





## Onto-epistemologies: Ways of understanding and learning about the world around us

Technology    Identity    Norms    Personality    Practices    Infrastructure  
 Culture    Values    Goals    Attitudes    Needs    Hopes    Ideology  
 Geography    Politics    Desires    Anxieties    Discourses    History    Narratives

# Toward governance in motion

- The ocean is a dynamic space, but currently treated as static
  - Complex system: elements impact each other in unpredictable ways
  - What are the consequences of drawing imaginary boxes around mobile things?
  - Do current representations (maps, twins) reflect complex, dynamic reality?
- What can be done differently?
  - Alternative onto-epistemologies?
  - Complexity, dynamism, mobility, ...



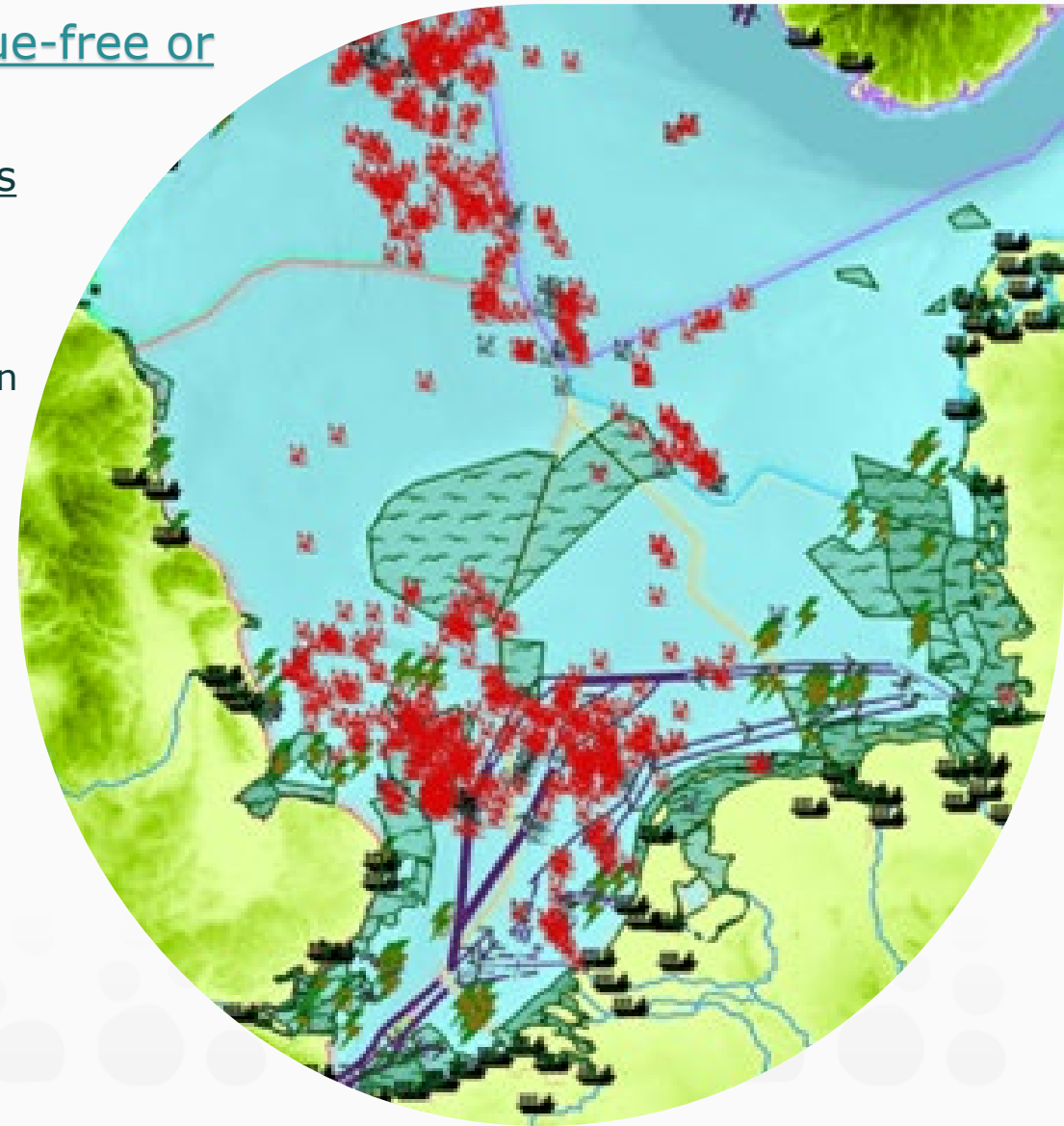
# Conceptual Framework & Methods

Science & Technology Studies (STS): Science is **not** value-free or objective.

- The digital twin & MSP serious game are epistemological tools
  - Arise from (and reinforce) a very specific ontology
    - If we don't decide what we want to use the tools for, the tools will decide for us.
  - OR ELSE project = twin & game present opportunity for reflection & co-design

## Methods

- Participatory
  - E.g. observation, systems mapping
- Qualitative
  - E.g. interviews, desk research, discourse analysis, policy analysis
  - Focus groups
    - Consortium members, local communities, fishing & small-scale industry, tourism operators, tourists, recreational users, etc.





# Thank you!

## Contact

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