## ScInObs: Sciences and Innovations for underwater Observatories





- Innovation for observatories operation in the next 10 years
  - Extend
    - Spatial coverage: vertical (water column) and horizontal directions
    - Number of observed parameters
    - Interoperability between infrastructures
  - Reduce
    - Operating costs (maintenance)
    - Environmental footprint
  - Increase
    - Capacity for in-situ decision-making (in-situ AI)
    - Capacity for sea-land communication
- 2 observation sites : Mayotte and Nouvelle-Calédonie / Technological developments to be shared between sites
- Site-specific Scientific topics
  - **Seamounts**: Benthic biodiversity (Inter/Intra-mounts variability), Bentho-(meso)pelagic coupling, Current-topography interactions, Connectivity...
  - Matthew&Hunter
  - Shore-offshore connections

Workshops: 2019: Franco-Japanese roadmap, Noumea Workshop; 2021: Ifremer ScInObs project, presentation of ScInObs to New Caledonia partners, virtual workshop













