



# LIFE INVASAQUA

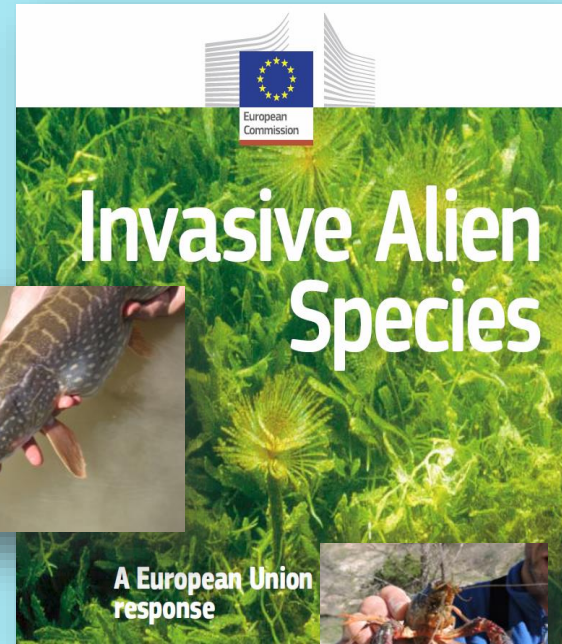
LIFE17 GIE/ES/000515

## *Aquatic Invasive Alien Species of Freshwater and Estuarine Systems: Awareness and Prevention in the Iberian Peninsula*

### *Proposal team*

**FJ Oliva-Paterna (Coord.)** ([fjoliva@um.es](mailto:fjoliva@um.es))

R Olivo del Amo, F Ribeiro, R Miranda, P Anastásio, M Torralva, F Casals, F Cobo, A Perdices, Q Pou-Rovira, MJ Correia, J Ferreira, A Alcántara, L Lázaro, C Numa, J Ramírez, A Larena.





# LIFE INVASAQUA

LIFE17 GIE/ES/000515

LIFE Environmental Governance & Information (GIE)

## *What is a LIFE GIE?*

Information, awareness and dissemination projects aim at supporting communication, dissemination and awareness raising in the fields of the sub-programmes for Environment.

### Theme

- IAS, Invasive Alien Species (aquatic)

### Period

- November 2018 – October 2023 (5 years)

### Total project budget

- 3,075,139 € (59.99% EU)



### Member states



Portugal (all regions)

Spain (all regions)

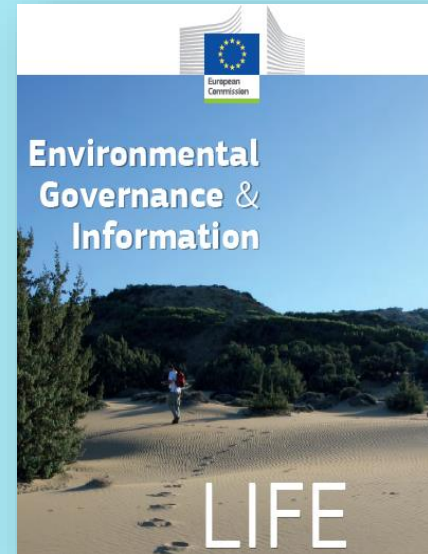


# LIFE INVASAQUA

LIFE17 GIE/ES/000515

## LIFE Environmental Governance & Information (GIE)

- *Aims to increase Iberian public and stakeholders awareness for IAS problems in aquatic ecosystems and to develop key tools that will improve an efficient Early Warning and Rapid Response (EWRR) in freshwater and estuarine habitats.*



### Theme

- IAS, Invasive Alien Species (aquatic)

### Period

- November 2018 – October 2023 (5 years)

### Total project budget

- 3,075,139 € (59.99% EU)

### Member states



Portugal (all regions)

Spain (all regions)



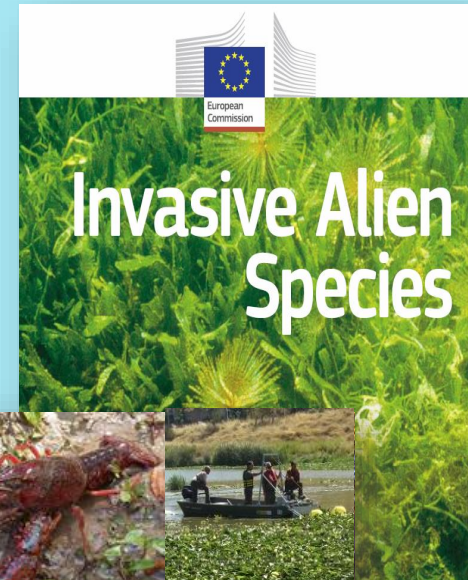
# LIFE INVASAQUA

LIFE17 GIE/ES/000515

LIFE Environmental Governance & Information (GIE)

## Specific objectives

- (1) To support the EU Reg. implementation on IAS by engaging and creating synergies between knowledge building and management stakeholders...***
- (2) To improve the Iberian capacity for Early Warning and Rapid Reponse (EWRR) by increasing awareness and training key target groups ...***
- (3) Raise general public awareness about the threats caused by aquatic IAS...***





**LIFE INVASAQUA**  
LIFE17 GIE/ES/000515



# Proposed Actions

## A. Preparatory Actions

**A1. PROJECT COMMUNICATION PLAN.**

**A2. DIAGNOSIS OF THE SITUATION AND DEVELOP ENGAGING AND COMMUNICATION TOOLS OF THE EWRR FRAMEWORK.**

## B. Core Actions

**B1. TRANS-IBERIAN COMMUNICATION AND INFORMATION CAMPAIGN TO ADMINISTRATION DECISION-MAKERS, NOGs AND SCIENTIFIC COMMUNITY.**

**B2. TRANS-IBERIAN COMMUNICATION, INFORMATION AND TRAINING CAMPAIGN TO KEY TARGET GROUPS.**

**B3. TRANS-IBERIAN INFORMATION AND COMMUNICATION CAMPAIGN FOR GENERAL PUBLIC (CITIZENS).**

**B4. AWARENESS AND ENGAGING PEOPLE IN COLLECTING IAS DATA.**

## C. Monitoring of Project impact

**D. Communication and dissemination of the Project and its results.**

**E. Project management.**





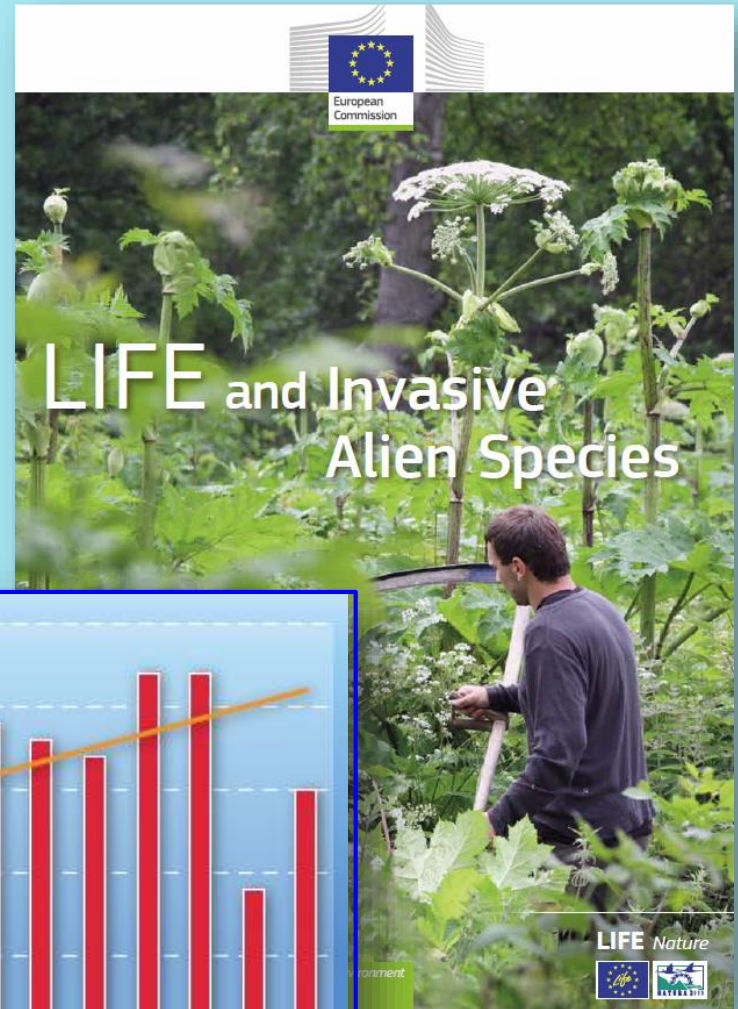
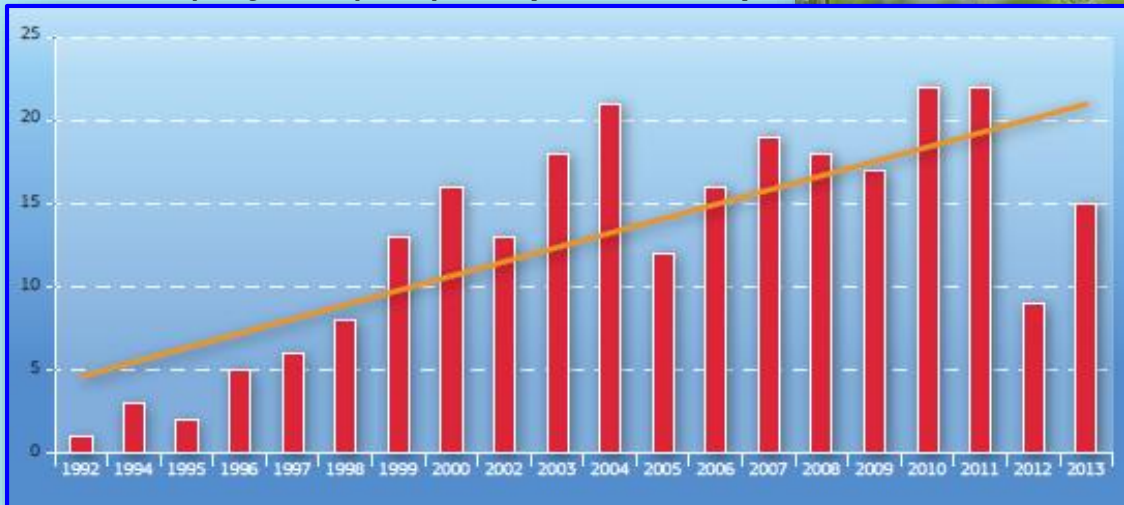
# What is the LIFE INVASAQUA?

*A new LIFE Project to address the problem of aquatic IAS in the Iberian Peninsula ...*

*... which was submitted in a good moment!*



LIFE IAS projects per year (1992-2013)





**LIFE INVASAQUA**  
LIFE17 GIE/ES/000515



# What is the *LIFE INVASAQUA*?

***A new LIFE Project to address the problem of aquatic IAS in the Iberian Peninsula ...***

***... which will engage in its development several research teams, ONGs, museums, etc.***

***INVASAQUA Consortium***

**9 beneficiaries**

**20 Pre-Agreements**

***Dissemination in the Iberian Peninsula is assured***







# What is the LIFE INVASAQUA?

*A new LIFE Project to address the problem of aquatic IAS in the Iberian Peninsula ...*

*... which will engage research teams, ONGs, museums, etc.*



Pre-agreements for the proposal submitted to the European Union under the LIFE+ Program and entitled: LIFE+ INVASAQUA

Pre-agreements to develop tasks (Workshops) included in **Core Action B1:**

1. **CIBIO:** Research Centre in Biodiversity and Genetic Resources. **Oporto University (PORTUGAL)**
2. **CCMAR:** Center for Marine Sciences at University of Algarve. **Algarve University (PORTUGAL)**
3. **MARE:** Marine and Environmental Sciences Centre. **Lisboa University (PORTUGAL)**
4. **University of Basque Country.** Vice-Chancellor for Research. **(SPAIN)**
5. **University of Cordoba.** Aphanius Research Group. **(SPAIN)**
6. **University of Lleida.** Vice-Chancellor for Research. **(SPAIN)**



# What is the LIFE INVASAQUA?

*A new LIFE Project to address the problem of aquatic IAS in the Iberian Peninsula ...*

*... which will engage research teams, ONGs, museums, etc.*



Pre-agreements for the proposal submitted to the European Union under the LIFE+ Program and entitled: LIFE+ INVASAQUA

Pre-agreements to develop tasks (Workshops) included in **Core Action B2:**

1. AEMS-Ríos con Vida. NGO. River&Estuary Users. (SPAIN) [www.riosconvida.es](http://www.riosconvida.es)
2. Sorellona. NGO. Associació la Sorellona. Catalonia. (SPAIN) [www.sorellona.org](http://www.sorellona.org)
3. ANSE. Asociación de Naturalistas del Sureste. NGO. Almería, Murcia, Alicante. (SPAIN) [www.asociacionanse.org](http://www.asociacionanse.org)
4. Proxecto Ríos. NGO Galicia. (SPAIN) [www.proxectorios.org](http://www.proxectorios.org)
5. MUHNAC. Museu Nacional de Historia Natural e da Ciencia. Lisboa (PORTUGAL) [museus.ulisboa.pt](http://museus.ulisboa.pt)
6. AquaMuseu do Rio Minho. Vilanova de Cerveira. (PORTUGAL) [www.aquamuseu.cm-vncerveira.pt](http://www.aquamuseu.cm-vncerveira.pt)
7. Cascais Ambiente. EMAC. Municipality of Cascais (PORTUGAL)
8. Municipality Alcocheche. (PORTUGAL)
9. Municipality Santarem. (PORTUGAL)
10. EDIA. Empresa de Desenvolvimento e Infra-estruturas do Alqueva (PORTUGAL) [www.edia.pt](http://www.edia.pt)



**LIFE INVASAQUA**  
LIFE17 GIE/ES/000515



# What is the LIFE INVASAQUA?

**A new LIFE Project to address the problem of aquatic IAS in the Iberian Peninsula ...**

**... which will engage in its implementation others Societies and their International Congress**

**15,000 € to support SIBIC 2020 SIBIC 2022**

Pre-agreements for the proposal submitted to the European Union under the LIFE+ Program and entitled: LIFE+ INVASAQUA

Pre-agreements to develop tasks related to Dissemination (Action D1), Replicability & Transferability (Action D2) (Networking in International Congress)

WFMF: World Fish Migration Foundation (The Netherlands) (Networking in Brussels) [www.worldfishmigrationfoundation.com](http://www.worldfishmigrationfoundation.com)



AIL: Iberian Society of Limnology (SPAIN and PORTUGAL) [www.limnetica.net](http://www.limnetica.net)



CIREF: Centro Ibérico de Restauración Fluvial, Iberian Center of Fluvial Restoration (SPAIN and PORTUGAL) [www.cirefluvial.com](http://www.cirefluvial.com)



GEIB: Grupo Especialista en Invasiones Biológicas (SPAIN) [geib.blogspot.com.es](http://geib.blogspot.com.es)



**SIBIC2016**  
VI Iberian Congress of Ichthyology  
Organizing committee:



- 210 participants (15 countries)
- 110 Conferences
- 100 Panels

**SIBIC2016** VI CONGRESO IBÉRICO DE ICTIOLOGÍA / MURCIA 21 - 24 JUNIO  
Ictiología: vocación por los peces de mar, los peces de río y la acuicultura



**LIFE INVASAQUA**  
LIFE17 GIE/ES/000515



# What is the LIFE INVASAQUA?

*A new LIFE Project to address the problem of aquatic IAS in the Iberian Peninsula ...*

*... which will engage in its implementation others Societies and their International Congress*

**10,000 € to support Special IAS seasons**  
In AIL, GEIB, CIREF Congress  
WFMF Networking in Brussels

**LIFE Networking celebrated in Murcia**

**SIBIC2016**  
VI Iberian Congress of Ichthyology  
Organizing committee:

**LIFE networking workshop on fish and aquatic systems restoration (9 LIFE+ Projects)** 24 June 2016, Murcia, News

Pre-agreements for the proposal submitted to the European Union under the LIFE+ Program and entitled: LIFE+ INVASAQUA

Pre-agreements to develop tasks related to Dissemination (Action D1), Replicability & Transferability (Action D2) (Networking in International Congress)

WFMF: World Fish Migration Foundation (The Netherlands) (Networking in Brussels)  
[www.worldfishmigrationfoundation.com](http://www.worldfishmigrationfoundation.com)



AIL: Iberian Society of Limnology (SPAIN and PORTUGAL) [www.limnetica.net](http://www.limnetica.net)



CIREF: Centro Ibérico de Restauración Fluvial, Iberian Center of Fluvial Restoration (SPAIN and PORTUGAL)  
[www.cirefluvial.com](http://www.cirefluvial.com)



GEIB: Grupo Especialista en Invasiones Biológicas (SPAIN) [geib.blogspot.com.es](http://geib.blogspot.com.es)



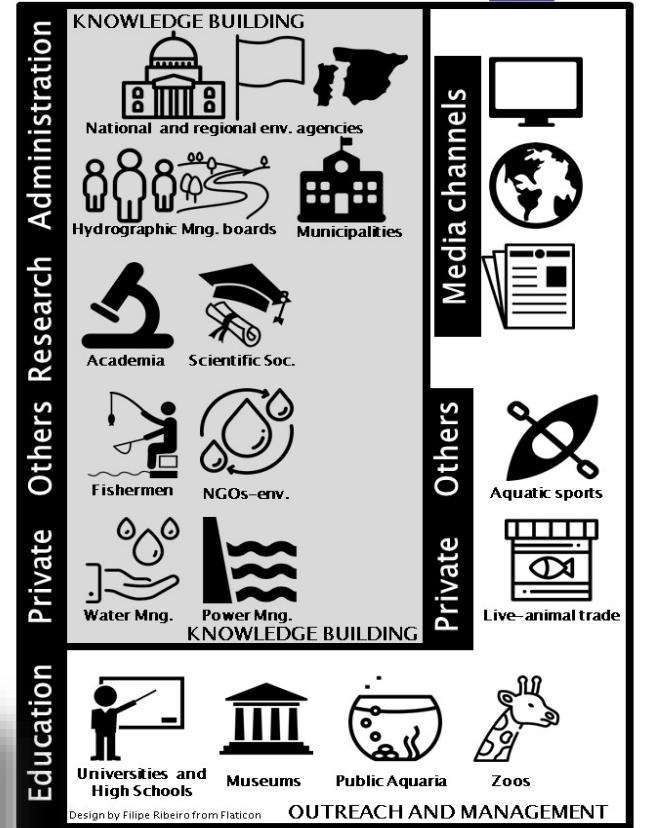


# Where could be improve with LIFE INVASAQUA?

- Identification of pathways
  - Early detection and rapid response
  - Inspection and control
  - Communication and awareness raising
  - ... and more
- ... *to do this we need to involve different stakeholders!*



## TARGET AUDIENCE AND STAKEHOLDERS LIFE-INVASAQUA





# Target Audience & Stakeholders

Sector	INVASAQUA		A	B	C
	<b>Interest groups</b>				
<b>Administration</b>	<b>Managers and Decision Makers from institutions related to water and wildlife management</b>	<b>At Trans-National</b>	X	X	X
		<b>At National</b>	X	X	X
		<b>At Regional</b>	X	X	X
		<b>At Local</b>	X	X	X
	<b>Surveillance Agents</b>		X	X	X
<b>Research</b>	<b>Scientifics and Researchers</b>		X	X	
<b>Education</b>	<b>University</b>				X
	<b>High-Schools and Schools</b>				X
	<b>Knowledge Multipliers (Museums, Aquariums)</b>				X
<b>Private</b>	<b>Business and Commercial</b>		X	X	X
<b>Communication</b>	<b>Media (Professionals of mass media)</b>				X
	<b>Environmental trainers</b>				X
	<b>Environmental journalist</b>				X
<b>Third sector</b>	<b>Academic Societies</b>		X	X	X
	<b>Environmental NGOs</b>		X	X	X
	<b>Other ONGs (Aquatic sports, etc.)</b>				X

**A:** Knowledge building; **B** Management; **C** Awareness and Divulgation

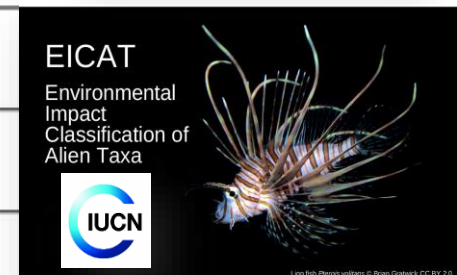




# Proposed Actions

## A. Preparatory Actions

Event or Activity measurable in attendance	Number of events, types or activities	Participants/copies
Survey targeting society strata	1	At least 300
Communication Plan working meetings	Only staff of the project	About 15-20
Engage and Training Webinars	At least 2	At least 20
Iberian Black and Alarm List Work-meetings	3 Physical 2 Web-based	At least 25
First Work-meeting of EICAT applicability	1	At least 20

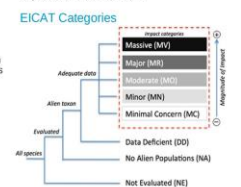


Human activities are transforming natural environments by moving species beyond the limits of their native geographic ranges into areas in which they do not naturally occur. Many of these alien species have become invasive, causing substantial changes to ecosystems and leading to native species extinctions. Invasive Alien Species (IAS) have become one of the major threats to biodiversity across the world.

It is important to recognise harmful invasive alien species at an early stage of introduction in order to mitigate negative impacts. There is therefore a critical need for the capacity to evaluate, compare, and predict the magnitudes of the impacts of different alien species, in order to determine and prioritise appropriate actions where necessary.

The IUCN Species Survival Commission Invasive Species Specialist Group (ISSG) have developed a tool to support this prioritisation process.

**Environmental Impact Classification of Alien Taxa (EICAT)**  
EICAT is an assessment process that classifies alien species into one of five categories, according to the magnitude of the detrimental impacts to the environment.





# Proposed Actions

## B. Core Actions



Event or Activity measurable in attendance	Number of events, types or activities	Participants/copies
Special Sessions and Workshops in SIBIC International Congress 2020 (Spain) and 2222 Iberian Aquatic IAS Workshops	2	At least 200
Iberian Aquatic IAS Workshops	At least 20	At least 200
Work-meeting of EICAT application on Iberian IAS	2	At least 30
Work-meetings to develop Trans-Iberian Strategy for the Management Iberian Aquatic IAS	At least 3	At least 50
Online awareness-raising questionnaires	--	at least 5000 stakeholders
Codes of conduct	5	At least 1000 hard and online
Audiovisual films	5	
Engaging Triptychs	5	at least 5000
MOOCs & Training Courses	At least 3	At least 500 participant, more than 20 institutions





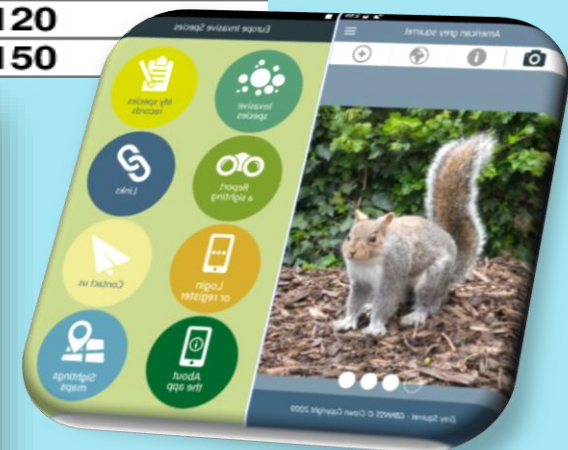
# Proposed Actions

## B. Core Actions



28<sup>th</sup> European Students' Conference  
GENETIC ENGINEERING - WHEN CHANCE MEETS CHOICE

Event or Activity measurable in attendance	Number of events, types or activities	Participants
Exhibition in Museums	At least 10	More than 2000 visitors
International Youth Congress	At least 2	About 100 students
Youth Engaging Events at Universities.	More than 20	About 2000 students
Events with NGOs	At least 4	More than 500
Events under global initiatives	At least 4	More than 500
Student Video Contests	At least 3	More than 50
IberMIS Webinars	At least 6	More than 120
Integrated voluntary activities	At least 3	More than 150





# Proposed Actions

## D. Communication and dissemination

Event or Activity measurable in attendance	Number of events, types or activities	Participants/copies
<b>Presentation day</b>	<b>2</b>	<b>100</b>
<b>Local Events</b>	<b>More than 100</b>	<b>5000</b>
<b>Final dissemination events</b>	<b>2</b>	<b>150</b>
<b>IUCN Networking on IAS</b>	<b>1</b>	<b>At least 75 and 10 projects</b>
<b>Networking space in SIBIC International Congress 2020 and 2222.</b>	<b>2</b>	<b>At least 50 and 10 projects</b>
<b>Networking space in AIL, GEIB and CIREF Iberian Congress.</b>	<b>At least 3</b>	<b>At least 75 and 15 projects</b>
<b>Networking on IAS in Brussels</b>	<b>1</b>	<b>At least 30 and 10 projects</b>

**LIFEs Networking celebrated in Murcia**

**SIBIC2016**  
VI Iberian Congress of Ichthyology  
Organizing committee:

**LIFE networking workshop on fish and aquatic systems restoration (9 LIFE+ Projects) 24 June 2016, Murcia, News**





# Proposed Actions

## D. Communication and dissemination



**LIFE+  
INVASAQUA  
UMU**

Technological services that ensure INVASAQUA Project Dissemination, Transferability & Management

ATICA & TICARUM [Computer & Multimedia Support]  
EDITUM [Editorial Service]  
TV.UM Channel [On line TV]



TV.UM CHANNEL



ATICA SERVICE



TICARUM

UNIVERSIDAD DE MURCIA



**LIFE+  
INVASAQUA  
EFE** **EFE: VERDE**

[www.efeverde.com](http://www.efeverde.com) - 127.236 visits in 07/2017  
[www.efelibredescarga.com](http://www.efelibredescarga.com) - 4.555 visits in 07/2017  
EFE Official Webpage ([www.efe.com](http://www.efe.com)) - 2.098.813 visits in 07/2017; EFE and EFEverde in social networks (Twitter: 1.290.000 members in @EFEnoticias; 91.000 members in @EFEverde en Twitter)



NEWS & VIDEO CHANNEL



BLOGS & FORUMS





# *Outcomes and quantified achievements*

## LIFE INVASAQUA will...

- **Achieve an appropriate implementation of the EU Reg. on IAS...**
  - ... involvement of at least 50 stakeholders institutions in the **Trans-Iberian Strategy for the Aquatic IAS**;
  - ... training building on decision-makers (500 managers; NOG's members and researchers);
- **Improve the Iberian effectiveness for EWRR...**
  - ... at least 50 scientists and managers involved in drafting the **Iberian Black and Alarm lists**;
  - ... special seasons on IAS in, at least, 5 **International Congress (> 500 participants)**;





# *Outcomes and quantified achievements*

## LIFE INVASAQUA will...

- **Adoption of Codes of Conduct and Best practices...**  
...by key target groups (240 Surveillance Agents, Knowledge Multipliers and 100 Business);  
... 500 knowledge multipliers among teachers and academics;  
... **museum exhibition** exposed in at least 10 Institutions;
- **Involve the public and key groups in monitoring IAS with appropriate training and information...**  
... **IberMIS App and Webplatform** including information of, at least, 50 aquatic IAS;  
... >500 volunteers trained to actively participate in engaging campaign;





# *Outcomes and quantified achievements*

**LIFE INVASAQUA will...**

- **Increase public information and awareness of the general public...**
  - ... more than 2000 Students involved in events and International forums;
  - ... over **100 activities** with a potencial to reach more tan **200,000 people** during the Project.





**LIFE INVASAQUA**  
LIFE17 GIE/ES/000515



# *Outcomes and quantified achievements*

**LIFE INVASAQUA will...**

- **Increase public information and awareness of the general public...**
  - ... more than 2000 Students involved in events and International forums;
  - ... over **100 activities** with a potencial to reach more tan **200,000 people** during the Project.



***SIBICers... Are you ready?***

**We must to increase in Portuguese and Spanish people awareness of IAS**





**LIFE INVASAQUA**  
LIFE17 GIE/ES/000515



Where rivers meet the ocean  
**SIBIC VII** IBERIAN CONGRESS OF ICHTHYOLOGY

# Welcome to the LIFE INVASAQUA

*Aquatic Invasive Alien Species of Freshwater and Estuarine Systems: Awareness and Prevention in the Iberian Peninsula*

*Obrigado pela vossa atenção*  
*Gracias por su atención*

*Proposal team*

**FJ Oliva-Paterna (Coord.)** ([fjoliva@um.es](mailto:fjoliva@um.es))  
R Olivo del Amo, F Ribeiro, R Miranda,  
P Anastásio, M Torralva, F Casals, F Cobo,  
A Perdices, Q Pou-Rovira, MJ Correia,  
J Ferreira, A Alcántara, L Lázaro, C Numa,  
J Ramírez, A Larena.

