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## Introduction to the eLTSER platform Zone Atelier Brest-Iroise

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# The LTSER site "Zone Atelier Brest-Iroise"

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Tuesday, April 26, 2022, PNBI, IUEM



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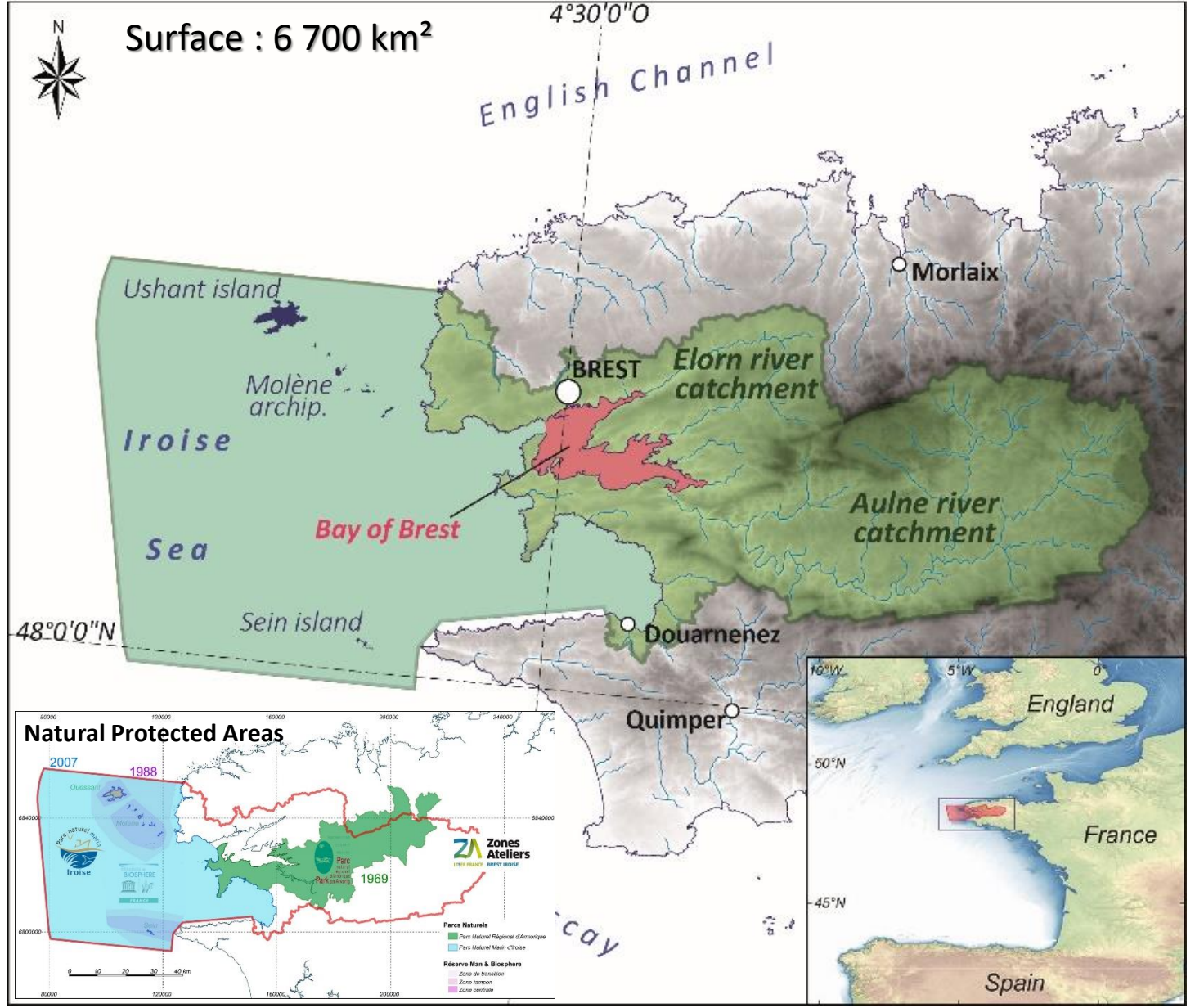
# The LTSER site "Zone Atelier Brest-Iroise"



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LTSER FRANCE BREST IROISE





# The LTSER site "Zone Atelier Brest-Iroise"



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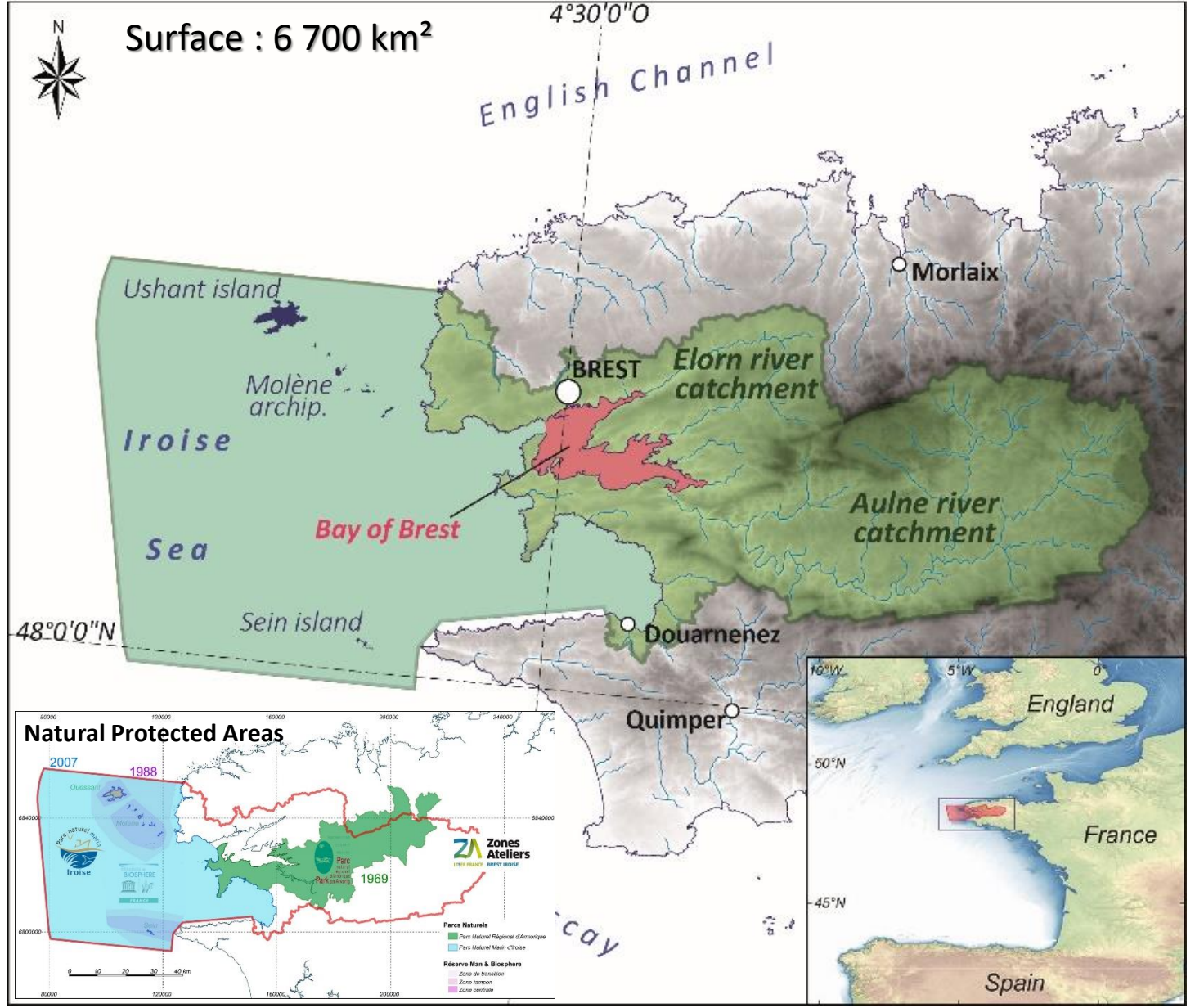
LTSER FRANCE BREST IROISE

## Geographical scope



**BONNES VACANCES**  
L'élevage industriel des porcs et les engrais génèrent des algues vertes. Leur décomposition dégage un gaz mortel pour l'homme.

Agissez avec nous : [www.fne.asso.fr](http://www.fne.asso.fr)





# The LTSER site "Zone Atelier Brest-Iroise"

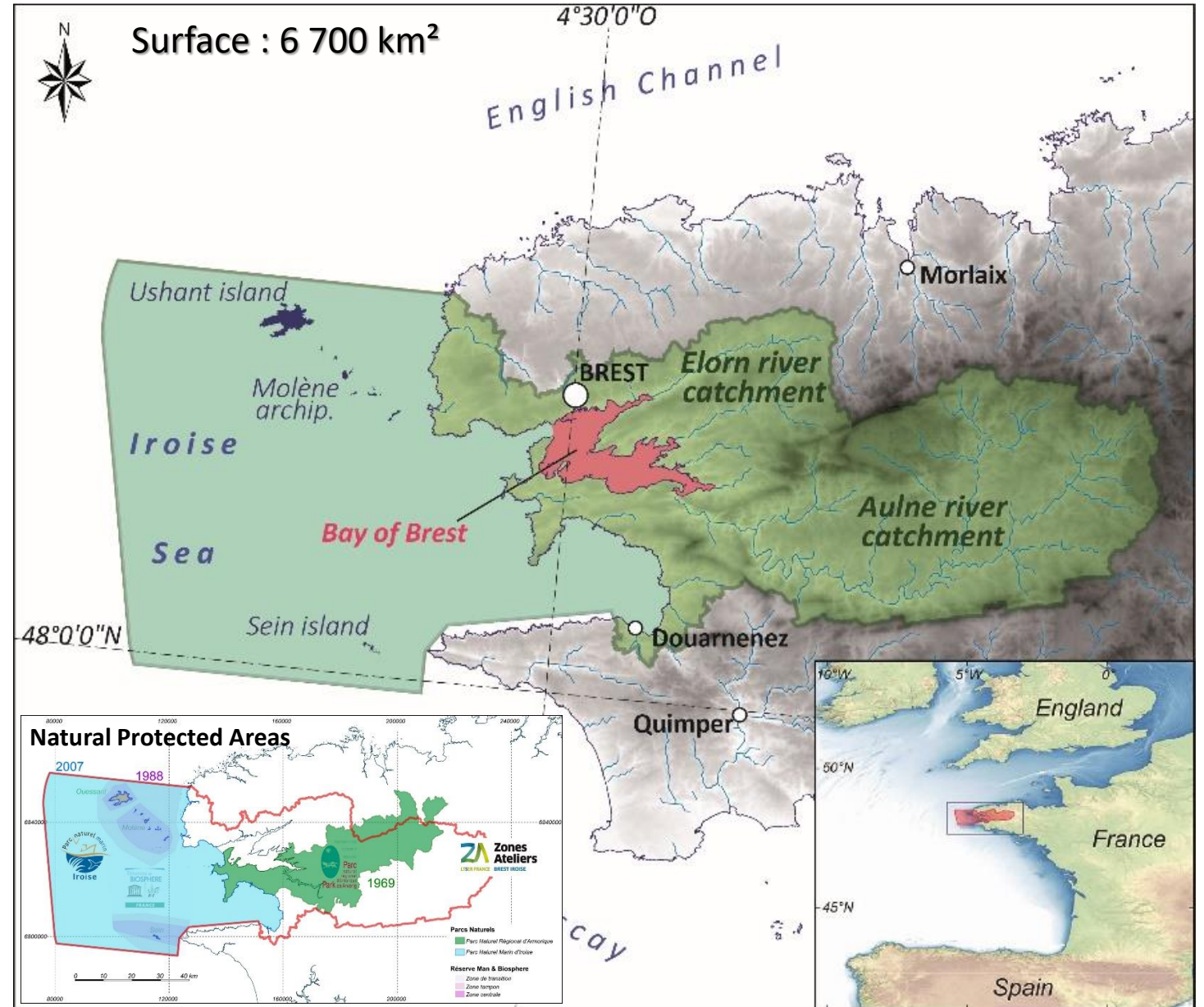
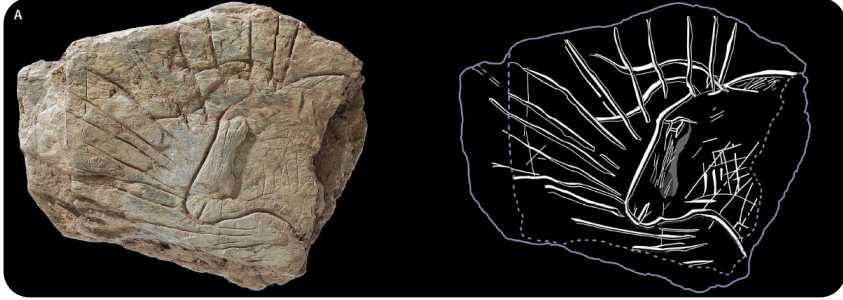


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## Geographical scope





# 4 scientific topics



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Zones Ateliers  
LITÉR FRANCE BREST IROISE



## Topic 1: Vulnerability and coastal risks



A. Hénaff  
LETG



N. Le Dantec  
LGO



V. Ducros  
CD29



## Topic 2: Water quality and biodiversity along the land-sea continuum



M. Raimonet  
LEMAR



N. Rey  
EPAGA - Aulne



E. Regnier  
AMURE



## Topic 3 : Sustainability - conservation, restoration, exploitation, uses



A. Blanchet  
Ifremer



S. Pouvreau  
Ifremer



A. Larzilière  
PNRA-Natura 2000



## Topic 4 : Long-term trajectories of socio-ecosystems



A. Ehrhold  
Ifremer



Y. Pailler  
LETG / INRAP



R. Burgaud  
CD29





## Axe 1: Modelling and methodologies for inter- and transdisciplinarity



M. Marzloff  
Ifremer



A. Pomade  
AMURE



## Axe 2: Data sharing and dissemination



C. Tissot  
LETG



L. Brigand  
LETG



## Axe 3 : Communication



A. Penaud  
LGO

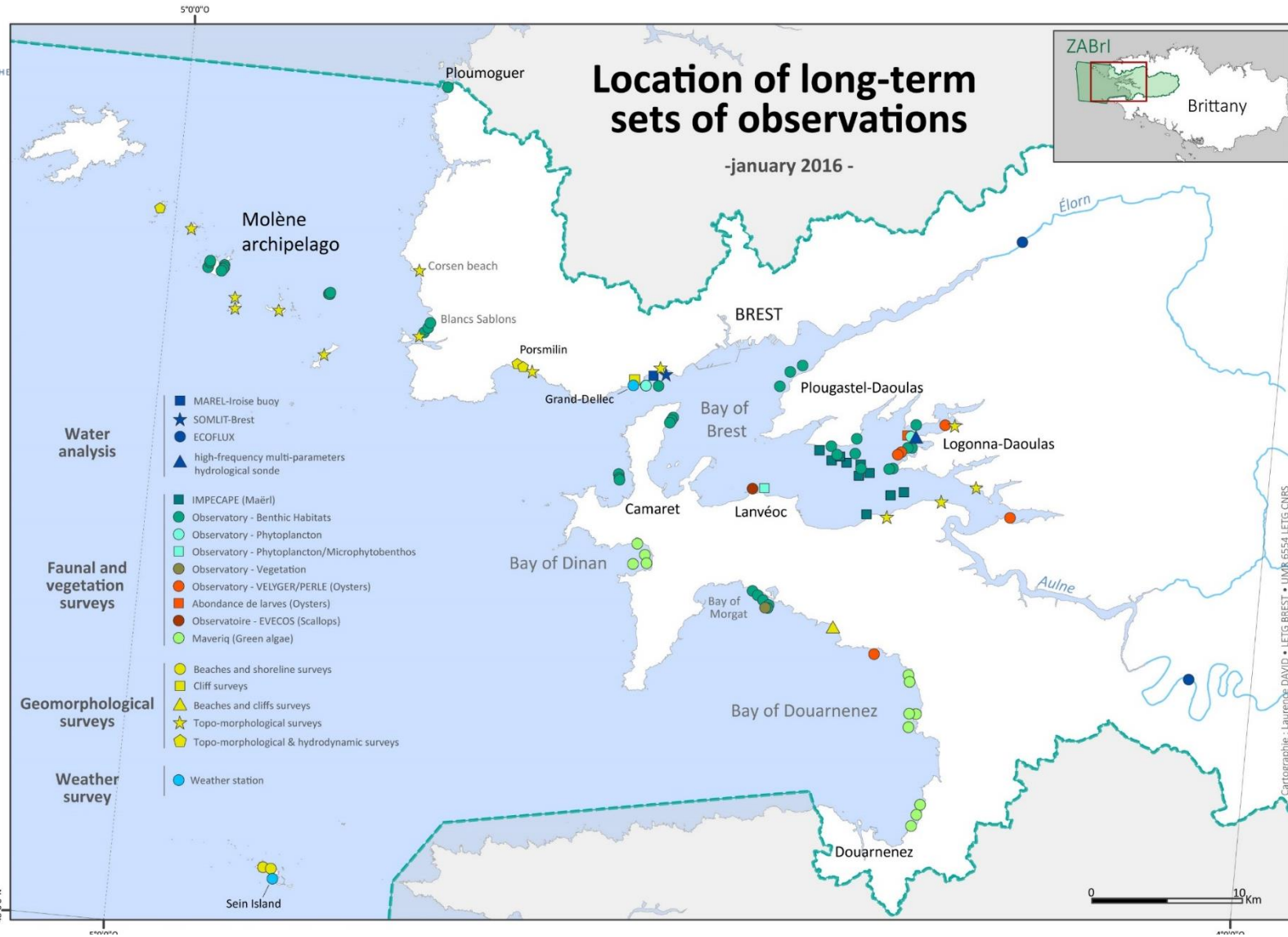


C. Liret  
Oceanopolis





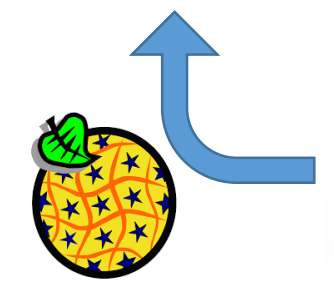
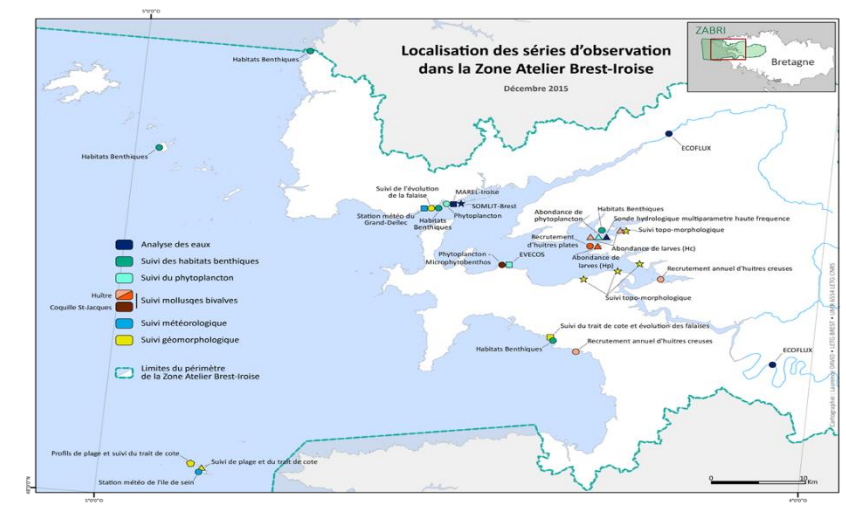
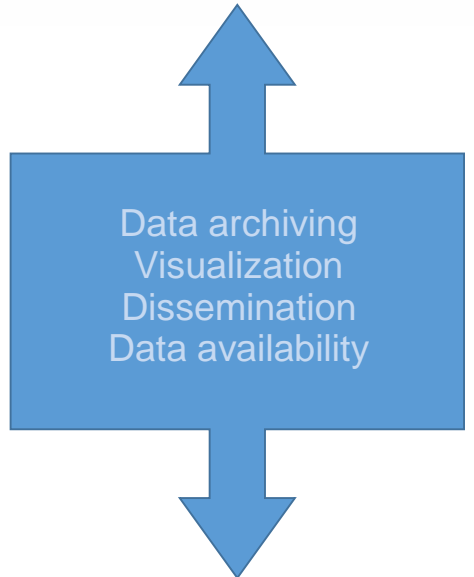
# Observations







**Spatial Data Infrastructure  
for Data & metadata  
FAIR policy**





## Research laboratories

### IUEM à Brest

- Lab. LEMAR (chemistry, biology, ecology)
- Lab. LETG (geography)
- Lab. AMURE (economy, law)
- Lab. LGO (geology)



### IFREMER-Brest

- Géosciences marines (geosciences)
- Dyneco (biology)
- Sciences et Technologies Halieutiques (biology)



### University of Brest (UBO)

- Lab. CRBC (archaeology, history, ethno.)
- Lab. LP3C (psychology)
- Lab. Géoarchitecture (environnemental sciences)



## The local environment

### Interdisciplinary graduate school ISblue

- IUEM, Ifremer
- Engineering schools
- Interdisciplinary training



### Campus Mondial de la Mer network

- Pôle Mer Bretagne
- Marine biotechnologies
- Materials, Big data...



### Other research networks

- Maritime history
- HomMer (use and governance of marine protected areas)
- CRESEB (cooperation between water managers and scientists)





## Natural protected areas

- PNRA
- PNMI
- RNR

## Local authorities

- Brittany region, department
- City of Brest
- Community of municipalities

## Associations and NGO

- REEB
- Bretagne Vivante
- Eaux et Rivières de Bretagne
- Association des îles du Ponant

## Professional groups representing:

- fishermen
- Shellfish farmers
- Farmers
- ...

## Scientific mediation

- Oceanopolis marinarium
- 70.8 ...

## Watershed managers

- Elorn river
- Aulne river
- Bay of Douarnenez

## Others stakeholders:

- Rescue archaeology (INRAP)
- Service Départemental d'Archéologie
- Conservatoire du littoral



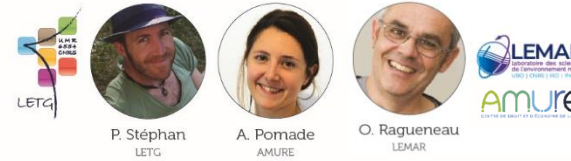
COMITÉ DÉPARTEMENTAL  
DES PÊCHES MARITIMES ET DES ÉLEVAGES MARINS  
DU FINISTÈRE



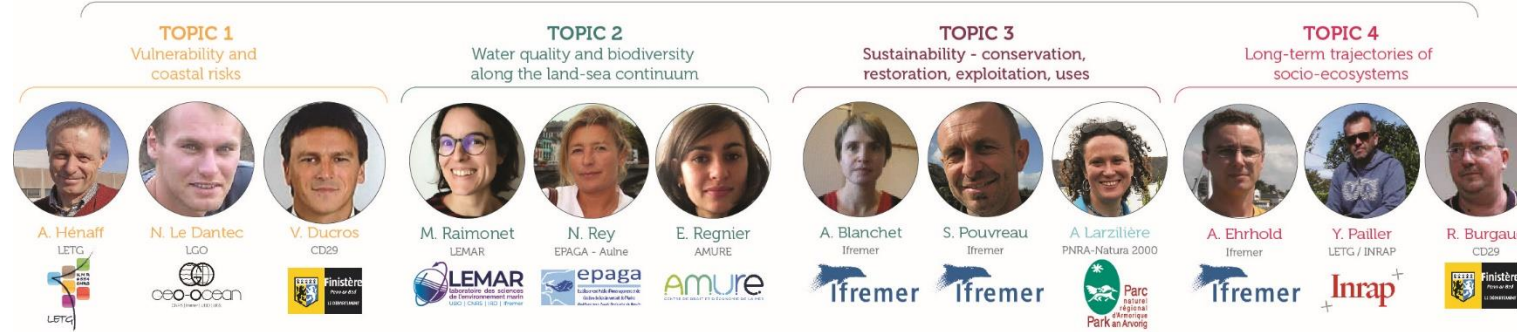


a pilot committee composed of scientists and stackholders

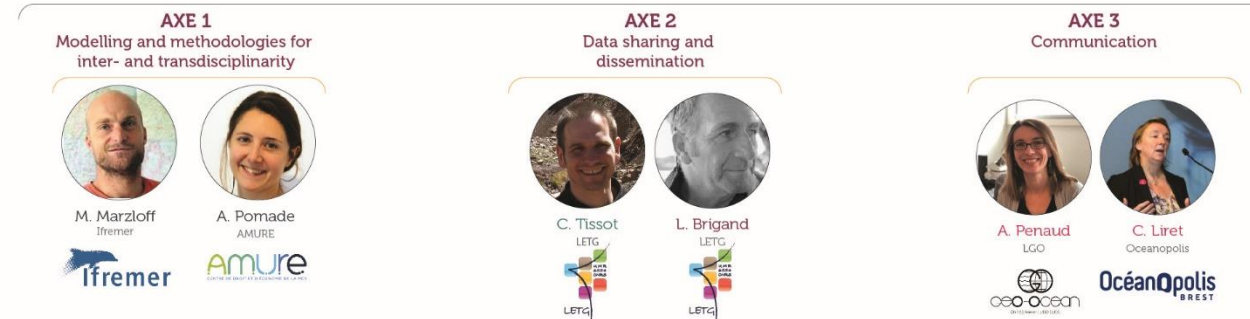
## Coordination



## Animation of scientific topics



## Animation of transversal axes



## Other people involved in governance

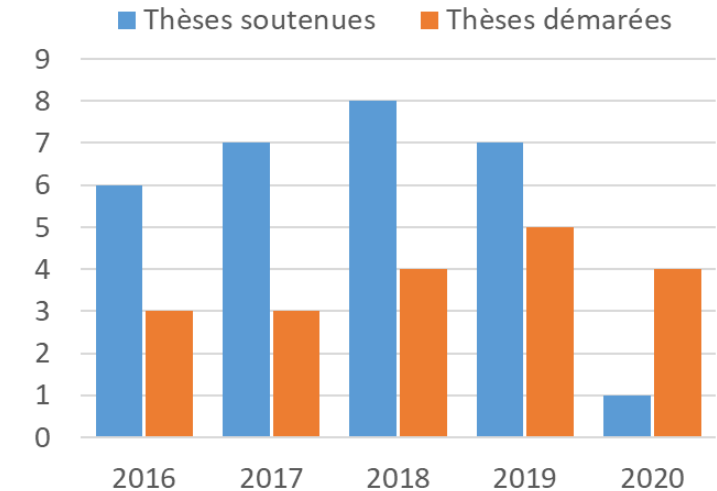
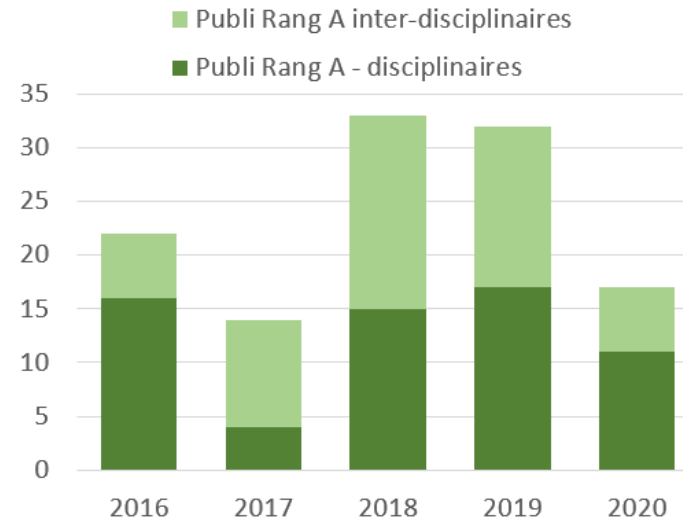


- 3-4 meetings/a
- Define scientific strategy
- Annual congress organization
- Call for proposals



## Publications & PhD

Papers in international journals ( $\approx 20-30$  /a)  
6 doctoral theses defended each year



## Flagship projects



Integrated coastal risk observatory



Impact of toxic microalgae blooms on shellfish resources



Economic and human development in the islands



Resilience of past societies to environmental crises





Thanks for your attention !