

A EOSC Demonstrator Project: Marine Eukaryote Genomics Portal

We will undertake the implementation of a genome annotation platform that will provide community access to tools and data-flows for marine genome annotation. The platform is designed to address the fragmented research landscape for genome annotation of marine organisms. We propose a portal to marine genomic resources and a community driven annotation platform for marine eukaryotes which would provide a focus for post-assembly genomic workflows and data access and complement access services such as EMBRIC Configurator, ELIXIR ontologies, and meta-data standards. Together these resources would expose the workflow from genome data collection to publication using open access and FAIR compliant standards and procedures. Although taxon agnostic, initially the platform will focus on pelagic fishes (the closely related Sardinha and Alosa) and the use primarily of comparative methods of gene prediction and validation.

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Track Classification: Development of applications for supporting User Communities in the context of the EOSC.