Presentations 8 February – Plenary

- Per-Olof Granström, ZEP
- Mark Ackiewicz, U.S. Department of Energy Office of Carbon Management Technologies
- Rune Volla, The Research Council of Norway
- Aage Stangeland, The Research Council of Norway
- Mark Ackiewicz, U.S. Department of Energy Office of Carbon Management Technologies

Per-Olof Granström

EU DIRECTOR

CLIMIT SUMMIT

#CLIMITSUMMIT2023
7–9 February

Strong positive momentum for CCUS in the EU

Per-Olof Granström is EU Director at CCSA/Zero Emissions Platform. He has previously held various positions in the European energy sector, such as Secretary General of EDSO, Vice Chairman of the Global Smart Grid Federation, Director of European Affairs at Vattenfall, Executive Vice President at Swedenergy and Vice President/Director of trade at Nord Pool – the Nordic Power Exchange.

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Strong positive momentum for CCUS

CLIMIT SUMMIT 2023

8 January 20232

Per-Olof Granström, Zero Emissions Platform

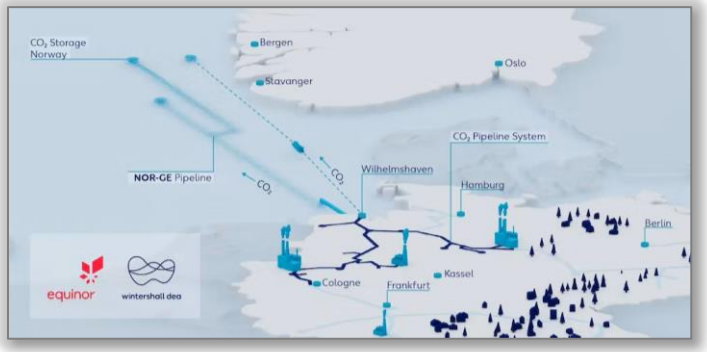
Zero Emissions Platform

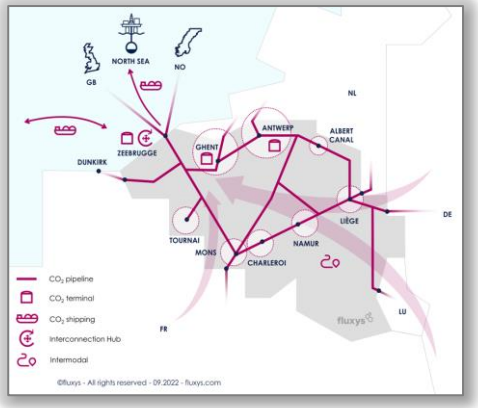
- Adviser to the European Union on the deployment of CCS and CCU
- European Technology and Innovation Platform under the SET-Plan
- Broad membership base – Oil&Gas, Industry, Utilities, Equipment suppliers, Research, Trade unions, Environmental NGOs
- Go-to organisation to liaise with the European Institutions – good cooperation with Member State governments
- Coordination with other initiatives on national, European and international level …

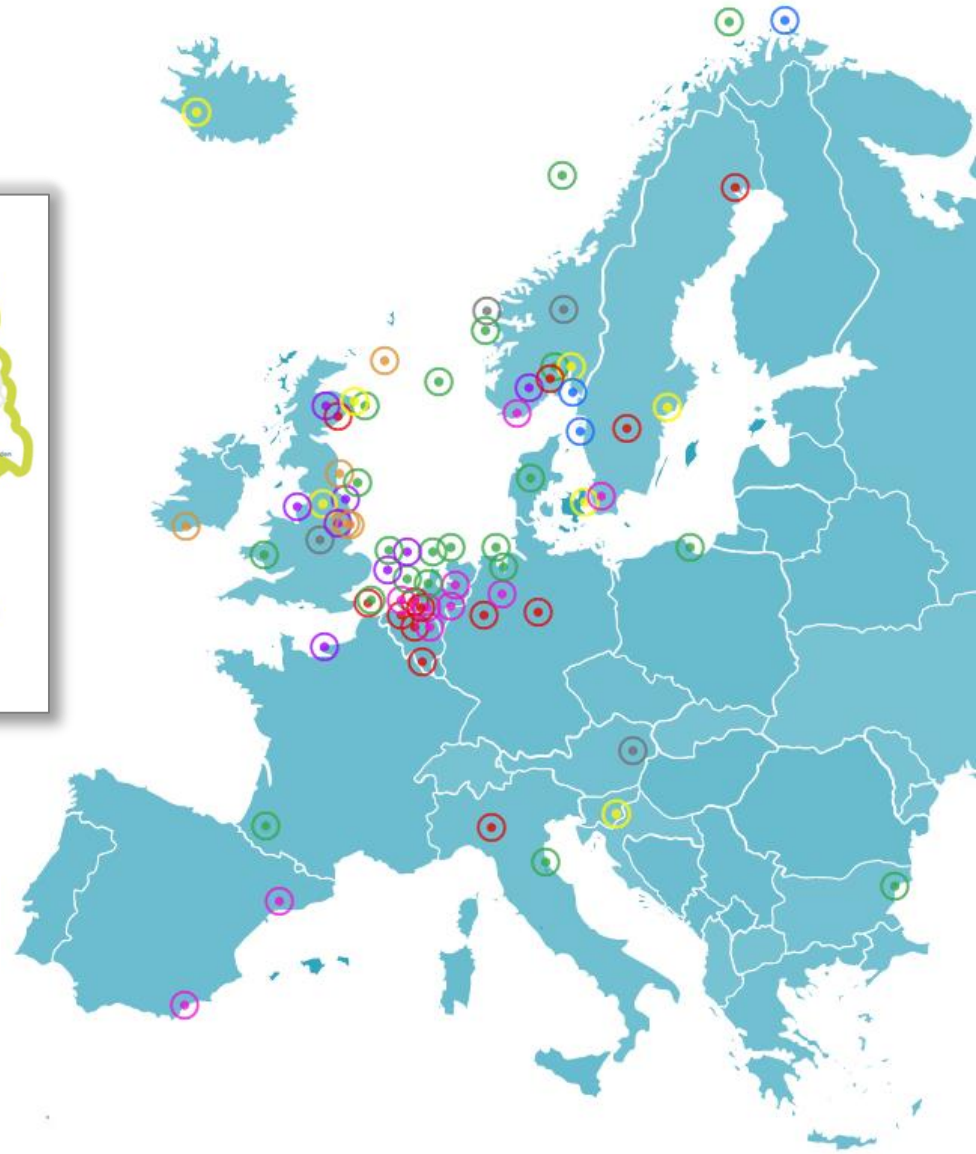
ZEP and the SET-Plan Implementation plan working group on CCUS

- Close coordination
- One governance structure
- One work programme

Europe-wide CO2 infrastructure – the beginnings







A very busy CCUS policy agenda …

	Q4 2022	Q1 2023	Q2 2022	Q3 2023	Q4 2023
CO2 infrastructure	Council's General Approach on TEN-T	EP vote on TEN-T (February) and start of trilogues (expected)	Trilogues on TEN-T (expected)	Final TEN-T text (expected)	
EU ETS					
CBAM					
REDII					
MRR					
CCUS Forum					m Plenary (expected in October)
CO2 storage directive GDs					n of revised GDs (Oct/Nov)
CDR					
EC Communication strateg vision for CCUS					on (expected Q4)
Critical Raw Materials Act					
EU competitiveness					
REPowerEU					
Hydrogen					
PCI/PMI					ovember
SET Plan					
NECPs					
Innovation Fund					uction under revised rules
Horizon Europe					
CCS+ initiative		Guidance & Principles (expected in January)			

- **Fit for 55 – EU ETS**: All means of CO2 transport, CCU (permanent storage CO2 intended), municipal waste incineration – **Carbon Boarder Adjustment Mechanism**: first steps
- A European Commission **CCUS Communication Q4 2023**
  - EU strategy on CCS and CCU: role, scope, clear targets…
  - Europe-wide CO2 infrastructure: Review of CO2 storage (CCS) directive guidance, new regulatory framework for CO2 transport (EC studies)
- Cross-border CO2 transport – **London protocol**
- Regulatory framework for the **certification of carbon removal activities** – expert group – voluntary carbon markets
- Review of Member States' **National Energy and Climate Plans** – German carbon management strategy
- …

CCUS Funding...

Horizon Europe WP 2023-24

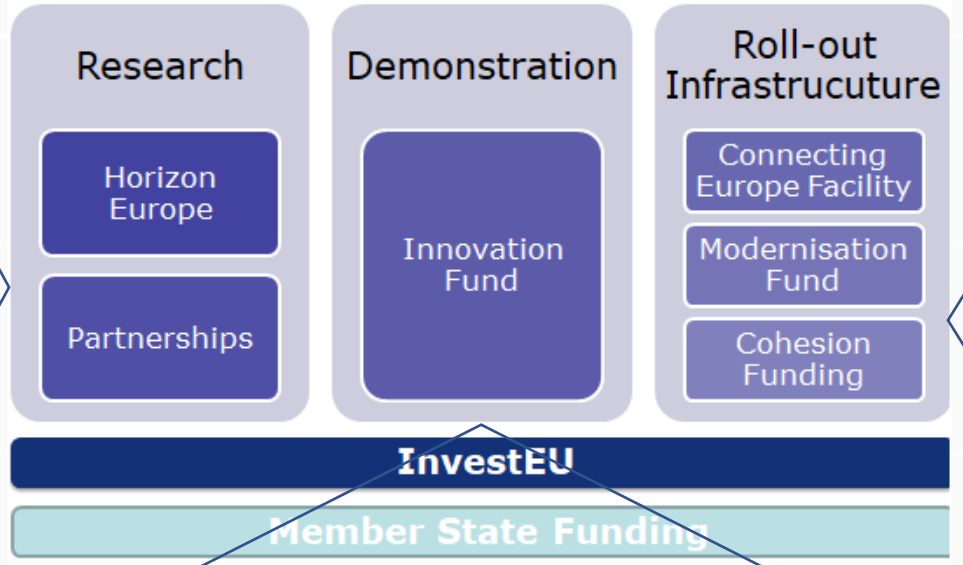
- CO_2 T&S demo projects
- Utilisation
- Carbon Dioxide Removals

Partnerships

- Clean Energy Transition
- Clean Hydrogen

Mission Innovation

- CDR
- Clean Hydrogen



Innovation Fund – Important to frontload

450 million EU ETS allowances 2021-30, €30 billion?

- 1st large-scale call: 4 CCUS projects awarded: BE, SE, FR, FI
- 2nd: 7 projects include CCS/CCU: BG, FR, DE, IS, PL, SE
- 3rd call in November 2022 (€3 billion specific financing)

Revised TEN-E regulation (TEN-T)

- CO_2 storage
- Projects of Mutual Interest

Projects of Common Interest

- 4th/5th lists: CO_2-Sapling Project, CO_2 TransPorts, Northern Lights, Aramis, Dartagnan, Poland-EU CCS Interconnector, …
- 6th list in Q4 2023 – 21 CO_2 network projects candidates

Funding via CEF

The Green Deal Industrial Plan – crucial new basis for investment and innovation

Predictable and simplified regulatory environment (Net-Zero Industry Act)

- 2030 goals for clean technology, one-stop-shop on permitting
- European standards, regulatory sandboxes…
- Supply chain – energy, critical raw materials…

Faster access to sufficient funding

- Relaxing state aid rules
- REPowerEU, InvestEU, Innovation Fund, TEN-E/TEN-T, 'Sovereignty fund' – simplification/frontloading

Skills to make the transition happen

Open trade for resilient supply chains

Strong positive momentum for CCUS – it is urgent – the 2020s are crucial!

- **Enabling policy framework** – making it economically feasible to invest in all parts along the CCUS value chain
- **Strong continued support for CCUS R&I** through Horizon Europe and partnerships
- **Coherent and coordinated** EU and national funding programs
- **An EU strategy for CCS and CCU**
- **Markets for net-zero products** – where real climate impact is reflected in the price

Thank you
for your attention!

Per-Olof Granström, Zero Emissions Platform

Mark Ackiewicz

DIRECTOR, OFFICE OF CARBON MANAGEMENT TECHNOLOGIES

Update on Recent Carbon Management Developments in the United States

Mr. Mark Ackiewicz is the Director for the U.S. Department of Energy Office of Carbon Management Technologies. In this role, Mark is responsible for planning, management, and administration of the Office's RDD&D portfolio.

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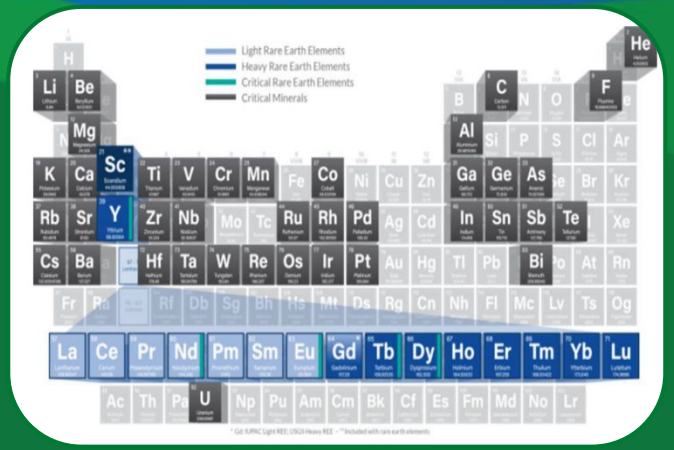
U.S. DEPARTMENT OF ENERGY
Fossil Energy and Carbon Management

Update on Carbon Management Developments in the United States

Mark Ackiewicz

DIRECTOR, OFFICE OF CARBON MANAGEMENT TECHNOLOGIES
U.S. Department of Energy

February 8, 2023



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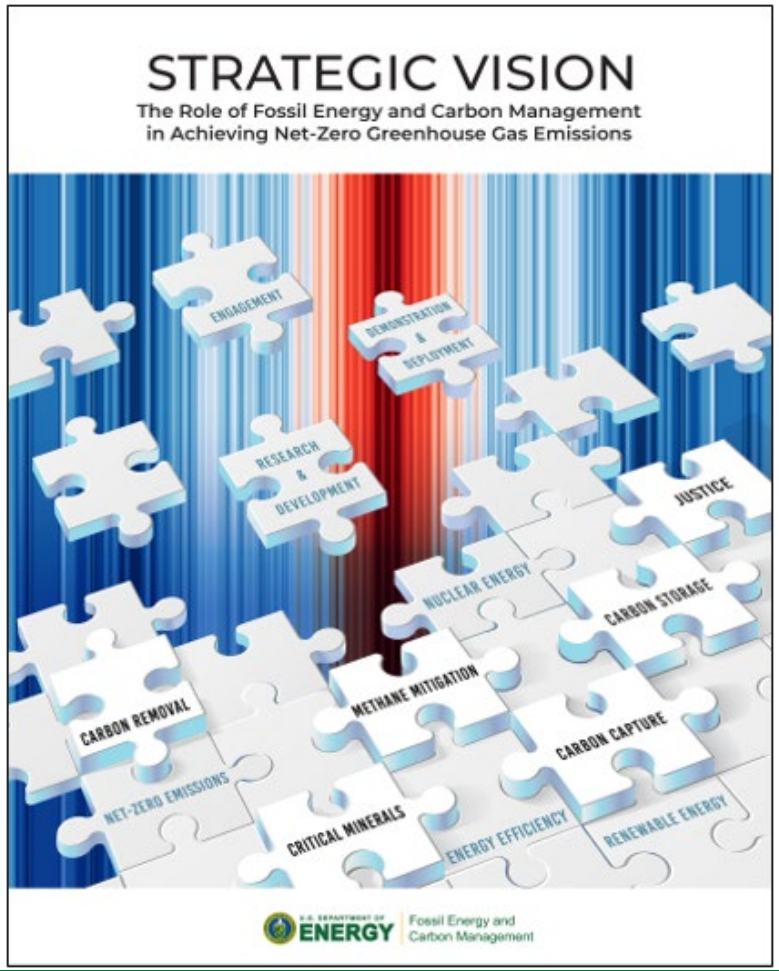
A Vision for Carbon Management



A carbon management framework that will guide FECM's engagement with offices across the Department, Federal agencies, tribal and international governments, industry, non-governmental organizations, and communities

Advancing Justice, Labor, and Engagement

Priorities: *Justice, labor, and international and domestic partnerships*

Advancing Carbon Management Approaches Toward Deep Decarbonization

Priorities: *Point-source carbon capture (PSC), carbon dioxide conversion, carbon dioxide removal (CDR), and reliable carbon transport and storage*

Advancing Technologies that Lead to Sustainable Energy Resource

Priorities: *Hydrogen with carbon management, domestic critical minerals (CM) production, and methane mitigation*

Several Newly Enacted Laws Significantly Expanding Carbon Management Investments (highlights, not comprehensive)

- Bipartisan Infrastructure Law (BIL) – enacted November 15, 2021
  - Over $12 billion in Carbon Management
  - $8 billion for Hydrogen Hubs
  - $500 million for Industrial Emissions Reduction Technology Development Program
  - $50 million to the U.S. Environmental Protection Agency for states to attain class VI primacy (geologic storage permitting)

- CHIPS and Science Act – enacted August 9, 2022; Authorizes:
  - $1 billion for carbon dioxide removal
  - $200 million for alternative fuels
  - $600 million for clean energy industrial technologies

- Inflation Reduction Act (IRA) – enacted August 16, 2022
  - $5.812 billion for Advanced Industrial Facilities Deployment
  - Tax credit enhancements – 45Q carbon capture, 45V hydrogen

BIL Carbon Management Provisions

Carbon Dioxide Removal - Direct Air Capture
Regional Direct Air Capture Hubs: $3.5 billion
DAC Technology Prize Competition: $115 million

Carbon Capture, Utilization and Storage (CCUS)
Integrated CCUS Demos: $2.537 billion
Carbon Capture Large Pilots: $937 million

Carbon Dioxide Utilization and Storage
Carbon Storage Validation and Testing: $2.5 billion
Carbon Utilization Program: $310 million

Carbon Dioxide Transportation Infrastructure Finance and Innovation Program Account (CIFIA)
Loan Programs and Future Growth Grants: $2.1 billion

Front-End Engineering Design Studies
Carbon Capture Technology Program (Transport Infrastructure): $100 million

BIL Implementation

Provision	FOA/Loan Notice of Intent Issued	FOA/Prize Release	FOA/Prize Close	Project Selections
Carbon Storage Validation and Testing	04/29/2022	09/21/2022	11/30/2022	~03/13/2023
Carbon Capture FEED (Transport)	07/13/2022	09/22/2022	11/28/2022	March 2023
CCS Integrated Demos	*07/13/2022*	*09/22/2022*	*12/05/2022*	*~ 03/31/2023*
Regional Direct Air Capture Hubs	05/13/2022	12/13/2022	03/13/2023	~ 06/30/2023
Direct Air Capture Prizes	N/A	12/13/2022	Varies	Varies
Carbon Utilization Procurement Grants	12/13/2022	TBD – Q2 FY2023	TBD	TBD
Carbon Capture Large Pilots	*TBD*	*TBD*	*TBD*	*TBD*
Hydrogen Hubs		*09/22/2022*	*04/07/2023*	*Fall 2023*
Carbon Dioxide Transportation Infrastructure Finance and Innovation (CIFIA) program (loan program)	10/6/2022	N/A	N/A	N/A
Industrial Emissions Reduction (BIL) and Advanced Industrial Facilities (IRA)	*12/22/2022*	*TBD*	*TBD*	*TBD*

Inflation Reduction Act – "45Q" Carbon Capture Tax Credit Modifications

	Old	New
Commence Construction	January 1, 2026	January 1, 2033
DAC Facility	100,000 metric tons/year*	1,000 metric tons/year
Electric Generator	500,000 metric tons/year*	18,750 metric tons/year
All other facilities	100,000 metric tons/year*	12,500 metric tons/year
Saline Storage Credit	$50/metric ton	$85/metric ton (industry and power); $180/metric ton (DAC)
EOR and Conversion Credit	$35/metric ton	$60/metric ton (industry and power); $130/metric ton (DAC)

** Non-EOR Conversion facilities were previously 25,000 metric tons/year regardless of facility/source.*

Notes: New Modifications allows up to 5 years for direct pay (up to 12 years certain entities)

Inflation Reduction Act – "45V" Clean H_2 Production Tax Credit

Commence Construction	January 1, 2033
kg of CO_2 per kg of H_2	Credit Value ($/kg)
4 to 2.5	*0.60*
2.5 to 1.5	*0.75*
1.5 to 0.45	*1.00*
0.45 to 0	*3.00*

Clean hydrogen: lifecycle greenhouse gas emissions rate of no greater than 4 kilograms of CO_2 equivalent ("**CO_2e**") gas per kilogram of hydrogen.

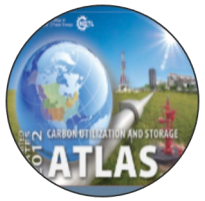
As an alternative to the Clean Hydrogen Production Credit, taxpayers may elect the Section 48 Investment Tax Credit (the "**ITC**") with respect to clean hydrogen production facilities, receiving an ITC of up to 30% depending on the carbon intensity of the production process.

The Clean Hydrogen Production Credit is not available, however, for clean hydrogen produced at a facility that also includes carbon capture equipment for which the Section 45Q carbon capture tax credit is allowed to any taxpayer.

H_2 with Carbon Management
Conversion of carbon-based feedstocks to H2 coupled with carbon management

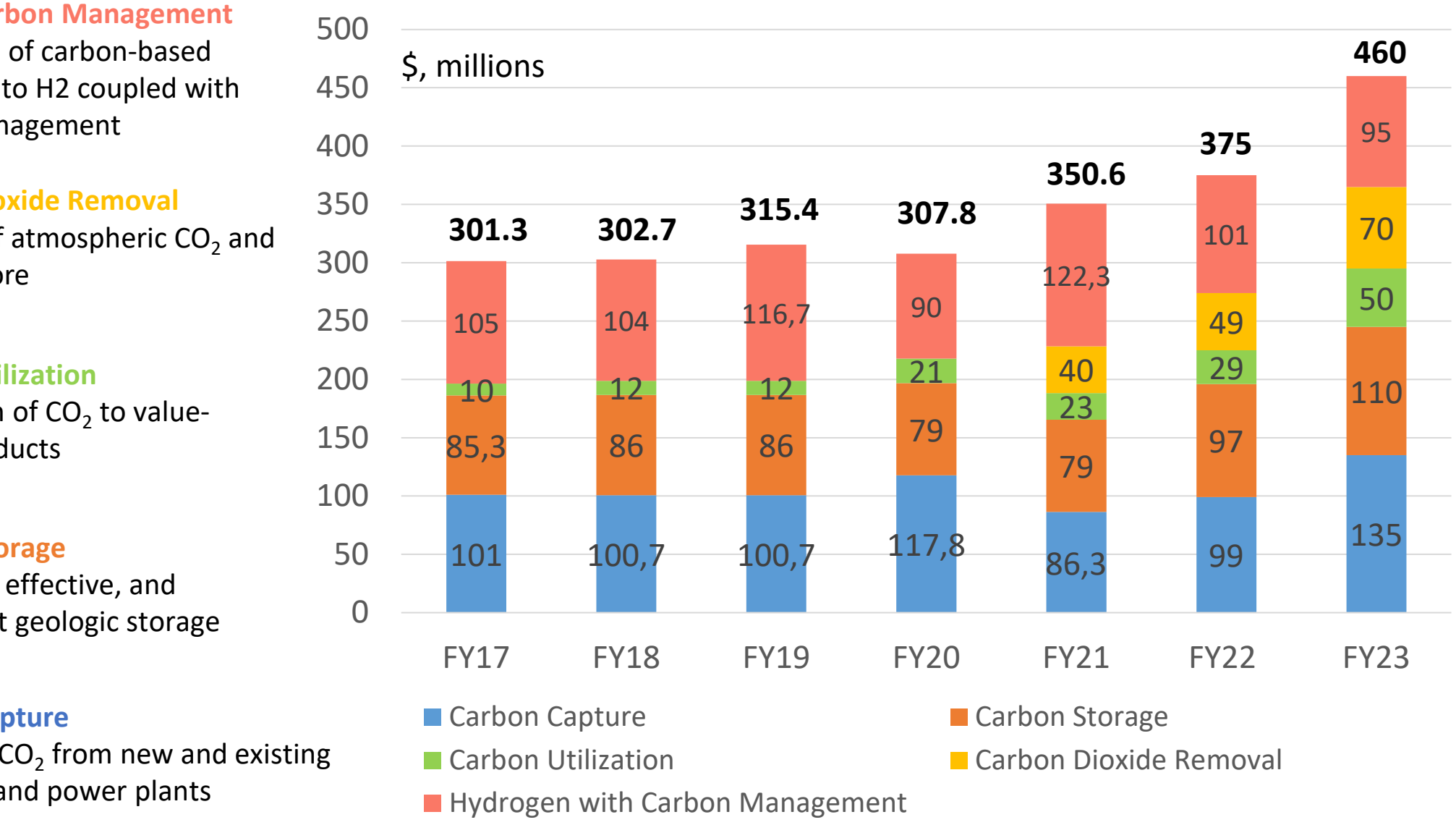
Carbon Dioxide Removal
Removal of atmospheric CO_2 and durable store

Carbon Utilization
Conversion of CO_2 to value-added products



Carbon Storage
Safe, cost- effective, and permanent geologic storage of CO_2

Carbon Capture
Capturing CO_2 from new and existing industrial and power plants



Carbon Negative Shot: Key Performance Elements

Carbon Negative Shot's key performance elements will guide a responsible industry that is responsive to the climate crisis, such that multiple true, durable removal pathways can be deployed at their most affordable cost at the scale required to address the climate crisis.

1. Less than **$100/net metric ton CO_2e** for both capture and storage
2. Robust accounting of full life cycle emissions
3. High-quality, durable storage with costs demonstrated for MRV **for at least 100 years**
4. Enables necessary **gigaton-scale** removal

Hydrogen Energy Earthshot Initiative (HEEI)


ENERGY.GOV
SCIENCE & INNOVATION
ENERGY ECONOMY
SECURITY & SAFETY
SAVE ENERGY, SAVE MONEY

Department of Energy

Secretary Granholm Launches Hydrogen Energy Earthshot to Accelerate Breakthroughs Toward a Net-Zero Economy

JUNE 7, 2021

Home » Secretary Granholm Launches Hydrogen Energy Earthshot to Accelerate Breakthroughs Toward a Net-Zero Economy

First Energy Earthshot Aims to Slash the Cost of Clean Hydrogen by 80% to $1 per Kilogram in One Decade

WASHINGTON, D.C. — Secretary of Energy Jennifer M. Granholm today launched the U.S. Department of Energy's (DOE) Energy Earthshots Initiative, to accelerate breakthroughs of more abundant, affordable, and reliable clean energy solutions within the decade. The first Energy Earthshot—Hydrogen Shot—seeks to reduce the cost of clean hydrogen by 80% to $1 per kilogram in one

DOE's Carbon Matchmaker

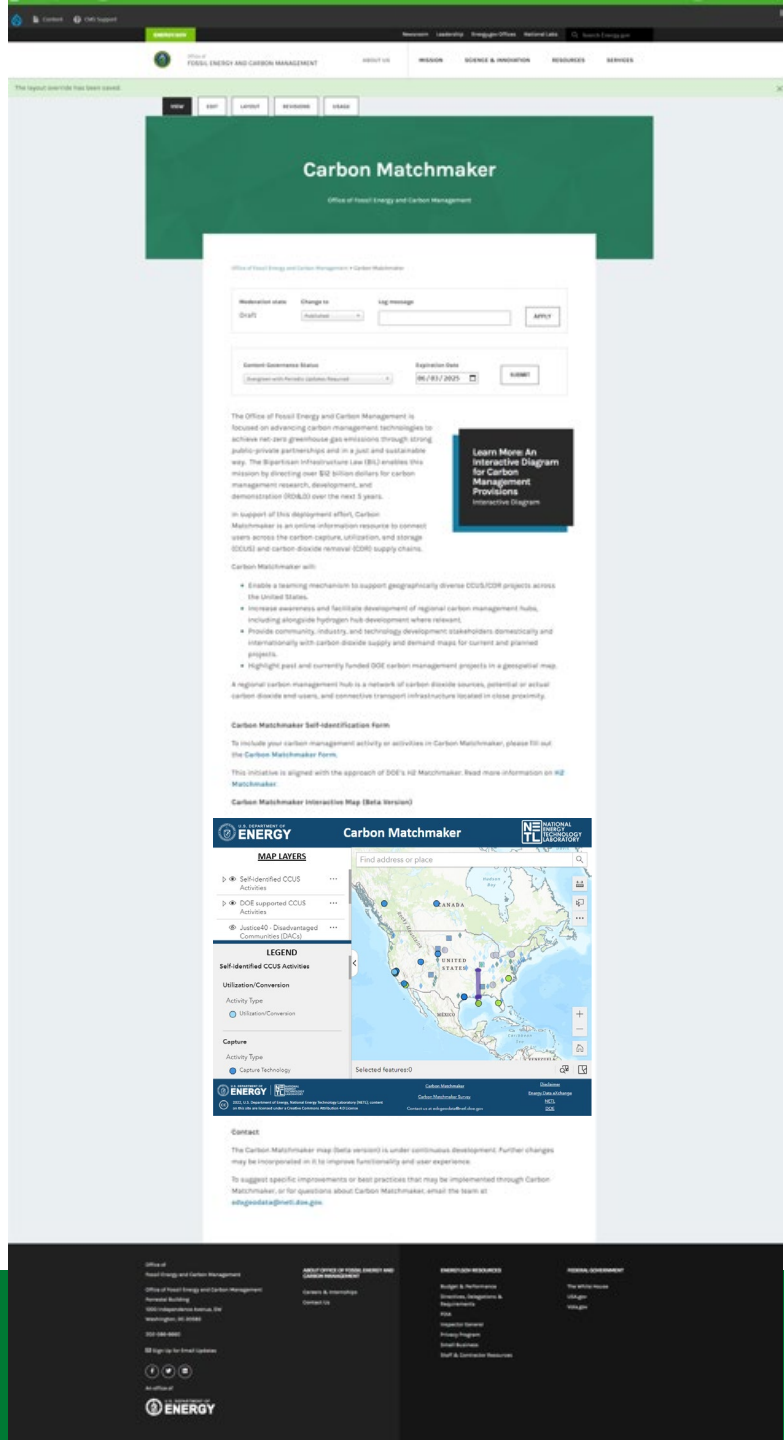
A partnering and teaming tool for DOE carbon management funding opportunities, mirroring DOE's H2 Matchmaker.

Carbon Matchmaker is an online information resource to connect users across the carbon capture, utilization, and storage (CCUS) and carbon dioxide removal (CDR) supply chains.

Carbon Matchmaker will:

- Enable a teaming mechanism to support geographically diverse CCUS/CDR projects across the United States.
- Increase awareness and facilitate development of regional carbon management hubs, including alongside hydrogen hub development where relevant.
- Provide community, industry, and technology development stakeholders domestically and internationally with carbon dioxide supply and demand maps for current and planned projects.
- Highlight past and currently funded DOE carbon management projects in a geospatial map.

https://www.energy.gov/fecm/carbon-matchmaker



DOE Annual Carbon Management Meeting

- Held annually in Pittsburgh, PA, typically in August
- 2022 event: Over 700 registrants
- DOE-funded carbon management projects present
- Includes other Federal agencies, international, etc.
- Excellent opportunities to network and build relationships
- 2022 Event Proceedings: https://netl.doe.gov/events/conference-proceedings
- **2023 Event: August 28-September 1, 2023 in Pittsburgh, PA**

Rune Volla

DIRECTOR, DEPARTMENT FOR
ENERGY AND ENERGY TRANSITION

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7–9 February

Large-scale deployment of CCS depends on comprehensive R&D

Rune Volla is the Director of the Department for Energy and Energy Transition at the Research Council of Norway (RCN). The department covers research and innovation in the whole energy field; renewable energy, energy efficiency and security, energy infrastructure, carbon capture usage and storage and oil and gas.

The Research Council of Norway

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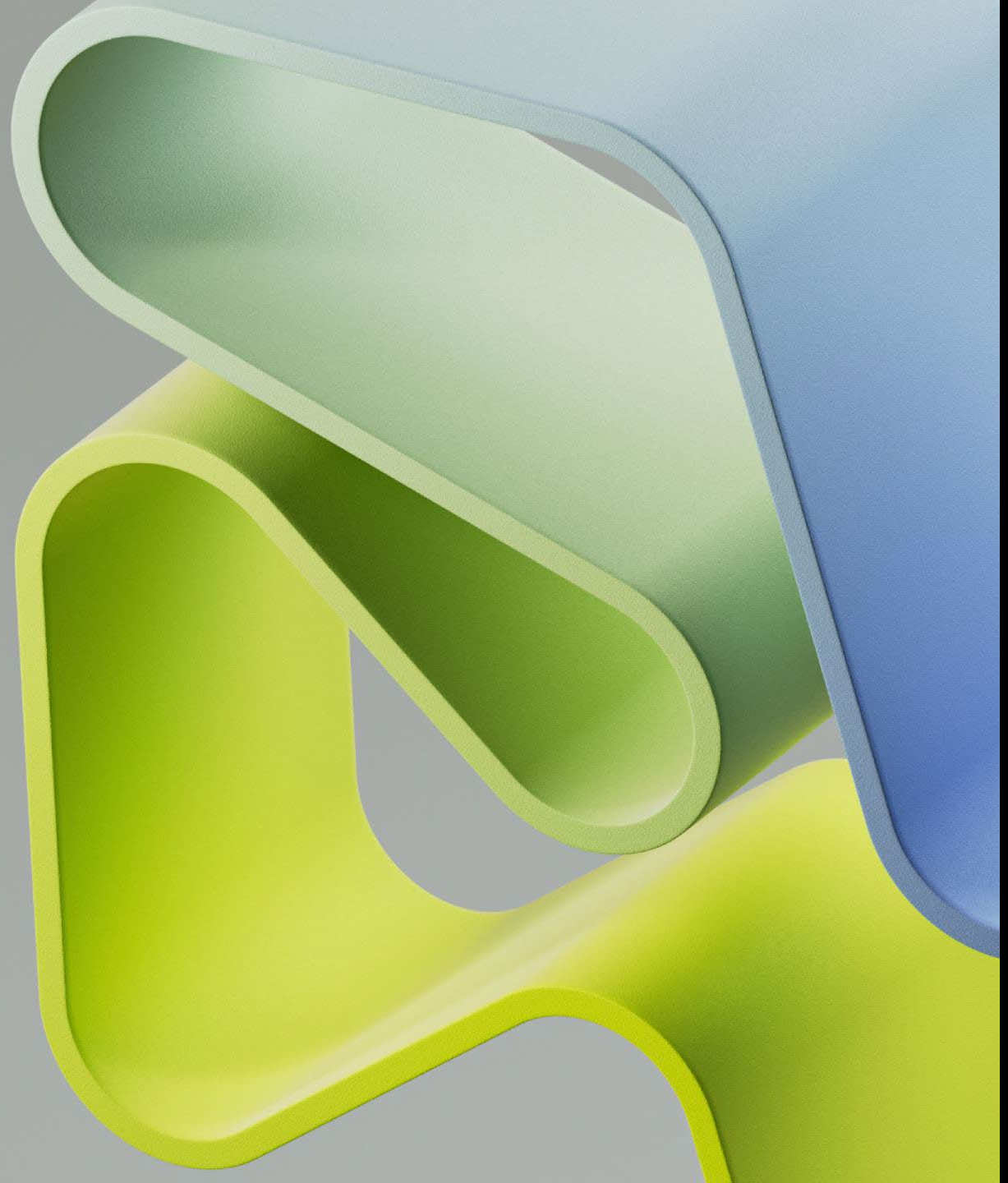
Large-scale deployment of CCS depends on comprehensive R&D

Rune Volla
The Research Council of Norway



Forskningsrådet

Content

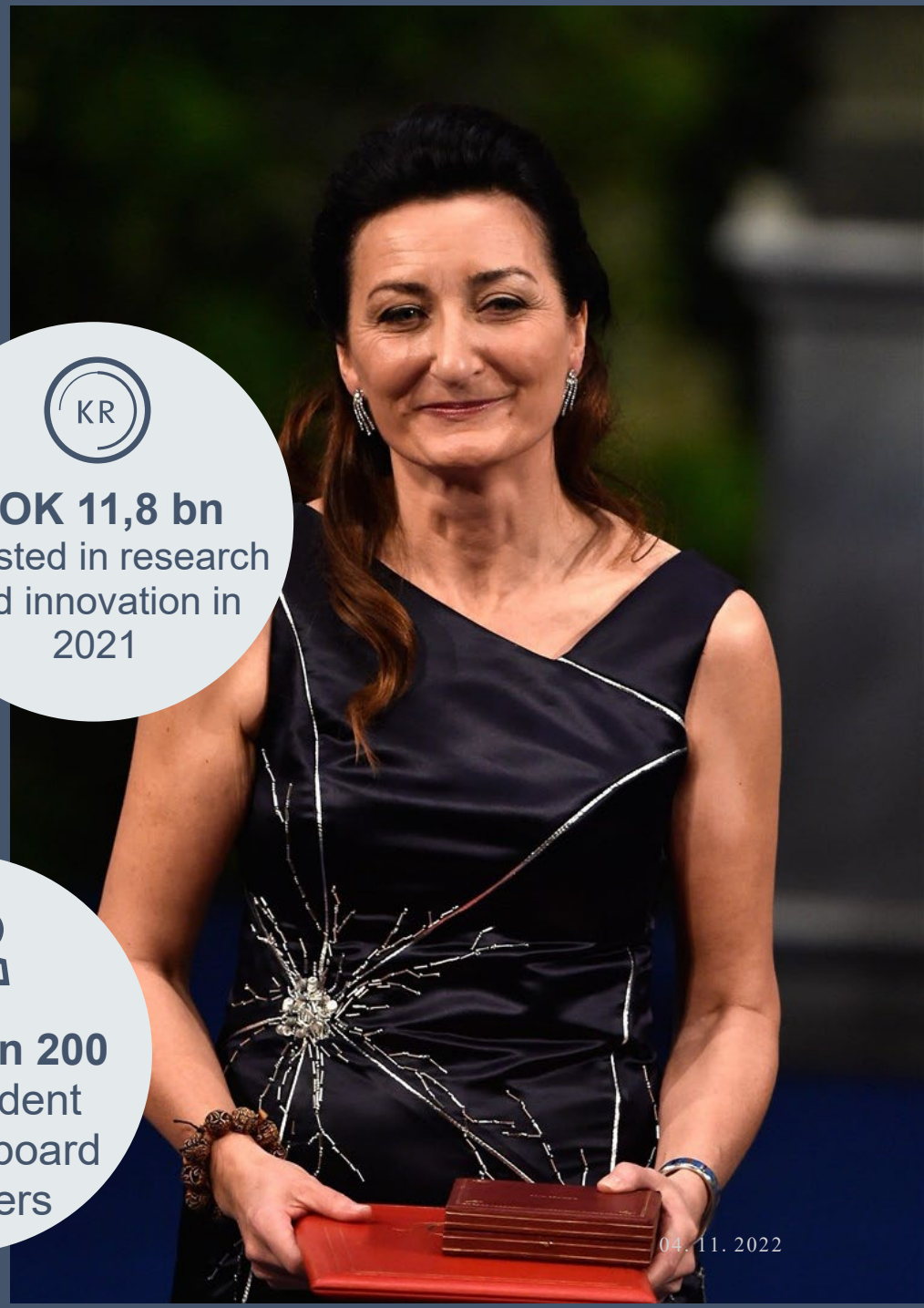
We aim to realize the best possible research and innovation

- We promote a society where research is created, used and shared and contributes to the sustainable solutions the world needs.
- We ensure that the best research and innovation projects are financed.

1750
international referees

NOK 11,8 bn
invested in research and innovation in 2021

More than 200
independent portfolio board members



Content

Funding mechanisms within CCS at the Research Council

- **CLIMIT**
- **Research Centres (FME):**
- **Green Platform**
- **Research Infrastructure (ECCSEL)**
- **International cooperation**
  - ACT – Accelerating CCS Technologies
  - CETP – Clean Energy Transition Platform

Content

Norwegian Centre for Environment-friendly Energy Research (FME)

24 FMEs financed by the Research Council since 2009

- The FMEs:
  - 2009 – 2017: Eight technological centres
  - 2011 – 2019: Three social science centres
  - 2016 – 2024: Eight technological centres
  - 2019 – 2027: Two social science centres
  - 2021 – 2029: One wind energy centre
  - 2022 – 2030: Two hydrogen centres
  - 2023: New call for applications
- Annual financial support from the Research Council: NOK 240 Million (2022)

FME NCCS (Norwegian CCS Research Center) represented by director Mona Mølnvik and chairman of the board Tord Lien.

Content

Collaboration between funding agencies

- Green Growth – agreement signed 17 January 2022 by the Research Council, Innovation Norway, ENOVA, and SIVA
- All forms of cooperation when
  - it contributes to the aims and objectives of the parties
  - it provides added value beyond what the parties could have achieved alone
  - a common goal is established

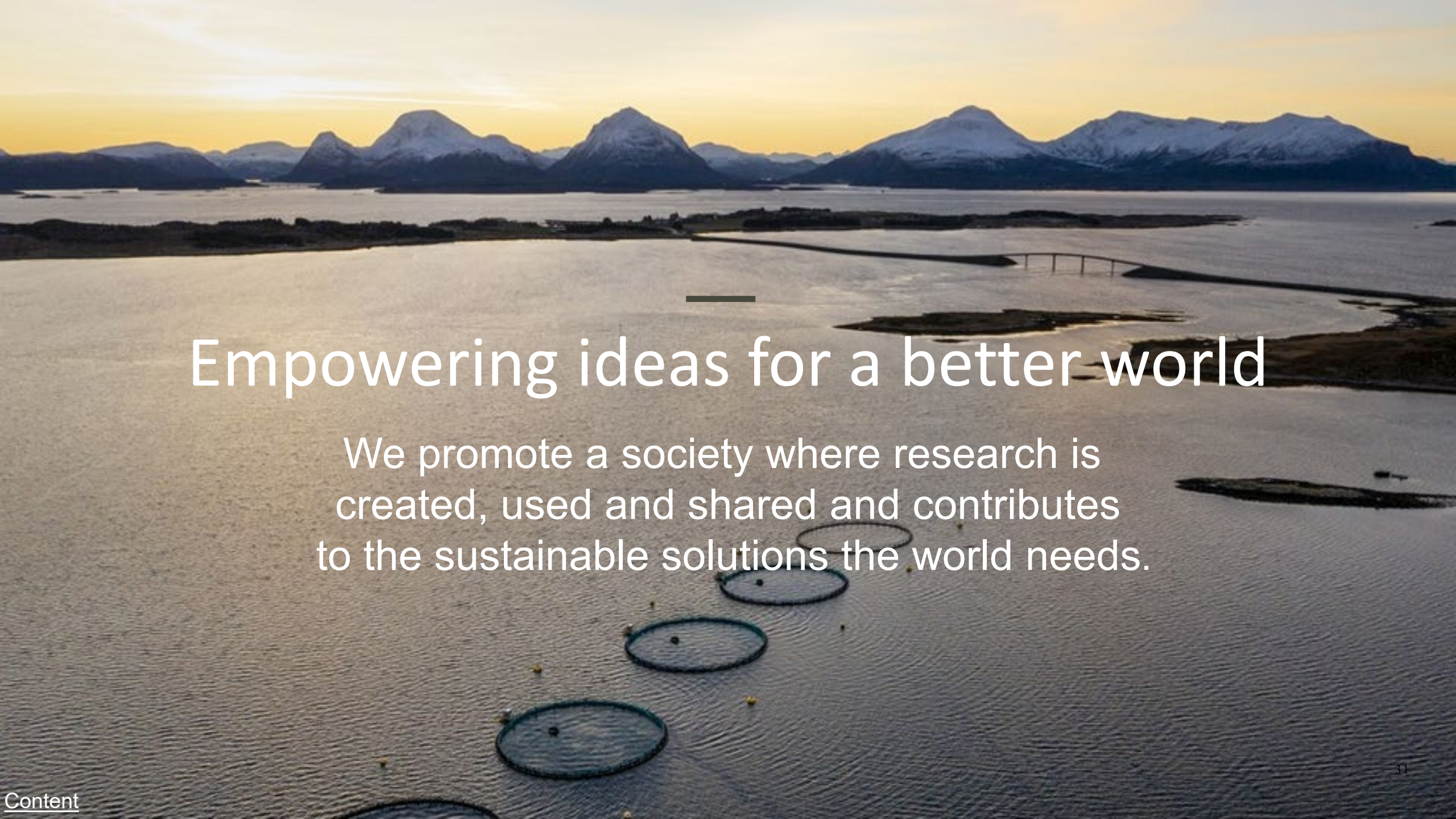
- Operationalisation
  - CLIMIT (The Research Council and Gassnova)
  - Calls for applications (Pilot-E and Green Platform)
  - HEILO Hydrogen
  - HEILO Offshore Wind and HEILO CCS to be announced this spring

Content

The way forward for CO_2 capture and storage includes continued focus on research and innovation

- R&D in parallel with full-scale demonstration
- Deploying CCS is an iterative process with research and demonstration in parallel
- Cooperation academia and industry
- From basic to applied research
- International RD&D projects
- Combine social science and technical research

The CLIMIT program will play a key role



Empowering ideas for a better world

We promote a society where research is created, used and shared and contributes to the sustainable solutions the world needs.

Content

Aage Stangeland

SPECIAL ADVISER

CLIMIT SUMMIT

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7–9 February

ACT & CETP: How International Collaboration Fosters CCUS Research and Innovation

Aage is coordinating activities within CCS at the Research Council of Norway. The main responsibility is the national program for RD&D within CCS, CLIMIT. He is also following up on international cooperation within CCS.

The Research Council of Norway

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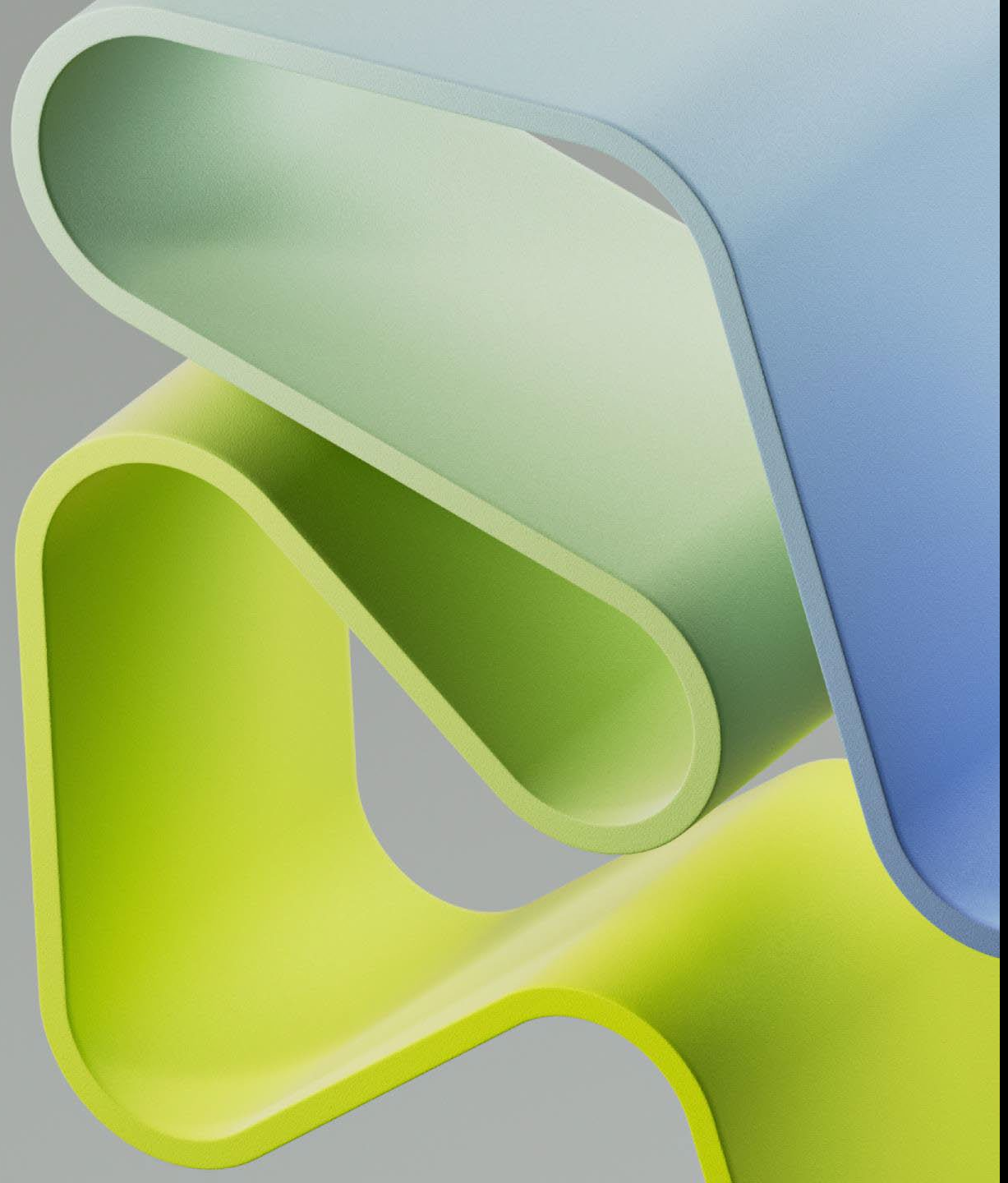
ACT & CETP:
How International Collaboration Fosters CCUS Research and Innovation

Aage Stangeland
The Research Council of Norway



Forskningsrådet

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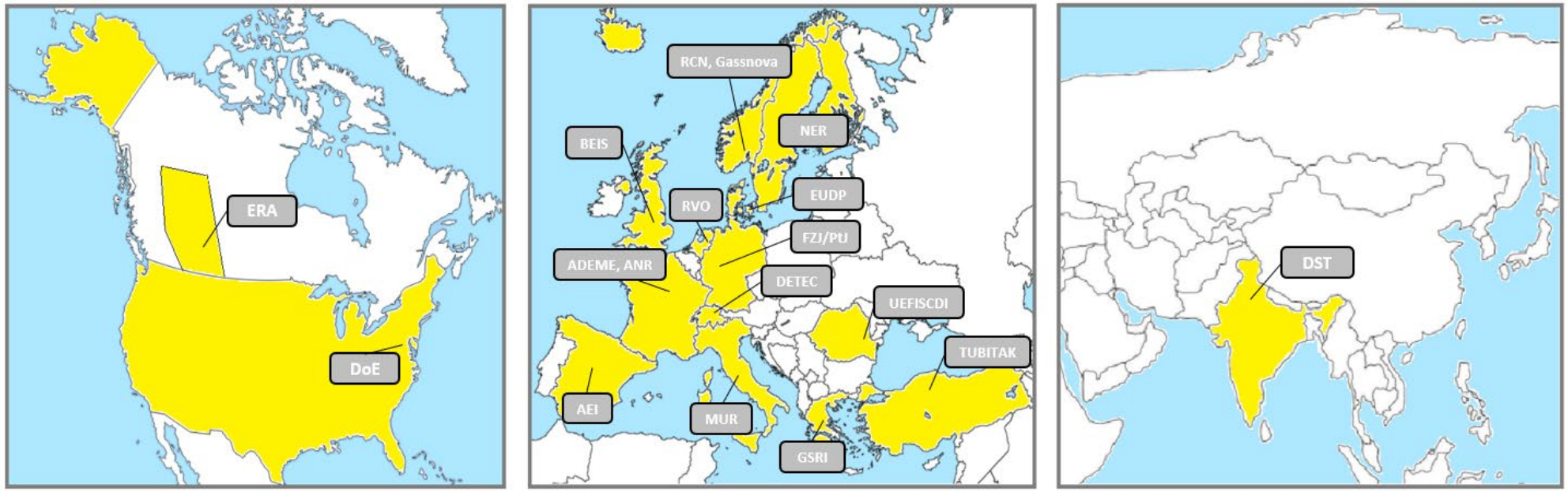
ACT – Accelerating CCS Technologies

This is ACT

- Funding agencies from Europe, India, Canada and USA, coordinated by the Research Council of Norway
- Aims to accelerate and mature CCUS technologies
- Makes funds available for R&D and innovation projects.



Co-funded by the European Commission within the Horizon 2020

Status for the ACT calls

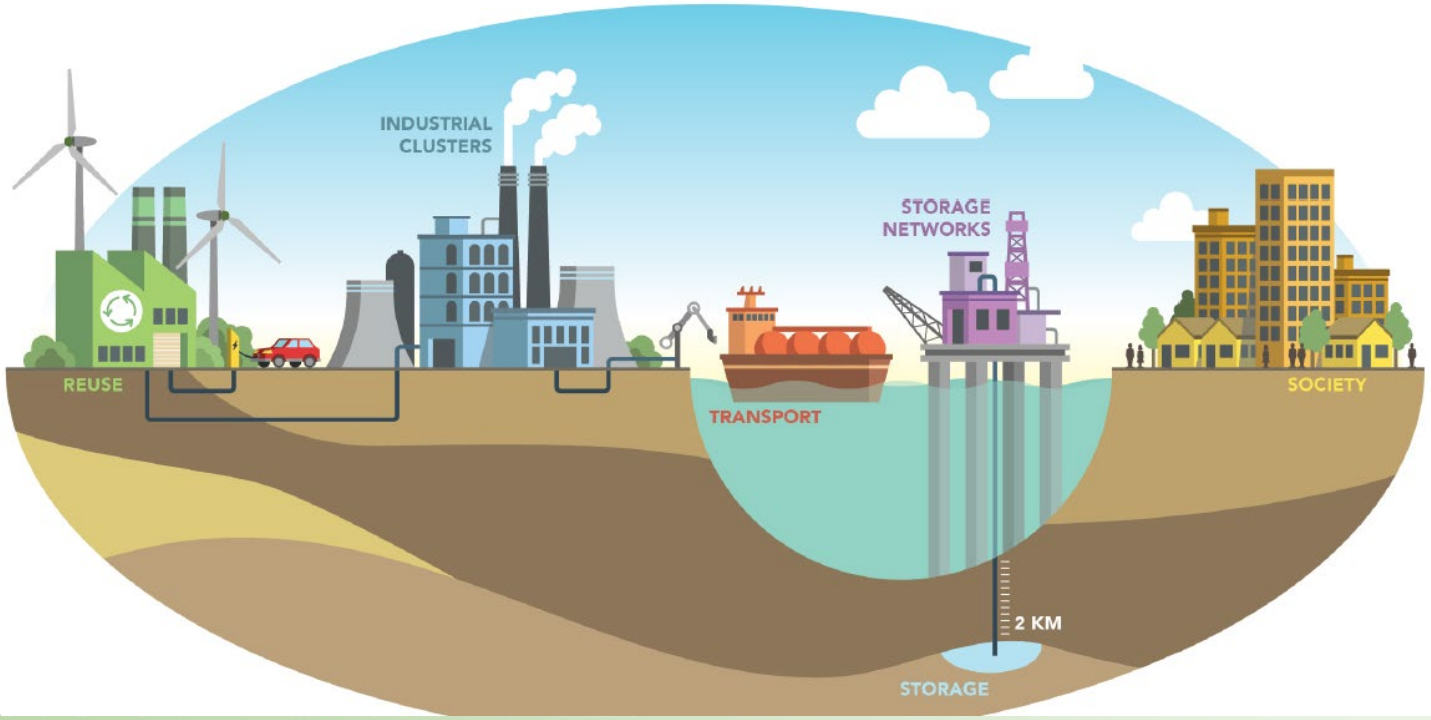
ACT has funded 39 projects with a total of € 108 M

2017 ACT1	2019 ACT2	2021 ACT3	2022 ACT4	ACT Open Call
• Funding agencies from 9 countries • Eight new projects started in 2017 • € 35 M from ACT of which € 11 M from EC	• Funding agencies from 11 countries • 12 new projects started in 2019 • € 32 M from ACT	• Funding agencies from 15 countries • 13 new projects starting late 2021 • € 29 M from ACT	• Funding agencies from 5 countries • 6 new projects starting late 2021 • € 12 M from ACT	• Funding agencies from 4 countries • Targeting industrial projects • **The Call is open for applications!**

Co-funded by the European Commission within the Horizon 2020

Project example: ALIGN CCUS

ALIGN addressed specific issues across the CCUS chain, enabling large-scale, cost-effective implementation of CCUS by 2025.



ALIGN delivered actionable blueprints in ERA-NET ACT countries:

- Teesside and Grangemouth (UK)
- Rotterdam (NL)
- North Rhine-Westphalia (DE)
- Grenland (NO)
- Oltenia (RO)

The blueprints should be usable for other industrial clusters.

Co-funded by the European Commission within the Horizon 2020

Project example: Pre-ACT

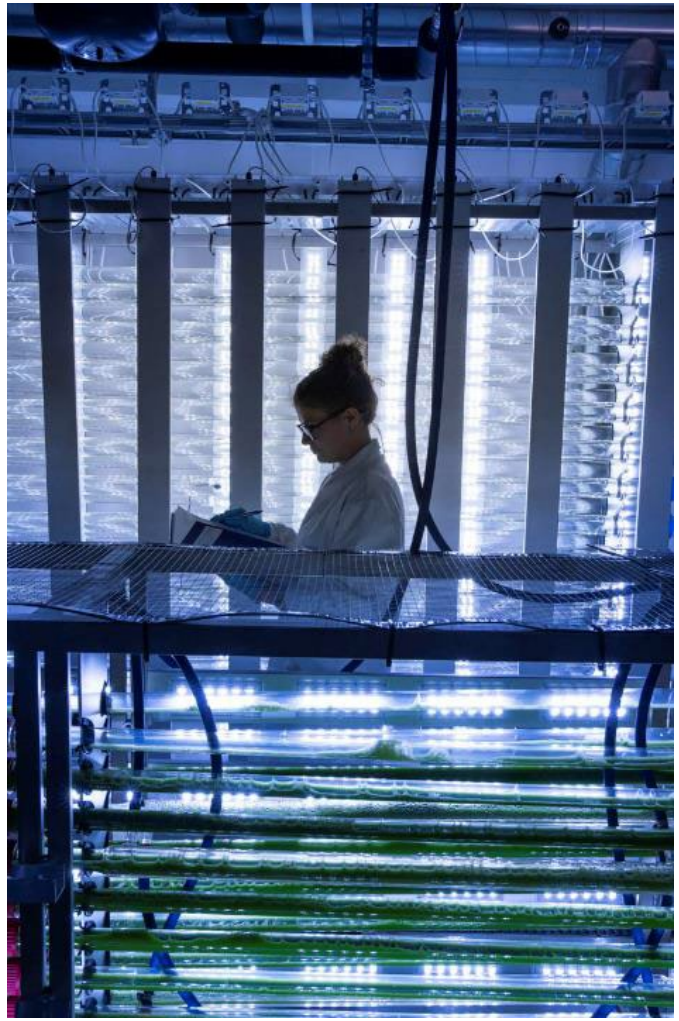
Results

- Developed workflows for pre-injection modelling, monitoring, conformance verification, and decision making.
- Project results of high interest for operators planning full-scale CO_2 storage.

Co-funded by the European Commission within the Horizon 2020

Effects of increased international cooperation

- Efficient flow of knowledge, competence, and data across borders.
- Higher budgets for RD&I within CCUS than would have been the case without ACT.
- Alignment of national RD&I strategies.
- The projects funded by ACT have closed knowledge gaps.
- Results created by ACT funded projects are to a large extent available for international researchers, industrial stakeholders, and decision makers.



Co-funded by the European Commission within the Horizon 2020

ACT Impacts

- Larger projects with higher impact than what would have been possible with only national projects.
- Well-functioning RD&I collaboration across borders.
- Strong relations between academia and industry.
- International cooperation already in the research phase increases chances for transnational large-scale implementation of CCUS.
- Results from ACT projects are relevant for the European Strategic Energy Plan (SET-plan) and for Mission Innovation.
- Important contributions to dissemination of key messages beyond the scientific community.

Co-funded by the European Commission within the Horizon 2020

The new Big Thing:
Clean Energy Transition Partnership (CETP)

Content

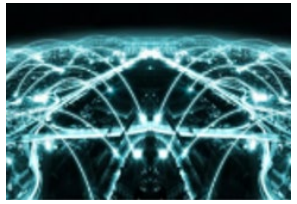
Clean Energy Transition Partnership (CETP)

CETP Management

CCUS & renewable fuels

Zero emission power

Heating & cooling



Energy systems

Regional energy systems

Industrial energy systems

Buildings

CETP call for applications 2022

Content

CETP will have annual calls for applications

CETP Call 2022

- Due date for pre-proposals September 2022
- Due date for full application 27 March 2023
- New projects will be announced this summer
- Funding agencies from 30 countries
- Call budget: € 143 M

CETP Call 2023

- The call will be published this summer
- Due date for pre-proposals autumn 2023
- Details will be available at the CETP website: https://cetpartnership.eu/

Mark Ackiewicz

DIRECTOR, OFFICE OF CARBON MANAGEMENT TECHNOLOGIES

Mission Innovation

Mr. Mark Ackiewicz is the Director for the U.S. Department of Energy Office of Carbon Management Technologies. In this role, Mark is responsible for planning, management, and administration of the Office's RDD&D portfolio.

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Carbon Dioxide Removal (CDR) Mission

Mark Ackiewicz, Mission Director
U.S. Department of Energy

CLIMIT Summit, February 8, 2023

Content

About the Mission

Launched at COP-26, Scotland November 2021

Coalition:

- Co-leads – Canada, Saudi Arabia, United States
- Members – Australia, EC, India, Japan, Norway, United Kingdom

Always open for additional members

Goal:

"100 in 10" – Enable CDR technologies to achieve a net reduction of 100 million metric tons of CO_2 per year globally by 2030.

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Scope

Technological CDR approaches, including:

- Direct Air Capture (DAC)
- Enhanced mineralization
- Biomass with carbon removal and storage (BiCRS)

Emphasis on secure CO_2 storage and conversion into long-lived products.

MI CDR Activities to Date

- Several workshops – Life Cycle Analysis, Roadmapping and Action Plan, BiCRS webinar
- Released Roadmap and Action Plan at Global Clean Energy Action Forum (GCEAF) in September 2022
- Released BiCRS Technical Track Scope of Work
- Increasing presence at other events (COP 27)

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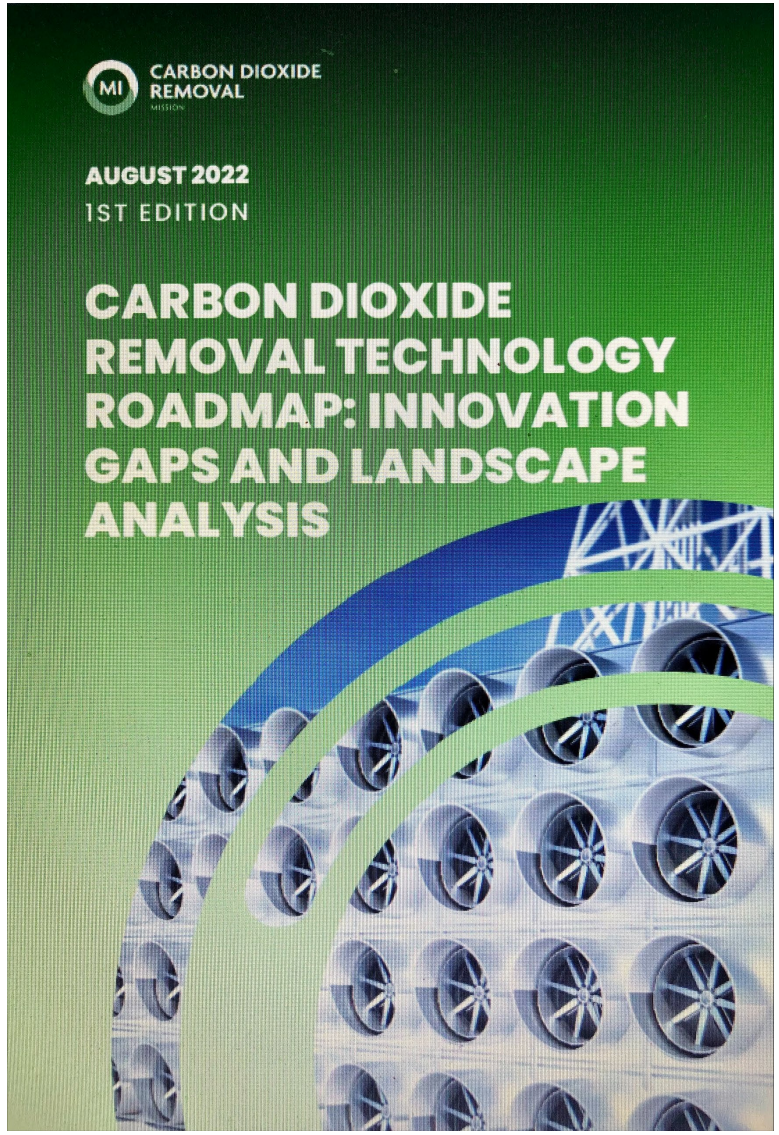
Roadmap Priority R&D Directions

Technical Track	Top Innovation Priorities
Direct Air Capture with Storage	Energy use Material performance CO_2 capture and desorption kinetics Environmental impacts and siting
Enhanced Mineralization	Mineralization kinetics Energy use, land use, and environmental impacts
Biomass with Carbon Removal and Storage	Biomass feedstocks (e.g., optimizing or advancing our understanding of opportunities with various feedstocks) System logistics (e.g., evaluating biomass availability, value chains, and ensuring that processing occurs close to biomass sources) Utilization
Cross-cutting	Life cycle analysis Techno-economic analysis Measurement, monitoring, and verification



Content

Action Plan: Outcomes and Actions

Outcome # 1: Enhanced understanding of local and global CDR potential

- LCA case studies
- CDR resource mapping

Outcome # 2: Advancement of Research and Development (R&D) for CDR (*Possible future actions*):

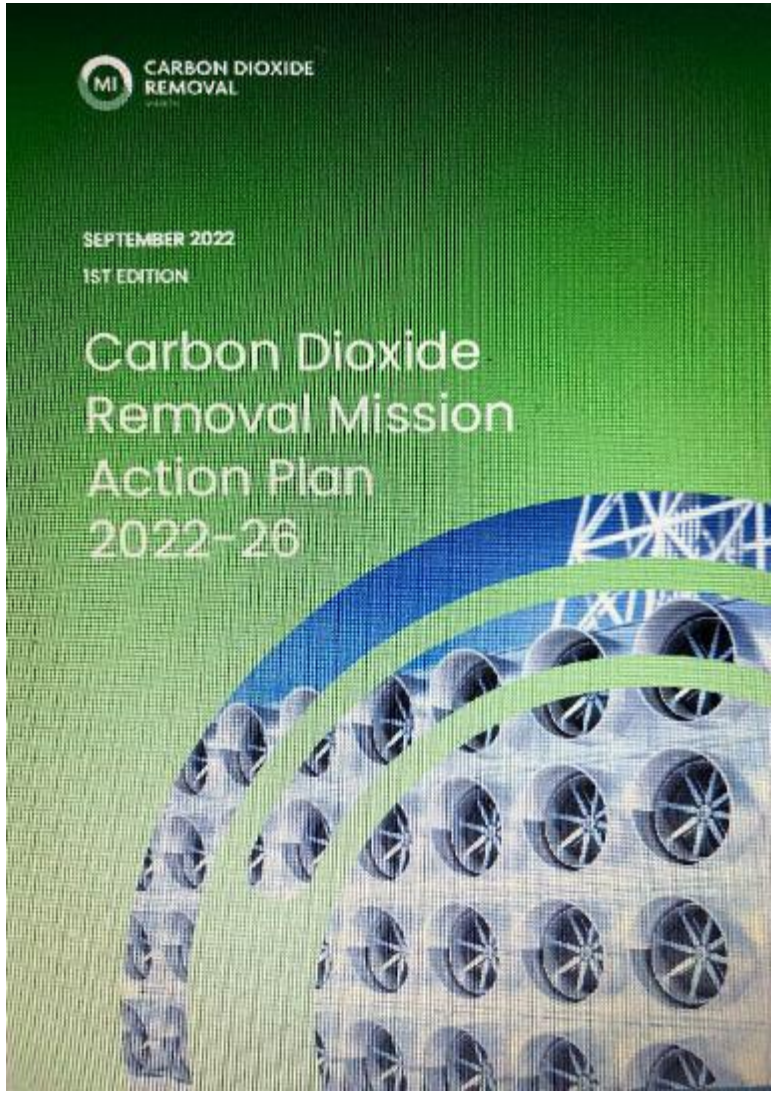
- Joint R&D funding call
- Global CDR Community Testing Sites

Outcome # 3: Global demonstrations and pilot-scale tests

- CDR Launchpad: Pilot-scale/demo projects

Crosscutting Activities (*Possible future actions*):

- International Guidelines and Common Approaches
- Joint prize competition
- Collaboration with other MI Initiatives



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COP27 high level takeaways for CDR

- Increasing recognition globally of role that CDR will play as a climate solution
- Not much progress on Article 6
- Many side events with CDR
- **Mission Innovation CDR Launchpad event a success!**

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MI CDR Launchpad

- First-wave members include Canada, the European Commission, Japan, Norway, the United Kingdom, and the United States.
- Launchpad members commit to:
  - Build at least one, 1,000+ tonne CO_2 per year CDR project by 2025
  - Share data and information from the projects, with the aim to improve databases for life cycle analysis (LCA), technoeconomic analysis and regulatory requirements
  - Provide in-kind support to: Advance robust measurement, reporting, and verification (MRV) efforts for CDR projects by supporting a new "CDR MRV working group"

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Mission Innovation CDR Launchpad side event

- Ministers and senior representatives from six countries participated
  - Hosted by Denmark
- Remarks and panel discussion
- Sparked interest from additional countries
- Build momentum for sprint
- Media:
  - Video recording available on MI website
  - MI Secretariat Press Release
  - Social media, blogs, news outlets

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MI CDR Priorities for 2023

1. Build upon Roadmap and Action Plan Progress to Date

2. Tracking progress
   - Develop/refine KPIs (input and outputs)

3. Maximizing opportunities for collaboration
   - Take advantage of synergies between Missions
   - Identify opportunities for private sector engagement

4. Maintaining momentum
   - Launch new MRV Working Group
   - Initiate new sprint(s) and/or report meaningful progress on existing sprint(s)
   - Maintaining political engagement

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Upcoming Events

MI Annual Gathering

- March 20-23, 2023 in Rio de Janeiro, Brazil.
- Opportunity to: (a) report on progress and flag challenges to senior MI officials; (b) network with other Missions, CEM initiatives; (c) share best practices

8th Mission Innovation Ministerial / 14th Clean Energy Ministerial

- July 21, 2023 in Goa, India
- Opportunity for Ministers to announce new initiatives and report on progress.

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- Continue to amplify mission

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