



DACStorE Transformation Hub

A single point of contact in Germany for DACS technology



The 'DACStorE Transformation Hub' is a virtual platform hosting different types of events and information based on the DACStorE research.

The Hub offers

- Access to information related to DACS
- Easy contact to DACS experts and stakeholders
- Networking between stakeholders and DACStorE scientists

Overview Activities:

DACStorE Network

The network connects DACS-interested companies, authorities and advocacy groups with DACStorE and among each other.

15 reports on DACStorE research results

The release is accompanied by a public presentation of the main findings.

10 co-creation workshops

Bidirectional information and knowledge exchange between the DACStorE sub-projects and different stakeholder groups.

DACS Talks

DACStorE PhDs present recent findings to the target group "general society" on a quarterly basis.

DACS Atlas

A graphical user interface for displaying DACS potentials and moderating constraints in different regions.

DACStorE Repository

The database contains results, technical characterization and data of energy system modeling and further models.

Mini-plant and installation

Enables demonstration and materials testing.

Preliminary schedule of activities

2023

Q3 **Report:** DAC boundary conditions and suitable adsorbent materials for further investigation

Q4 **Database:** Stakeholders

Online survey regarding DACS acceptance starts

2024

Q1 Beginning of **DACS Talks** (quarterly until end of project)

Q2 **Report*:** Policies for econom. and environ. sound investments in DACs
Report: Worldwide negative emission demand in five exemplary years

Q3 **Report:** Statement about worldwide NETs potentials besides DACS

Report*: Comparison of SoA approaches for electro-swing DAC

Co-creation workshop: Aligning and sharpening the model

2025

Q1 **Co-creation workshop series** (Q1-Q4) with 5 workshops for various stakeholder groups and 1 joint final open space workshop

Q3 **Report:** Adsorption/desorption behavior of investigated materials

Report*: International laws governing transboundary CO₂ transport

2026

Q1 **Report*:** Recommendations on DACS acceptance

Report: Fact sheet on legal conditions for DACS integration into ETS

Q3 **Co-creation workshop:** Risks, costs, & problems inherent in DACS

Co-creation workshop: Electro-swing technologies

Q4 **Co-creation workshop:** Technology presentation to externals

2027

Q1 **Report:** Life cycle assessment for 2 DACS technologies

Report: Life cycle costing for 2 DACS technologies

Co-creation workshop*: Introducing the DACStorE Plant Designer

Q3 **Report*:** Quantification of impact of proposed DAC facilities

Report: Social life cycle assessment for 2 DACS technologies

Report: Life cycle sustainability assessment for 2 DACS technologies

Report: Implications of a broad roll-out of DACS technologies

Q4 **Report:** Technology roadmap evaluating the status of DAC pathways

Report*: Strategically relevant sites for DACS and infrastructure

Webinar: Presenting the DACS-Atlas

* : Including a report-launching webinar

Additional Transfer Activities:

Internal exploitation workshops

Workshops assessing the innovation and transfer potential with regard to IP generation, exploitation paths, use-cases, map the value chain mapping, and included stakeholders.

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