



Ministry of Economic Affairs
and Climate Policy

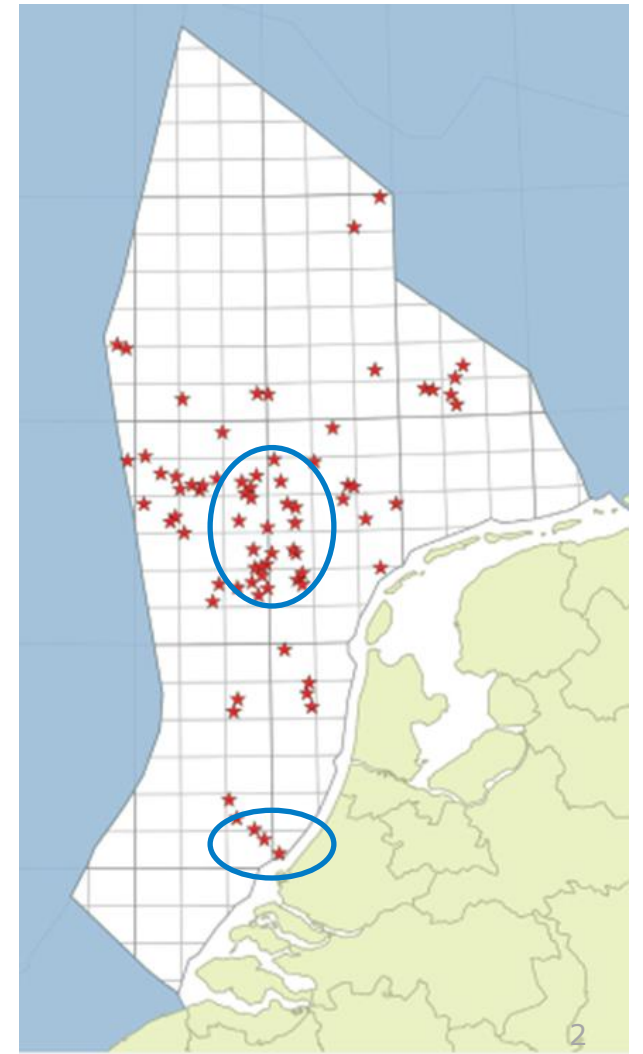
Offshore CCS & regulations in The Netherlands

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Offshore CCS in the Netherlands

- > Applications in process:
 - Porthos: P18-2, P18-4
 - Aramis: L4-A
- > Expected applications (in next 6 months)
 - Porthos: P18-6
 - Aramis: K14-FA, K6-C, K14-FB



source: EBN



Permit to permanently store CO₂

- > Dutch legislation is based on EU Directive 2009/31/EC on on the geological storage of carbon dioxide
- > A permit to permanently store CO₂ is a combination of permit and a field development plan (FDP)
 - permit: exclusive right to store CO₂ in certain storage site
 - FDP:
 - Risk management plan
 - Monitoring plan
 - Plan for corrective measures
 - Closure plan



Observed issues

- › The 4 plans are not/can not be as well-developed as would at the same stage in oil and gas permitting
 - Permit including the plans have to be updated occasionally
- › Duration of the permit
 - Storage company remains permitholder till 20 years after cessation of injection and has to put up financial security for the event of leakage for 30 years thereafter
 - Which type of financial security is acceptable to the government?
 - Cash deposit, Parent Company Guarantee, Insurrance