



Institut
d'Estudis
Catalans



Societat Catalana
de **BIOLOGIA**



First call for genome assemblies for eukaryotic species within the Catalan territories

Introduction

A planet-wide effort is required to reverse or to control the impact of human activity on the biosphere and to maintain biodiversity. The aim of the Earth Biogenome Project (EBP) is to obtain the sequence of the genome of all species (eukaryotes) that inhabit the Earth. This sequence constitutes the genetic substrate of biodiversity. This project will also contribute to the understanding of biology, ecology and evolution and will facilitate advances in agriculture, medicine and life-based industries. The EBP must engage societies and people from all over the world, who hold the knowledge accumulated over generations of the natural environment in which they live. The SCB/IEC/ICHN seeks to contribute to this initiative by leading the project to sequence the genomes of all eukaryotic species found in the Catalan Countries.

The SCB is thus launching a call to fund a few pilot genome sequencing projects. Each project may receive funding up to 10.000€, which can be devoted to fieldwork, cataloguing, genome sequencing, assembly and annotation. All eukaryotic species found in the Catalan Countries are regarded, but priority may be given to endemic or endangered species, or to species of particular interest from a scientific (taxonomic position) or applied (agricultural, biotechnology) standpoint.

The outcome of this project has to be the genome assembly, which in general and with the only exception of unusual genomes, has to comply with the standards of EBP or its affiliated projects.

How to apply and deadline for applications

One-page long applications (minimum font size 10) must be written in English and sent to:

scb@iec.cat before **July 25th, 2020 at 12pm.**

Format is free but applications must be brief and structured in three parts:

Part 1) Description of the team and main achievements, including up to three relevant publications.

Part 2) Justification of the species of interest.

Part 3) Description of the methodologies and plan to assemble the genome, and funding requested. If the project is going to be co-funded with other sources, please specify the sources and the amount of co-funding.

Evaluation

An international team of researchers will evaluate the applications and together with the president of SCB, the president of IEC and the president of ICHN will give priorities to projects that are technically viable and align better with the diversity and the global priorities of the Catalan contribution to the EBP.

Report

The projects funded are expected to deliver an economic and scientific report (format free) within a year of the resolution of the grant. The genome assembly and the raw data must be deposited in public databases.