

Paris, France



CCUS developments in the North Sea region

National Climate Policy and CCUS

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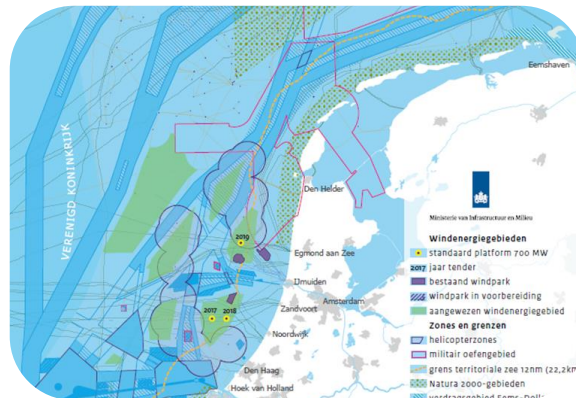
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Content



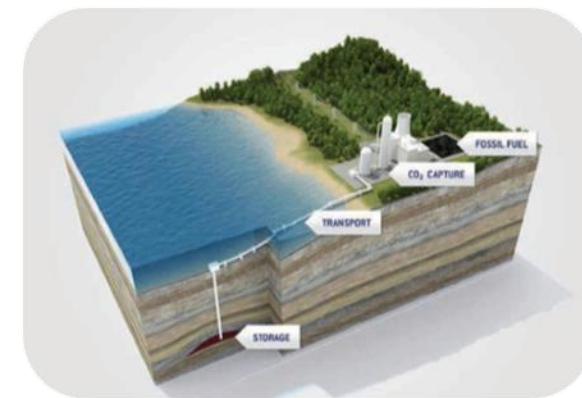
National Climate Policy



North Sea Developments



National Climate Accord



CCS Policy developments



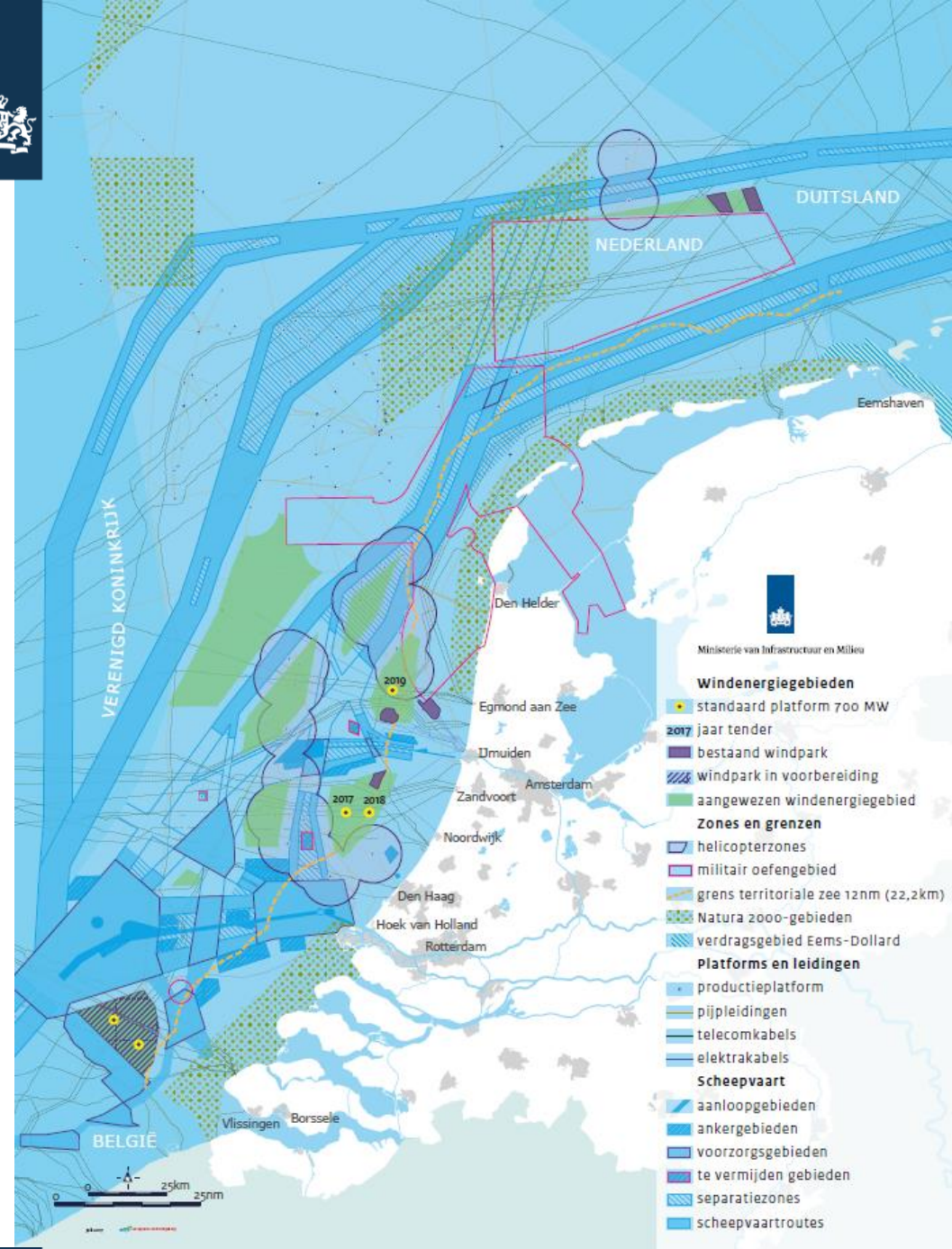
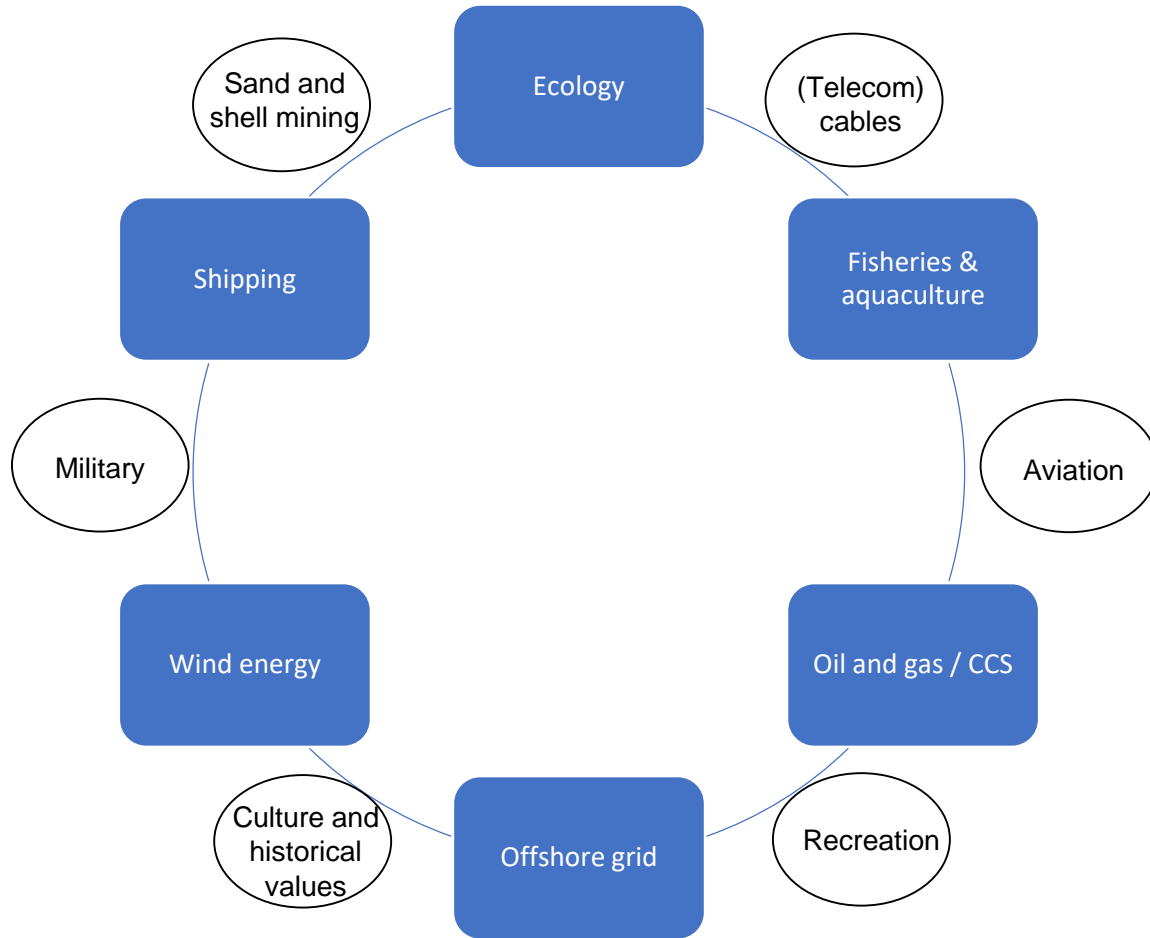
National Climate Policy

Main elements

- ❖ 49% CO₂ reduction in 2030 (- 48,7 Mton)
- ❖ Climate Act
- ❖ Phasing out use of coal in power plants by 2030
- ❖ CO₂ minimum price (floor price) for the electricity sector
- ❖ 10 GW additional offshore wind in 2030
- ❖ National Climate Accord

North Sea

Many activities, interests and values



More than 100 parties will reduce CO₂-emissions of the Netherlands by **49%** from 1990 levels via the

Climate Agreement





CCS in the Climate Accord

- › **Dilemma: cost-efficient vs. bridging technology**
- › CCS in **industry sectors only** (e.g. steel, refinery, hydrogen, fertilizer, waste incineration)
- › **Cap** for subsidy on CCS (7,2 +3) in 2030 (CCU and Negative emissions excluded)
- › CCS not foreseen in power sector
- › CCU could have potential on the longer term, focus is now on agricultural use (horticulture)
- › Storage of CO₂ → **offshore**
- › Offshore storage capacity ~**1700 Mton**
- › **Financial instrument: SDE++**





CCS Policy developments 2019/2020

Focus on the development of CCS-projects and clusters to cost-efficiently deliver the 2030 CO₂ reduction target:

- > Design of a subsidy scheme for CO₂ abatement options, incl. CCS for industrial sectors – **SDE++**. Start foreseen 2020. CCU in 2021.
- > € 10 million subsidy scheme for CCUS **feasibility studies + CCUS pilots** in 2019. Potentially in 2020.
- > Development of a **risk assessment methodology** for CO₂ transport in dense phase
- > Legal issues: **London Protocol**, inclusion of CO₂ transport by ship (EU-ETS)
- > **Decommissioning and reuse** of offshore infrastructure will save costs → coordination needed
- > Further assessment of offshore storage potential and required infrastructure, its spatial impact on the North Sea and other users
- > **Environmental Impact assessment**, environmental permits and spatial planning procedures for Porthos have started
- > Continue **international collaboration** through CEM, ACT, SET-plan, Mission Innovation, IEA and work on an European level on **EU-wide CCS policy and instruments** (Innovation Fund, CEF, Horizon Europe).



Thank you!

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