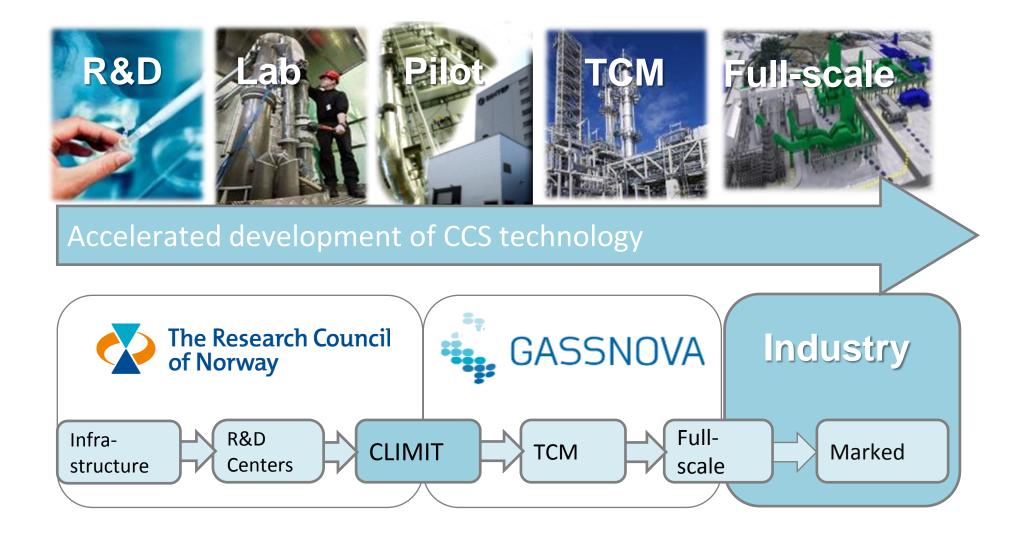


Policy instruments for CCS in Norway





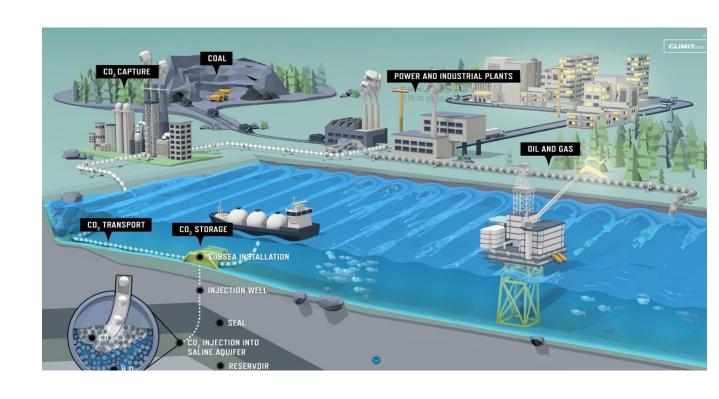
CLIMIT is the national programme for research, development, piloting and demonstration of CO₂ capture and storage (CCS) technologies for power generation and other industrial sources.

....14 YEARS

- Annual budget approx. 23 M€
- 300 + projects have received support

....last 5 YEARS US – Norway

- 7 projects covering > 11 million USD
- 50-70% CLIMIT Demo funding
- Many US partners in CLIMIT R&D projects





International collaboration

ACT

11 countries cooperates on a 30 mill. Euro new call with 6 mill Euro from CLIMIT. USA is also a part of this call

MoU Norge – USA Nettwork, knowledgesharing, project collaboration

ECCSEL

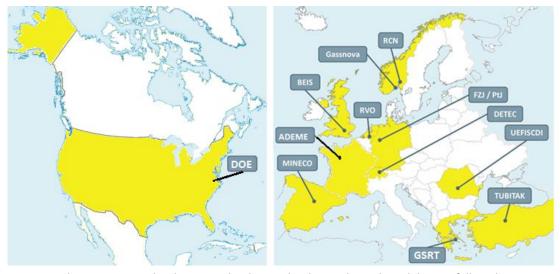
European collaboration on R&D infrastructure. 5 countries, 54 research infrastructures

• EU

Synergies with Horizon 2020 and EUs implementing plan for CCS (SET-plan)

CSLF

Minister-based organization with mission to accelerate development, demonstration and commercial deployment CCS

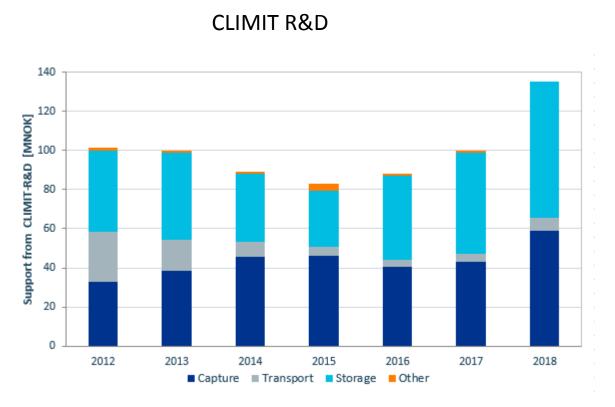


ACT – Acceleration CCS technologies. 11 land samarbeider om kunnskapsdeling og fellesutlysninger

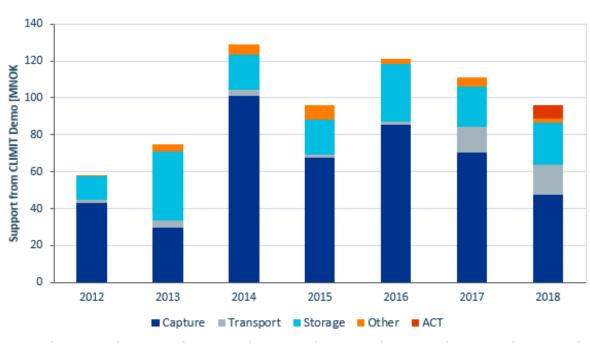




Portefolio: CLIMIT R&D and CLIMIT Demo

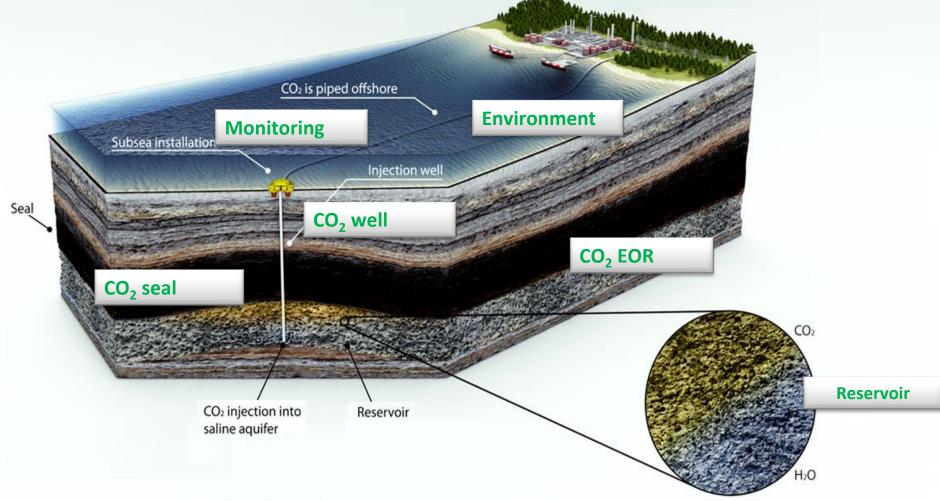


CLIMIT Demo





Portfolio CO₂ storage





Portfolio CO₂ Capture

- Post-, pre- and oxy combustion
- Technologies:
 - Polymer membranes
 - Ceramic membranes
 - Pd-membranes
 - Solvents
 - Sorbents
 - Combustion
- Process and system development and analysis
- Environmental aspects

One step closer to bringing CO2 capture technology to the marketplace



May Britt Hägg, a professor in the Department of Chemical Engineering at the Norwegian University of Science and Technology holds the CO2 membrane separator she and her research group have developed. Credit: Per Henning, NTNU

Air Products has signed an exclusive license agreement with the Norwegian University of Science and Technology (NTNU) for membrane technology for CO₂ capture.



NTNU, through its commercialization arm NTNU Technology Transfer, announced on 10 January that it has entered into an exclusive license agreement with Air Product. The agreement allows Air Products the rights to use NTNU's proprietary fixed site carrier (FSC) membrane technology in conjunction with Air Products' proprietary PRISM membrane technology for carbon direction (CO2) and the products of proprietary PRISM membrane technology for earth or direction (CO2) and the products of products and products of the products of



