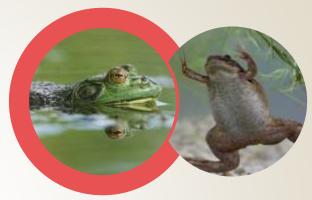
The first LIFE about Invasive Alien Species in France...





LIFE15 NAT/FR/000864

01/09/2016 - 31/08/2022

With the technical and financial support of:









































The Société Herpétologique de France in few words lashf.org



resentation

- NGO founded in 1971
- Approved by the Ministry in charge of the Environment since 1978
- Member of the French Federation of Natural Sciences Societies and, through him, IUCN
- Co-founder of Reptile and Amphibian Conservation Europe (RACE)



Aims

- Facilitate relationships between French-speacking herpetologists
- Increase awareness of Reptiles and Amphibians and their role in natural ecosystems
- Contribute to a better knowledge of French herpetofauna and its distribution
- Improve breeding conditions for Reptiles and Amphibians



Working

- 8 thematic commissions:
 Conservation,
 Distribution, Sea Turtles,
 Overseas territories,
 Terrariophily, Cistude,
 Information &
 Communication,
 Participatory Science
- Salaried team: a director, a project manager, an administrative and financial manager
- Network of regional coordinators
- Group of passionate volunteers, Herpetology experts...



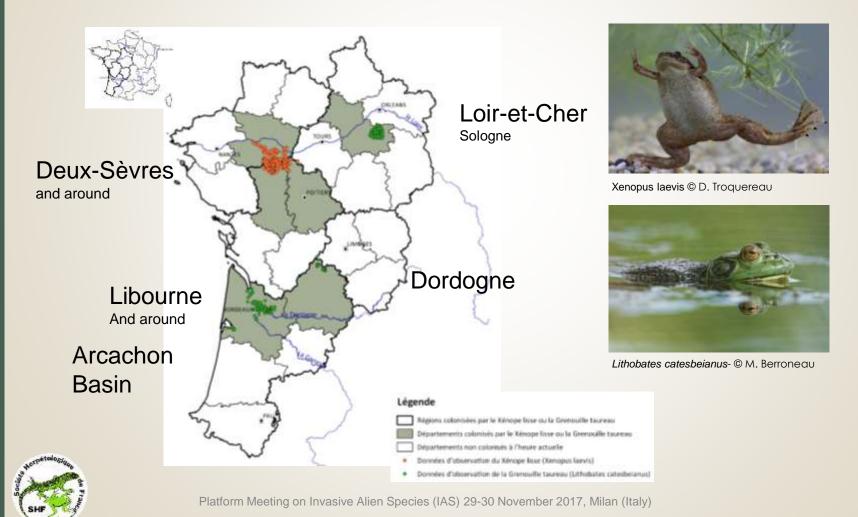






The Life CROAA context

Presence of two major species of Invasive Alien Amphibians in France











The Life CROAA context

Presence of two major species of Invasive Alien Amphibians in France

Predation on the whole trophic chain

Clawed frog: from zooplankton to macroinvertebrates (odonates in particular) to native Amphibian larvae Bullfrog: invertebrates, Amphibians, fish, Reptiles, sometimes Birds and micromammals

- Competition on native Amphibians
- Carriers of pathogens responsible for global Amphibian decline: chytridiomycosis and ranavirus





Stomacal contents of Xenopus (up) and a Bullfrog (below)

(Sources : Communauté de Communes de l'Argentonnais / Dominique Beguin - SEBB)











Before the Life project:

Xenopus

- Trapping in the Deux-Sèvres since 2011 implemented by two Communities of Communes (CdC de l'Argentonnais, CdC du Thouarsais)
- No control action in Maine-et-Loire

Bullfrog

- No actions in Gironde, since the finished study program in 2007
- Control plan since 2007 in Dordogne, but eradication is still not achieved
- Control plan since 2008 in Sologne, but eradication is still not achieved



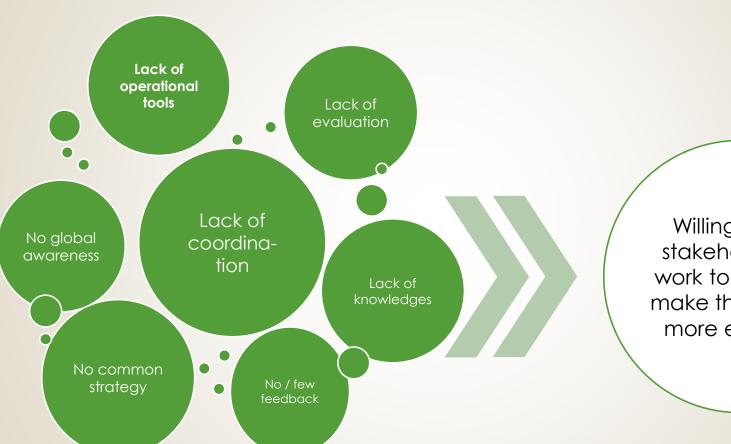








That is ...



Willingness of stakeholders to work together to make the actions more effective







First thoughts on setting up a LIFE program



- Founding meeting of 31/10/2013
 - Organized by the GT-IBMA In the presence of managers, public institutions (DREAL, ONCFS) and scientists
 - Discussions about setting up a LIFE project: which species? what scale? which project carrier? what financing?

Following this meeting:

- Project leader: SHF
- Recruitment in September 2014 of a project manager dedicated to the editing and writing of the application, by the University of Angers and then by the SHF











LIFE CROAA

Control stRategies Of Alien invasive Amphibians



- national project
- Led by SHF, with 7 project beneficiaries
- 2 main species targeted :
 - Clawed frog (Xenopus laevis)
 - American bullgrog (Lithobates catesbeianus)
- Duration 6 years :
 - 1st september 2016 1st september 2022



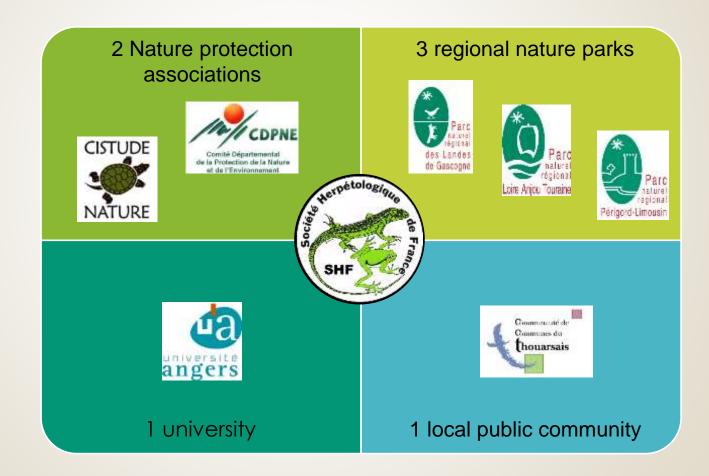








The team















Technical partners:













Steering
Committee
and
Scientific
Committee
of the
project













Eradicate the small nuclei colonised by Bullfrogs



- population nuclei present in Sologne, in the Dordogne and on the Bassin d'Arcachon
- Finding: eradication difficult to achieve after several years of struggle

- ✓ Development and field experimentation of new control techniques
- ✓ Increase of the control pressure











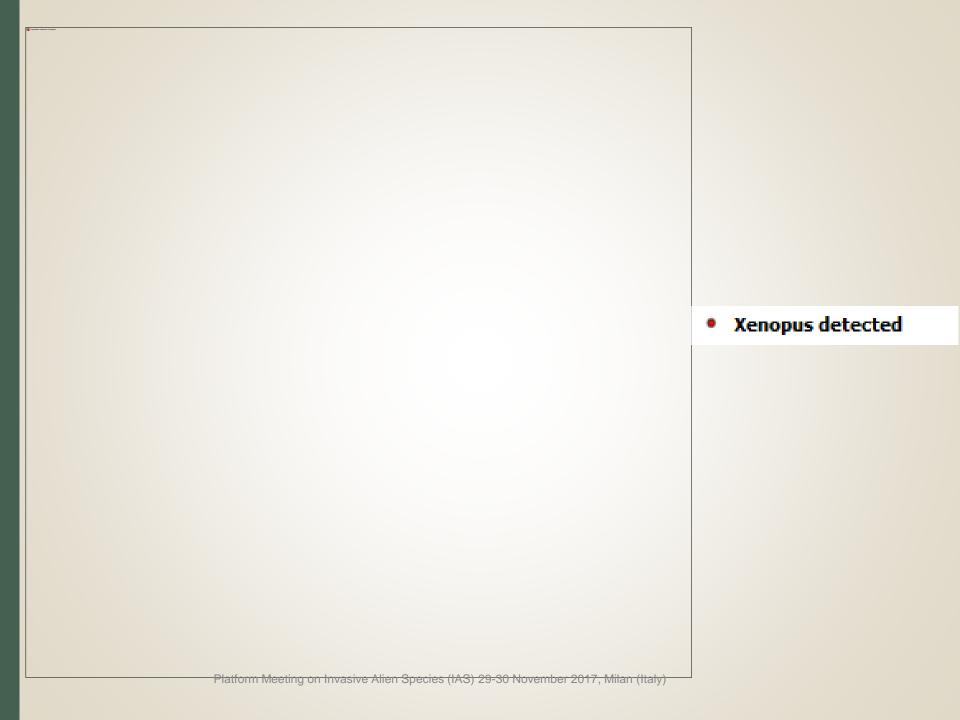


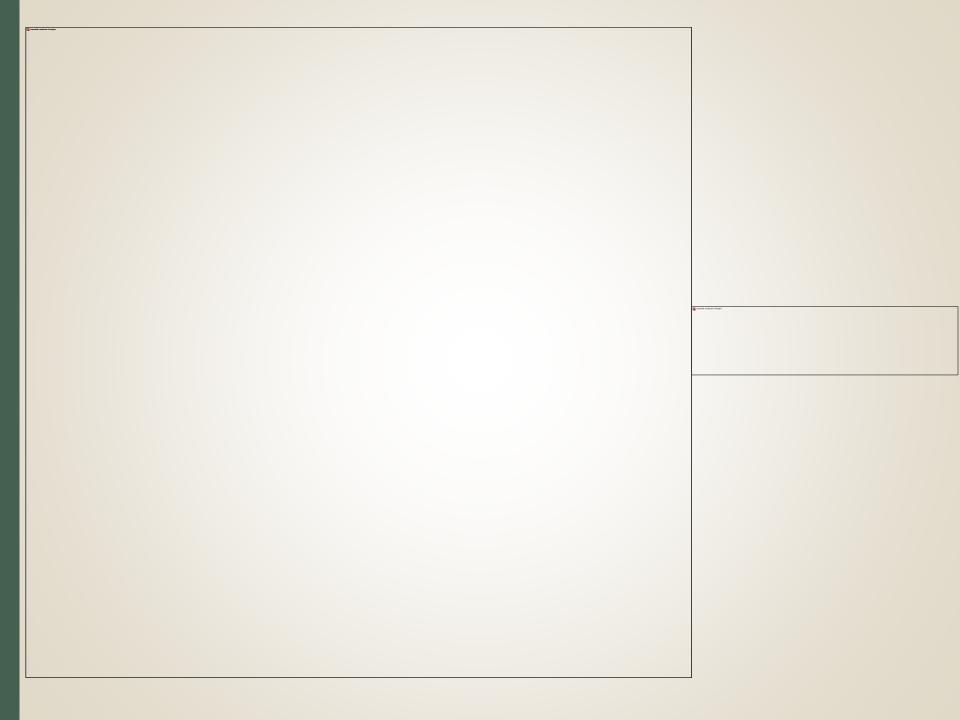
Develop a strategy for controlling invasive amphibians when the size of the colonized area impede the possibilities of eradication

- population of Bullfrog in the Bordeaux region and the population of the Xenopus in Deux-Sèvres / Maine-et-Loire
- Strategy developed in partnership with French and European research laboratories

- ✓ Definition of optimal control strategies for large invasive amphibian population nuclei
 Modeling approach, integrating biological and ecological parameters
- Implementation of the method developed on the two targeted nuclei in order to control them











Géoportail (IGN)











Prevent new introduction

- Identification of major alien pathways for **Amphibians**
- Raising awareness among stakeholders involved in trade or exchanges

- ✓ Raise awareness among young audiences and the general public
- ✓ Raise awareness among breeding centers and scientific laboratories likely to use exotic amphibians
- ✓ Sensitize pet shops and terrarium societies













Create an early detection and assessment system

- Meets the expectations of the EC, in accordance with the European regulation on IAS
- Will help to reinforce the prevention against the installation of new IAS (= quick reaction)
- Tool based on the expertise of IAS specialists

- ✓ Analysis of existing tools
- ✓ Networking local actors
- ✓ Development of a cartographic tool dedicated to exotic amphibians











- 5 Facilitate the implementation of control actions
- Facilitate the acceptance of the implementation of the controle actions
- Support local actors in their efforts against invasive
 Amphibians
- Look for long-term financing

- ✓ Awareness raising of the general public
- Awareness raising of local actors
- ✓ Awareness raising of decision-makers











- 6 Ensure the transfer of techniques and methods developed during the project
 - Community added values
 - Bullfrog present in UK, Spain, Italy, Belgia
 - Xenopus present in UK, Italy, Portugal
 - Optimize and rationalize the means to fight invasive Amphibians

- ✓ Contact with European managers working on invasive amphibians on their territory
- Dissemination of the methods developed during the project
- Experimentation on another territory of the developed methods



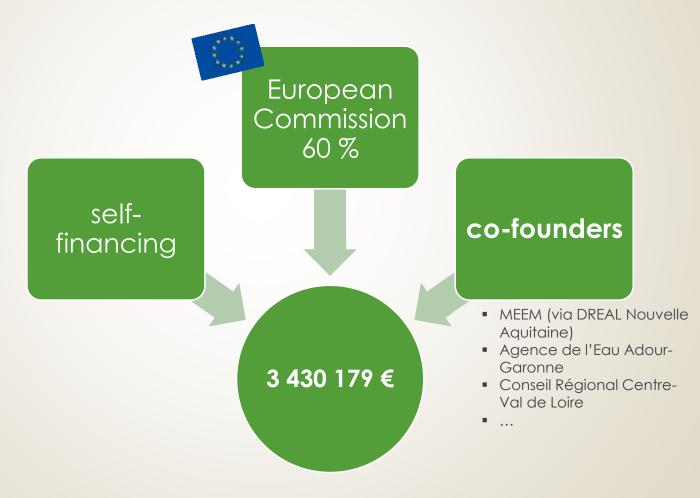








Budget ...





Thank you!



https://www.life-croaa.eu

