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**UNIVERSITÉ DE  
MONTPELLIER**



# Joint call for proposals

## **DATASHARE 2022**

**Contacts**

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## Objective of the call

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The aim of this DataShare joint call is to accelerate the sharing of open-access and large scale 'novel' biodiversity related datasets. This call complements classical biodiversity synthesis calls, which aim at fostering the analysis of existing data and the synthesis of ideas and concepts, with a specific focus on data compilation and sharing. It can be considered as a preliminary step, but not mandatory, before submitting a research proposal to a classical biodiversity synthesis call (e.g. CESAB, sDiv, NCEAS).

Will be considered any dataset of ecological value such as occurrence, abundance, genomic, phylogenetic, functional, biogeochemical, biodiversity related data on any functions, taxa, communities, or ecosystems, anywhere on Earth and at any time. Socio-economic and/or environmental data will also be considered if clearly linked to the above mentioned biodiversity related data. Cross-level datasets combining different levels of biodiversity will be most appreciated.

A dataset proposal will be considered as 'novel' if it aims at collating mostly unpublished data or is a compilation and curation/harmonization of data from published and/or unpublished sources. Aggregation/transformation of existing data (if the added value in the interpretations of the data is convincing) are also eligible. Collection of data from new laboratory experiments or field expeditions will not be considered as eligible.

### 2022 Edition

For its 2022 edition the first DataShare joint call will fund two full projects. One of the two funded projects must treat topics related to biodiversity using an approach that combines mechanistic biology and either ecology or evolutionary biology in line with the research focus of the LabEx TULIP ([major themes of research](#)). The other funded project can address any biodiversity related data.

## Working group composition

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Each working-group proposal must:

- **be led by two principal investigators (PIs)** with at least one PI associated with a laboratory affiliated with BIODIVOC<sup>1</sup> and/or Labex TULIP<sup>2</sup>;
- **be made of maximum ten members** (including the PIs) and include at least four members from laboratories affiliated with BIODIVOC and/or Labex TULIP;
- **be international, well-balanced** and diverse in terms of gender, range of expertise and career stage;
- include at least one person identified as the **responsible for the management of data** within the group who will be in direct interaction with the CESAB data scientists.

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<sup>1</sup> <https://biodivoc.edu.umontpellier.fr/presentation/communaute-scientifique/>

<sup>2</sup> <https://www.labex-tulip.fr/TULIP/Unites-partenaires>

The groups are expected to meet at CESAB three times over the 2-year duration of the project, during 5-day sessions. They are also expected to organize a one-week virtual meeting and regular short virtual meetings throughout the project duration.

The working group will receive support from the CESAB data scientists at CESAB for database conceptualization and design (including tools/software recommendations and workflow development) but cannot rely on the CESAB staff for data curation, data cleaning, data homogenization, database maintenance, and data management plan (DMP) writing. The CESAB staff, in association with the French Biodiversity Data Hub (Pôle National de Données de Biodiversité - PNDB: <https://www.pndb.fr/>), will also support the working group in structuring the associated metadata.

## Working group outcome

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Ultimately we expect that the working group will adhere to the **FAIR** (Findable, Accessible, Interoperable and Reusable) principles for scientific data.

Expected outcomes include:

- a release of the metadata on an online public repository with a structured and fine-grained description (using machine-readable international standards like the Ecological Metadata Language, EML) at the end of the project (Findable, Interoperable);
- the publication of the dataset in a scientific data paper and if relevant, high-quality scientific publications with in-depth analyses, are expected within two years of the last meeting of the working group. The datasets must be released and made accessible to the widest possible scientific community through a trusted online public repository<sup>3</sup> (Accessible);
- the release of code and/or workflows used to preprocess, clean and homogenize the data from raw to final stage will be appreciated. Similarly, the release of software/code (e.g. R, Python, API, Web Interface) to access and explore the data will be an added value (Reusable).

CESAB and PNDB offer a unique opportunity for scientists to use their expertise in synthesis and data management, and will provide links to organizations that can facilitate release of the metadata and data submissions.

The two successful working groups will have to provide an interim report (mid-term report & DMP) and a final report, based on a template provided by CESAB.

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<sup>3</sup> with open-source license subject to data sensitivity and restrictions

## Selection criteria

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Working groups will be selected according to the following criteria:

- the extent, scientific importance and novelty of the dataset assembled;
- the level of expertise of the working group in relation to the topic addressed;
- the feasibility of the work program;
- the dissemination of data and knowledge.

## Budget – funded activities

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A working group of up to ten experts will be funded for 2 years, including:

- meeting costs for **3 workshops of 5 days each at CESAB** (10 participants max);
- technical and administrative support;
- Zoom channel and admin support for the organization of the virtual meetings;
- **publication costs** up to 3000 €;
- carbon offsetting of meetings up to 1500 €.

**The budget will be handled by CESAB** and does not need to be detailed in the project proposal.

## Calendar

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**22nd Sept 2022 at 13:00 (CET):** deadline for submission of proposals  
Mid-December 2022: announcement of results  
Early 2023: virtual kick-off  
Mid-2023: 1st workshop  
2024: 2nd and 3rd workshop

## Application procedure

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1. [Request for the proposal form](#)
2. Send your proposal in pdf before 22th Sept, by email to [cesab@fondationbiodiversite.fr](mailto:cesab@fondationbiodiversite.fr)