



Participation of Deaf and Hard-of-Hearing Adults in Citizen Science Projects for climate change.



Sauvages de ma rue

Lyon, France
IRSAM

“Sauvages de ma rue” project is a citizen science initiative aimed at exploring urban biodiversity and encouraging residents in a neighbourhood to participate in its preservation.



To take part in this project, you had to register on the “sauvage de ma rue” website, which is managed by the **ONG TélaBotanica**. TélaBotanica is specialised in Biotope data management and also manages this entire network.

To ensure the involvement of deaf and hard-of-hearing individuals in the project, specific measures were implemented. **Educators from IRSAM**, all trained in **French Sign Language**, were present during meetings and training sessions to ensure smooth and **clear communication among all participants**.

Information and instructions were also provided **visually**, through visual materials such as **posters, subtitled videos, and via the project's website** (Sauvages de ma rue | [Vigie-Nature \(vigienature.fr\)](http://Vigie-Nature (vigienature.fr))).

The data collected, mainly **photos of flowers**, were then shared on the project website so that scientists could analyse them.

HOW TO PARTICIPATE?



Register and determine an observation zone on the project site.

Use the equipment donated by the project or take photos using an application such as PlantNet.

Share all their results on the project website.



Let's take stock of the flowers around us !



Where can you find flowers ?

- In **gardens**, in **parks**, in the **streets**, on **pavements**.
- Everywhere, all **around you**.
- Wherever you like!



How can you monitor flowers ?

- Take out your phone and download the free **Plantnet** application.
- Determine your **observation zone** and go there.
- Use the app to **identify the plants** you want to observe.



Results

Participation Period: **April-June 2023**

Results collected: **19 species**

Number of participants: **13**

Lessons learned:

- Learning plant names and different species
- Effects of climate change on biodiversity and flowers life
- The changing seasons





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Oiseaux des jardins



Lyon, France
IRSAM

The "Oiseaux des jardins" project is a **citizen science initiative** that aims to **measure and count the proportion of wild birds** present in our **urban environments**.



This project is being carried out jointly with the **French League for the Protection of Birds (LPO)** and the **Paris Museum of Natural History**.

To support deaf participants, educators from **IRSAM** and trained in **French sign language**, were present to provide **support and facilitate communication** throughout the project.

To accommodate the different disabilities of the DHH adults, **specific tools** were developed.

Participants have visual **counting sheets**, which allow them to **document** and **note** the observed birds. Additionally, **posters** representing a bird observatory are used to facilitate the **identification of different species**.

The educators were also responsible for **posting the datas** on the project website and sharing it with the **scientific community**.

HOW TO PARTICIPATE?



- Use the materials provided by the project (bird count sheet, species identification poster).
- Count the birds over a given space and time.
- Write down the data on the count sheets.
- Enter the data on the project website.

Let's find the birds in our gardens!



Where can you find birds ?

- In our **gardens**, **public spaces** and **parks**.



How can you monitor birds ?

- Take a note and a pen
- Count the birds over a given time and use the identification poster.
- Record them on the count sheet.

Results

Participation Period: **May -June 2023**

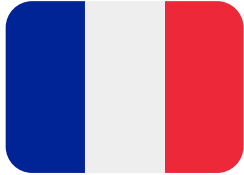
Results collected: **7 species**

Number of participants: **14**

Lessons learned:

- Learning birds names and different species
- Effects of climate change on biodiversity and birds life
- The changing seasons





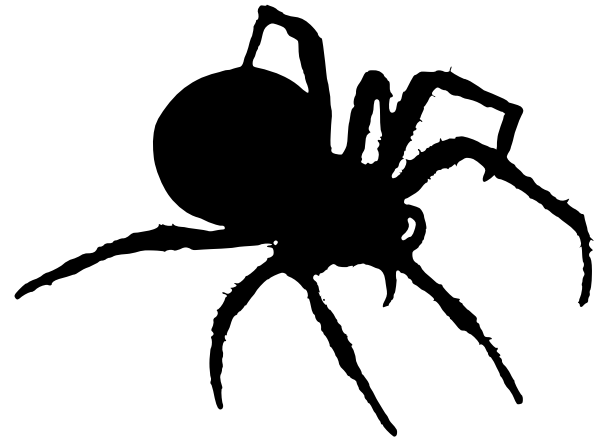
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Observatoire des araignées



Réunion Islands, France
IRSAM

The Reunion Island “**Spider Observatory**” is a citizen science project aimed at observing and cataloguing the **different species of spiders** found throughout **Reunion Island**.



The main objective of this project is to **enhance scientific research** by **completing the inventory of spiders in the region**, while **raising awareness** about the importance of the **ecology of identified species** and their **association with various habits**.

In collaboration with **Réunion's natural history museum**, **14 DHH from the La Ressource establishment**, part of IRSAM, took part in this **2-month participatory science experiment**.

To carry out the project, the DHHs were given **awareness-raising and training sessions on spiders**, their way of life and the different species by a number of workers and scientists from Réunion's Museum of Natural History.

After their observations, each DHH adult was able to post photos of their observations on the **CS project website**.

HOW TO PARTICIPATE?



By following the protocol:

- For each spider observed, take the most precise notes possible and photograph it.
- Use the identification sheet as a guide.
- Enter all the information noted and the photographs for each spider observed on the site.



Let's change our minds about spiders !



Where can you find spiders ?

- In his garden,
- At home (indoors)
- In public gardens
- In flowers, trees
- Everywhere



Results

Participation Period: **April-June 2023**

Results collected: around 10 species

Number of participants: 13

Lessons learned:

- Learning spiders names and different species.
- The role of spiders in the natural balance (they are very important).
- Climate change increasingly affecting spiders' way of life



How can you monitor spiders ?

- Grab a pencil and start looking for spiders.
- Make a note of all this on the identification sheet
- Record them on the project website.

