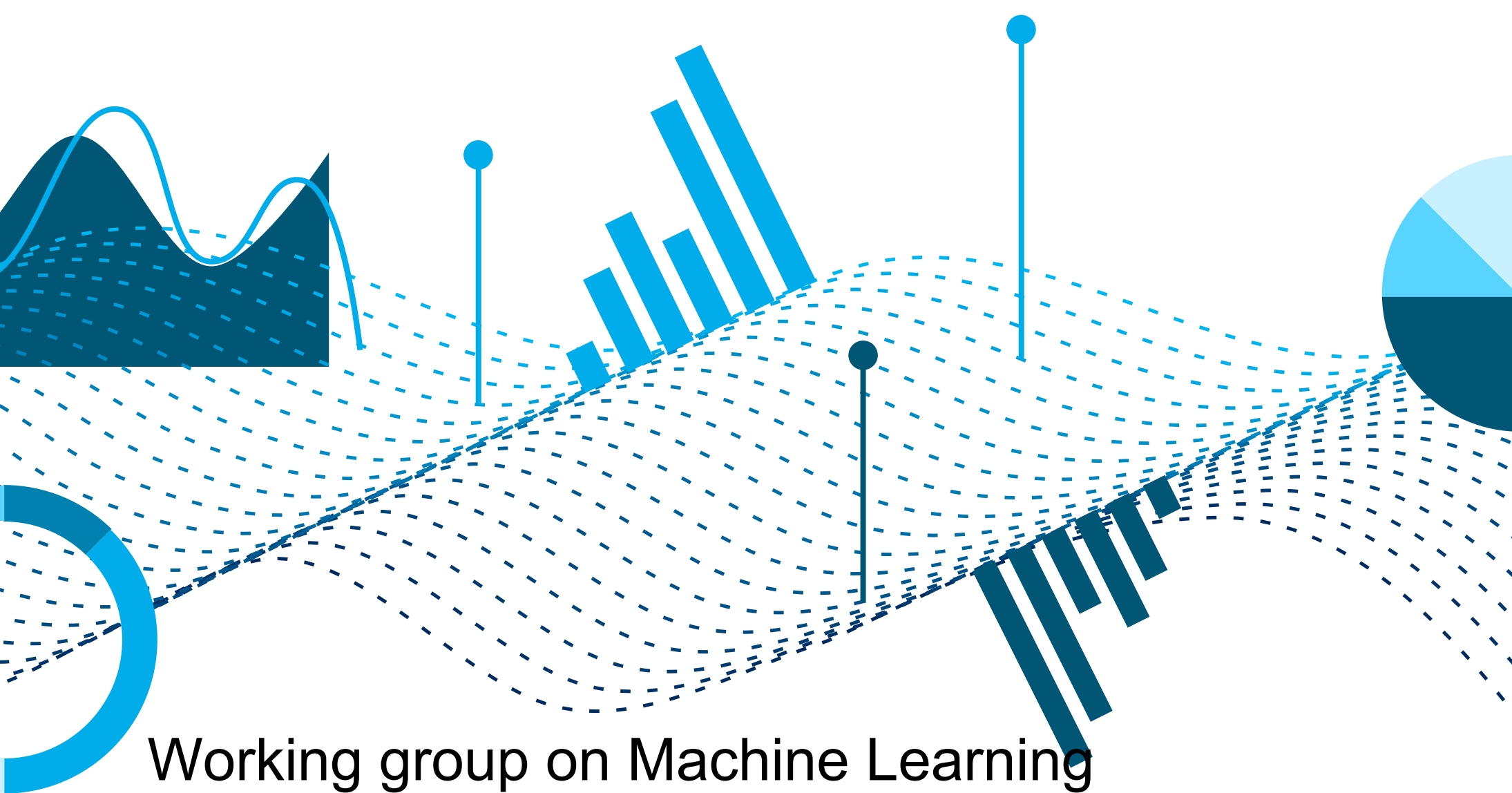


# WGMLEARN

## Working group on Machine Learning in Marine Science



Working group on Machine Learning  
in Marine Science (WGMLEARN)

## ACTIVITIES FOCUS

To help accelerate the processing of the massive volumes of data collected in marine science and provide better decision support tools, we aim to:

- Organize and develop shared resources such as a shared bibliography database, training materials, and code examples.
- Increase knowledge and build competence through newsletters, seminars, training courses and networking with other ICES WGs.
- Identify social and legal needs for trustworthiness development in AI for fisheries and marine sciences and propose development actions.

## OUR OBJECTIVES

- Review the current applications of machine learning (ML) in marine sciences
- Identify challenges, trends and needs including social and legal aspects
- Promote the use of ML in marine science
- Index and develop ML resources useful for marine sciences
- Promote training and networking

## OUR EXPERTISE

- Image analysis, classification and deep learning
- Automatic analysis and classification of acoustic data
- Decision support systems based on Bayesian networks
- Genomics for species identification and traceability
- Operational forecasting of species recruitment and distribution
- Mapping of habitats, fleets and human activities and pressures
- Advice to industry, authorities and decision makers

## OUR CHAIRS



Laura Uusitalo



Jose A.  
Fernandes-  
Salvador



Scan and learn more  
about our work