Request for proposals for national data services needed in the research area of Evolution and Biodiversity

Background

Following Section 3 in the Data-Driven Life Science (DDLS) Strategy, the DDLS program is building the SciLifeLab Data Platform with a range of advanced data analytics support services. The Data Platform acts as a hub for data-driven life science research. It aims to promote services, create resources, and organise scientific outputs (e.g. data, code, methods) in a reusable way, following the Open Science and FAIR principles.

The four Data Science Nodes (DSNs) within the DDLS program will develop, maintain, and manage some national data services in the Data Platform, and also connect them to data analysis and bioinformatics support within their respective DDLS strategic research area. SciLifeLab Data Centre will operate the central resources of the Data Platform, and coordinate the activities at the national level. The Data Centre also provides an important link to national e-infrastructure resources (i.e. computing and storage). Access to such resources might include submitting applications for allocations or providing user fees.

Scope

This call aims to collect proposals from the Swedish research community for national data services needed in the field of Evolution and Biodiversity.

The **proposal (maximum 3 pages in length)** should present data services that would be available to all life science researchers and/or data-producing facilities in Sweden. Also, the data services should bring Swedish data-driven research in the evolution and biodiversity area forward, in the sense that they fill a need that is currently not covered by other available services at the national or international level.

The development, maintenance, and user support of new data services will be carried out by the Data Science Node in Evolution and Biodiversity (DSN-EB), hosted by Uppsala University and the Swedish Museum of Natural History.

Eligibility

The proposals of national data services must be:

- Submitted by anyone affiliated with a life sciences research institution in Sweden.

- In alignment with the DDLS program and the SciLifeLab Data Platform objectives.

- Targeted to the DDLS Evolution and Biodiversity subject area.

- Feasible to be developed, maintained and supported by the DSN-EB and SciLifeLab Data Centre as a national data service within existing resources.

Assessment

The proposals will be selected based on these criteria:

- Novelty and uniqueness.

- Impact; potential to bring Swedish data-driven research in Evolution and Biodiversity forward in an international context.

- National user reach, and potential to integrate with existing national data services.

- Open Science aspects, such as the ability to support FAIR data sharing, FAIR software, and open standards.

Note that the final national data services will not be constrained by the submitted proposals. For instance, they may combine several proposed ideas, or take a different approach in meeting the described needs.

Instructions for submitting a national data service proposal

Make sure that the proposal includes:

- a title

- contact person, affiliation, and email address

- the desired functionality of the national data service and the needs it addresses. [**Max 1 page**]

- how the national data service would enable Swedish researchers to develop/strengthen international leadership in data-driven evolution and biodiversity research. [**Max 1 page**]

- the national user reach of the data service and how it would benefit the evolution and biodiversity community. If relevant, describe how it would complement existing national and international research infrastructure. [**Max 0.75 page**]

- how the national data service contributes to open sharing and reusability of research outputs. [**Max 0.25 page**]

→ Submit your **proposal** as a **PDF file** (font size 12 pt) to this email: dsn-eb@scilifelab.se

→ Deadline for submission: **Sunday, September 22, 2024 at midnight CET**

Feel free to contact the DSN-EB team via email: dsn-eb@scilifelab.se to discuss your ideas, or for a preliminary assessment of proposal feasibility.