Oyster reef restoration in the Belgian part of the North Sea

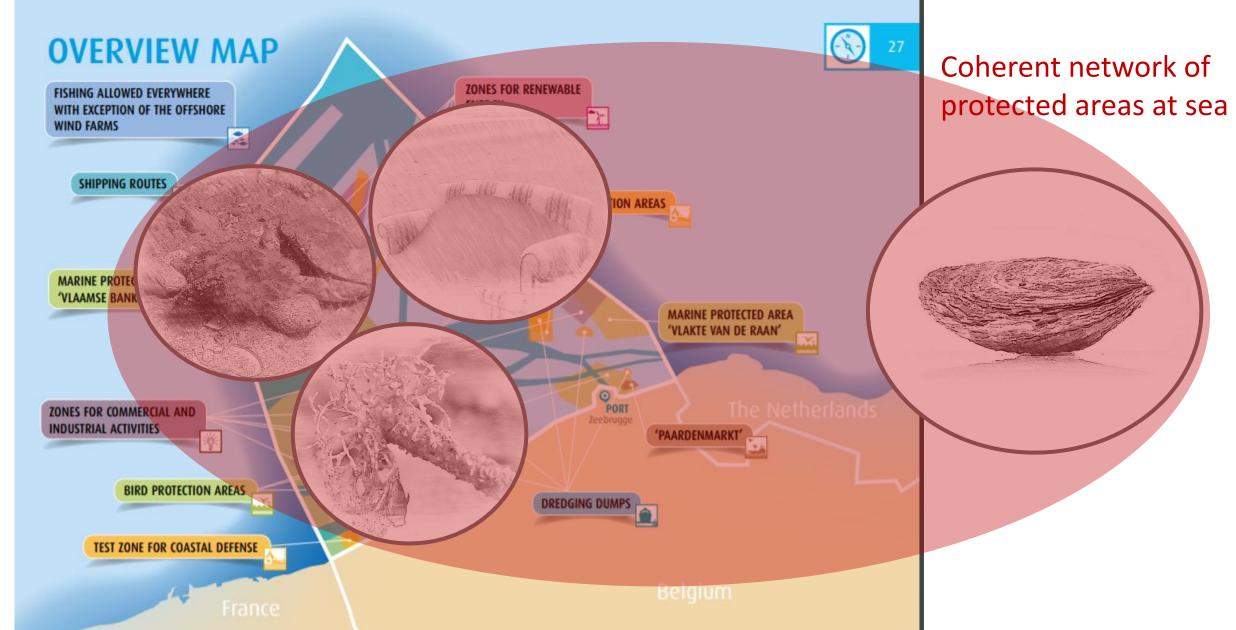




- Vision nature restoration
 - Rationale
 - Objectives
- Roadmap oyster restoration
- Timing oyster restoration
- Fisheries measures prerequisite for succesful oyster restoration
- Questions



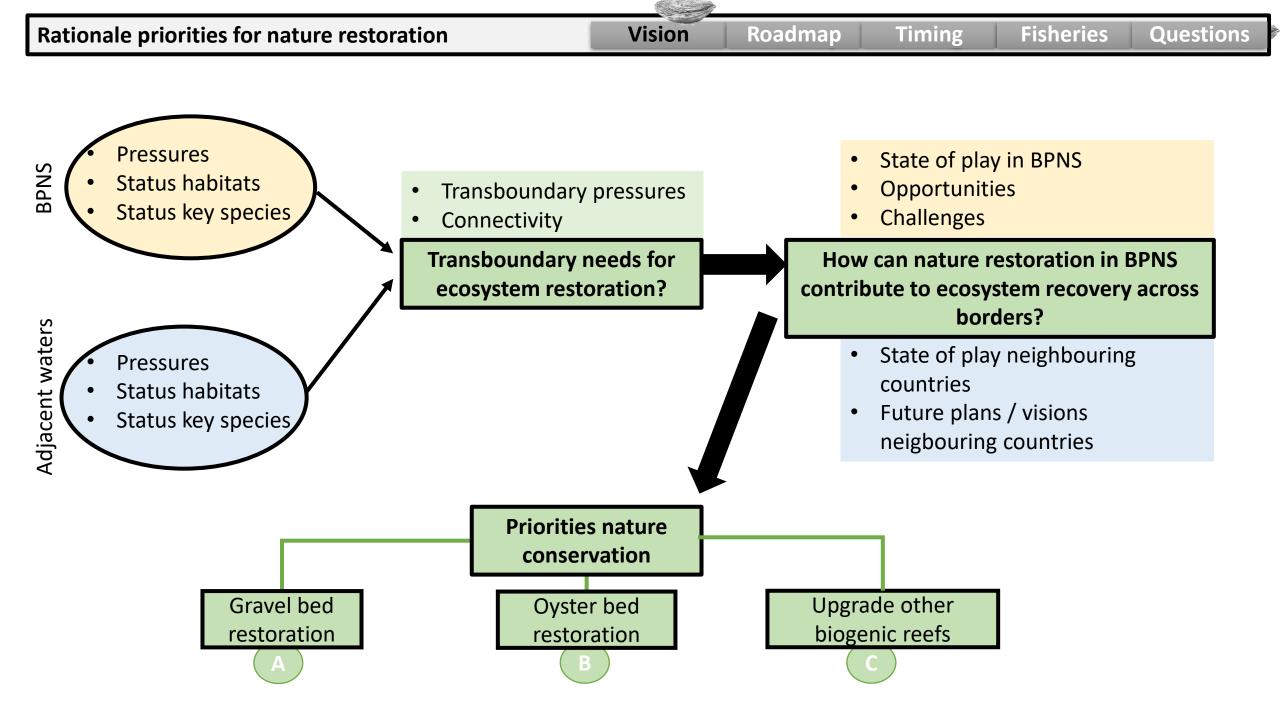




Conserving and restoring ecosystems in the Belgian part of the North Sea, bearing in mind that these ecosystems are **transboundary**. Efforts in the BPNS, together with those made in neighbouring countries, must therefore contribute to a **self-preserving**, **strong**, **resilient ecosystem** capable of providing numerous **ecosystem services** to humans. Important aspects here are (in view of the definition of healthy ecosystems):

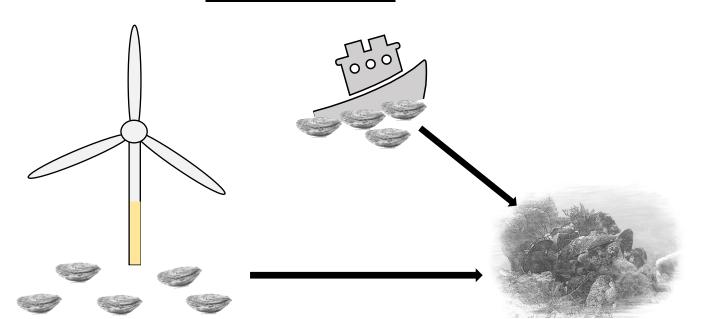
- healthy organisms and populations
- sufficient functional diversity
- sufficient response diversity
- presence of all trophic levels + strong link between the trophic levels
- good spatial connectivity between the different subsystems within an ecosy



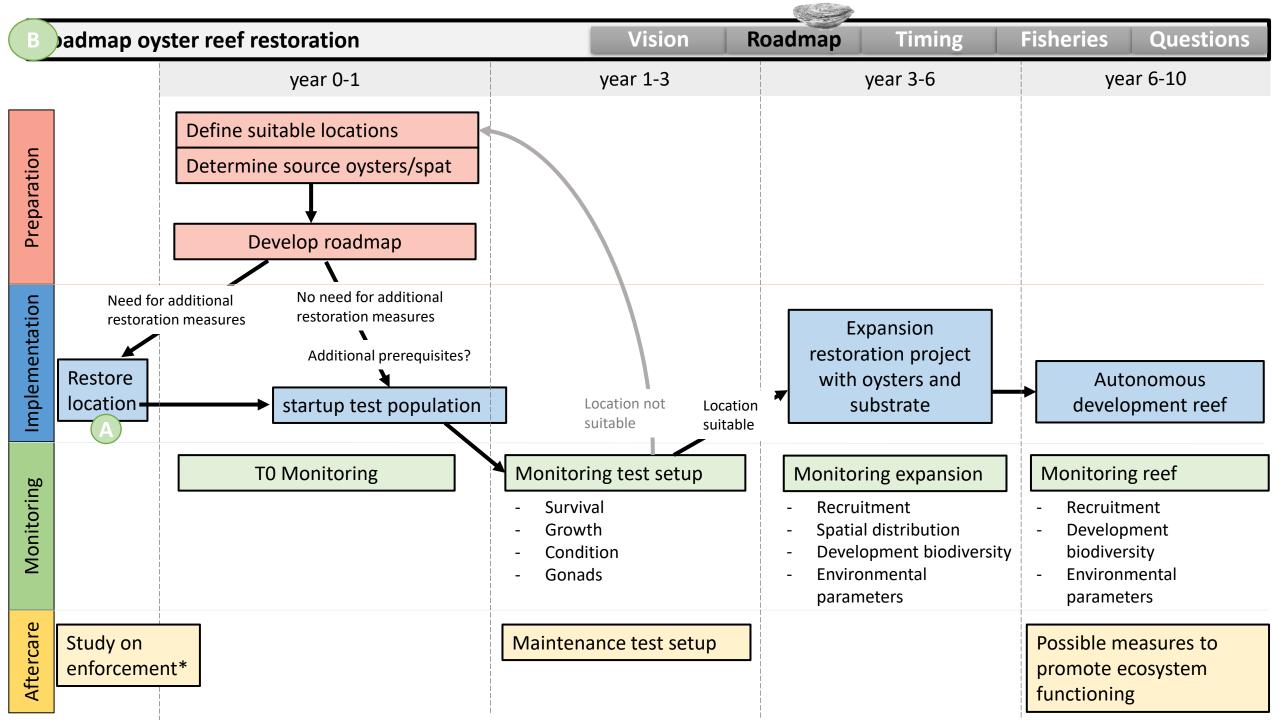


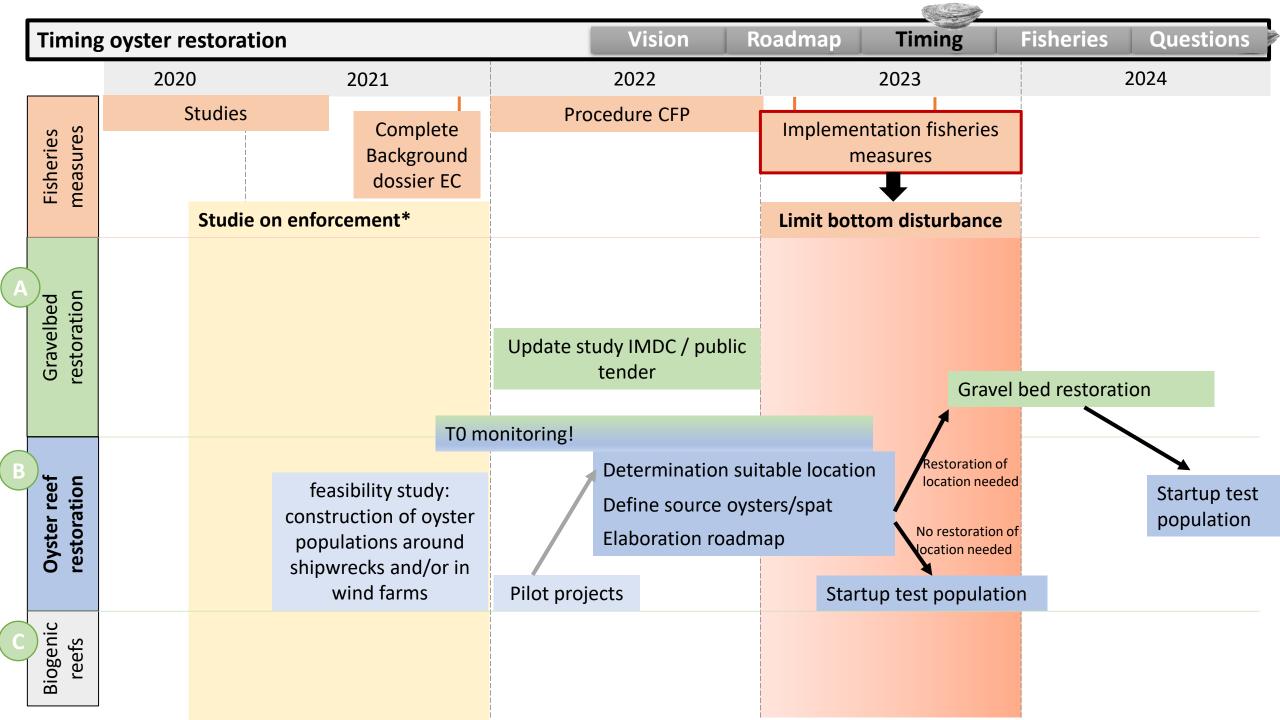
Oyster reefs: Sustainable recovery of healthy oyster populations and oyster banks and the associated long-lived fauna. Regain viable populations of the European flat oyster, who are stable or growing and who can reproduce successfully without human interference.

- Restoration <u>oyster banks</u>: strive for locations where suitable substrate occurs and where oyster banks occurred historically
- Construction of <u>oyster populations</u> within other locations such as wind farms, next to shipwrecks or aquaculture projects can facilitate recovery of oyster banks and serve as an additional source of spat that can contribute to recruitment in the oyster banks.
- Use of <u>local splash</u> for oyster bank recovery as much as possible
- Focus on <u>active restoration</u>











→ Within search zones MSP 2020-2026

→ Max 285 km²

Sand banks

L. Conchilega aggregations

Gravel beds



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- Possible cooperation for facilitation oyster reef restoration?
 - Information exchange and coordination between different projects
 - Implementation

Questions

- How important is public participation?
 - In what way can this be obtained
- What are the communication needs?
 - Towards specific stakeholders (fisheries, wind parks, sand extraction,...)
 - To the general public
- How to deal with Bonamia?

