

# MISSION INNOVATION

Accelerating the Clean Energy Revolution

## Carbon Capture Innovation Challenge Workshop #2

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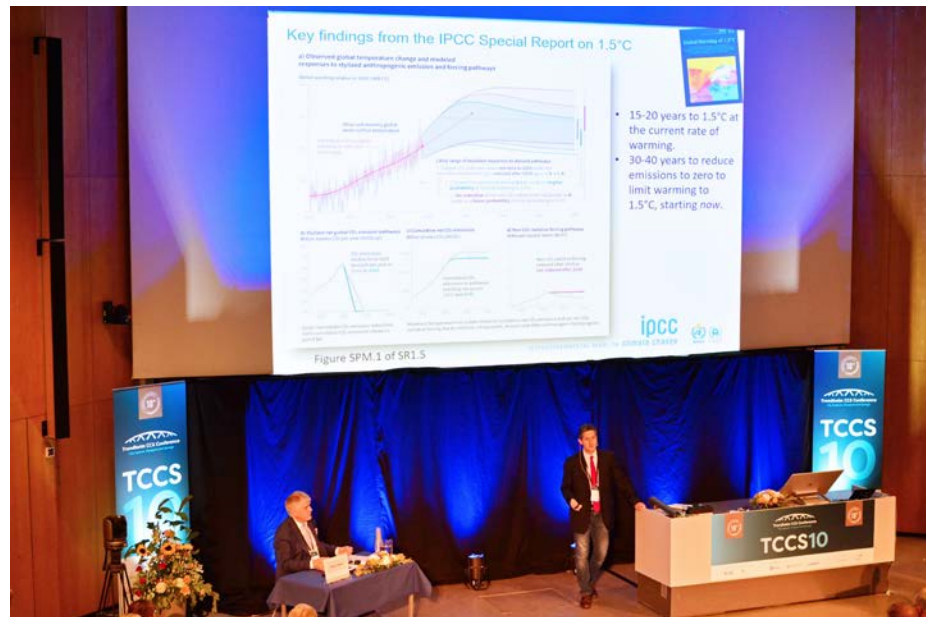


وزارة الطاقة والصناعة والثروة المعدنية  
المملكة العربية السعودية  
Ministry of Energy, Industry, and Mineral Resources  
The Kingdom of Saudi Arabia

# Mission Innovation – WS- Trondheim



# A full CCS week in Trondheim



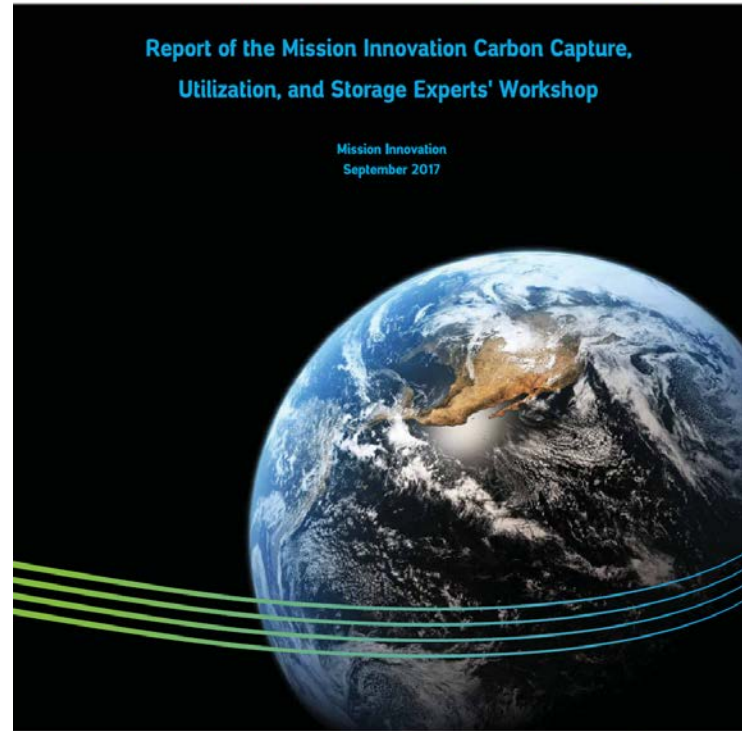
# MISSION INNOVATION

Accelerating the Clean Energy Revolution

## Accelerating Breakthrough Innovation in Carbon Capture, Utilization, and Storage

Report of the Mission Innovation Carbon Capture,  
Utilization, and Storage Experts' Workshop

Mission Innovation  
September 2017



# Workshop #2 - Focus

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**This workshop** will focus on strengthening collaboration between industry sectors and research institutions, and public and private sector:

- by identifying RD&I gaps of common interest in technologies at higher TRL

The intention is to focus on potentials and possibilities, that could yield results and full-scale implementation in the short to medium-term perspective.

# Why are we here?- Expectations

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The objective of the workshop is to contribute in transferring early (low TRL) research activities to development and innovation activities (higher TRL) by developing guidance and development paths for emerging CCUS technologies, and suggestions for new and joint development activities, with the aim of accelerating the commercialization and implementation process.



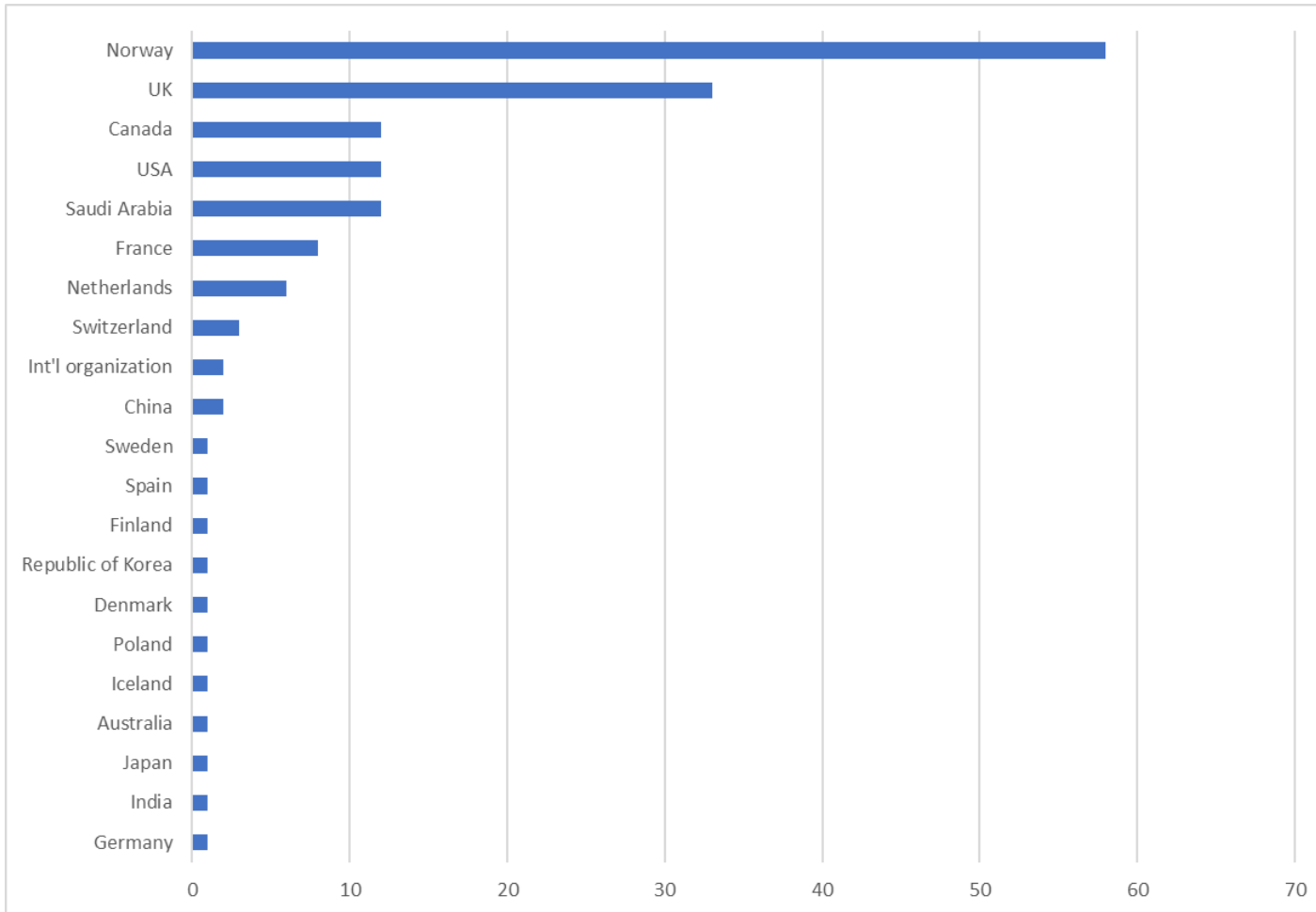
The outcome will be a brief report consisting of:

the guidance and development path documents produced during the workshop

proposals for new and joint development and innovation activities

a summary of the workshop discussions

# MI countries present

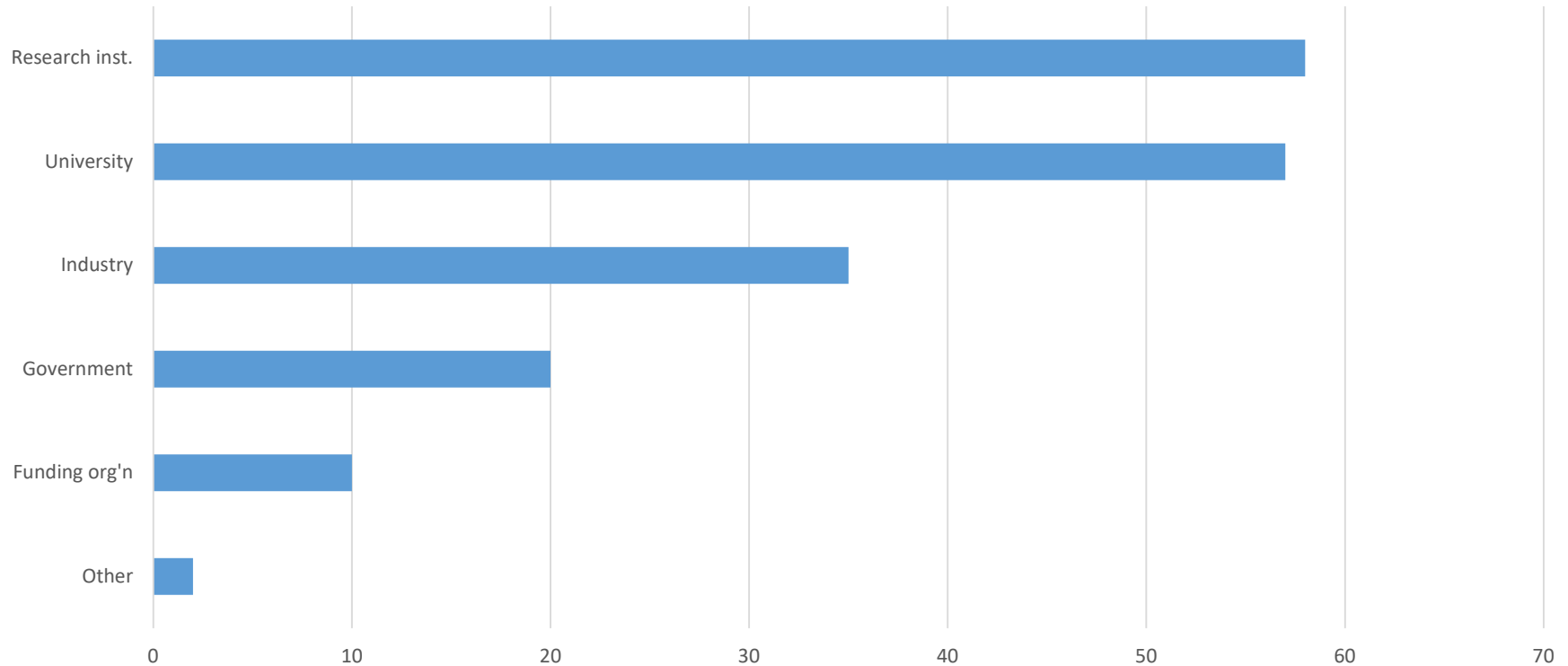


Germany	1
India	1
Japan	1
Australia	1
Iceland	1
Poland	1
Denmark	1
Republic of Korea	1
Finland	1
Spain	1
Sweden	1
China	2
Int'l organization	2
Switzerland	3
Netherlands	6
France	8
Saudi Arabia	12
USA	12
Canada	12
UK	33
Norway	58
<b>Total</b>	<b>159</b>

# Network opportunities

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Registrations by organization





# Programme

## June 19

1700	<b>Welcome and introduction</b> Program, expectations, follow-up from Houston workshop		
1730	Introductory presentations		
1900	Dinner (buffet-style) (Briefing session for Session Chairs and Secretaries)		
2000	Session 1 <b>Decarbonizing industry sectors</b>	Session 2 <b>The role of CCS in enabling clean hydrogen</b>	Session 3 <b>Storage and CO2 networks</b>
2100			
2200			

## June 20

0830	Session 1 <b>Decarbonizing industry sectors</b>	Session 2 <b>The role of CCS in enabling clean hydrogen</b>	Session 3 <b>Storage and CO2 networks</b>
1000	Session 4 <b>Storage monitoring</b>	Session 5 <b>Going climate positive</b>	Session 6 <b>CO2 utilization</b>
1200	Lunch		
1245	Session 4 <b>Storage monitoring</b>	Session 5 <b>Going climate positive</b>	Session 6 <b>CO2 utilization</b>
1415	Reporting session		
1530	Busses leave for airport		

# Sessions

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## Questions to be discussed under each topic:

1. Which opportunities are identified from an industrial point of view?
2. How do we most effectively get from research to commercial product?
  - a. What steps are needed?
3. What joint activities could be established to accelerate technology development and implementation?
  - a. How can joint action accelerate deployment?
  - b. Business models: What funding instruments are/could/would be effective?
  - c. Mobilizing national efforts towards international efforts
  - d. Public-private partnership, co-funding

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