CCS and Carbon Take Back in the Netherlands

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- 30+ years experience Oil/gas industry
- 15+ yrs experience in CCS
- Project manager Barendrecht CCS project (2007/10)
- Self-employed, working on CCS since 2016:
Public acceptance  
*lessons learnt in NL*

Paris agreement → net zero studies → much better understanding (*experts*) of the need for CCS

**Dutch Climate Agreement: CCS under conditions:**

1. Sieve: industry only; no cost-effective alternatives
2. Ceiling: max 7.2 Mton/y (subsidised) in 2030
3. Horizon: no new subsidy after 2035

Also important: don’t assume that people *in general* know WHAT CCS is and WHY it is needed
Looking forward

• Carbon Take Back study proposal
  • Policy Gap Paris agreement
  • multi-party stakeholder process to better understand the why and how of a CTB
  • Sponsored by Oil/Gas organisations and Ministry
  • Based on 30+ 1-on-1 discussions last year

• Start-up projects: Porthos & Athos
Porthos (Rotterdam)

• [https://rotterdamccus.nl/en/](https://rotterdamccus.nl/en/)
Project Athos

- Feasibility study
- Large scale CCUS (1-5 Mton)
- Capture, utilization, transport & storage
- Multiple potential offshore storage sites
- Partners: Tata Steel, Gasunie, HbA, EBN
- PCI status applied for (support from D, IRL)
Why do NL authorities support a study of Carbon Take Back?

• Making oil/gas-producers co-responsible will increase political support and reduce costs
• New permits oil/gas production ‘Paris-compliant’
• Avoid/prepare for court cases:
  • Urgenda court case: short-term emission goals
  • Council of State advice: policy gap 2050 targets
• Potential for a better deal (for the state) on decommissioning/mothballing costs
Recommendations:

1. New oil/gas fields: under CTB; electricity or hydrogen; taxed like other industries; no subsidies after 2030

2. Existing fields: when renegotiating terms (or ‘Corona’ packages): introduce CTB at low % and increase to 100% in 2050

3. Work with other North Sea countries to set up and announce a North Sea Carbon Take Back Alliance at COP 26