

We hereby provide information from our institution/department/industry to be included in the list of CCS-institution/industry to be published on the ACT-homepage ([www.act-ccs.eu](http://www.act-ccs.eu)).

**1. Name of Institution:**

Energy research Centre of the Netherlands

**2. Abbreviation:**

ECN

**3. Department:**

Biomass and Energy Efficiency

**4. Speciality (ies) field within CCS:**

CO<sub>2</sub> Capture

Research and development on, mainly, process intensified options in which reaction and separation is integrated into one reactor. Focus on separation enhanced conversion using sorbents and membrane technologies. Specific examples include Sorption Enhanced Water Gas Shift (SEWGS) and dense metal membranes (HySep)

CO<sub>2</sub> utilization

Based on the extensive experience in process intensification, new approaches are being development to produce chemicals, fuels and chemical energy storage compounds.

**5. Web-page:**

[Biomass and Energy Efficiency](#)

[HySep](#)

[SEWGS](#)

## 6. Other info:

Example projects CO<sub>2</sub> Capture

EU H2020 - [STEPWISE](#)

EU H2020 - [Leilac](#)

EU FP7 - [ASCENT](#)

EU FP7 - [CAESAR](#)

NL - [CATO](#)

many commercial projects on membrane and sorbent development and delivery

Example projects CO<sub>2</sub> utilization

NL - ReVaSIn

NI - FlexP2G

## 7. Contact person:

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