



Working on genomes of European species? Interested in joining a vibrant BioGenomes Community? **Join ERGA!**

What is ERGA?

ERGA, the regional node of the Earth BioGenome Project (EBP), is a pan-European consortium committed to cataloguing European eukaryotic biodiversity through the generation of high-quality reference genomes.

Our Mission

- 1 Generate reference genome assemblies of European eukaryotic species across the tree of life, including threatened, endemic, and keystone species, as well as species important to agriculture, fisheries, pests, and to ecosystem function and stability;
- 2 Build a distributed genomic infrastructure across the continent that addresses imbalances in resource availability and country representation. (Fig. 1)

Our Community

We are a bottom-up initiative based on people, consisting of hundreds of researchers across Europe and beyond. The main bodies that compose ERGA are:

1. The Council and executive board
2. Science and Science+ Committees

Our Committees are open and all members are welcome to join the monthly meetings!



Fig 2. ERGA Principles. FAIR Principles: Findability, Accessibility, Interoperability, and Reuse of digital assets.

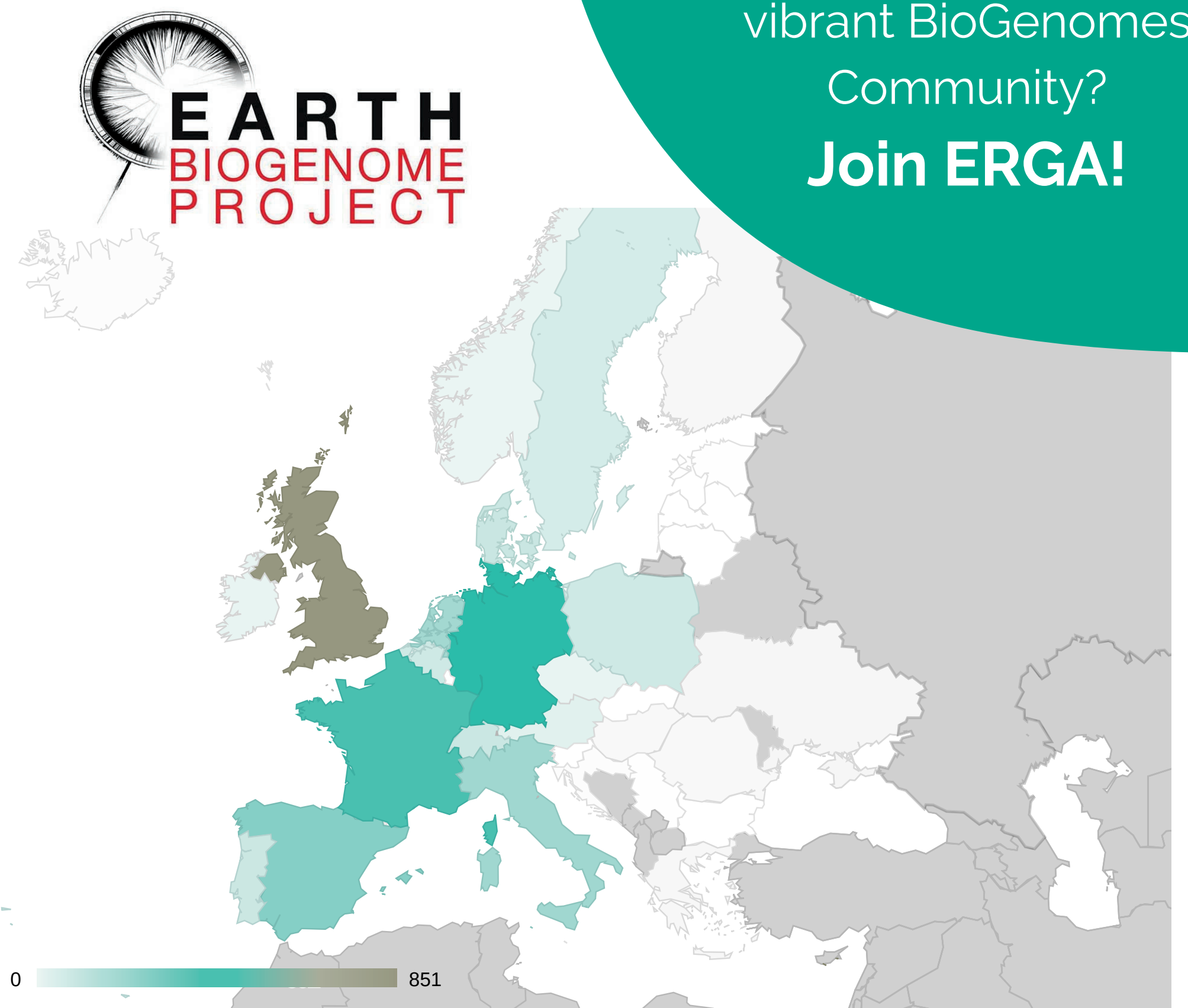


Fig 1. The number of species per ERGA-affiliated country with scaffold-level assemblies in INSDC. Geographic location was taken from the BioSample information of the earliest published assembly for each eukaryotic species on NCBI. Date accessed: 30.03.2023. Compiled by Tom Brown.

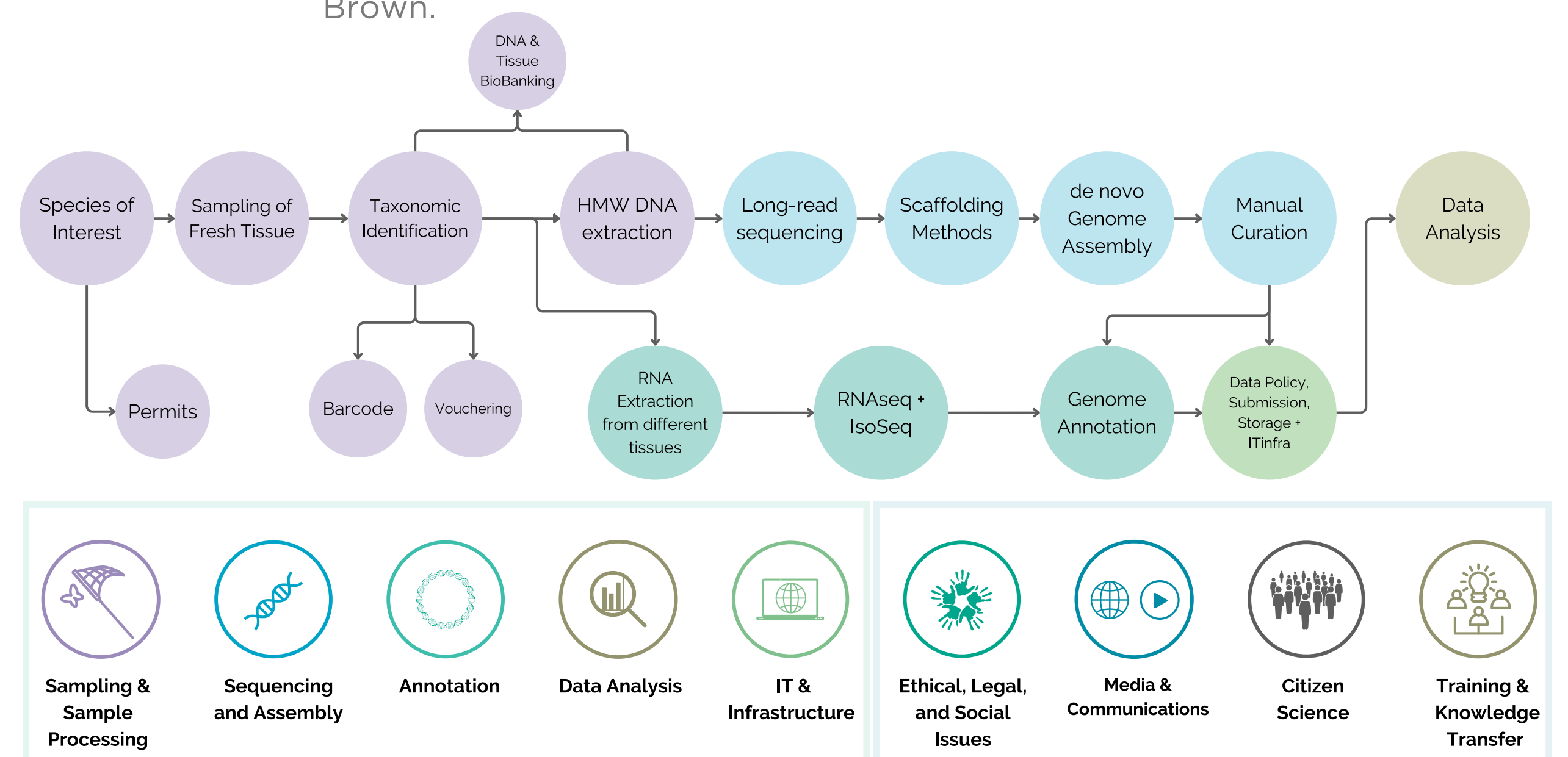
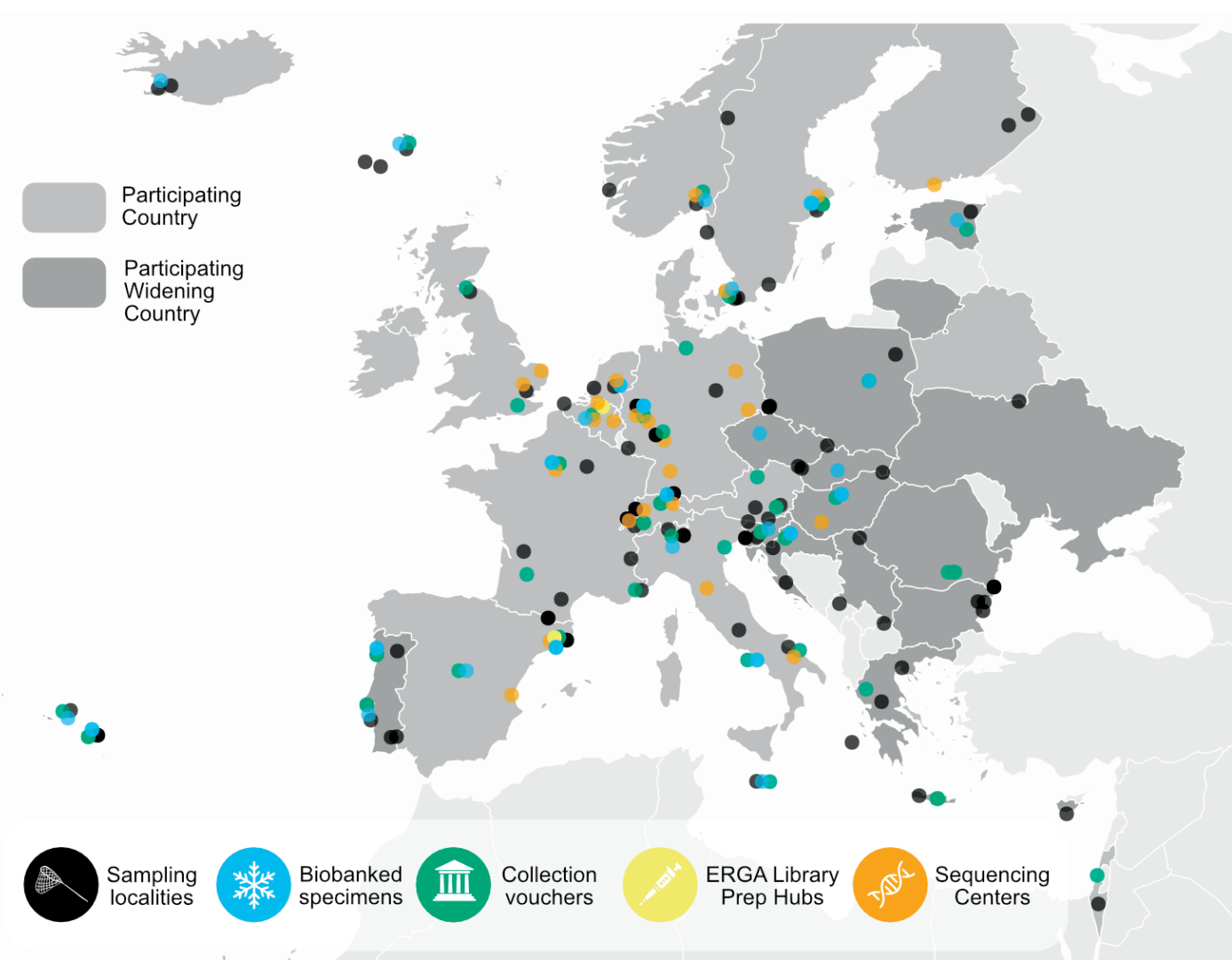


Fig 3. Schematic overview of the genome production workflow & the 9 ERGA Science and Science+ Committee.

ERGA Projects

ERGA Pilot

The Pilot Project was launched to demonstrate the feasibility of continent-wide collaboration. It was established, funded, and driven entirely by its members.



www.erga-biodiversity.eu/pilot-project

BGE Project



ERGA has recently been funded as part of the Biodiversity Genomics Europe project through the European Union's Horizon Europe Research and Innovation Action.

Which European species should be sequenced next?

Open call for species nomination & sampling!



biodiversitygenomics.eu | @BioGenEurope

Join the growing family of ERGA Satellite Genomes!

Are you planning or developing a reference genome project of a European species?

Our Guidelines & SOPs can help you each step of the way:

- Grant Writing & Early Planning
- Sampling Strategy
- Sample Processing & DNA extraction
- Library Preparation
- Genome Assembly
- Data Analysis & Submission

