

CATO beyond 2025

Goal

Accelerate the implementation and roll-out of CCS/CCU/CDR projects in the Netherlands and abroad through disseminating knowledge in R&D and Innovation and supporting the development of business opportunities for (Dutch) organizations active in the CCS/CCU/CDR value chain.

Core activities

- Grow (inter)national CCS community, and develop new ecosystems, such as CDR communities (including DAC, Bio-CCS, etc.)
- Enable knowledge sharing and dissemination of CCS/CCU/CDR technologies

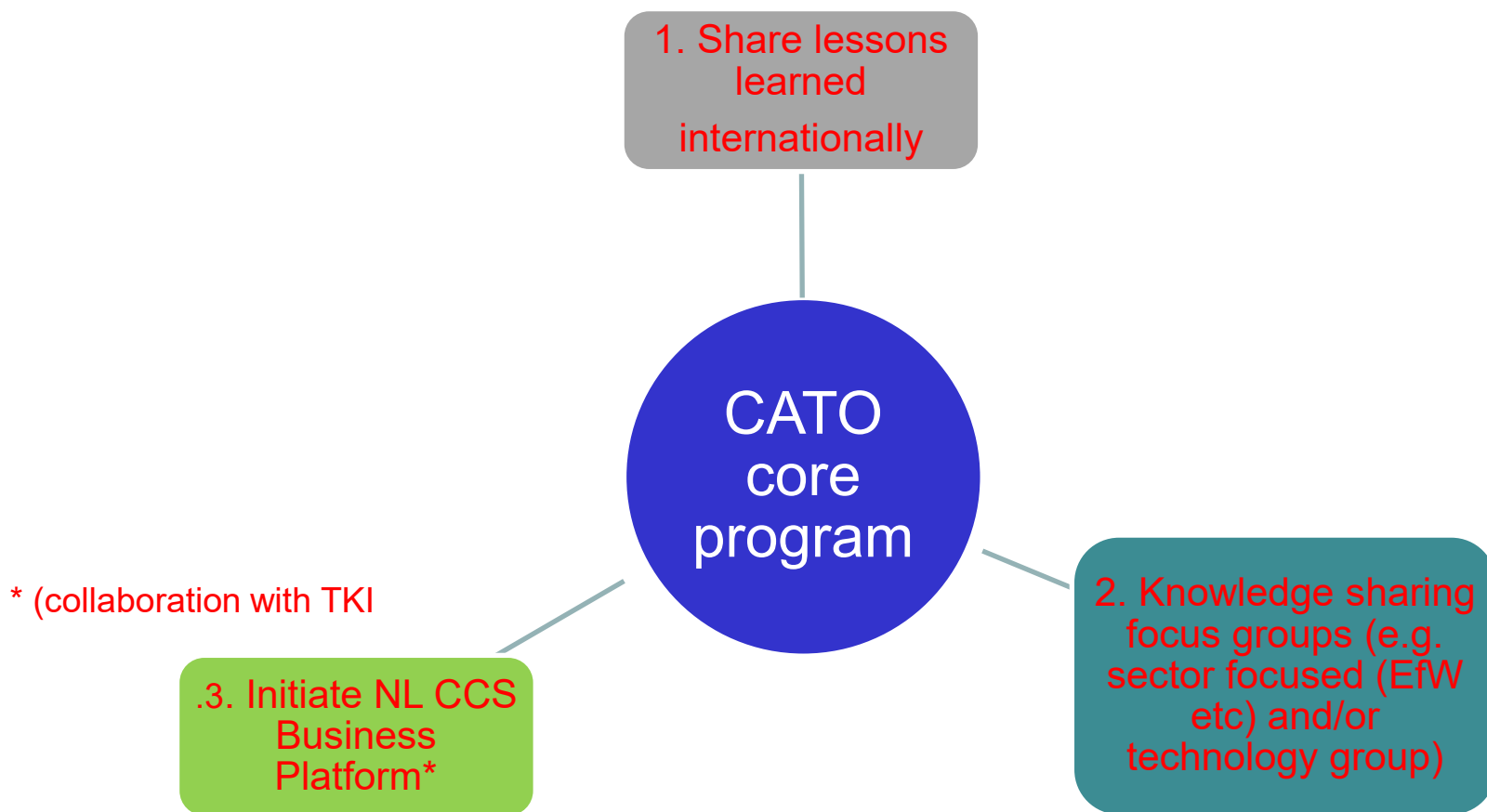
Approach

Adding CDR technologies (like DAC, DOC, mineralization, Bio-CCS,, etc.) to the CATO core program.

Building on previous CATO years and adding new sub-themes to the CATO core activities.

Every year, the subthemes will be evaluated, and discussion will take place about which activities are relevant for subsequent year(s).

CATO beyond 2025



CATO core program

Goal

Maintain and expand the CCS/CCU/CDR R&D knowledge network nationally and internationally.

Activities

- Website & LinkedIn: maintain www.co2-cato.nl and disseminate news via CATO LinkedIn page and direct mailing.
- Network events: 1 large CATO event/year and 1 (combined) CATO event (e.g. in collaboration with Porthos, industry focus, etc.)
- CATO being present at international CCUS/CDR events with talks, presentations and/or side events (eventually together with other international organizations, e.g. IEAGHG, WHS, etc.): 1-2 times/year
- Part of European Webinars series on relevant topics: at least 1 webinar/year (tbc)
- Roll-out of CATO carbon reduction game: (more details will follow later).

CATO core program (adding CDR)

Goal

Accelerate CDR technology developments (including DAC/DOC and Bio-CCS) in the Netherlands and potentially build Dutch CDR industry

Activities

- Connect with other relevant network organizations, such as Taskforce Negative Emissions (TNE), Arrhenius platform and Mission Innovation CDR program ([Carbon Dioxide Removal Mission - Mission Innovation](#)).
- Innovation Program, as part of roadmap “negative emissions”, is currently building an integrated platform with different test facilities. **CATO can disseminate R&D and other relevant knowledge of these initiatives.**
- Break-out session during main CATO events and CDR presentations during plenary sessions.
- Adding “blog” on CDR (technology) development to CATO website (tbd)

Theme 1 – Share lessons learned Internationally

Goal

Connect to similar initiatives like Porthos/Aramis in other countries and embed Dutch community in global networks.

Export Dutch CCS learnings to and receive learnings from these similar (international) initiatives.

Learn from each others and derisk and improve business case of CCS projects

Activities

- Webinars
- One event at Porthos

Part of European CCUS Webinar Series 2025



Theme 2 – Knowledge sharing focus groups (e.g. sector focused (EfW etc) and/or technology group)

Goal

Enable knowledge dissemination within and beyond the EfW sector (e.g. Biomass, etc.). Both nationally and potentially internationally.

Enable knowledge dissemination within and beyond a technology group (e.g. DAC, Bio-CCS, etc.). Both nationally and potentially internationally.

In the future, we may explore other hard-to abate (industry) sectors and technology groups, such as (petro) chemical, cement/lime, mineralization, etc. and search for opportunities of such a focussed approach and willingness to participate and contribute.

Activities EfW

- Network: 2 knowledge dissemination sessions/year (one dedicated and one combined with main CATO event in the form of break-out session).
- Organize webinars to disseminate sector relevant R&D insights.
- Other

Theme 3 – Initiate NL CCUS/CDR Business and Innovation Community

Goal

Further build NL CCS ecosystem of organizations active in CCS value chain and promote business collaboration (in collaboration with TKI)

Activities

- Join Trade missions focussed on CCS developments either to or from the Netherlands (minimum of 2 per year).
- Exhibit at CCUS tradeshows with e.g. Dutch CCS pavilion (minimum one per year).
- Develop (online) “overview/catalogue” of Dutch organizations active in CCS developments. Targeted for both national and international stakeholders.

CATO governance

TNO is responsible for the daily management and overall coordination of the CATO-R&D program. It serves as the main interface between involved Parties and the Dutch Government. TNO acts upon all critical issues and inhibiting activities and addresses those undertaking such activities, to ensure that all required actions are being taken.

Other responsibilities of TNO concerns technical management, financial, legal and administrative management and internal and external communication regarding CCUS/CDR in general and the program in specific e.g. project dissemination and reporting.