

Private landowners, NGOs and research institutions

A strategic alliance to enhance
nature citizen science

The project European Networks for Private Land Conservation (LIFE19 PRE/NL/000003) receives funding from the LIFE Programme of the European Union

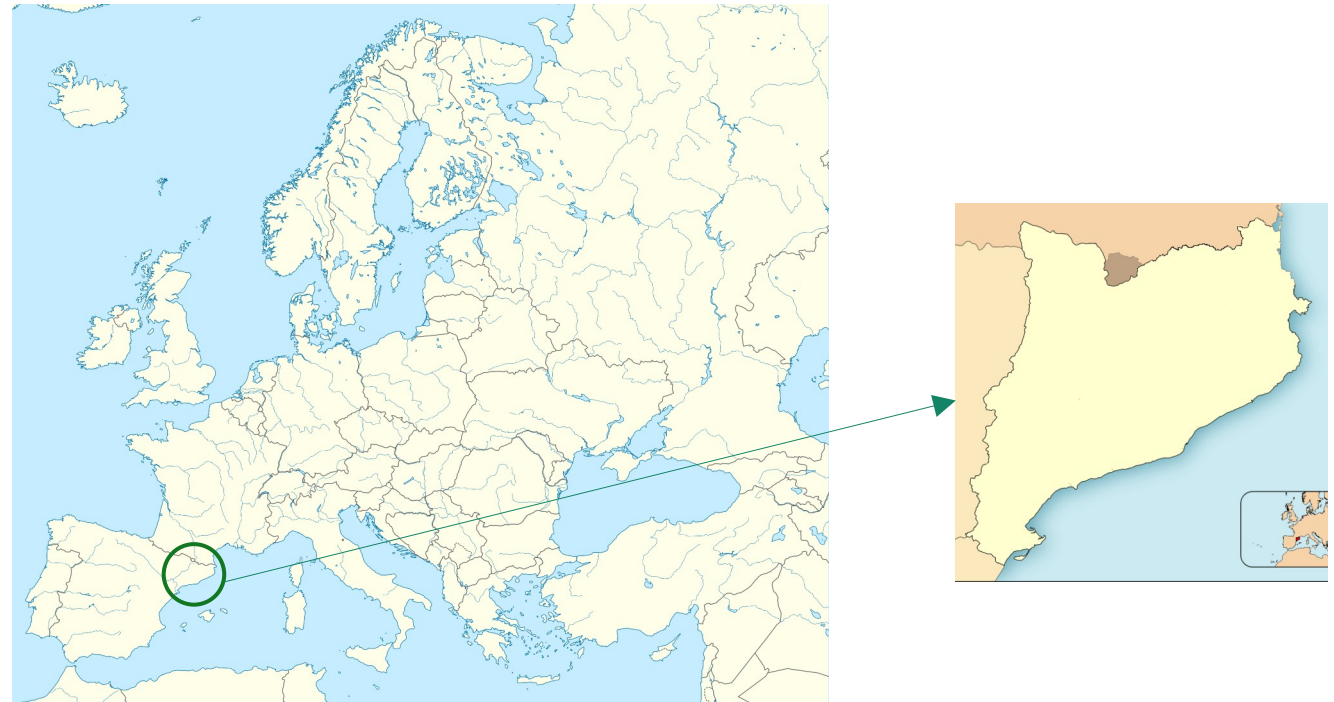
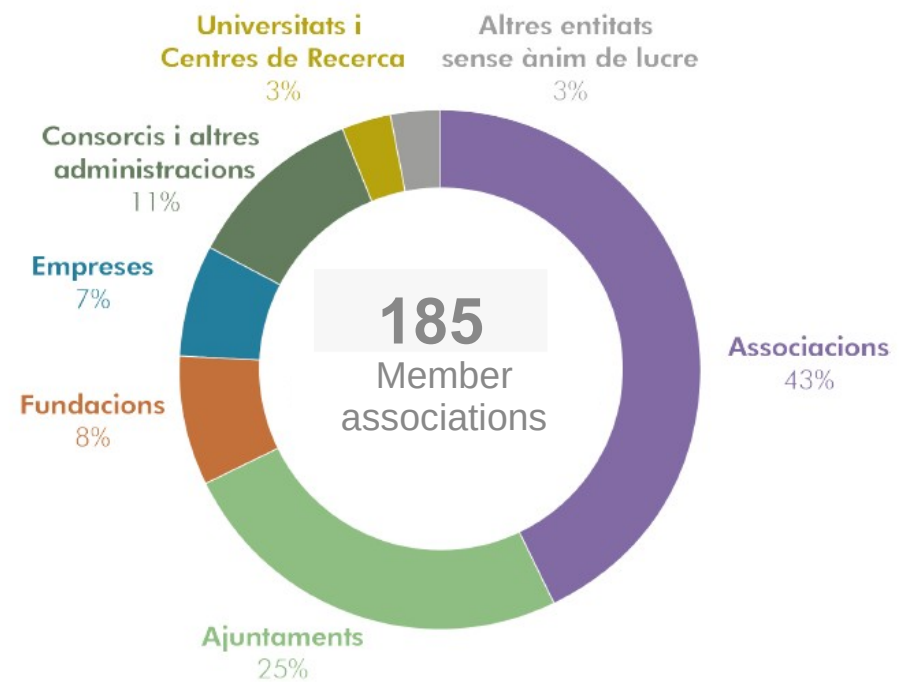


26/10/2022
Mathias Brummer and Paula Puy
Citizen Science for nature conservation,
(not) on my land

1 – Who are we?

Nature Conservation Network of Catalonia

(Xarxa per a la Conservació de la Natura - XCN)



XCN is a...

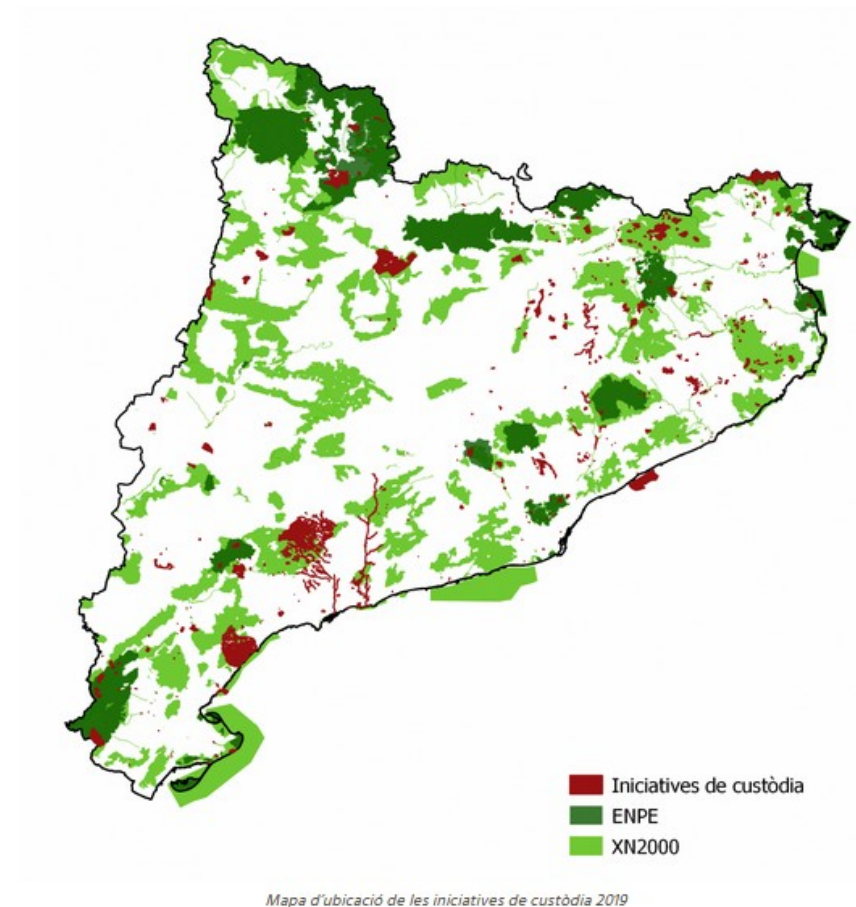
2nd level association. Created in 2003 as XCT. 185 organizations: NGOs, research centres, local councils, ...

In the XCN, we...

- Promote the conservation and sustainable management of natural heritage, its social relevance and its cultural and landscape values.
- Support the third environmental sector and institutions, especially in the field of land stewardship and environmental volunteering in Catalonia.

2 – Land stewardship inventory

Inventari de custòdia 2019

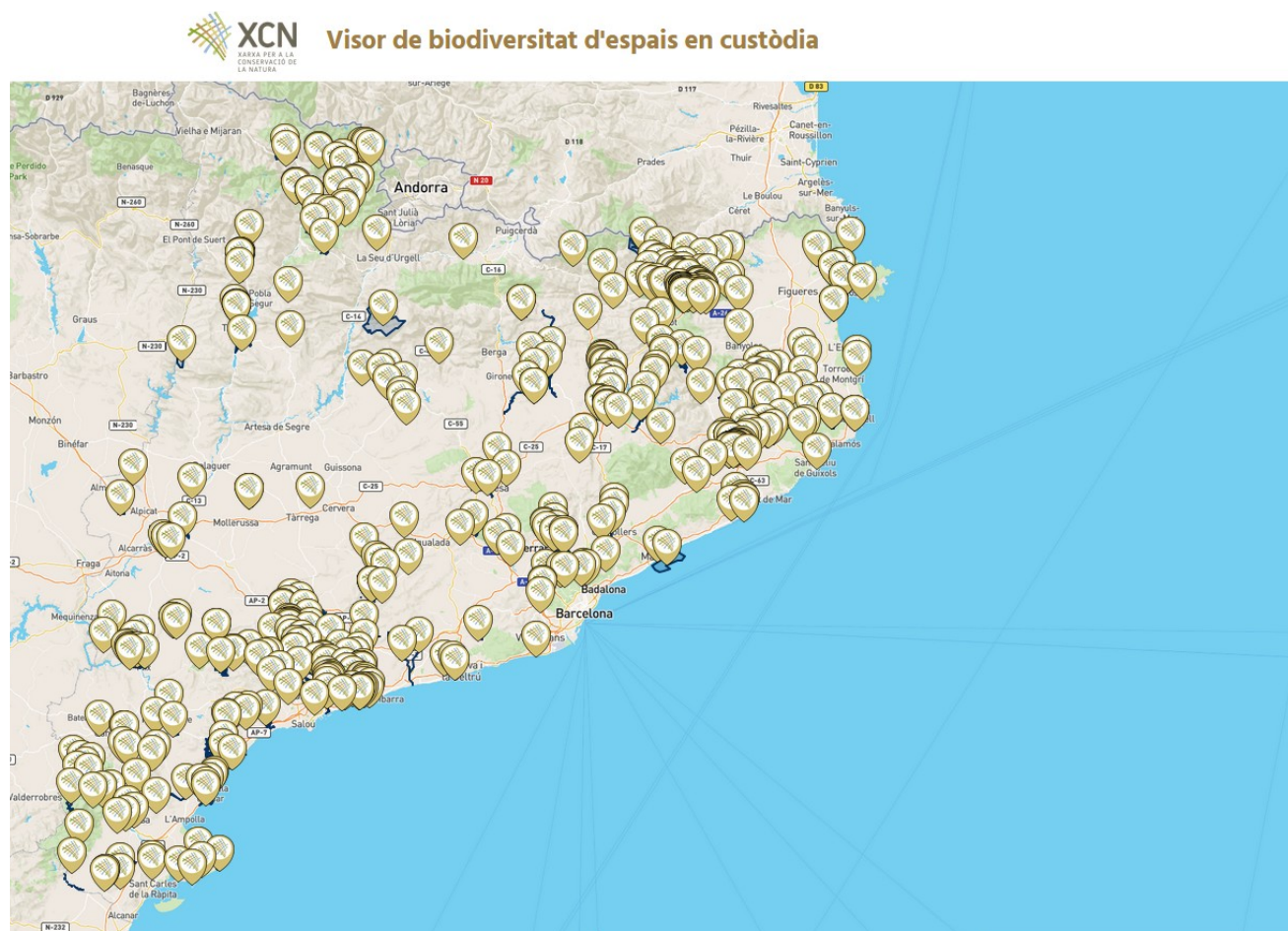


A continuació us destaquem les dades més rellevants de l'inventari 2019

700 iniciatives de custòdia	447 privades	253 públiques
63 entitats	42 privades	21 públiques
39.339 ha en custòdia	56,1% en propietat privada	

- Study on the stewardship areas and existing agreements in Catalonia.
- Takes place every 2 years. We are finishing 2021, the last one we have data for is 2019.
- 2019 data:
 - 700 conservation initiatives
 - 40,000 hectares in conservation (56% in private land)
 - 63 stewardship organizations.

3 – Stewardship biodiversity viewer



XCN Visor de biodiversitat d'espais en custòdia

Filtres (opcionals)


Per municipi: Selecciona... Per entitat: Selecciona...

Selecciona un espai en custòdia: Selecciona...

Selecciona un grup taxonòmic: [Icons for various taxonomic groups]

Selecciona un període de dates: 25/07/2022 - 23/10/2022

Consulta



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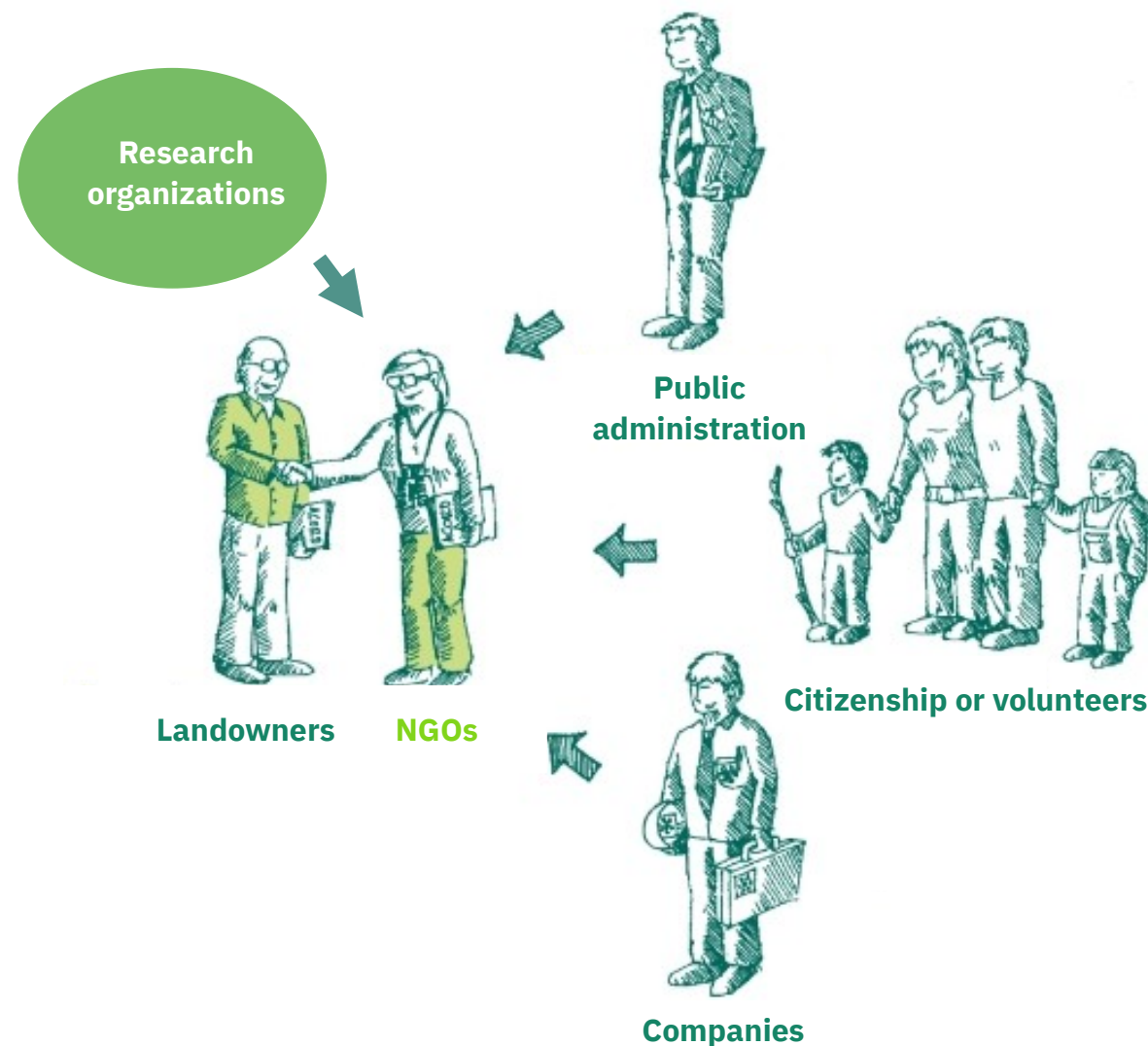
Consulta

- Based on the stewardship inventory.
- In collaboration with the Ornithological Institute of Catalonia (ICO).
- You can search by land, town, organization or taxonomic group.



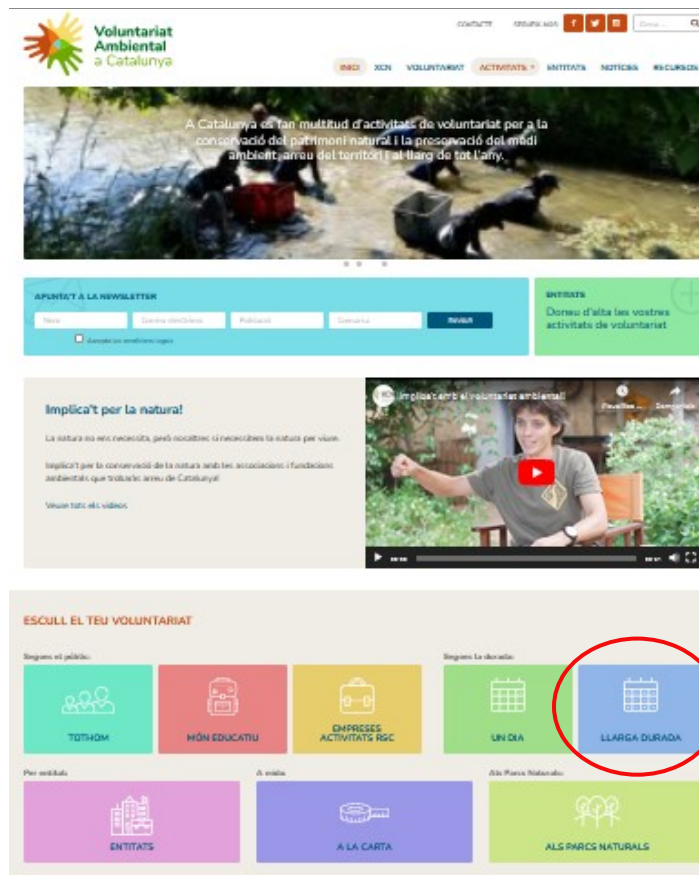
4 – Involving citizens in private land conservation through citizen science

Actors of citizen science and land stewardship



- Identify actors who act in our territory.
- Strengthen collaborations to boost our results.
- **Research organizations:** they design citizen science projects to involve the public in their lines of research.
- **Landowners:** make their land available for biodiversity studies.
- **NGOs:** NGOs or stewardship organizations can establish stewardship agreements with landowners or agreements with research centres, and participate in one of the existing projects of citizen science, or create one on their own.

5 – Environmental volunteering in Catalonia



Mapa d'entitats

Consulta les entitats que pots trobar a prop teu i posa't en contacte per a participar com a voluntari/a:



Veure llistat d'entitats

Acció Ecofeminista

ADEFFA



L'Associació de Defensa i Estudi de la Fauna i Flora Autòctona (ADEFFA) duu a terme diversos projectes de conservació de la fauna autòctona del Berguedà.

Masia Camadoca, s/n, 08517, Barcelona
a.adeffa@gmail.com
<http://www.adeffa.cat/>



ADENC - EdC

- A meeting place between volunteering organizations and citizens who want to get involved in nature conservation.
- More than 100 queries and 500 activities published every year.
- We promote citizen science projects also.

6 – Some examples

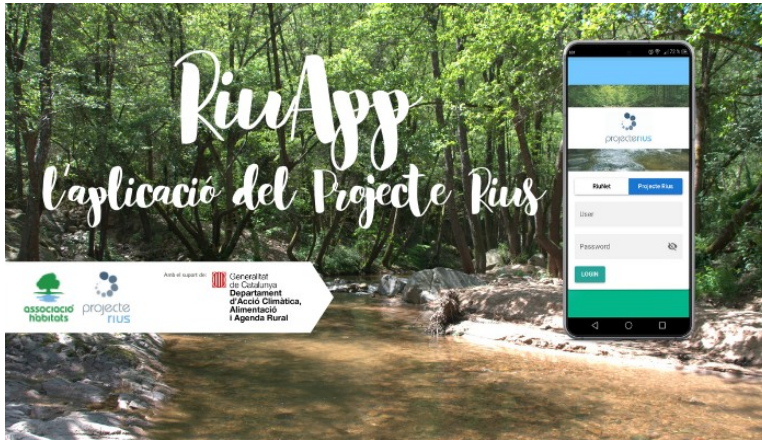
NGOs



Research centres or natural museums



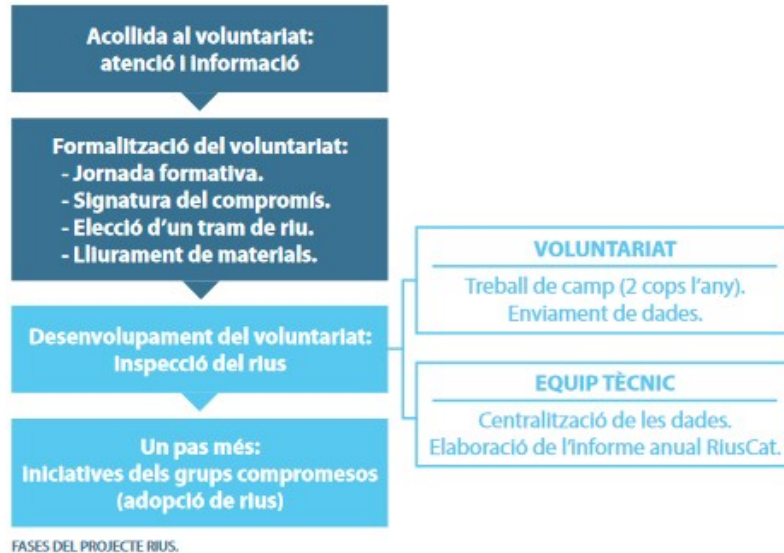
6 – Some examples – Rivers project



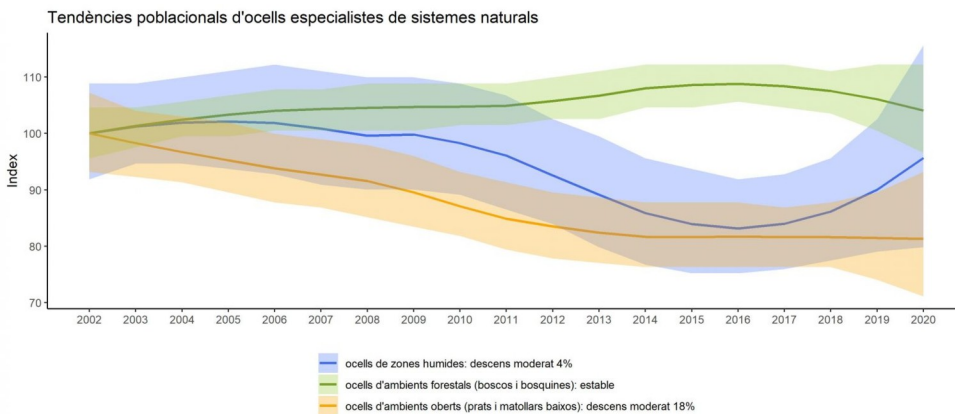
- XCN member
- Volunteering project based on the monitoring of the ecological status of rivers and streams in Catalonia.
- Citizen science, land stewardship and volunteering project.
- Started in 1997, since then, up to 40.000 volunteers have participated.
- Nowadays, there are 225 volunteer groups active and 231 stretches of river being inspected.
- 2 stewardship agreements with local administrations, and collaboration with a research centre (FEHMLab from University of Barcelona).

8 MANUAL D'INSPECCIÓ

Les fases per participar en el Projecte Rius (PR) són les següents:

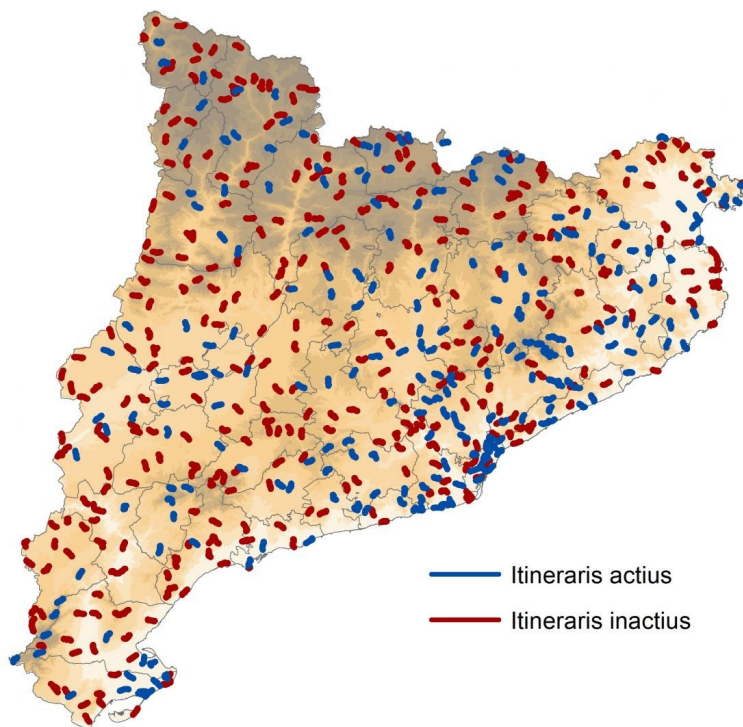


6 – Some examples – Tracking common birds



Institut Català d'Ornitologia

- External to XCN but with collaborations. NGO focused on research.
- Monitoring of Common Birds of Catalonia, promoted by the **Catalan Institute of Ornithology**, a pioneering organization in Catalonia in the study of birds.
- More than 200 people are currently participating. Each volunteer chooses an itinerary and 4 censuses are carried out every year, for 2 hours.
- Promote the «Ornitho» website, where biodiversity data is collected.



7 – Future challenges

- In Catalonia we have **several platforms** to collect sightings of fauna and flora (**ornitho**, **inaturalist**, **natusfera...**). This causes **dispersion** in the data and makes centralized visualization difficult.

The **Observatory of Natural Heritage** is supposed to centralize data to analyse trends and causes.

- The organizations in Catalonia include a large number of volunteers, but they tend to **participate sporadically** in citizen science activities. Few have organized long-term volunteers as "biodiversity observers", as they do in the Gaià River, so the potential is large if we work along these lines.
- **Lack of coordination** between research centres and stewardship organizations.

Currently in Catalonia we have around **80 stewardship organizations**, all of which could potentially establish collaboration projects with long-term citizen science initiatives.



Thank you!

xcn.cat
voluntariatambiental.cat

More info:
info@xcn.cat



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