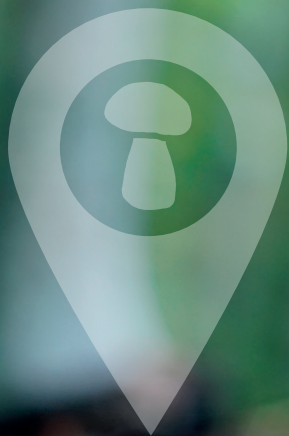


NETWORK FOR THE STUDY OF MYCOLOGICAL DIVERSITY



National Fungal Survey



ISPRA

Istituto Superiore per la Protezione
e la Ricerca Ambientale



Sistema Nazionale
per la Protezione
dell'Ambiente

ndm



Network per lo studio della diversità micologica

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Further information on the Network is available at:

www.ndm.isprambiente.it or by scanning the QR Code



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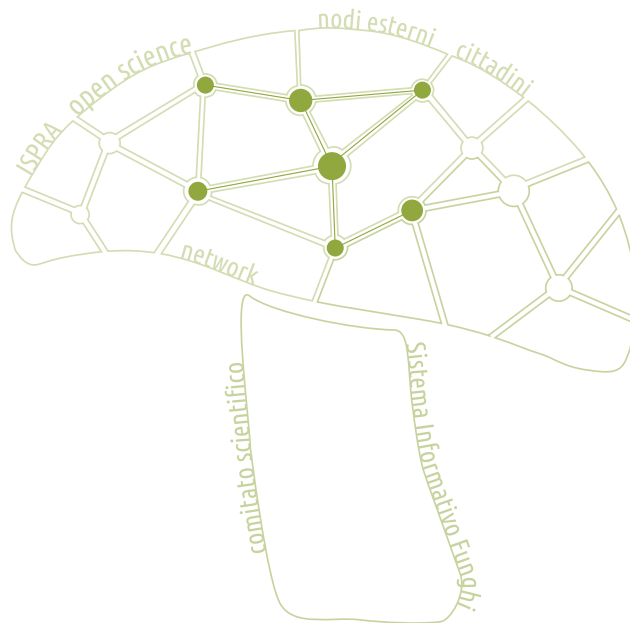
THE NETWORK

The Network for the Study of Mycological Diversity is a system based on a collaborative model that brings together human and technological resources to survey and monitor macrofungi in Italian habitats.

It was launched by ISPRA in 2021 to collect, organise and make data available through the Fungal Information System (SIF).

The Network structure

- A central hub at ISPRA, coordinated by the Department for Environmental Monitoring and Biodiversity Conservation.
- External nodes: public and private organisations (external units) and mycologists and experts (contributors) collaborate in the Network's activities, following the principles of open science. They participate in field surveys, monitoring, project development and the collection of useful data in the mycological and scientific fields.
- A scientific committee defines standards, priorities and scientific guidelines for the Network's activities and for the development of the Fungal Information System (SIF).

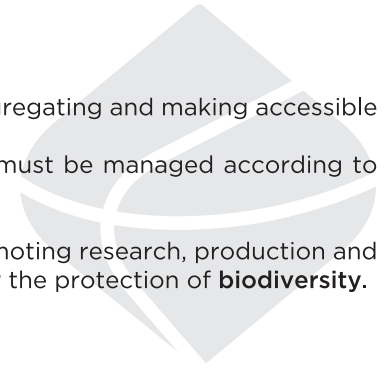


INSTITUTIONAL FRAMEWORK

Under current legislation (Law 132/2016 and Law 141/2019), ISPRA is responsible for aggregating and making accessible to the public environmental data provided by public and private entities.

These data serve as a technical reference for environmental protection activities and must be managed according to criteria of accuracy, consistency and reliability.

On this basis, ISPRA applies a policy focused on the **quality of environmental data**, promoting research, production and dissemination of indicators and information - also in response to climate change and for the protection of **biodiversity**.



The structure of the Network

The **Network for the Study of Mycological Diversity** is an open science initiative involving external experts who operate according to shared standards for the collection and use of mycological data.

NATIONAL FUNGAL SURVEY INITIATIVE



The goal of the survey is to collect and publish records of macrofungi in the main habitats across the national territory, creating a public and accessible database: the **Fungal Information System - SIF**.

Data are submitted by Network participants according to protocols and standards defined by the Scientific Committee, using specific **digital tools**.

For the survey, it is important to document all **fungal species**. The required data include information about the species and the habitat in which it was observed, contributing to the study of fungi within terrestrial ecosystems.

To access the SIF, scan the QR code:



“ DATA COLLECTED REMAIN ASSOCIATED WITH THE CONTRIBUTOR AND ARE USED IN ACCORDANCE WITH THE PRINCIPLES OF TRANSPARENCY AND SHARED RULES OF THE NETWORK ”



QUALITY CERTIFICATION



In 2021, the process entitled “*Process of acquisition and systematisation of data for the survey, monitoring and conservation of fungi across the Italian territory*” received **ISO 9001:2015 certification.**

JOINING THE NETWORK

It is possible to join the Network as a:

- **external unit**
- **contributor**

External Units may include public or private entities, such as:

- Universities, Museums, and Research Institutions;
- mycological associations, groups, and federations;
- scientific societies, including international ones.

Contributors are individuals who meet at least one of the following requirements:

- **Mycologist certification** - registration in the National Register of Mycologists is sufficient to submit a request for participation.
- **Proven experience** in mycology, acquired through teaching or research at public or private institutions, laboratories, continuing education for mycologists, peer-reviewed publications or scientific.

“ *Proven experience in mycology is recognised by ISPRA exclusively for the purposes of Network activities, subject to binding opinion by the Scientific Committee* ”



APP FOR SUBMITTING MYCOLOGICAL RECORDS

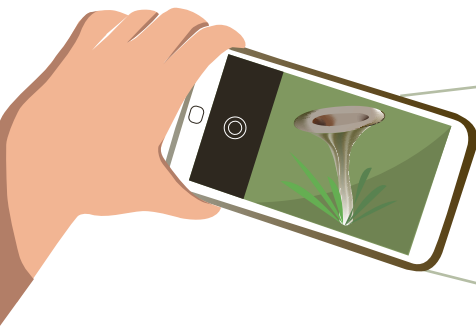
Contributors can submit their records using the **Survey123 App** for ArcGIS, via a form provided by ISPRA that collects information on the species and the habitat.

The **app** can be used on mobile devices to fill out records directly in the field, or on a PC to enter information later.

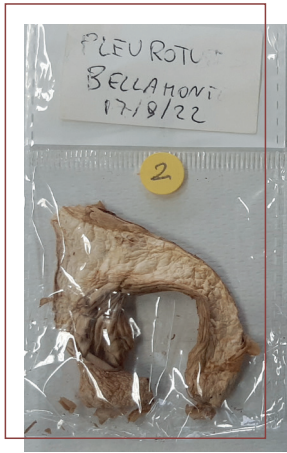
Each contributor can request to send the dried fungal sample to the ISPRA fungarium for conservation purposes.

Some samples may undergo **genetic analysis**, depending on defined criteria and availability from the **Conservation Genetics Unit**.

For more information on how to submit records, scan the QR code:

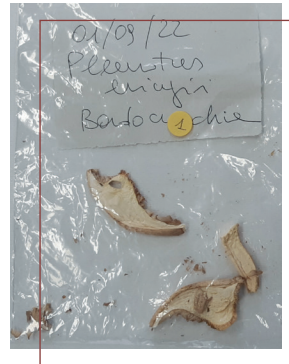
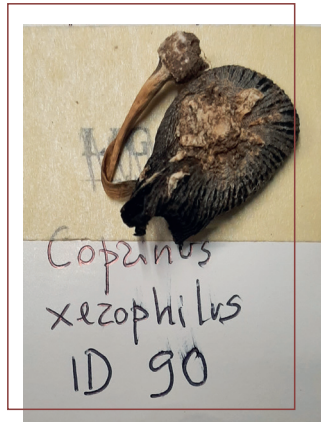
A screenshot of the Survey123 app interface. The top status bar shows the time as 11:00 and battery level at 48%. The app title is "SIF 6.1". Below the title, there is a section for "Rilevamento SIF" with details: "Proprietario: stdecorso", "Data creazione: 30/05/23 15:53", and "Modificato: 17/07/23 17:37". A small icon of a document with a checkmark is next to the title. Below this, there is a placeholder for a photo, labeled "Record 1 - nome scientifico Specie..." and "Luogo ritrovamento...". At the bottom, there are two buttons: "Raccogli" (Collect) and "Invia" (Send). The "Invia" button shows a count of "2". The bottom of the screen shows the Android navigation bar with three dots, a square, and a back arrow.

FUNGARIUM



The **Fungarium** is an ISPRA facility based in Ozzano dell'Emilia (BO), where dried fungal samples submitted by contributors of the Network are stored.

The structure is connected to a **biobank**, where the samples are preserved for **long-term conservation** or for **advanced analysis**.





Amanita muscaria



Boletus edulis



Russula sardonia



Suillus collinitus



Morchella esculenta



Mycena galericulata

