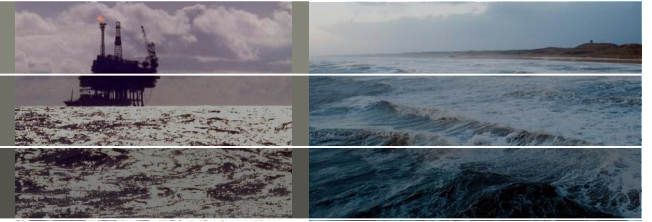




**JONSMOD 2010,
welcome to
Deltares**

how Deltares was formed



~ 825 fte

Delft / Utrecht



**knowledge centre
strategic and applied research
specialist advice
knowledge broker
delta 'thermometer'**



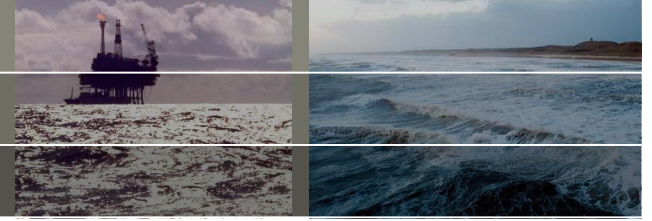
**50% task
50% market**

start: 01/01/08

legal status

**independent
foundation by law
not for profit sharing
partly government-subsidized**

Deltares

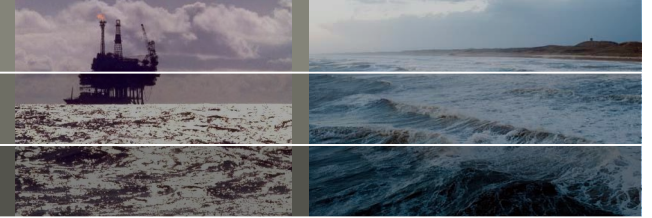


Enabling Delta Life

- **provide for technological breakthroughs and innovations to keep low-lying densely populated areas habitable**

⇒ **Delta technology**

deltas



water-abundant



valuable wetlands

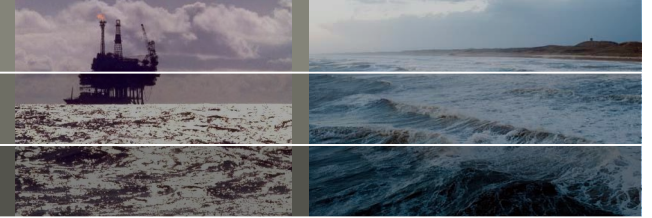


densely populated



flood-prone

... but also ...



sea-bordering



traffic & transportation

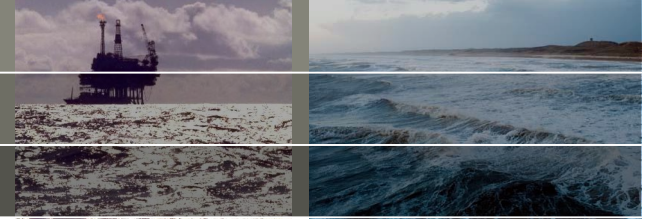


marine resources

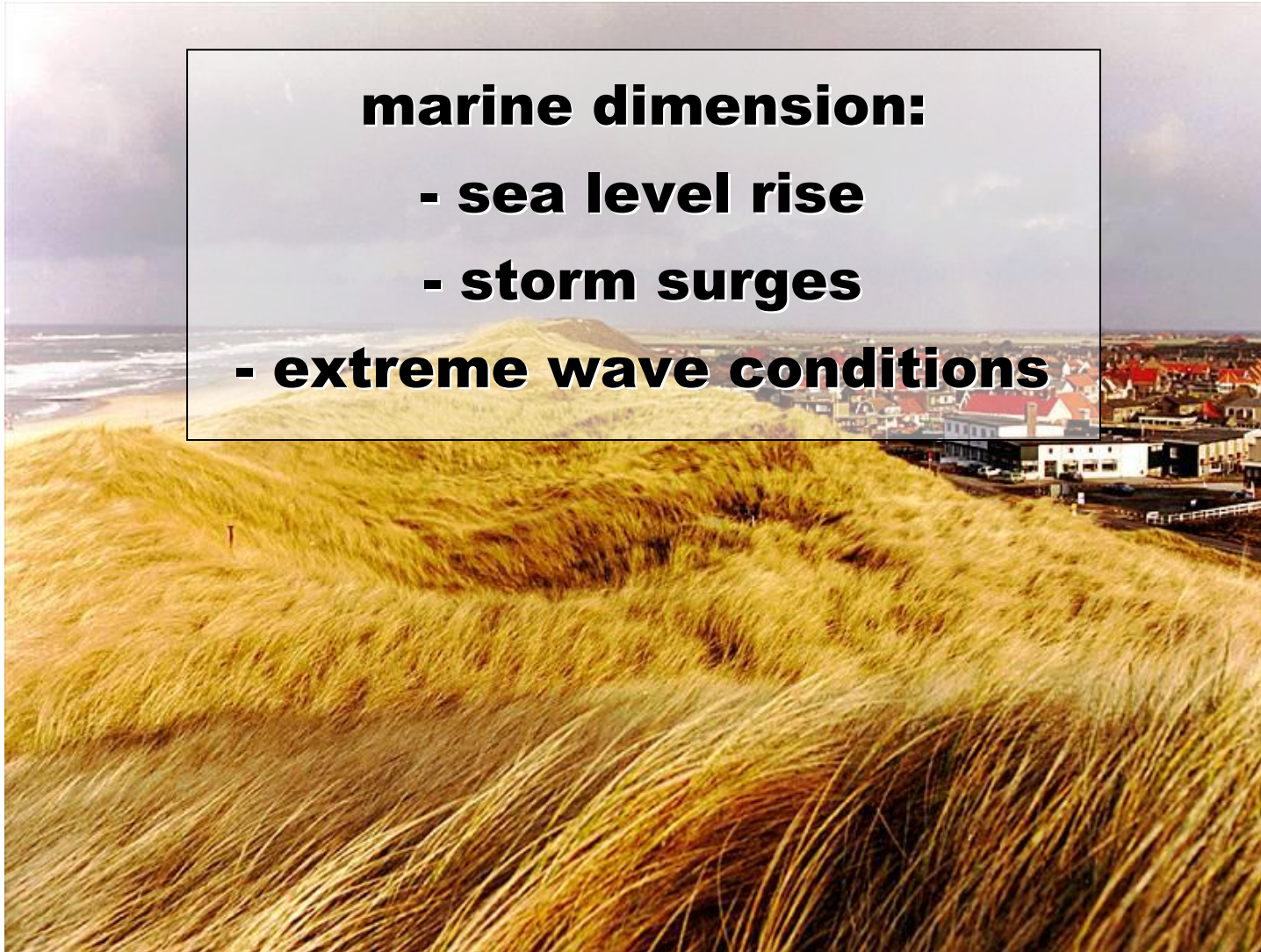


harvesting from the sea

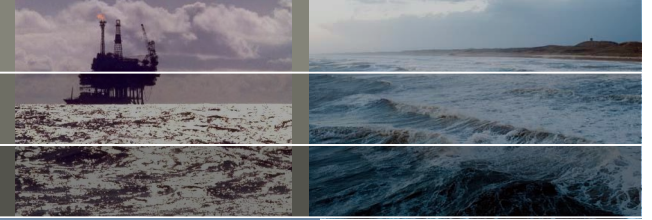
research theme 1: safety against flooding



- marine dimension:**
- **sea level rise**
 - **storm surges**
 - **extreme wave conditions**



**research theme 2:
healthy water and subsoil systems**

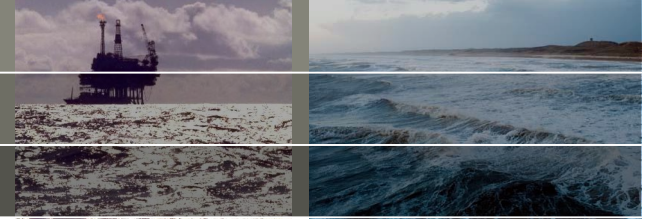


marine dimension:

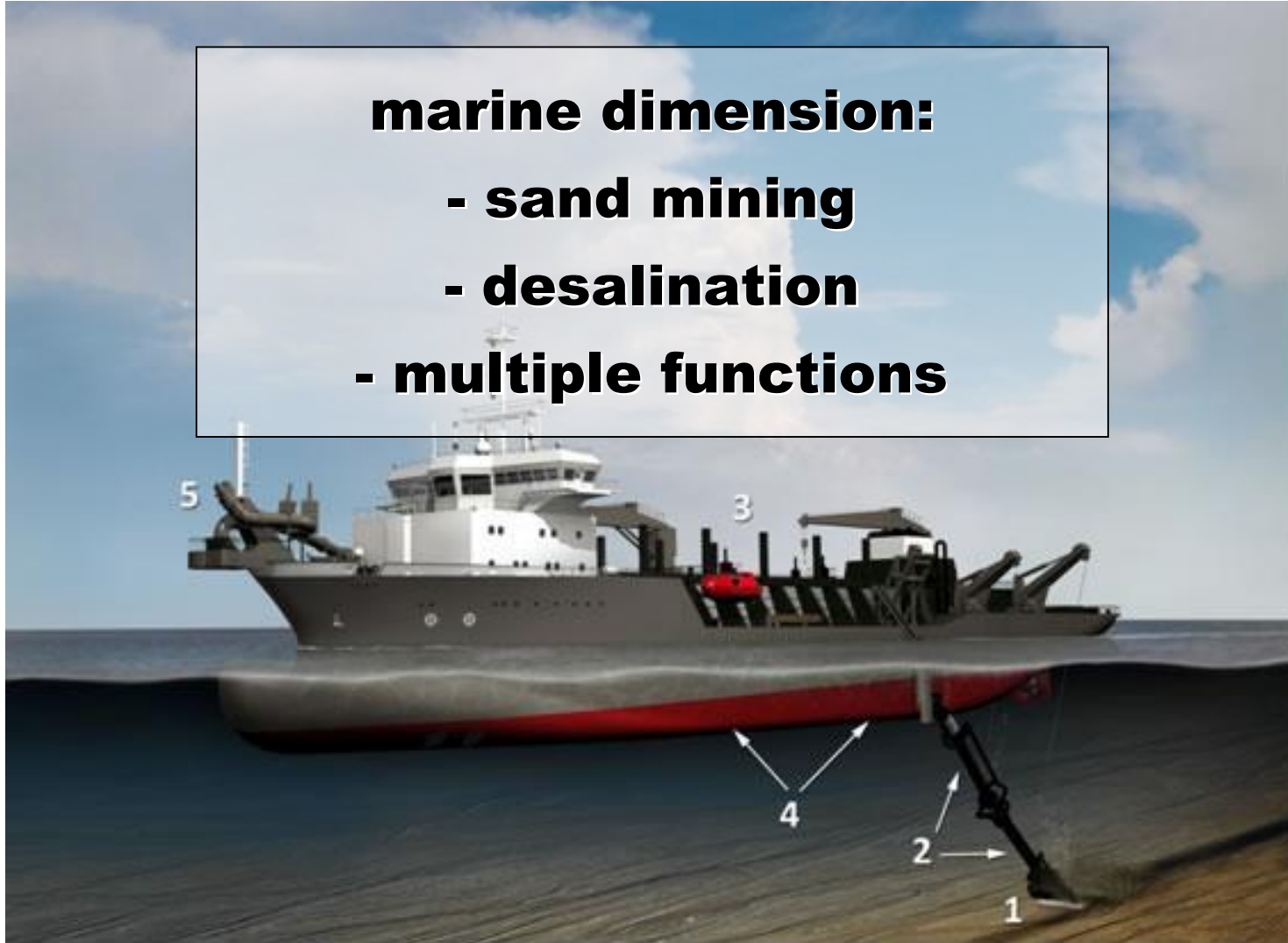
- **biodiversity**
- **productivity**
- **water quality**
- **algal blooms**



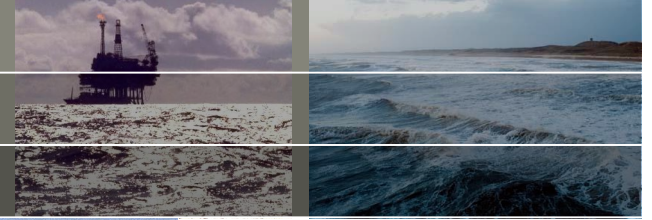
research theme 3: availability of water and subsoil



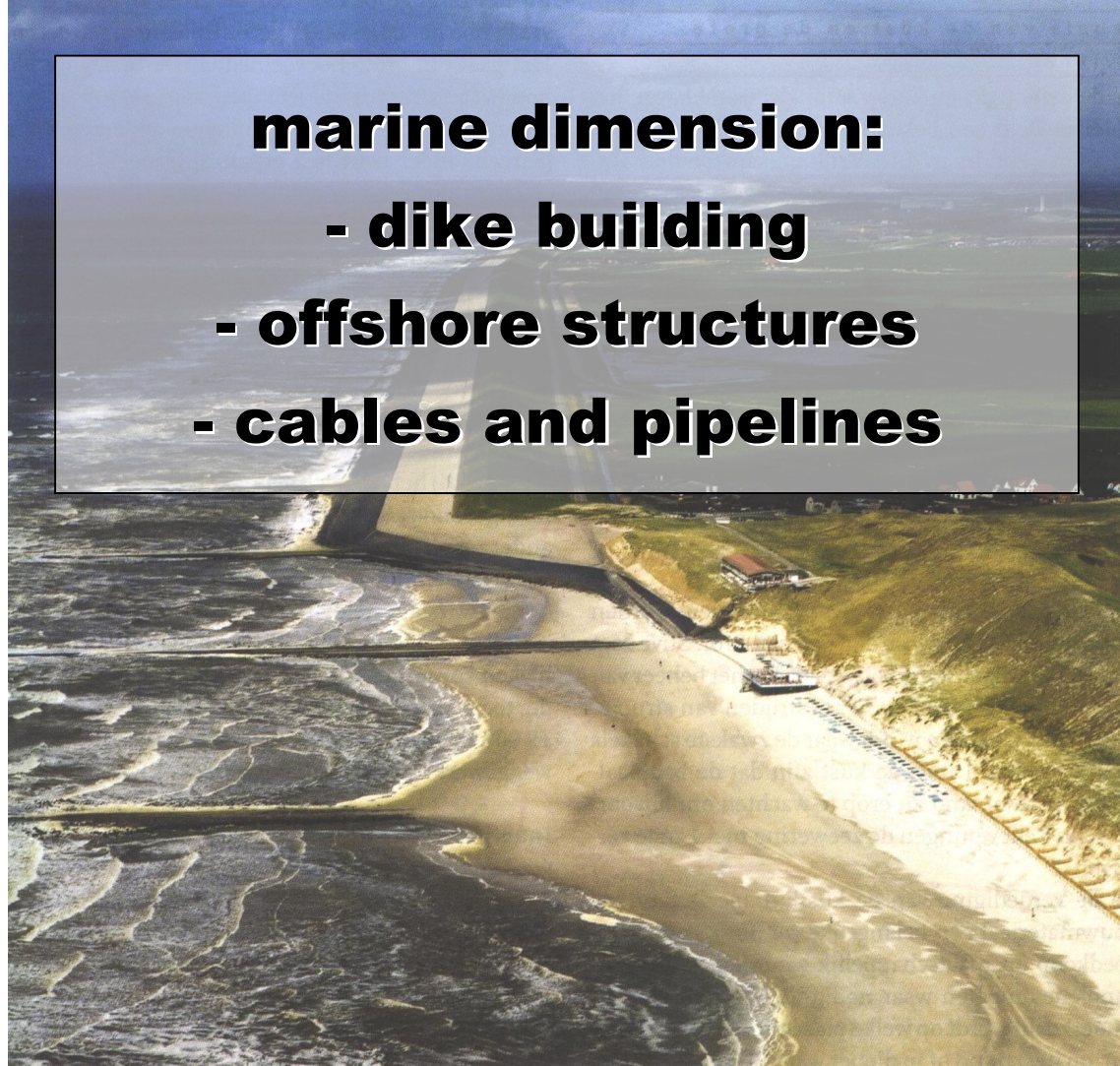
- marine dimension:**
- sand mining
 - desalination
 - multiple functions



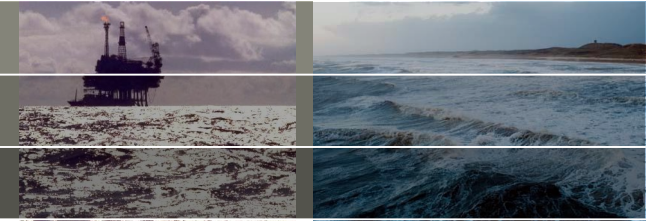
**research theme 4:
building on/in/under/with soft soil**



- marine dimension:**
- dike building**
 - offshore structures**
 - cables and pipelines**

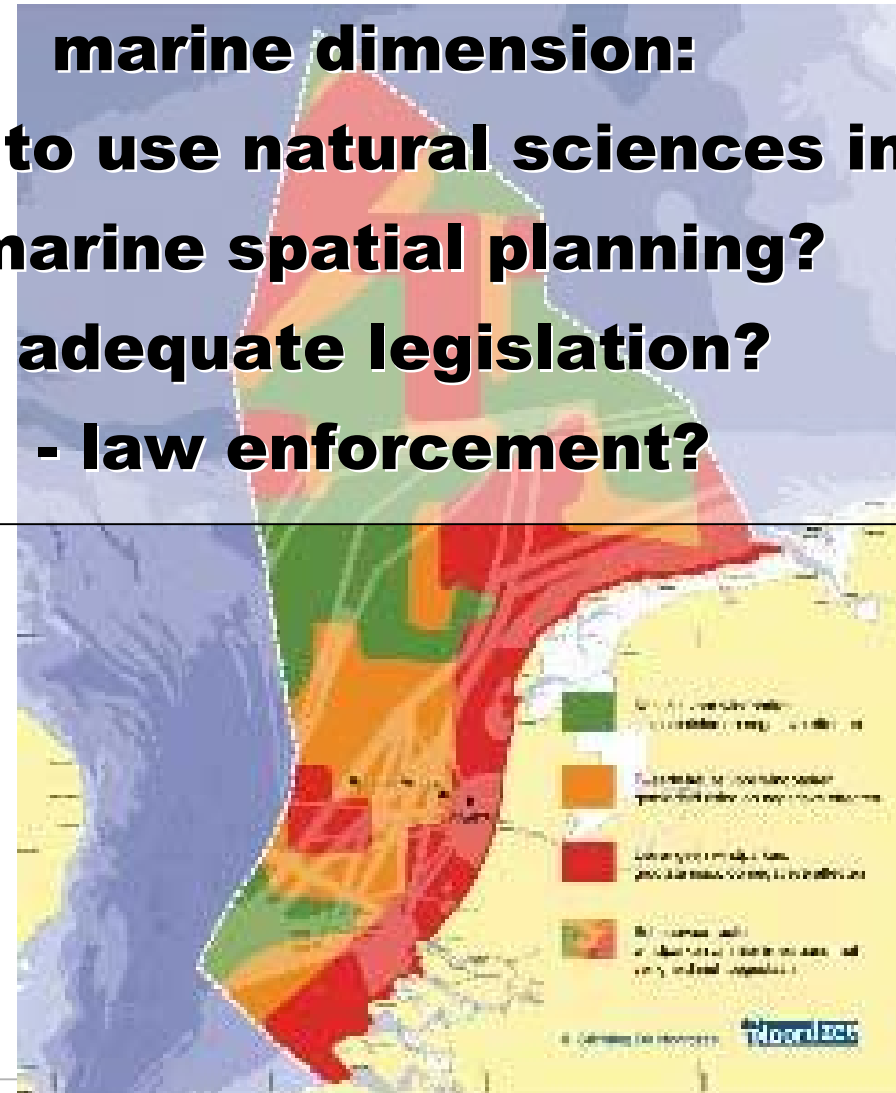


research theme 5: spatial planning

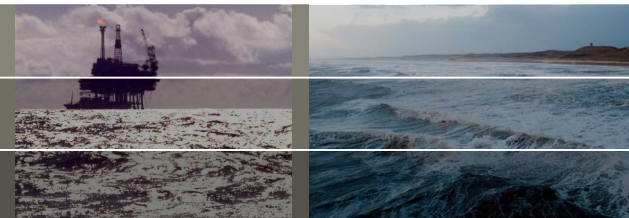


**marine dimension:
how to use natural sciences in**

- marine spatial planning?**
- adequate legislation?**
- law enforcement?**



strategic focus 1: EU Marine Strategy



EU Marine Strategy

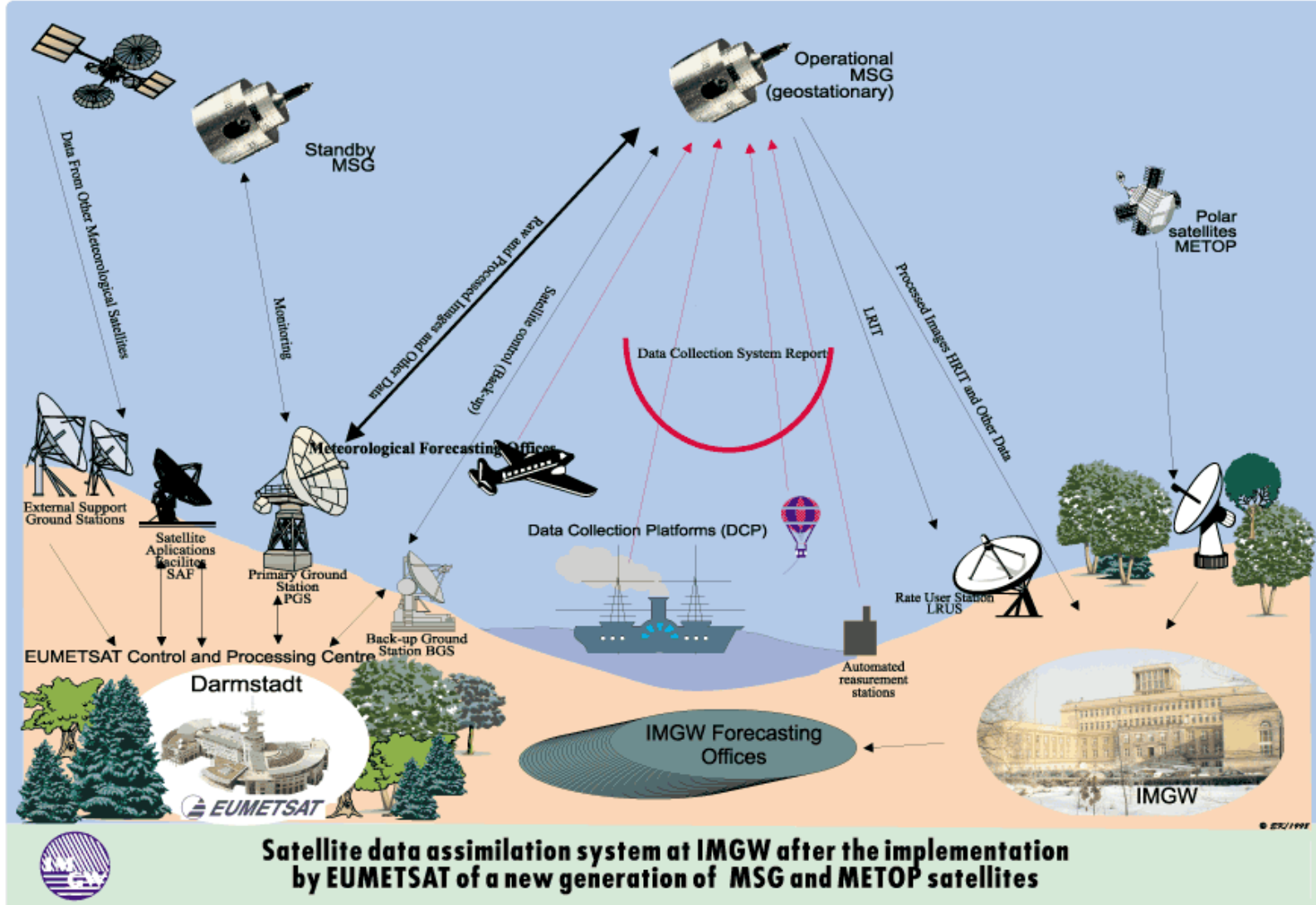
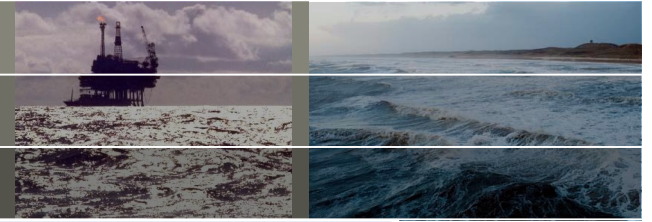
to protect Europe's oceans and seas

 EUROPEAN COMMISSION

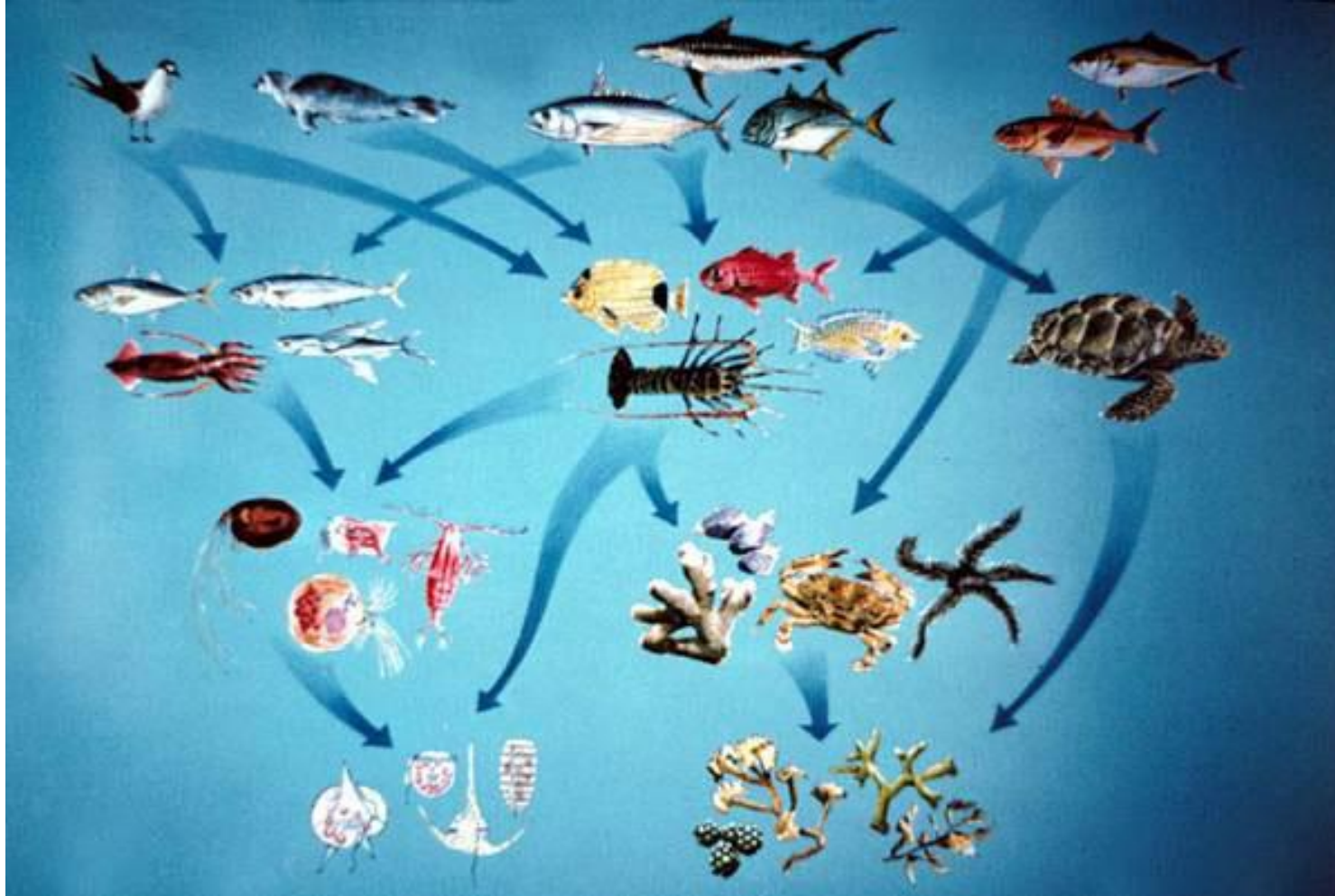
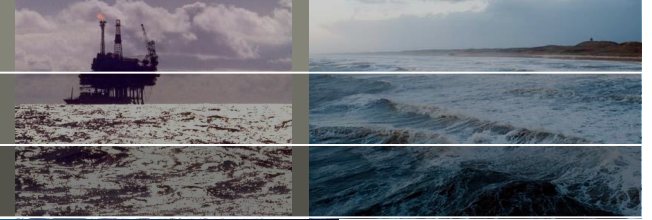


<http://ec.europa.eu/environment/water/marine.htm>

strategic focus 2: data-model integration

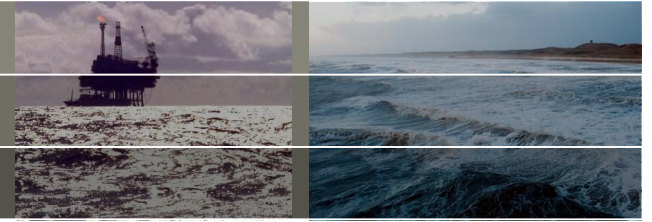


strategic focus 3: ecosystem modelling



from descriptive to predictive modelling

Deltares



**these ambitions
can only be realised
through collaboration**

**⇒ JONSMOD,
keep up the
good (net)work!**