

Fostering cross-border mycological collaboration to boost common fungal diversity conservation goals

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Motivation and Goal

To understand drivers of fungal diversity patterns, high-quality mapping of species distributions is needed. However, the distribution of many species remains unknown or has only been assessed at country level.

FunDive aims to embark citizen scientists across Europe on collating data on fungal occurrences to achieve shared conservation goals.



European Engagement

- The project started as a network of **26 partner institutions from 16 countries.**
- **Over 150 mycological organizations and societies** were engaged to mobilise local communities.
- Today, more than **100 scientists** coordinate citizen science activities across **30 European countries.**

5424 fungal records
503 data collectors

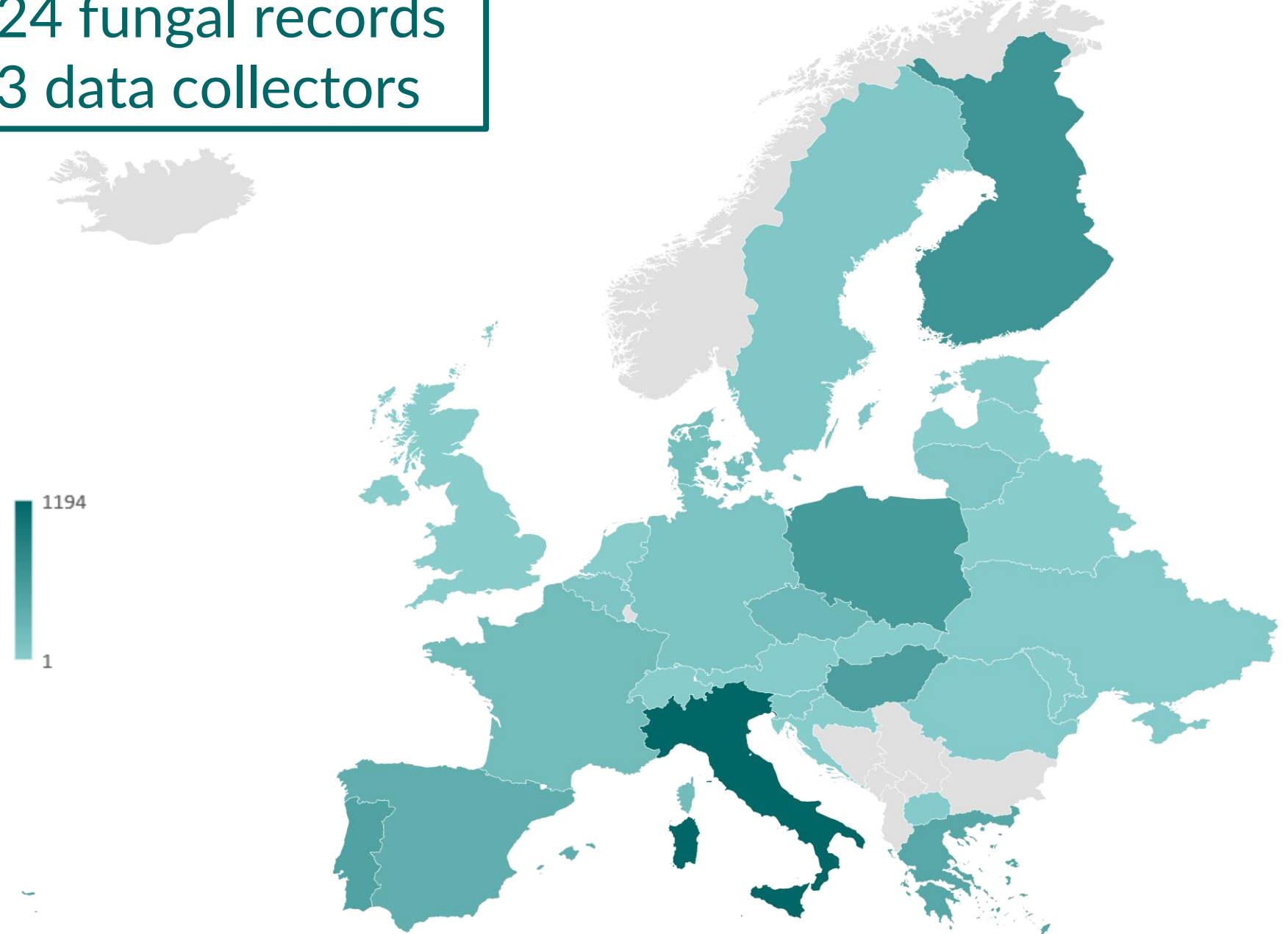


Fig. 1. Total number of fungal records submitted per country from all seasons.

Digital Infrastructure

- **FunDive Citizen Science Data Portal** was developed using the **PlutoF** platform.
- Observations can be recorded via the **PlutoFGo app** and appear instantly on the portal.
- Contributors can track the full laboratory workflow of their samples (from DNA extraction to the final generation of DNA sequences).
- **Citizens become active partners in research, not just data providers.**

ID	Status	Taxon	Date	Country	District	Commune	Associated data
WA0000074616	Sequenced	Geastrum	2024-09-22	Poland	Województwo opolskie	Miechowa	
KARMAR3107_1	DNA	Geastrum	2024-07-10	Sweden	Uppsala län	Skyttorp	
TL_1759		Geastrum	2024-01-19	Spain	La Gomera		
BarKud_37	Sequenced	Geastrum	2023-02-20	Poland	głównieński	Witkowo	
CWU(MYC)8738	Sequenced	Geastrum	2022-10-08	Ukraine	Ivano-Frankivsk Oblast	Tysmenyts'kyi district	

Fig. 2. View of FunDive Data Portal (<https://fun-dive.eu/en/dataportal/>), showing details of a single record and table representing status of samples.

Outcomes

Although various communication channels and activities are used, the degree of citizen scientist engagement varies greatly among countries and regions.

FunDive integrates community engagement, digital innovation and scientific workflows, demonstrating how citizen science, development of digital tools and research can converge to advance fungal biodiversity discovery across Europe.

Contact us!



<https://fun-dive.eu/>

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