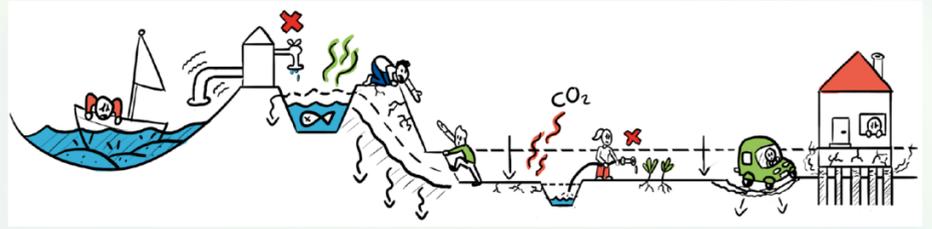
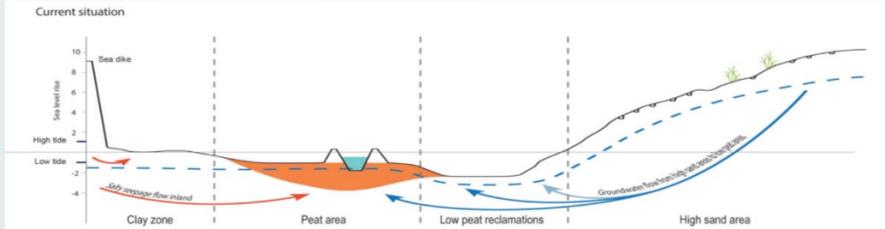




Region Fryslân, the Netherlands

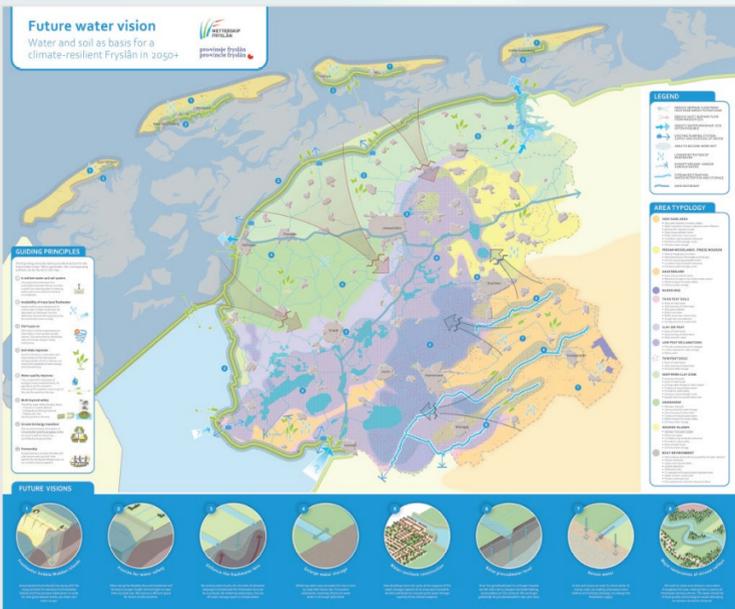
About the Region:

- A diverse, mainly rural, landscape in the north of the Netherlands with a long coastline along the IJssel Lake and the Wadden Sea with four Wadden Islands.
- Characterised by high sandy soils, low-lying peat areas in the middle and clay areas along the coastal region.
- The Frisian water system is an artificial 'polder' system, aimed primarily at draining excess water, with a high dependence on the supply of IJsselmeer water.



Climate Risks & Hazards:

- Extreme weather events: more frequent, prolonged droughts, rising temperatures and more evaporation.
- Higher sea levels increase the risk of coastal flooding and erosion.
- Changes in the water balance will increase inland and groundwater salinisation, causing harm to agricultural land and drinking water extraction areas.



Fryslân NBRACER vision for 2050+

- Sandy soils: To retain water longer, drain slowly with restored seepage in low areas, strong groundwater systems, and manageable temporary water issues.
- Peatlands: Peat oxidation and carbon dioxide emissions halted, rainwater retention reduces dependence on Lake IJsselmeer, and regional measures work together.
- Clay areas: Agriculture continues with healthy soils and freshwater lenses, salination controlled via raised groundwater levels and no runoff pollution.
- Wadden Islands: Freshwater lenses maintained despite sea level rise, with raised groundwater dunes and local salinisation flooding managed.
- Built environment: Construction follows water-robust guidelines, no significant risks from heat stress, drought or flooding.

Stream Valley Restoration: The Linde

- Re-meandering of the stream, for nature development and to increase the water quality.
- The river was straightened in the 1920s/30s to be able to drain water from surrounding agricultural fields quickly.
- The surrounding land is slowly being bought from or traded with agricultural landowners.
- Biodiversity is enhanced by creating natural banks and habitats (e.g. water-soldier and green hawker).
- Contributes to the goals of the EU Water Framework Directive.
- The aim is to keep buying land to enlarge the total preserved nature area.
- Partners: Staatsbosbeher; It Fryske Gea



Past 2 years vs. Future 2 years:

- We organised a super interesting Regional Workshop on the enablers and barriers of implementing and upscaling NbS.
- We learned a lot through collaboration with our NBRACER partners.
- Keep on researching NbS possibilities in the province
- We will organise an immersive visit focused on capacity building in the province.
- Increase our collaboration with other Replicating Regions and EU projects.

