« **G**eo-**I**nformation for the sea and the coast » working-group Outcomes and perspectives

*GT GIMeL« **G**éo-**I**nformations pour la **M**er **e**t le **L**ittoral »*

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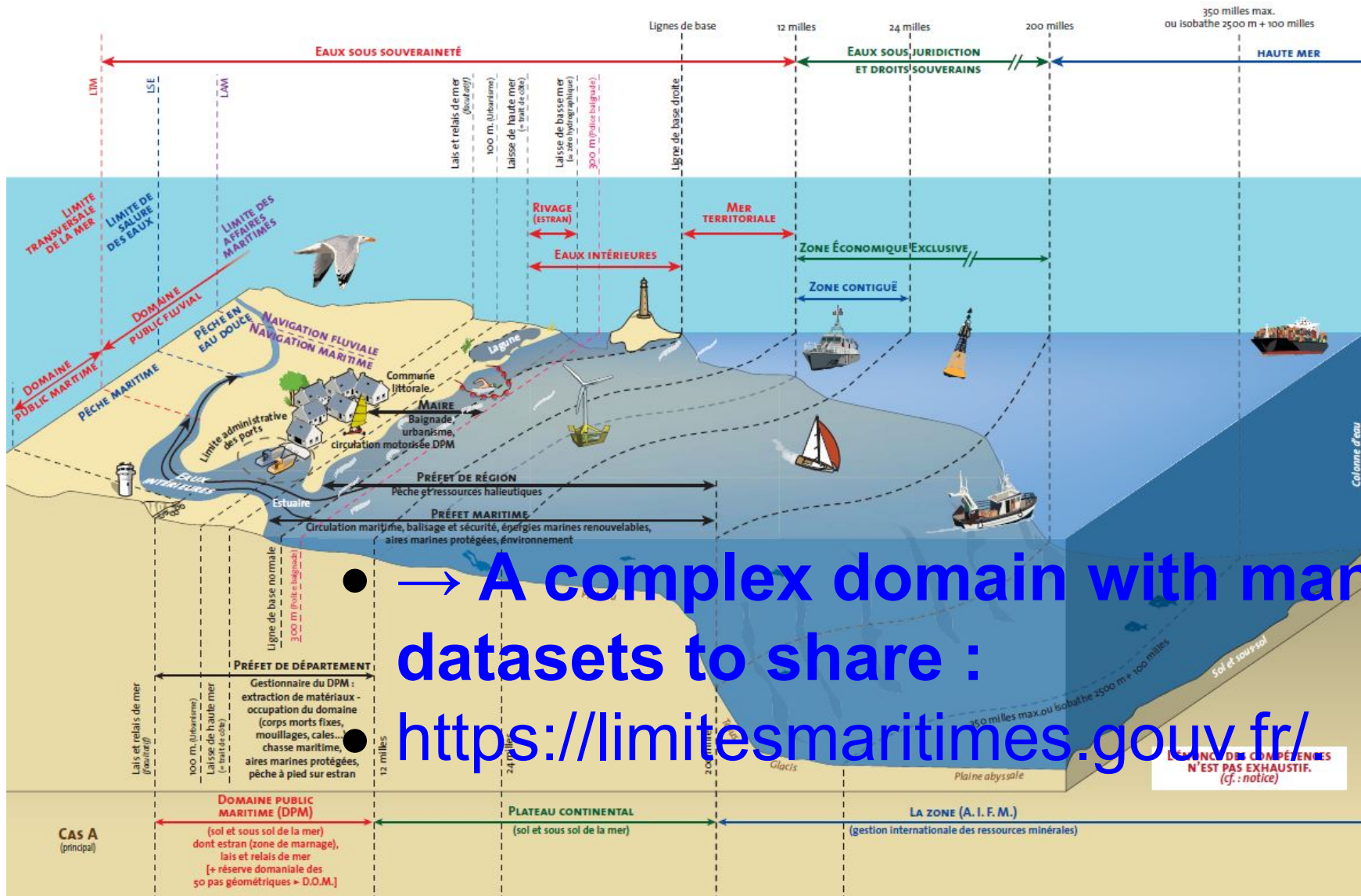**2018 September 18th – INSPIRE Conference**

Agenda

- Working group features
- Core reference datasets & regulatory datasets
- Sea grid reference system
- Coast line (to be presented during another timeslot today)
- Shore Orthophotography
- Perspectives

Working group features

- WG Launched in 2016 (previous WG 2011 – 2015)

- Goals :
- - Identify core reference data sets in order to support public policies
- - Set up modalities to create and keep up to date these datasets

- Numerous involved stake-holders (20 to 30 people from local authorities, State at different levels, and public bodies)

- CNIG legitimicy and State support (CEREMA : a public body funded to manage the WG)

Core reference and/or regulatory datasets

- Inventory existing datasets and datasets to create in order to support public policies
- Mainly 3 types of datasets : juridictionnal boundaries, ecosystems datasets (pressures, uses…), reporting to EU
- 100 core reference datasets, and among them 40 regulatory datasets
- Reliance links between datasets
- Priority rules for output
- Delivery : a full array with identified datasets and priorities

- → **A complex domain with many datasets to share :**
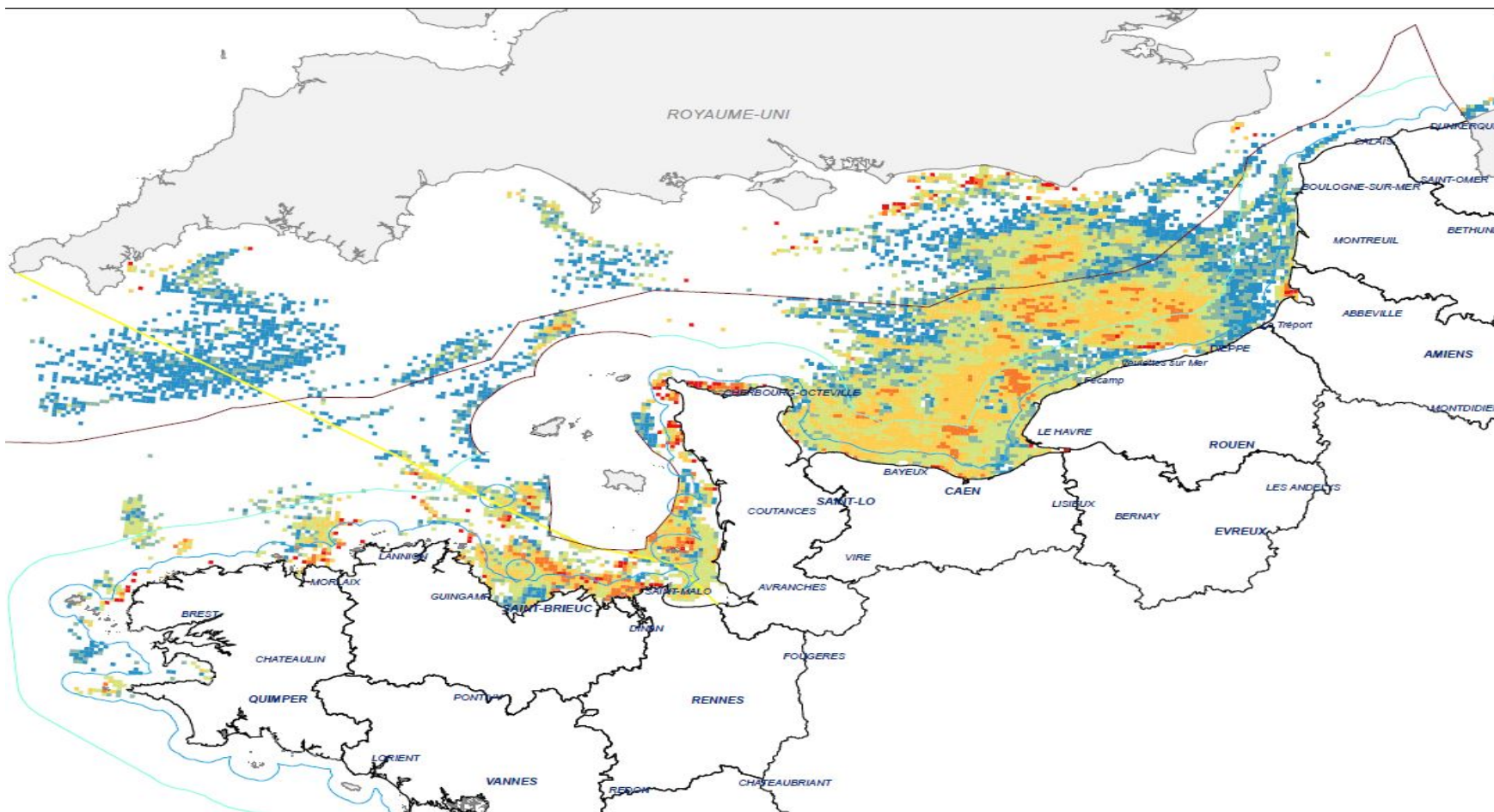- https://limitesmaritimes.gouv.fr/

Sea grid reference system

- Goal : continuous and regular grid on the sea domain to allow data analysis
- Production of a layer compliant with INSPIRE and existing sea grid (Food and Agriculture Organization, FAO UN)
- Grid layer of 1 degree minute per 1 degree minute, offshore mainland France, downloadable on :
  http://www.geolittoral.developpement-durable.gouv.fr/
- Presentation brochure featuring datasets
- Perspective : production of the sea grid, offshore overseas French lands

Sea grid reference system

- Scallop fishing areas by boat dredges
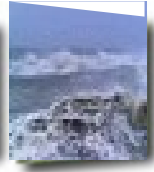
Shore Orthophotography

- First edition in 2000-2002 (Erika shipwreck), second in 2011-2014
- A 2017 survey targetting professional users to identify current uses and needs (267 answers)
- Finding : shore orthophotography is usefull in every public policy linked to the shore
- Technical review, led by public body CEREMA in 2018, eased to shape further the product specifications :
- - Get pictures at low tide, water height less than 1 meter
- - Cover all the Atlantic shore between belgian and spanish borders, especially : foreshore until isolated spits or barrier islands, estuaries, bays, ponds, dunes
- - Cover the seashore whose elevation is lower than 2m

→ **Monitoring aquaculture cadaster...**

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Shore Orthophotography

- Product specifications :
- - RGB (red Green Blue) and Colour-infrared images, 50cm ground pixel resolution
- - Reduce of cliff shades with fitting aircraft flight lines
- Geographical coverage and budget : around 31.000km^2 and a total budget between 600 and 700K€
- Downloadable in free access, under open data licence as edition 1 and 2 : http://www.geolittoral.developpement-durable.gouv.fr/
- Opportunities :
- - European fundings, European Maritime and Fisheries Fund (EMFF)
- - French mapping agency setting up an 2018 aircraft flight mission in French Guyana, possible extent of 5.000km^2 at a marginal cost
- First flight in spring 2019

→ **Identifying reefs, grass beds, posidonia meadows, seaweed beds...**

Perspectives

- Harbours boundaries :
- - Surveying users needs
- - Identitying existing datasets
- - Establishing advises to harmonise production of datasets...

- Sea fishing regulatory data :
- - Feasability Analysis of geolocating fishing rules
- - Functional analysis of available tools
- - Users needs and advises

Any questions?

"Geo-Information for the sea and the coast"

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