Welcome in Western Britany!

- The « Blue Economy » : a key point for this territory!
  - more than 40000 jobs linked to the sea
  - Navy, Shipping, Shipyards, Fishery, Aquaculture, Marine energies, Tourism, Yachting ...
  - in a sustainable way!

- The Ocean : a day-to-day environment for many people
  - education, preservation, risks, health, recreational activities...
Marine Sciences and technologies

- **24 Research Units**
  - oceanography, geophysics, ecosystems, biodiversity, data sciences, spatial planning, economy, laws...

- **750 researchers**

- **200 doctoral students**

- **Institutions and Universities**
  - CNRS, Ifremer, IRD, SHOM, Museum, AFB...
  - UBO/IUEM, Sorbonne University, IMTA, ENSTA...

- **80 infrastructures and scientific platforms**: 
  - Observation systems, offshore experimentation, controlled environment experimentation (wind and waves...), computing facilities, ...
  - (5 with a national label)

- **more than 30 innovative SME’s**: 
  - instrumentation, models, data processing...
Ifremer
Exploring, understanding and predicting the ocean

5 CENTRES
ON 3 OCEANS
19 AFFILIATED COASTAL STATIONS

WORKFORCE OF 1500 PEOPLE
INCLUDING 600 ENGINEERS & RESEARCHERS

11 VESSELS
INCLUDING 6 IFREMER SHIPS
+ 1 MANNED SUBMERSIBLE
+ 2 REMOTELY OPERATED VEHICLES
+ 2 AUTONOMOUS UNDERWATER VEHICLES
run and operated by the French Oceanographic Fleet

Research areas

Marine and Digital Infrastructures
Biological Resources and Environment
Oceanography and Ecosystem Dynamics
Physical Resources and Deep-Sea Ecosystems

also acting for several international observation infrastructures: ARGO, EMSO, JERICO...
SISMER
Data management at Ifremer

➢ **Team**
  o 55 staff (38 permanent positions)
  o data managers, software developers, computer engineers
  o with strong links with scientists and observatory PI’s

➢ **Computing facilities**
  o A HPC cluster (12000 cores) for data processing and modelling
  o 15 PetaBytes storage (inc. 5PB per year)

➢ **Managed data**
  o oceanography, geophysics, coastal and deep ecosystems, fishery
  o satellite and in-situ datasets
  o From the coast to the deep sea

➢ **Quality**
  o Certified ISO 9001
  o Accredited NODC by IODE-XXIV
  o Ongoing RDA-ICSU certification « Core Trust Seal »
A strong ambition: develop cooperation

- Ocean too large and too expensive to be observed alone!
- Sharing marine data is a necessity
- Aggregating marine data sets of reference for Europe
  - Global and regional scales
  - Climate change and evolving ecosystems

- An evolving context for research data management
  - Application of the FAIR Principles
  - European Open Science Cloud (EOSC) & associated projects
  - Research Data Alliance

That's why SeaDataNet & SeaDataCloud are so important!
  - To establish the guidelines and the services ourselves
  - To better fit with the community needs: PI’s, data managers, data users
  - In close relationships with Copernicus Marine Services and EMODnet

We will find solutions to continue after SeaDataCloud!
A VERY FRUITFUL MEETING
A PLEASANT STAY IN BREST