LIFE LIMNOPIRINEUS / LIFE13 NAT/ES/001210

LIFE RESQUE ALPYR / LIFE20 NAT/ES/000369

Marc Ventura

CEAB-CSIC

Speed presentations – ARC Platform Meeting – 22nd May – Santander, Spain

Objectives

- *LIFE LIMNOPIRINEUS*
  - *Restoration of **7** high mountain lakes from the Pyrenees through invasive fish removal with mechanical methods*
  - *Establish new populations of Calotriton asper, Alytes obstetricans and Rana temporaria*
- *LIFE RESQUE ALPYR*
  - *Restoration of **22** high mountain lakes from the Pyrenees and the Alps with fish removal with mechanical and chemical methods*
  - *Establish new populations of **3** amphibian species*
  - *Increase habitat availability for **7** bat species and **Galemys pyrenaicus***

LIFE RESQUE ALPYR

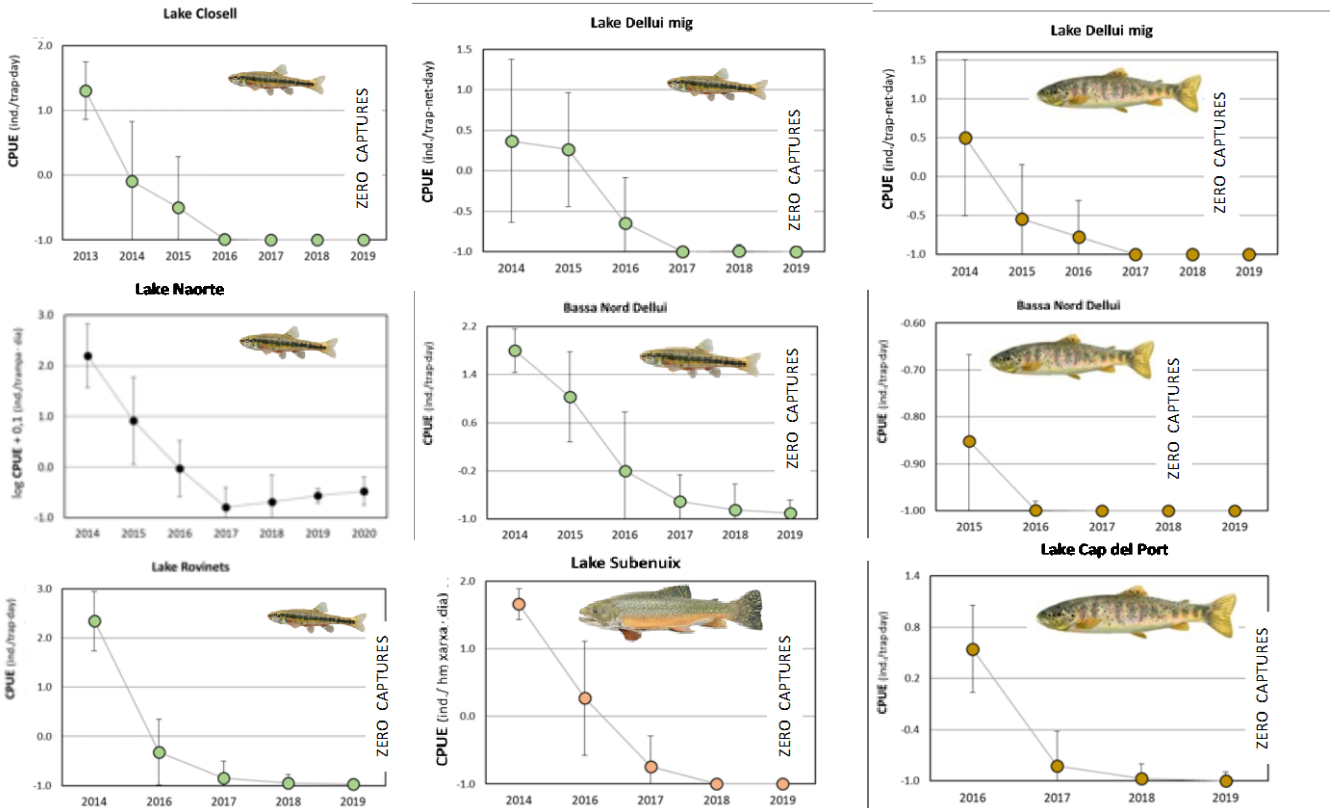
liferesquealpyr@ceab.csic.es

LIMNOPIRINEUS

II. ARC and Invasive Species

Results Relevant to the Theme

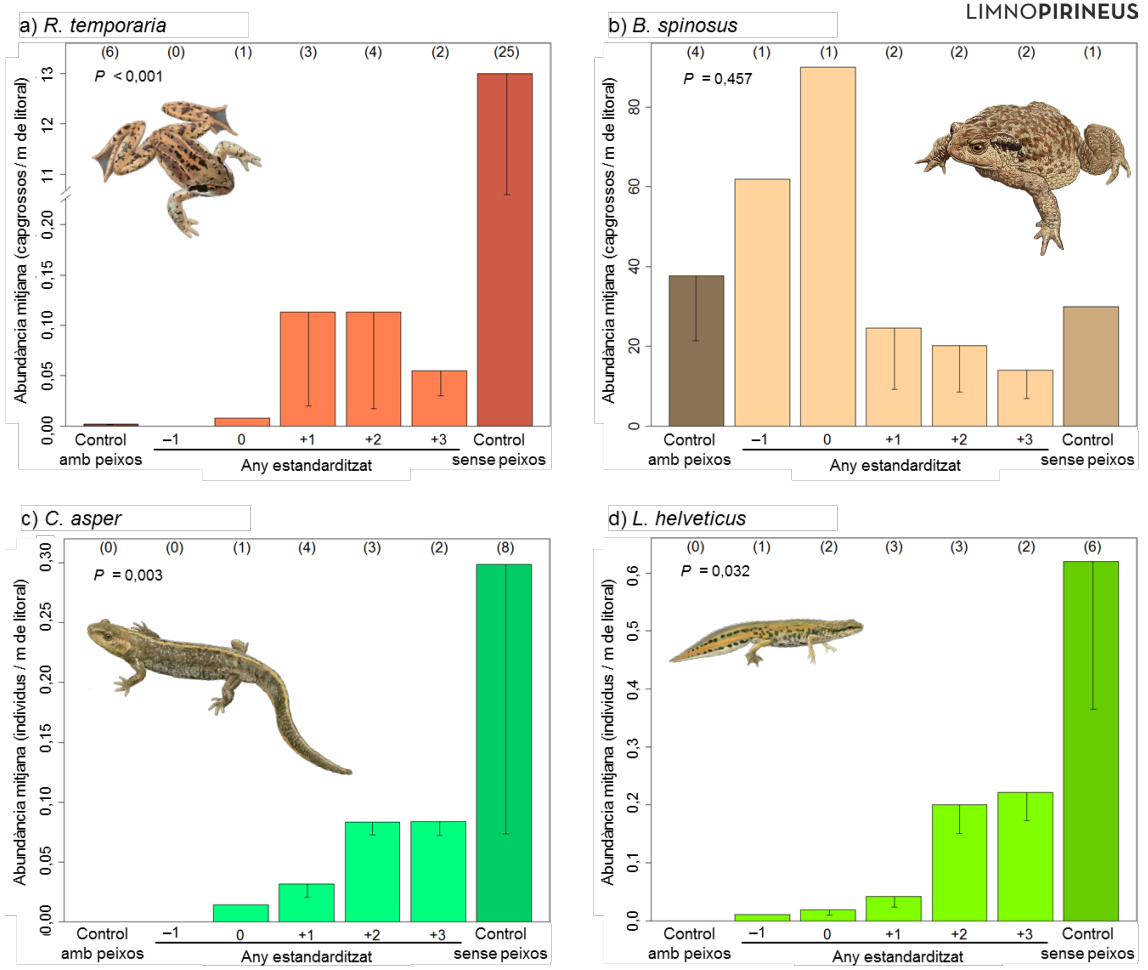
1. Fish have been extensively introduced to high mountain lakes
2. 72 % of the lakes of the Pyrenees with fish
3. Eradication over control due to fast growth rate
4. Cost of eradication are high
5. Change fishing legislation and citizen awareness



II. ARC and Invasive Species

Highlights / Issues / Lessons Learnt

- Mechanichal fish removal may take up to 7 years
- Amphibians may migrate long distance. High recovery potential
- Fishles lakes remain without fish
- Dissemination required to stop fish introductions



Miró et al. (2020) *Biol. Con.*

Key Messages to Share

Top tip(s) for amphibian and reptile conservation

- Fish removal is a viable option for restoring amphibian populations in high mountain lakes and rivers
- Success in the Spanish Pyrenees -> transferred to Austria, Slovenia, France