ICES International Council for the Exploration of the Sea
CIEM Conseil International pour l'Exploration de la Mer

WGAGFA

Working Group on Application of Genetics in Fisheries and Aquaculture

Data Science and Technology Steering Group (DSTSG)

RESEARCH FOCUS

- Understanding genetic diversity, connectivity, evolutionary history and species interactions to support **ecosystem-based fisheries and aquaculture management.**
- Studying marine ecosystems from genes to species, populations, and communities to **support biodiversity conservation and preservation.**
- Understanding genetic adaptation and responses to changing environmental conditions to support **climate change forecasting.**

OUR OBJECTIVE

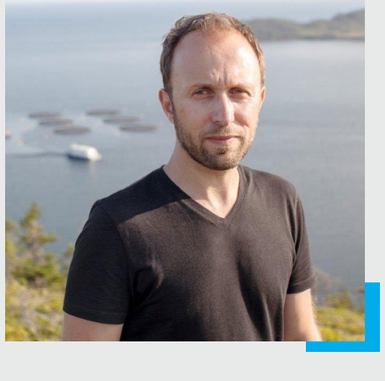
We explore **cutting-edge genomic advancements** and facilitate **the integration of well-established genetic methods** to enhance fisheries and aquaculture management.
Our group generates **new genetic knowledge** to better understand ecosystems, so that we can forecast climate change impacts and foster conservation efforts.

OUR EXPERTISE

Applying a wide range of genetic concepts and techniques to better understand marine ecosystems and their resources, including metagenomics, population genetics, eco-evolutionary genomics, quantitative genetics, and genotype-environment/trait associations. Contributes to knowledge transfer to the ICES community through leaflets, training courses and publications.

OUR CHAIRS

Naiara Rodríguez-Ezpeleta



Ian R. Bradbury

Scan and learn more about our work