Offshore CCS & regulations in The Netherlands

Patricia Zegers-de-Beyl MSc MBA
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

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Dutch legislation is based on EU Directive 2009/31/EC 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