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

WGFAST

Working Group on Fisheries Acoustics Science and Technology

Data Science and Technology Steering Group (DSTSG)

RESEARCH FOCUS

- Resources assessment and monitoring.
- Spectral signatures of organisms and their classification.
- Assessment of uncertainties from acoustics, optics and trawls estimates
- Mesopelagic zone, migrations and carbon sequestration by ocean
- Monitoring of industrialized sea areas
- New platforms to monitor ecosystems in hard-to-reach areas.
- Management of large datasets
- Encourage opportunity data

OUR OBJECTIVE

Development and application of science and technology to observe the marine environment.

Characterization of organisms, populations, ecosystems, habitat, and behaviour by means of acoustic methods and complementary tools.

OUR EXPERTISE

- Active acoustics technologies, narrow and wide bands, simple and multibeam.
- Marine organisms' scattering modelling.
- Combined approaches from acoustics, optics, environmental and biological sampling tools
- Data collection from a variety of mobile and stationary platforms.
- Development of shared data processing tools.
- New statistical approaches for "big data" processing (e.g. machine learning)

OUR CHAIR

Anne LEBOURGES-DHAUSSY

Scan the QR code to learn more about our work