

# The citizen science and decision making in the Basque Country: the [www.ornitho.eus](http://www.ornitho.eus) portal



[www.ornitho.eus](http://www.ornitho.eus)



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zientzia elkartea

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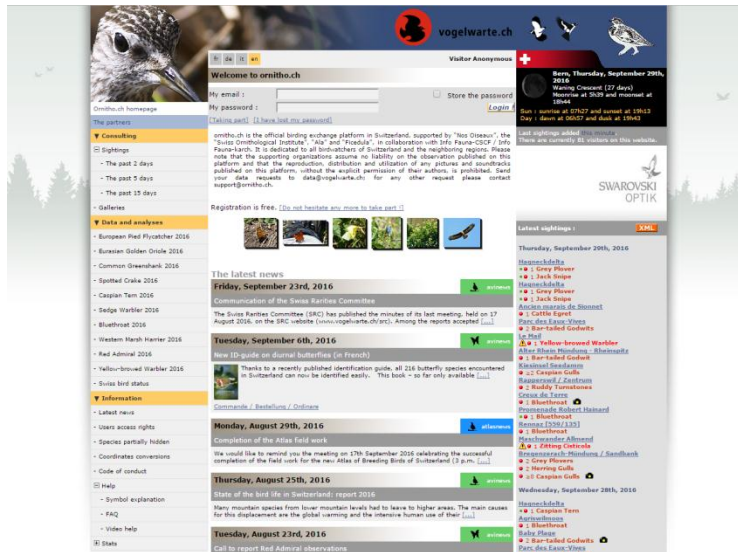
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# My talk:

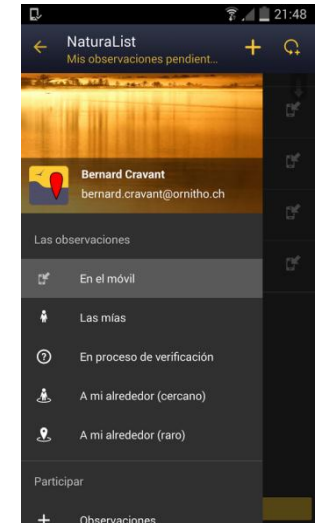
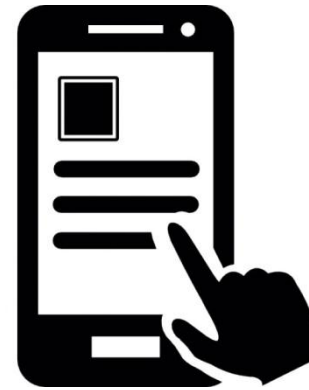
- What [www.ornitho.eus](http://www.ornitho.eus) is?
- Does [www.ornitho.eus](http://www.ornitho.eus) work?
- Connecting [www.ornitho.eus](http://www.ornitho.eus) with decision making.

# Format...

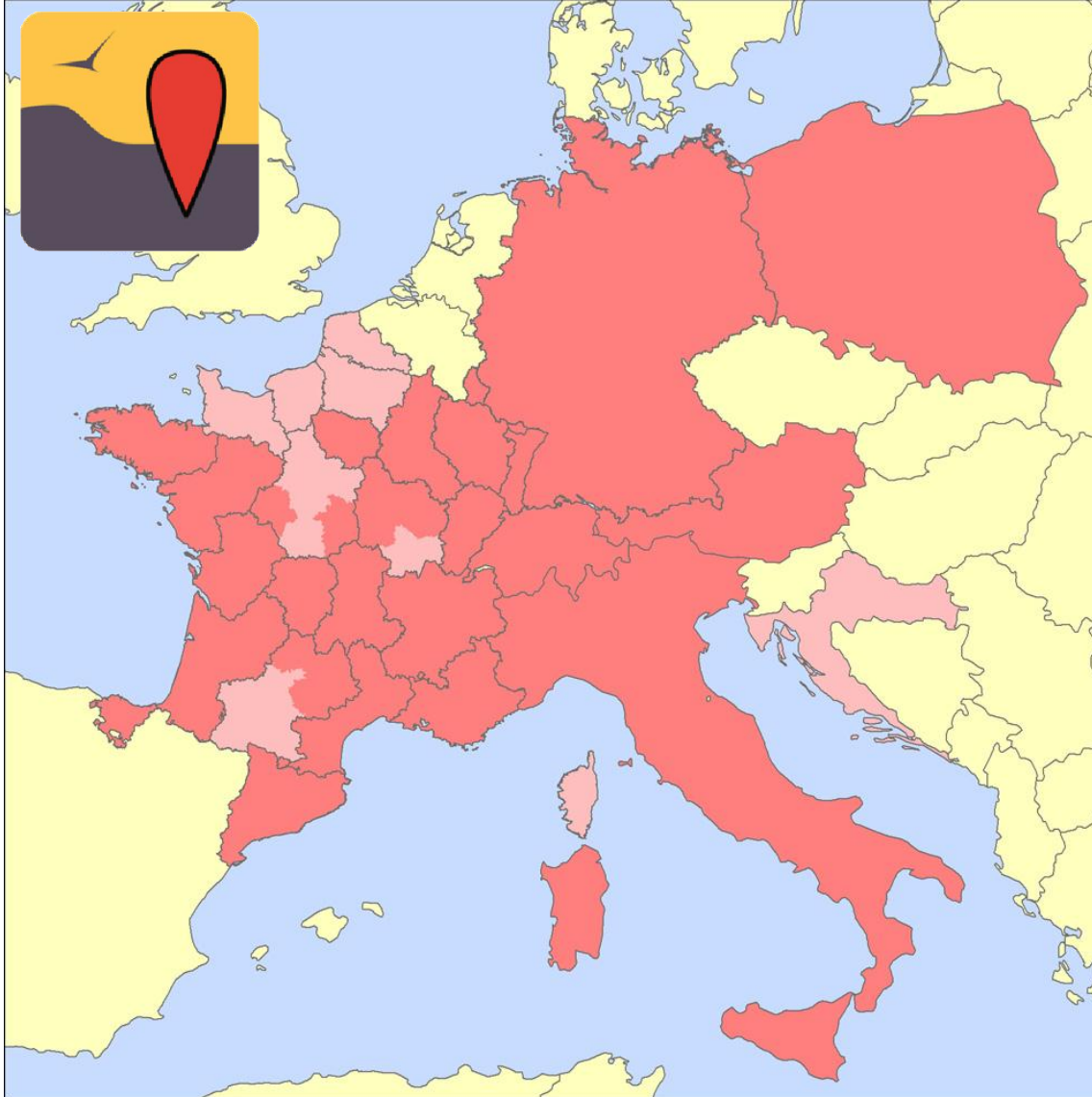
## INTERNET WEBSITES



## APP: NaturaList



# The ornitho family



# General statistics

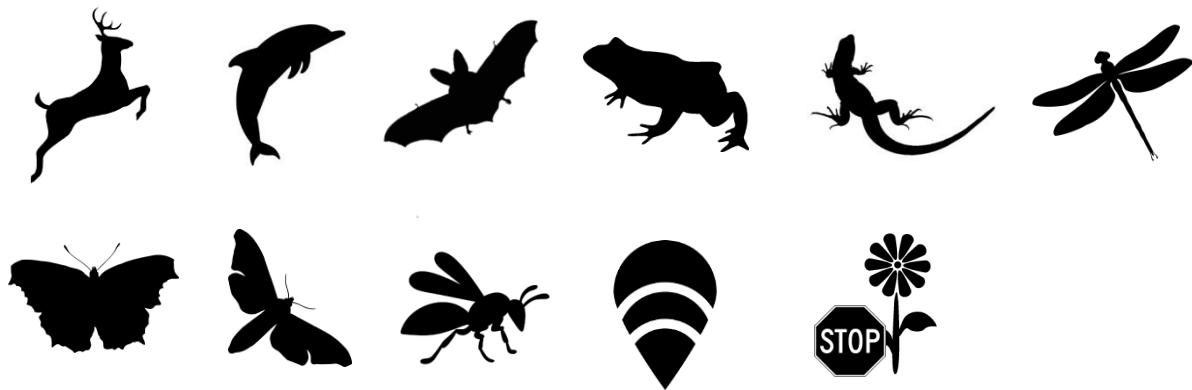
- 18,000,000 data/year; increasing at 17.5%/year.
- 45,000 active citizens.
- The most ancien portal is Switzerland: 10 years!

# The [www.ornitho.eus](http://www.ornitho.eus) portal

- Open in March of 2015, Basque Country.
- >265.000 data (~100.000 in 2016).
- 900 registered observers.
- 12 taxa:



94%



# What a good portal should have

- ✓ Good managing system to:
  - Import/export data.
  - Manage localities at a local scale level.
  - Manage users.
  - Hidden sensible data.
  - Give especial rights.
  - Verify data.
  - Additional sections.

# What a good portal should have

- ✓ Good feedback to observers:
  - Consults module.
  - Options to export data: tables, text file, maps, figures...
  - Lists.
  - Rankings.



# And more...

- ✓ **Record many data throughout the whole annual cycle...**
  - ...so we have a good complement for the standardized monitoring programs.
- ✓ **Record data in real time and make them accesible...**
  - ...so the feedback is improved and you can create early warning systems.
- ✓ **Great popularity...**
  - ...so high number of inputs as well as high number of consults.



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# From data record to decision making

- ✓ **A monitoring tool with as many facilities as we want.**
  - Standard form: casual data.
  - Complete form.
  - Additional protocols: waterbirds census, Asiatic wasp protocol...

# From data record to decision making

- ✓ **Coordination of monitoring programs.**
- ✓ **Networking promotion: from volunteers to Administrations.**
- ✓ **Basic statistics – indicators.**
  - Rapid consulting facilities, filter system by Natura 2000, customized GIS layers...
- ✓ **Early warning systems.**
- ✓ **Cooperation at larger spatial scales: Faunapyr, EuroBird Portal...**
- ✓ **Contribution to Basque Nature Information System.**

THANKS !

ESKERRIK ASKO!

