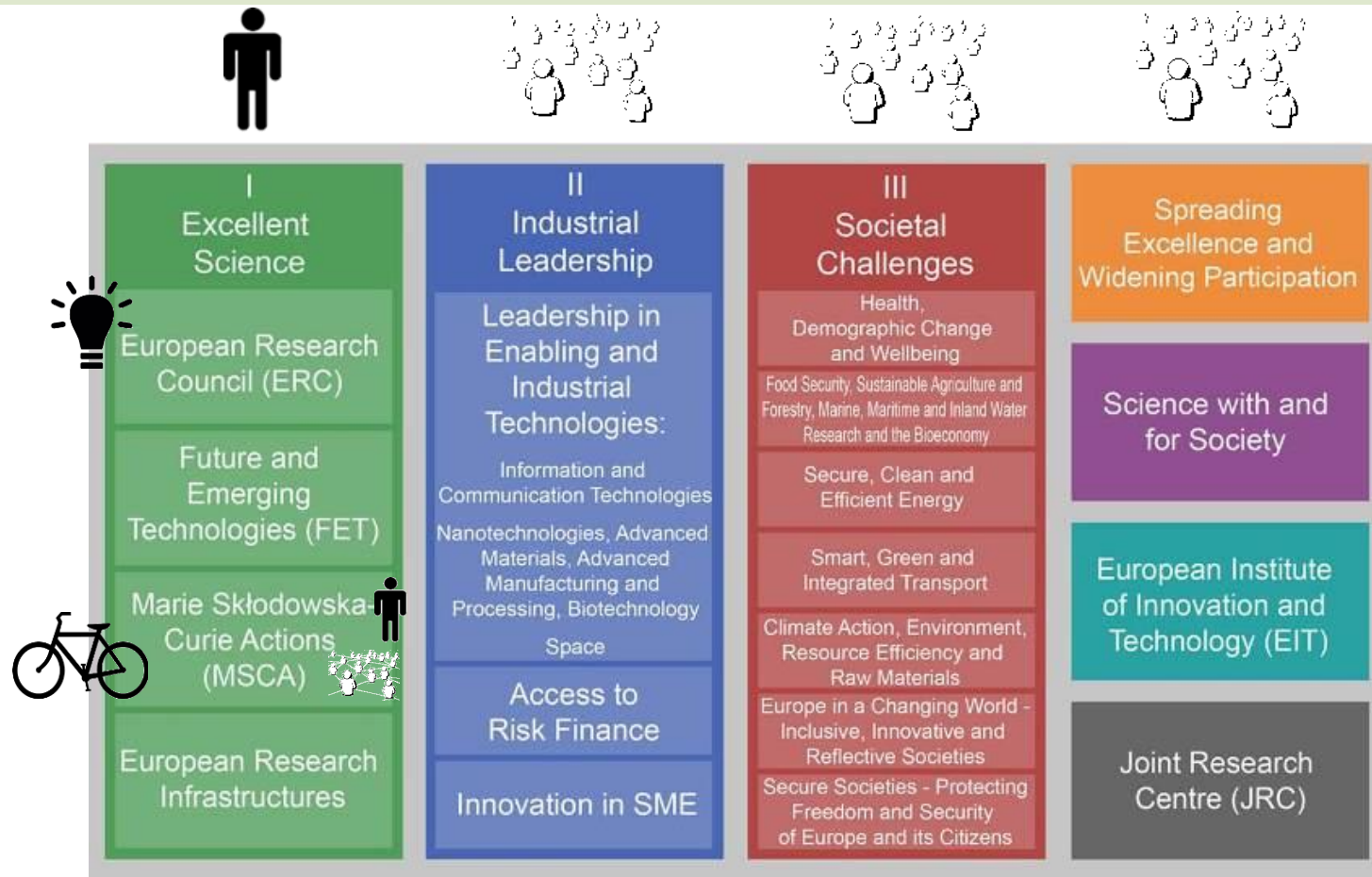
Horizon 2020 is the EU Research and Innovation funding programme (2014 to 2020)

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.

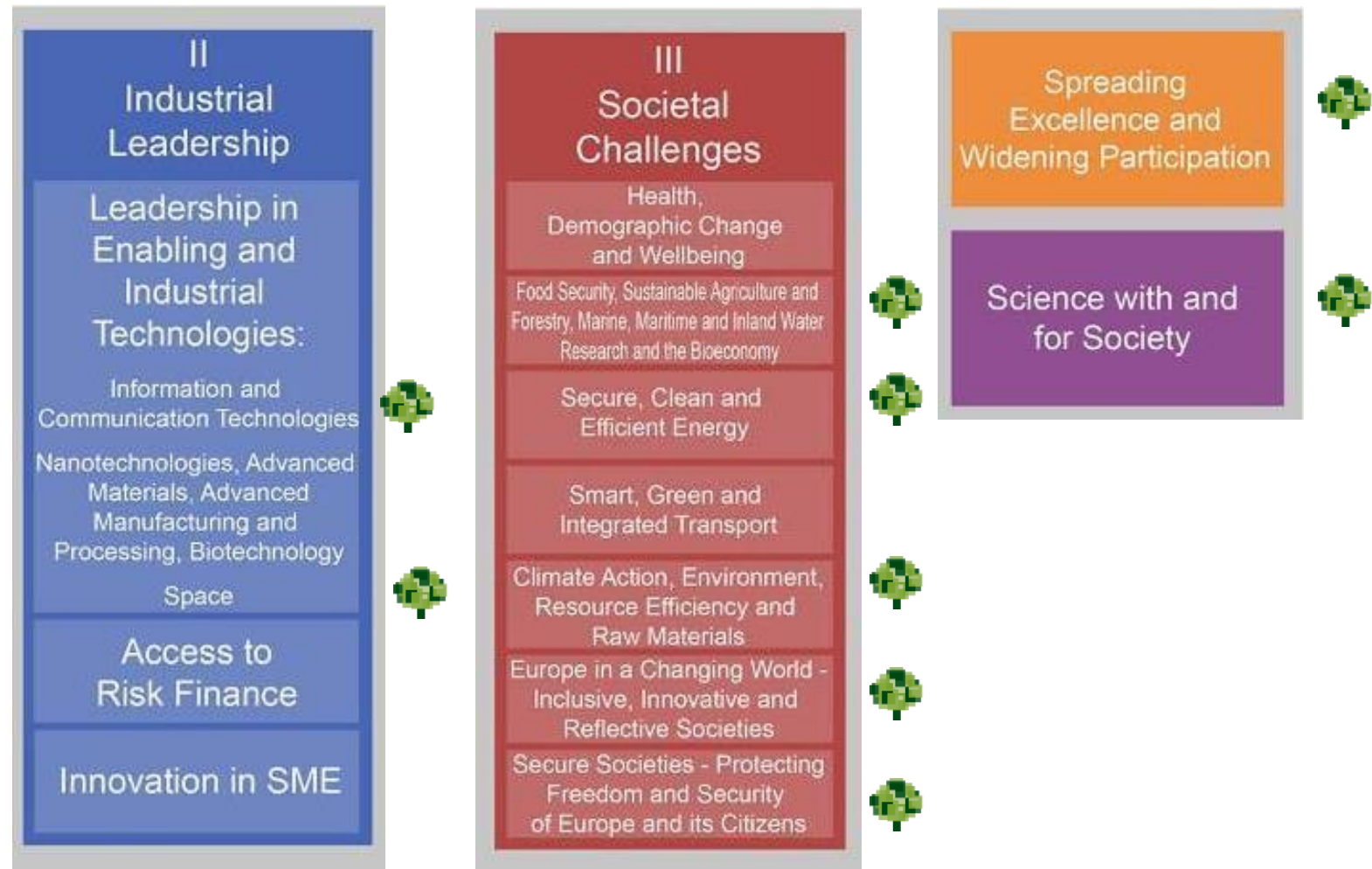
## Three priorities



# 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)

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**Coordination and supporting  
actions (CSA)**

**Research and Innovation  
actions (RIA)**

**Innovation actions (IA)**

Collaboration

Impact

**Innovation**

Open access

Widenning participation

Socio-economic sciences and humanities (SSH)

Networking

Stakeholder engagement

RRI

**International cooperation**



# RESEARCH & INNOVATION

## Participant Portal

European Commission > Research & Innovation > Participant Portal > Experts

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT Search PP LOGIN REGISTER

### 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](#).

<https://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>



# **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**

## *Governing Council*



# 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

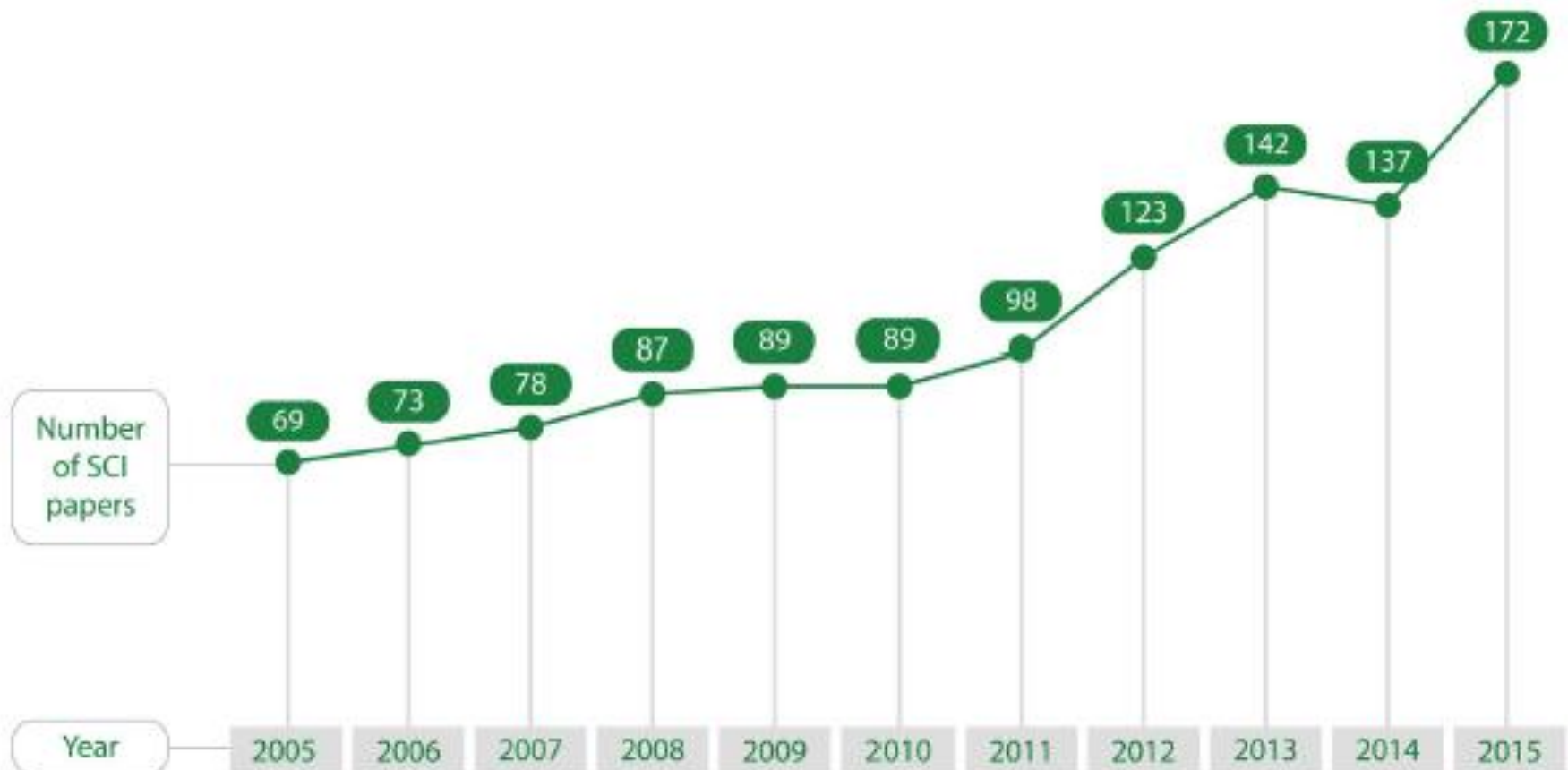
**Non-academic  
staff**

$$20 / 163 = 12\%$$

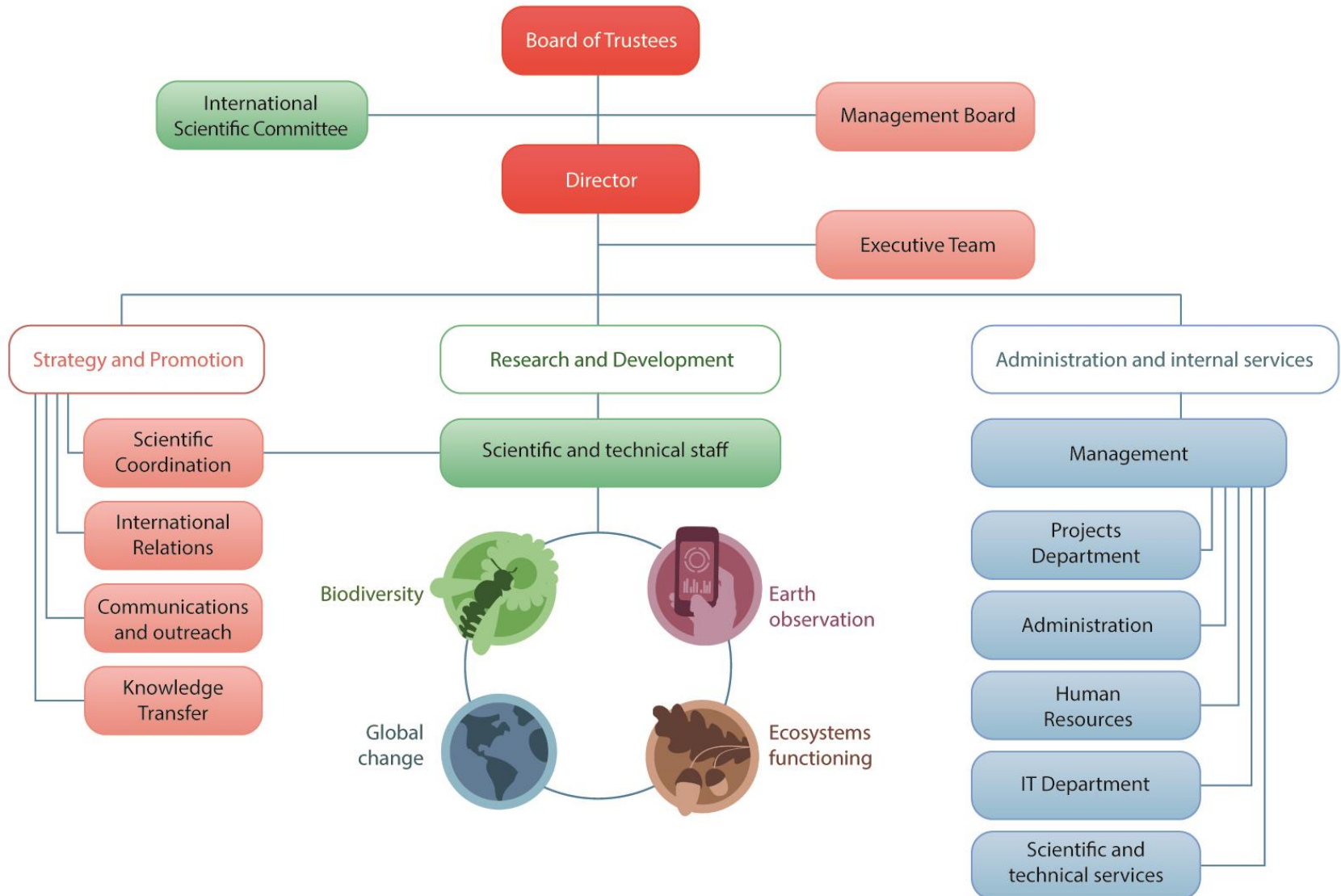


# *Scientific Production*

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



# Organizational Chart



# Highlights 2014



June 25<sup>th</sup>, 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 3<sup>rd</sup>, 2014

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

“Josep Peñuelas, research professor at CREAF 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 CREAF 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 7<sup>th</sup>, 2014

## Nutrient-rich forests absorb more carbon

“ According CREAL 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) CREAL



# Highlights 2014



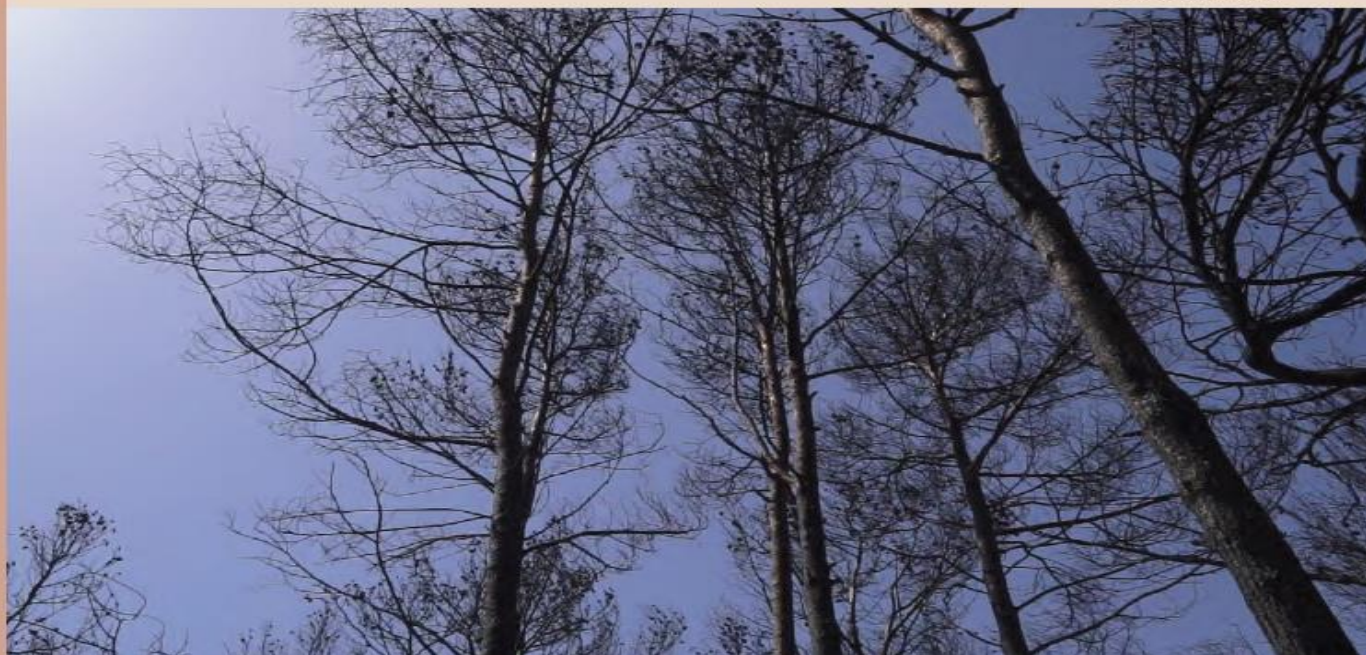
November 27<sup>th</sup>, 2014

## Coexist or perish, wildfire analysis says

“ According to Enric Batllori, 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”

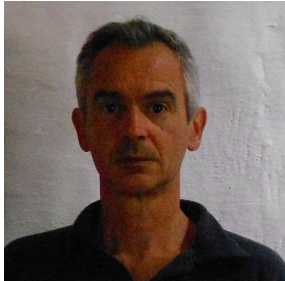
CREAF has participated in a study published in the journal *Nature* that examines findings from three continents on government-sponsored fire fighting and land-use policies. The authors, including scientists from the natural and social sciences, conclude that these practices actually encourage development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

Photo (CC BY NC SA) CREA F





# Highlights 2015



May 14<sup>th</sup>, 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



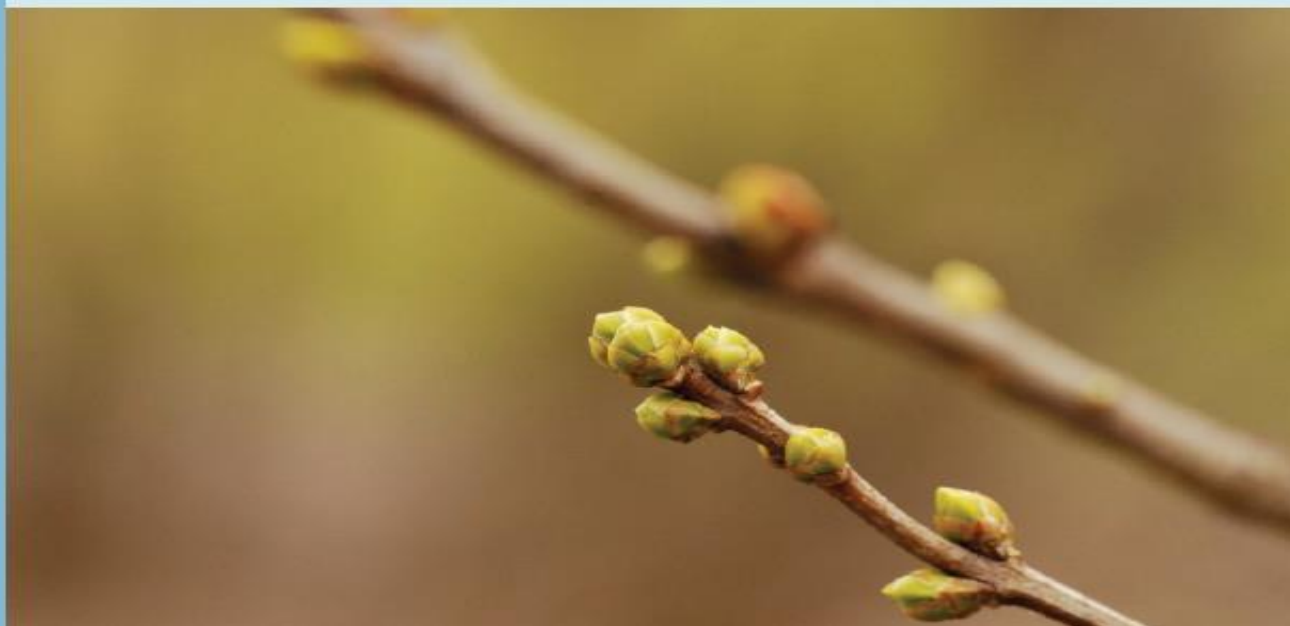
September 23<sup>rd</sup>, 2015

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

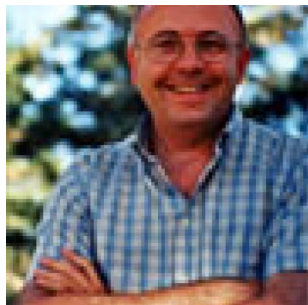
“Leaf unfolding occurred on average about 4 days earlier every one degree increase in spring temperature between 1980 and 1994, whereas this value dropped to -2.3 days C-1 between 1999 and 2013, a decrease of over 40%.”

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 26<sup>th</sup>, 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 CREAL as an author.

Algae bloom in a lake. Autor: Fernando Cobo





# Highlights 2015



November 25<sup>th</sup>, 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](#)

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# Knowledge Transfer



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

Acronym	Title	Funding
<b>Topic: Citizen Science</b>		
● 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
<b>Topic: Ecosystem services</b>		
■ 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
<b>Topic: GIS and web tools and services</b>		
● 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
<b>Topic: Biodiversity</b>		
● 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
<b>Topic: Forest</b>		
■ 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
<b>Topic: Water</b>		
■ 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
<b>Topic: Soil</b>		
■ 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 CREA F studies' summaries, with search tools specifically designed for managers



**Prismatic**  
@Prismatic\_nat

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# Ex1: Mosquito Alert

## Citizen science platform to fight against mosquito-borne diseases



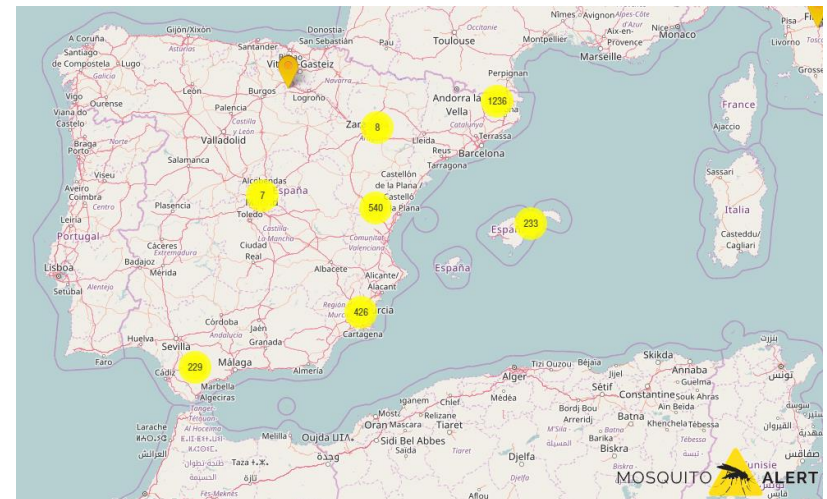
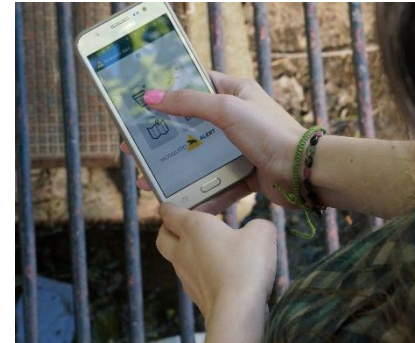


# Ex1: Mosquito Alert

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.

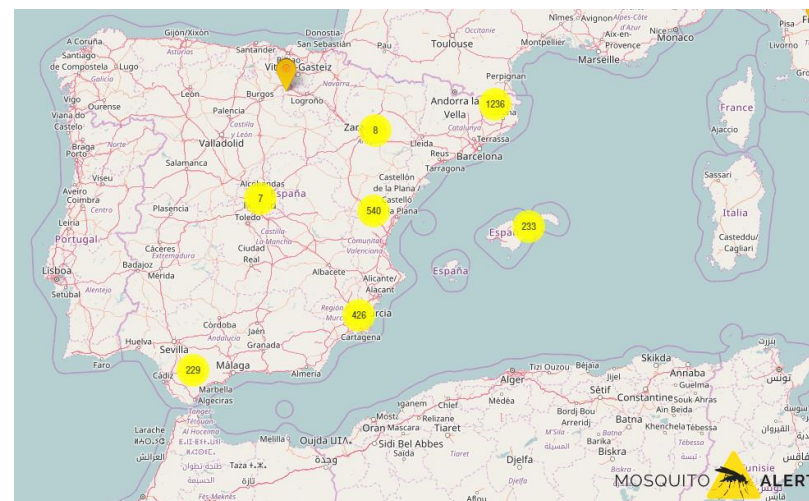
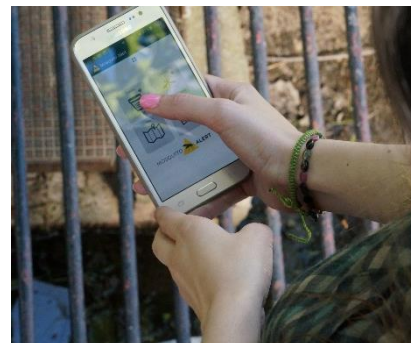


# Ex1: Mosquito Alert

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

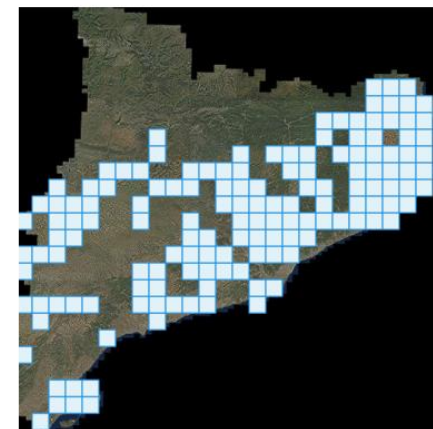


- A database on alien species in Catalonia, feeded by citizens, scientists and managers.
- It includes species selection tools, specific information and dynamic maps.

### Procambarus clarkii



**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, Aquariofilia, Pesca esportiva, Aquicultura  
**Present al 'Catálogo':** S





# Ex2: EXOCAT



## Exocat

SISTEMA D'INFORMACIÓ DE LES ESPÈCIES  
EXÒTIQUES DE CATALUNYA

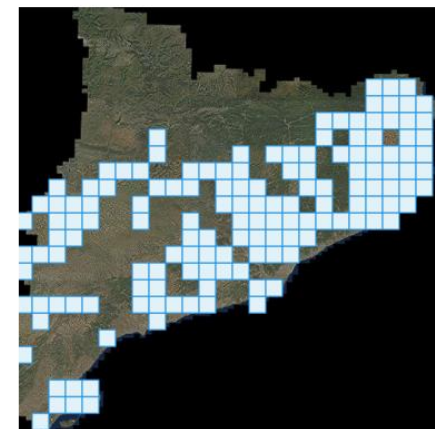


- **Scientists** can use these data to study the distribution and invasive status of alien species, and **managers** to implement specific control measures.
- EXOCAT is bound to be the **core set of the future Alert Network of IAS in Catalonia**

### Procambarus clarkii



**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, Aquariofilia, Pesca esportiva, Aquicultura  
**Present al 'Catálogo':** S



# Ex3: FENODATO



## #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



## #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

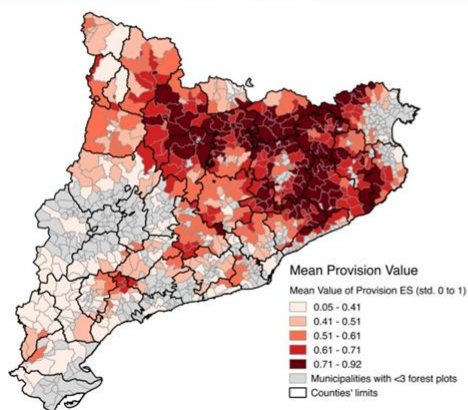


Oficina Catalana  
del Canvi Climàtic

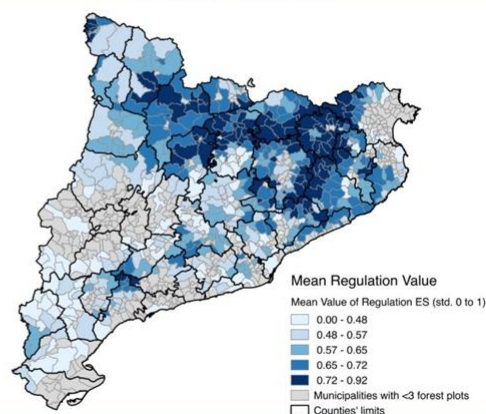


In collaboration with the Catalan Office of Climate Change Mapping and assessing forest Ecosystem Services in municipalities

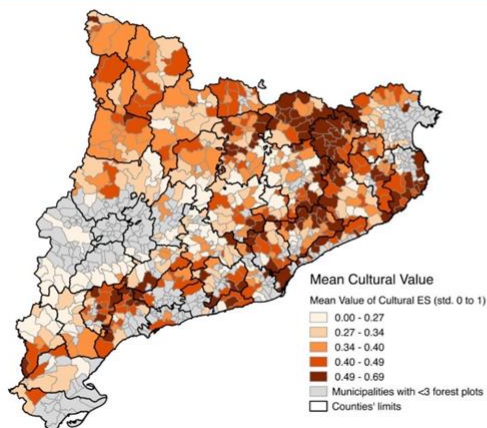
## PROVISION



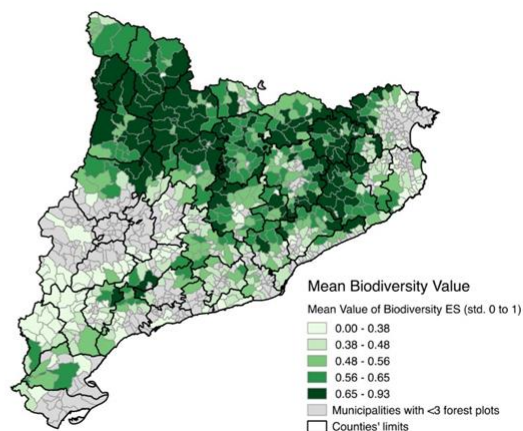
## REGULATION



## CULTURAL



## BIODIVERSITY





# Ex5:MiraMon





Cat Cast Eng

Presentation

Research

Development

Products

Courses

Support



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



10000 m

Coord: X,Y: 487236.67, 458547.45

**Bases de referència**

☐ Nom del municipi<sup>2</sup>  
☐ Nom de les comarques<sup>3</sup>  
☒ Límits administratius<sup>1</sup>  
☐ Carreteres<sup>3</sup>  
☐ Autopistes i vies prefer.  
☐ Xarxa ferroviària<sup>3</sup>  
☐ Xarxa hidrogràfica<sup>3</sup>  
☐ Contorn de nivell<sup>4</sup>  
(equidistància 100 m)  
☒ Relleu<sup>3</sup>  
☐ Mapa de cobertes (11 edició)  
☐ Llegendes completes  
☐ Mapa topogràfic 1:50000<sup>3</sup>

**Imatges de satèl·lit**

Tot Catalunya  
☒ Landsat 1-2-3-4-5-7  
(0-2011)  
☐ Color natural ☐ Fals color

Girona-Barcelona  
☒ Landsat 8 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 1-2-3-4-5 Sensor MSS

òrbita 213 Centre  
☒ Landsat 1-2-3-4-5 Sensor MSS

Anar a la: Comarca de: Selecció de:

**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

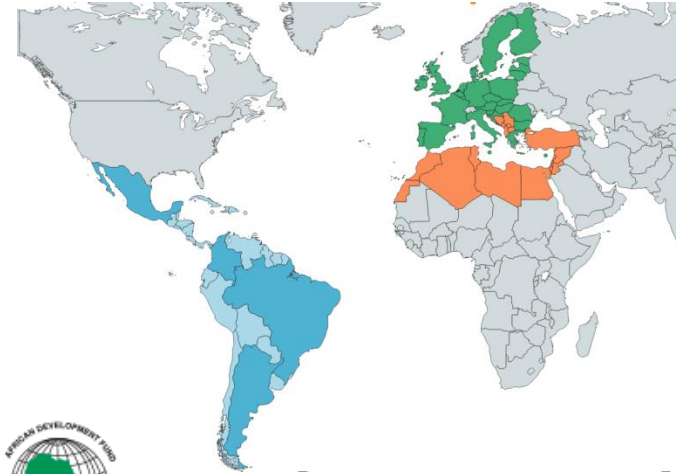


# Public procurement I (tenders)



## 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 CREAM's budget and % of Trustees funding related to the total incomes per year.



# Budget: Incomes

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



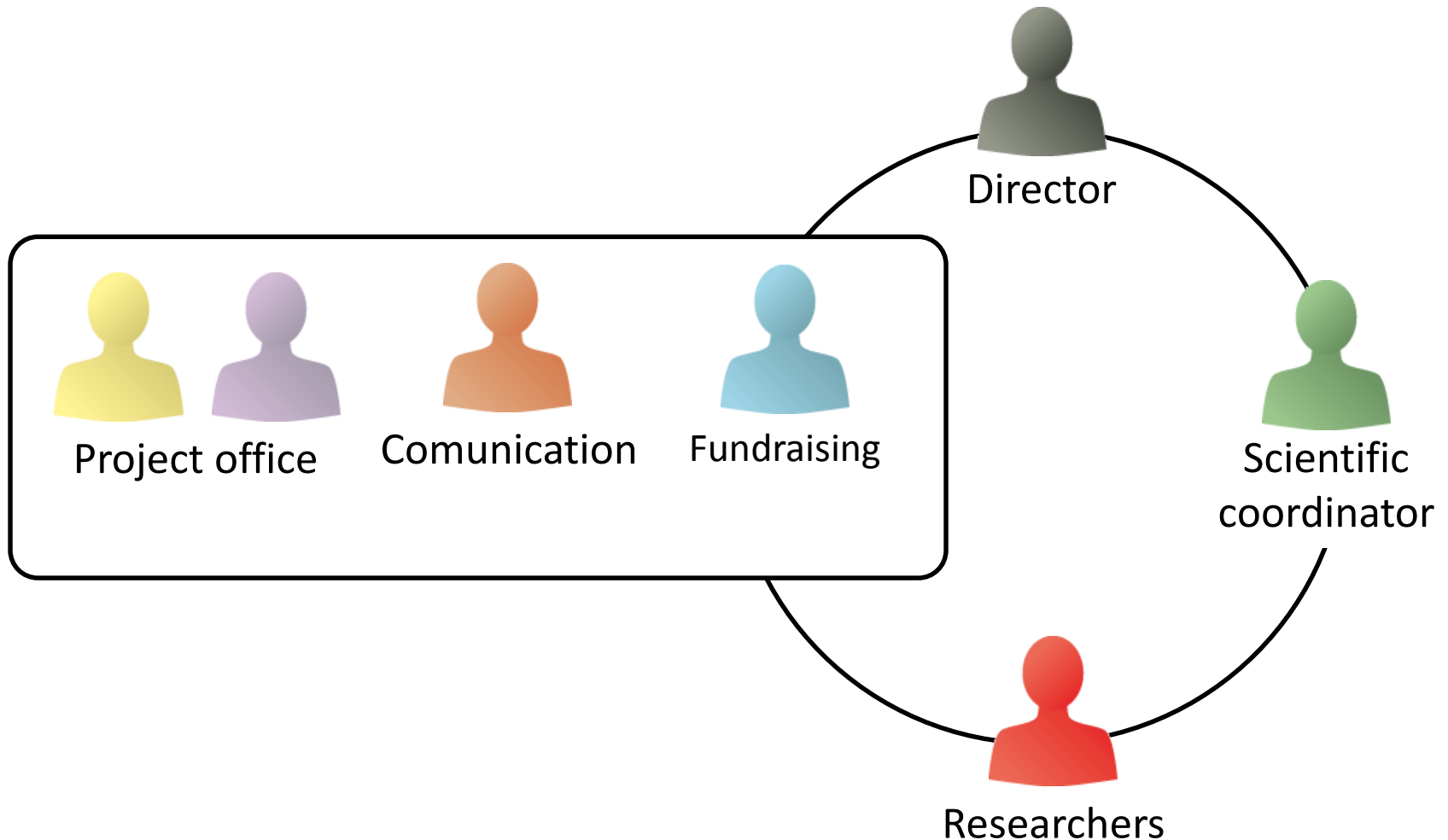
# European Fundraising department

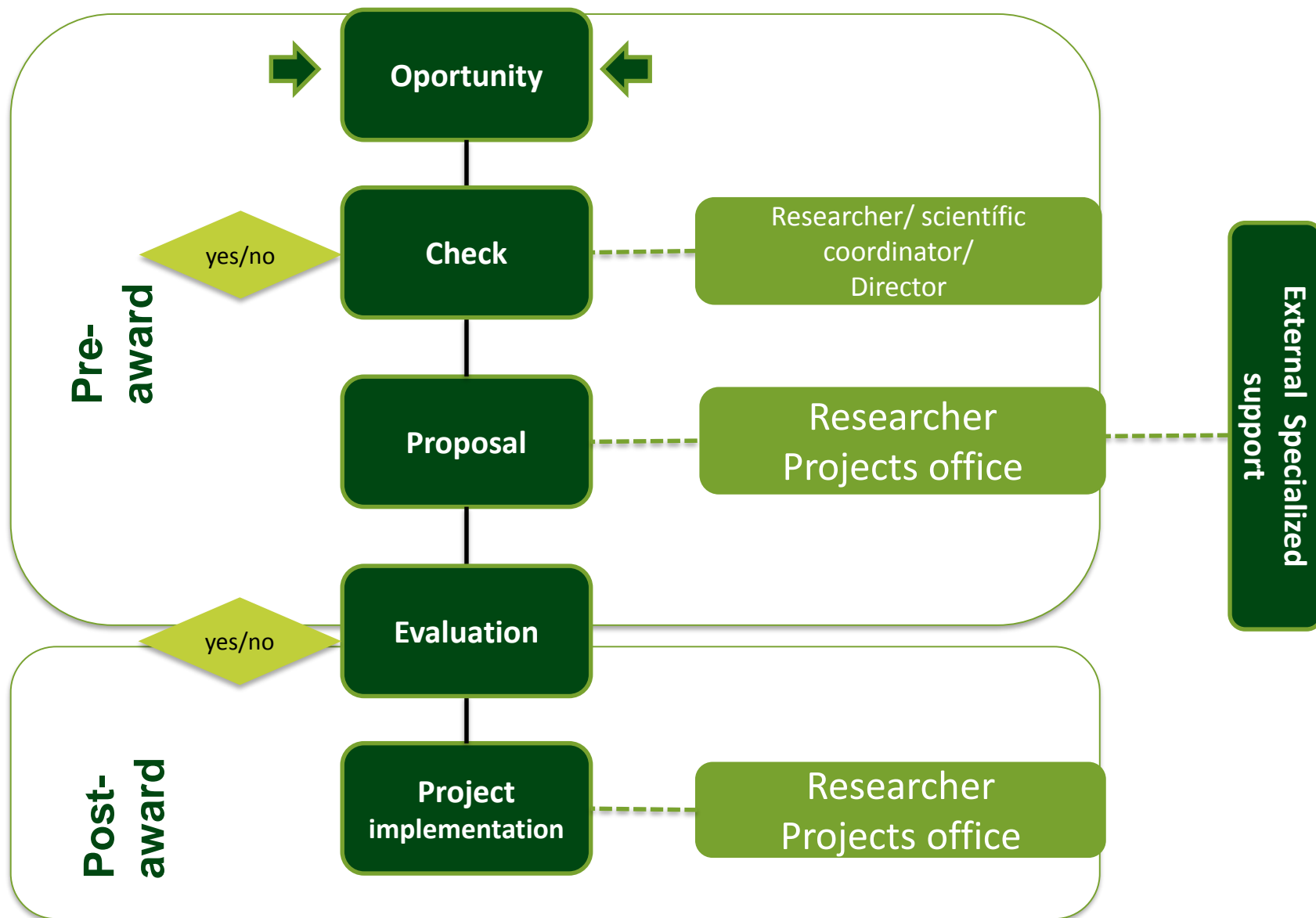
## **Objective/ Structure/ Activities**



**To help increasing CREAM  
external funding**

**Objective**









**A**dvising researchers on funding opps. & proposal writing

**P**romoting CREAM in the science & tech. EU sphere

**P**ositioning 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**

Call-specific  
Info sessions  
**new**



Coffee forum  
CAFÈU **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







Catalizing the leap from local to global

# **P**romoting

# Networking



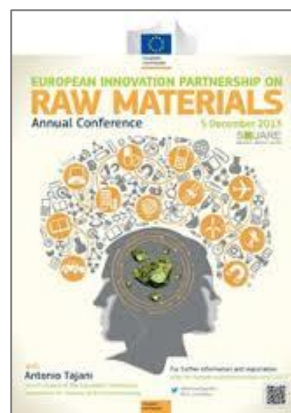
Table 1. International networking for the different research areas and other networks.

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

Name	Scope	Website
<b>Research Area 4: Earth Observation and GIS</b>		
GEO - Group on Earth Observations	GLOBAL	<a href="https://www.earthobservations.org/index.php">https://www.earthobservations.org/index.php</a>
Open Geospatial Consortium (OGC)	GLOBAL	<a href="http://www.opengeospatial.org/">http://www.opengeospatial.org/</a>
Belmont Forum 'Knowledge hub'	EEUU	<a href="http://www.bfe-inf.org/">http://www.bfe-inf.org/</a>
EGU- Earth and Space Science Informatics division (presidency)	EU	<a href="http://www.egu.eu/">http://www.egu.eu/</a>
Copernicus Global Land	EU	<a href="http://land.copernicus.eu/global">http://land.copernicus.eu/global</a>
ISO/TC 211 Geographic Information / Geomatics	GLOBAL	<a href="http://www.iso211.org/">http://www.iso211.org/</a>
CEN/TC 287 OGC - European Forum on geospatial standards	EU	<a href="http://centc287.eu/">http://centc287.eu/</a>
<b>Other Networks</b>		
ECSA European Citizen Science Association	EU	<a href="http://ecsa.biodiv.naturkundemuseum-berlin.de/">http://ecsa.biodiv.naturkundemuseum-berlin.de/</a>
Xylem Functional Traits network	GLOBAL	
International Union of Soil Sciences (IUSS)	GLOBAL	
EARMA European Association of Research Managers and Administrators	EU	<a href="http://www.earma.org/">http://www.earma.org/</a>
Bio-based Industry Consortium	EU	<a href="http://biconsortium.eu/">http://biconsortium.eu/</a>

Table 2. International networking from different COST actions.

Code	Name
<b>COST Actions</b>	
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 (STReESS)
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

## **P**ositioning



## Lobby Networks and Alliances Before 2015



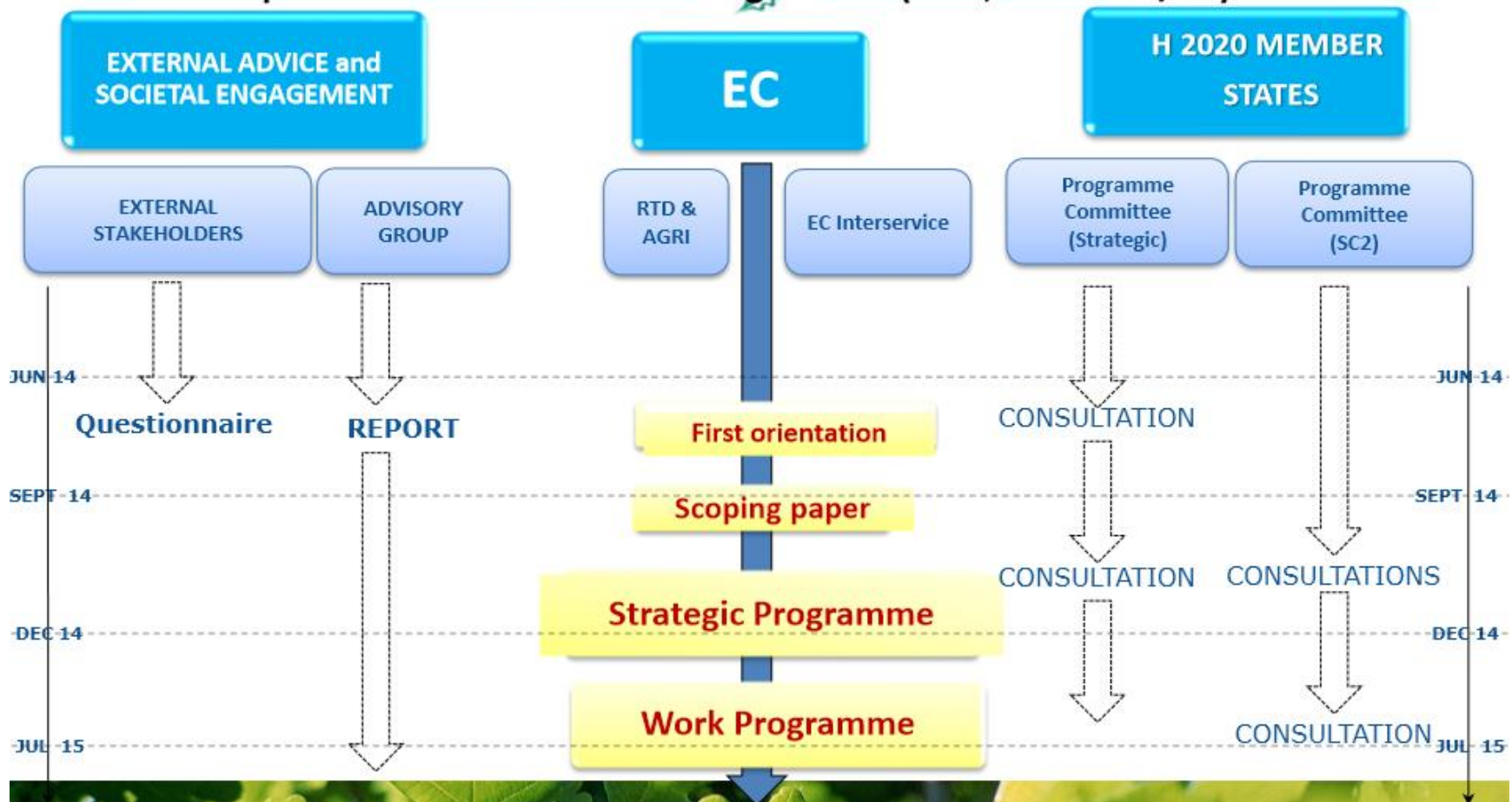
## Lobby Networks and Alliances 2015-2016



Forest-based Sector  
Technology Platform



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



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

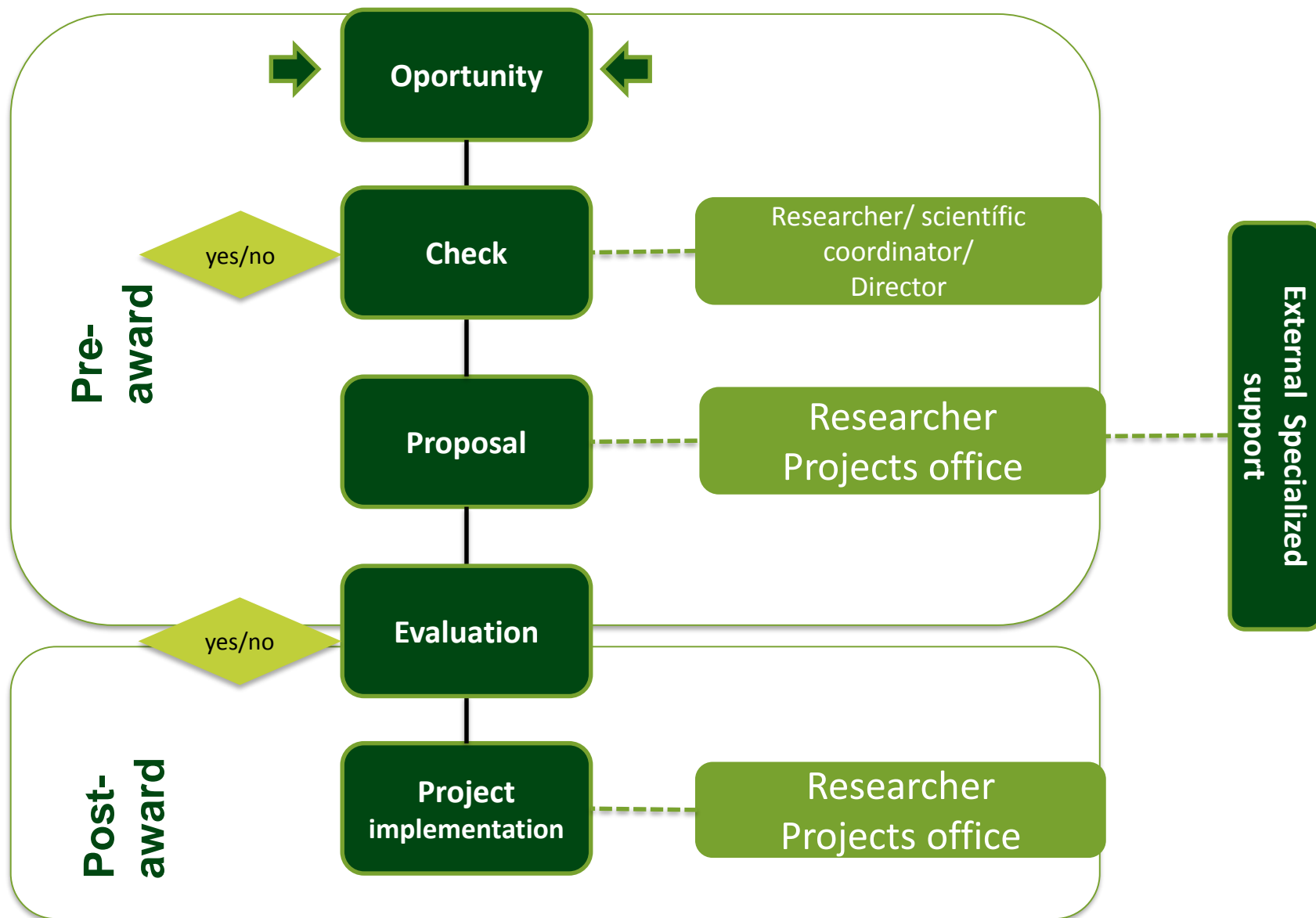


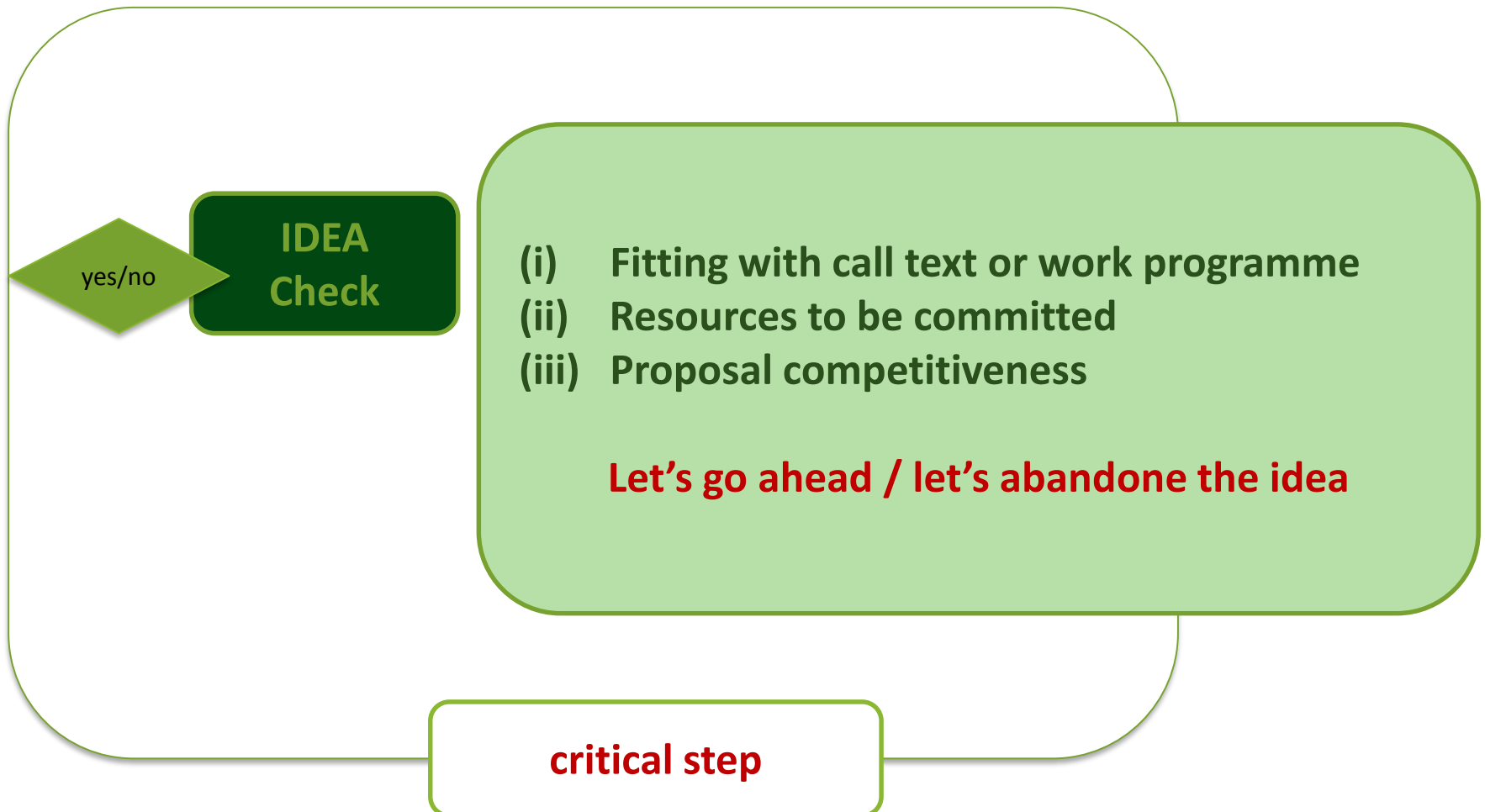
## **STEP 1. topic identification**

- **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 preparation

## Time schedule

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	
1		Topic	RUR-04-2016	Deadline: 17/02/2016		December																																
		TASKS		leader/ support from creaf		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	
2	Preparatory activities	Contact partners		core group																																		
3		Partners Administrative information		Cristina																																		
4		Budget		Cristina																																		
5		Concept idea (CN)		PI																																		
6		CI circulation among core group		partner 1, partner 2																																		
7		Contributions integration		PI																																		
8		Case studies info collection		Olga																																		
9		Objectives (meeting at creaf)		core group																																		
10		Infographics		Communication																																		
11		Info collector preparation (to collect info from partners)		Olga/Elba																																		
12		Info collector feedback from partners		Olga/Elba																																		
13		First draft writing		Core group																																		
14		First draft corculation among partners		PI/ Olga																																		
15		Re-writing		PI /core group																																		
16		External review and comments		CARSA																																		
17		Maquetació		Communication																																		
18		Proofreading		David																																		
19		PROPOSAL SUBMISSION		Cristina/PI																																		
20																																						
21	Section	Proposal writing			Preparf raction																																	
22		Administrative information		Cristina																																		



## STEP 2. Proposal writing

### Table of contents

1. Excellence .....	2
1.1. Objectives .....	2
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2.2. Measures to maximize impact.....	7
3. Implementation.....	14
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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



2012

2013

2014

2015

2016

2017

2018

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 project<sup>3</sup>.

## **b) Communication activities<sup>4</sup>**

- Describe the proposed communication measures for promoting the project and its findings during the period of the grant<sup>5</sup>. 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**

# P Imbalance

## SYNERGY GRANT

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





## ConnectinGEO

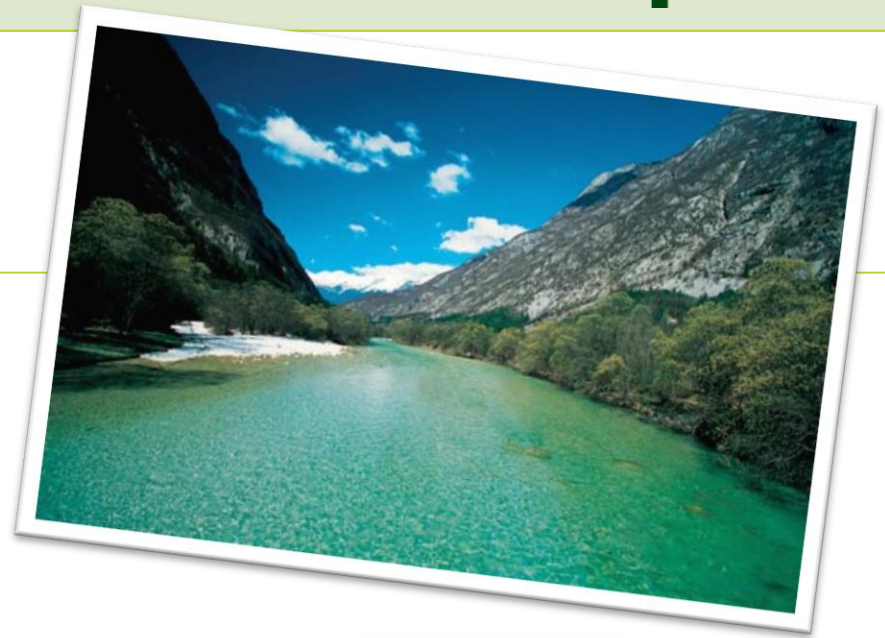


- The main objective is to link networks of Earth observation with science and technology communities, industry and groups of interest of GEOSS and Copernicus.
- ConnectinGEO formalizes a methodology to translate the knowledge that the user needs in indicators and in key variables (KV). This KV will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