

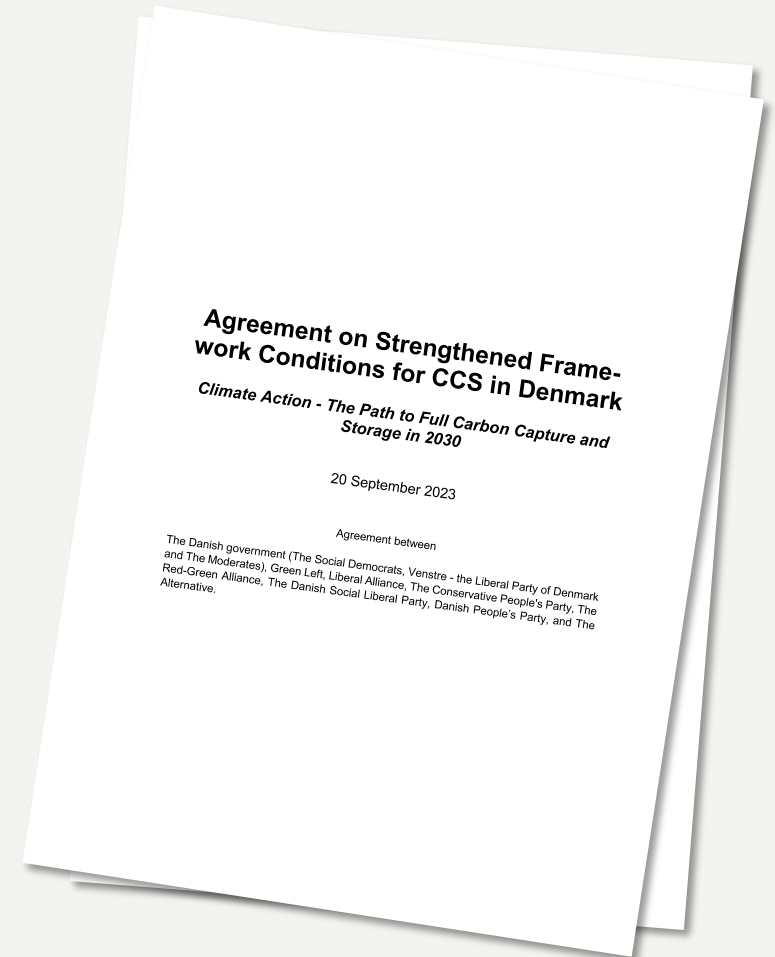
# STATUS ON CCS IN DENMARK

SUNE STRØM, MINISTER COUNSELLOR, ECONOMIC DIPLOMACY AND ENERGY  
THE ROYAL DANISH EMBASSY TO JAPAN

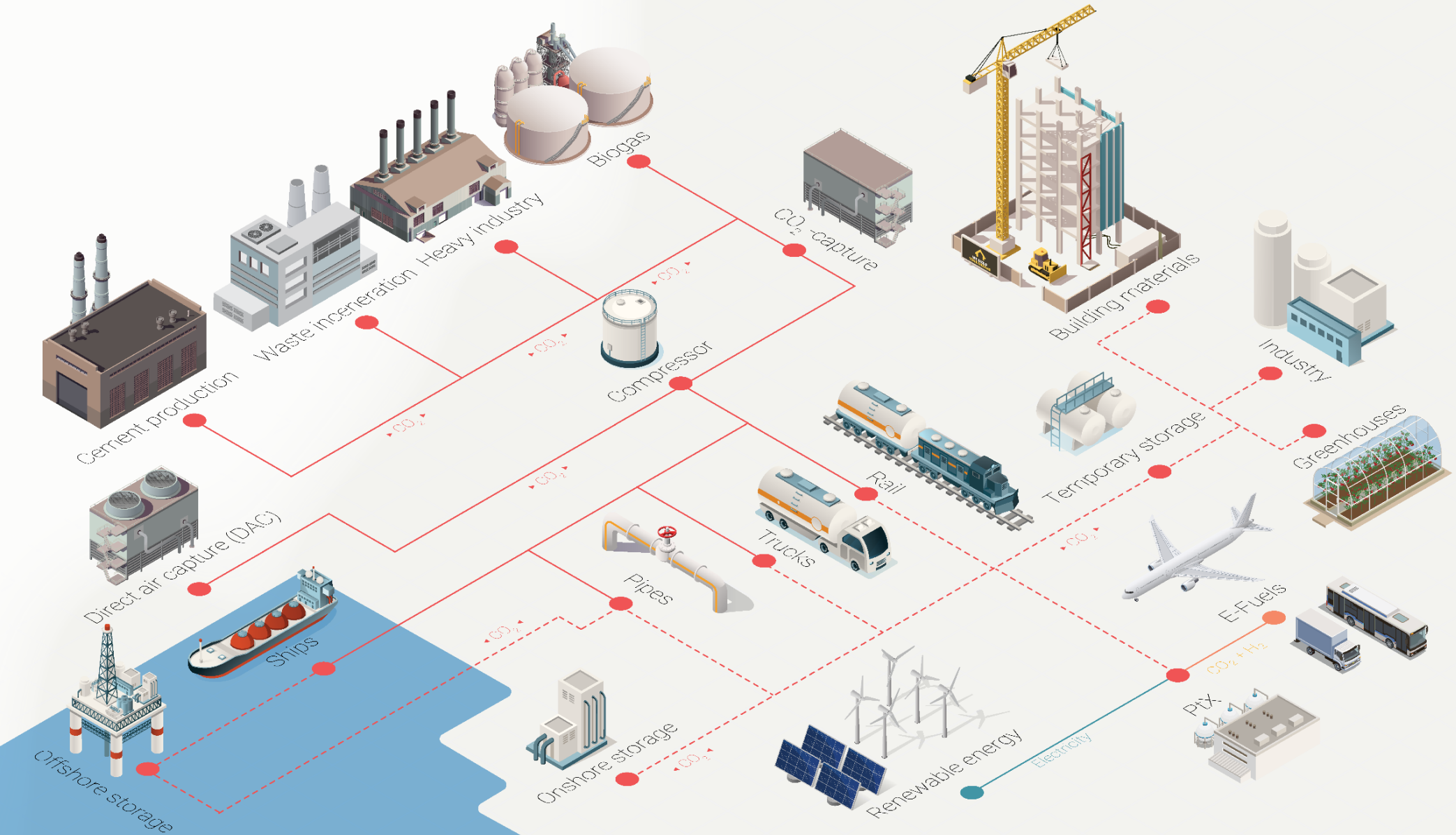


# NEW POLITICAL AGREEMENT ON CCS ON SEPTEMBER 20<sup>TH</sup>

- Allocates future funds for CCS tenders in Denmark (in two phases)
  - >26 billion DKK / ~3.6 billion EUR / ~567 billion JPY
  - At least 34 million tons of CO<sub>2</sub> captured and stored in total
- Allows private and public ownership of CCUS infrastructure
- Establishes that the Danish North Sea Fund will hold a 20 pct. stake in all licenses



# DANISH VALUE CHAINS FOR CCS

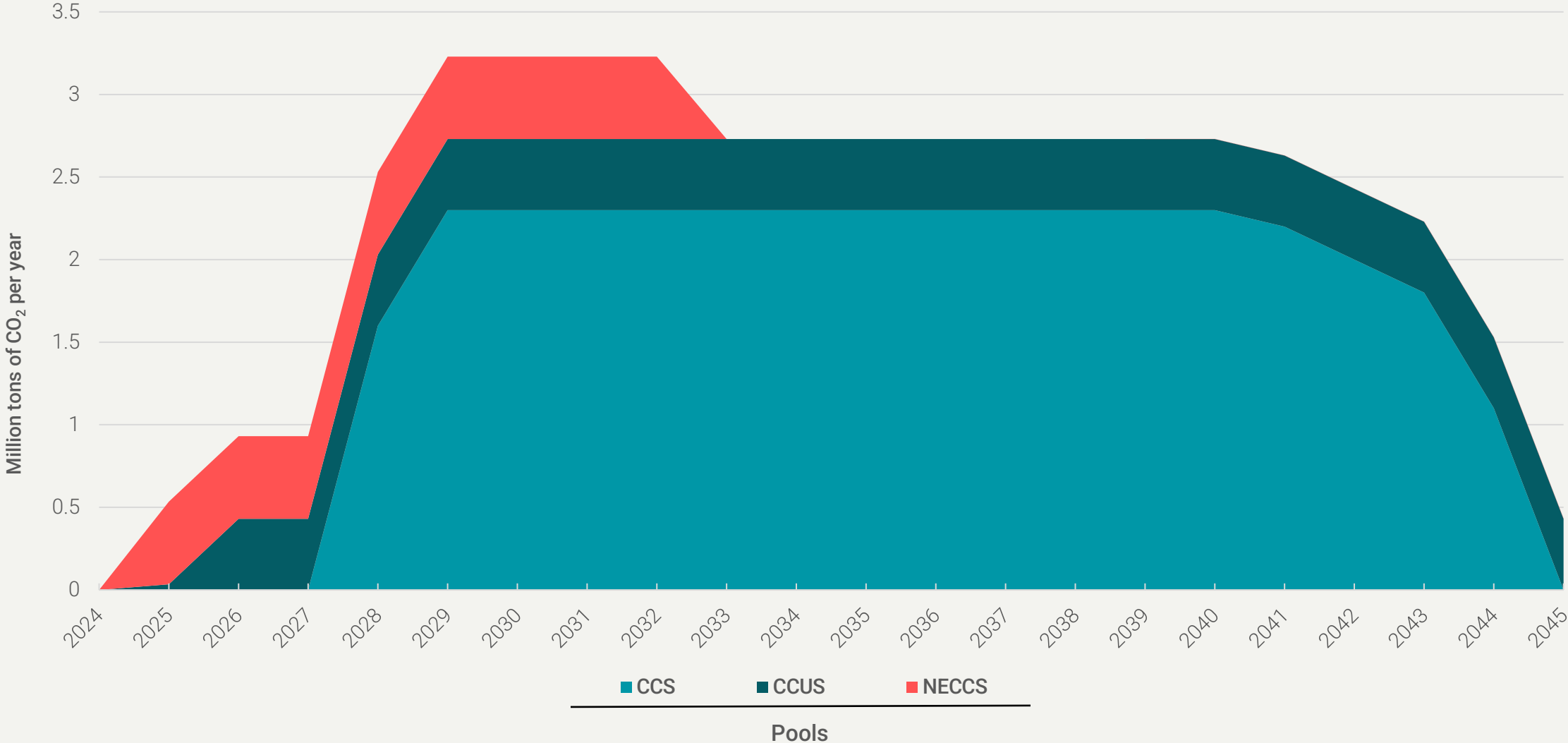


# CONTRACT WITH ØRSTED MAY 15<sup>TH</sup> THIS YEAR

- First slice of 8,1 billion DKK of the CCUS scheme tendered and contract awarded (~1,1 billion EUR/~170 billion JPY)
- Based on competitive tender (three prequalified companies, 2 tenders received)
- Contract awarded to capture facility and permanently stored volumes
- 20 year contract entered with Ørsted to capture 430.000 tCO<sub>2</sub> p.a. from 2026. Start 2025.
  - Sustainable biogenic emission reductions
  - MoU between Ørsted, Aker Carbon Capture and Microsoft to explore ways to support the development of carbon capture and storage at biomass-fired heat and power plants in Denmark
  - Voluntary credits purchased by Microsoft (2,76 Mt over 11 year) contribute to the financing of the project

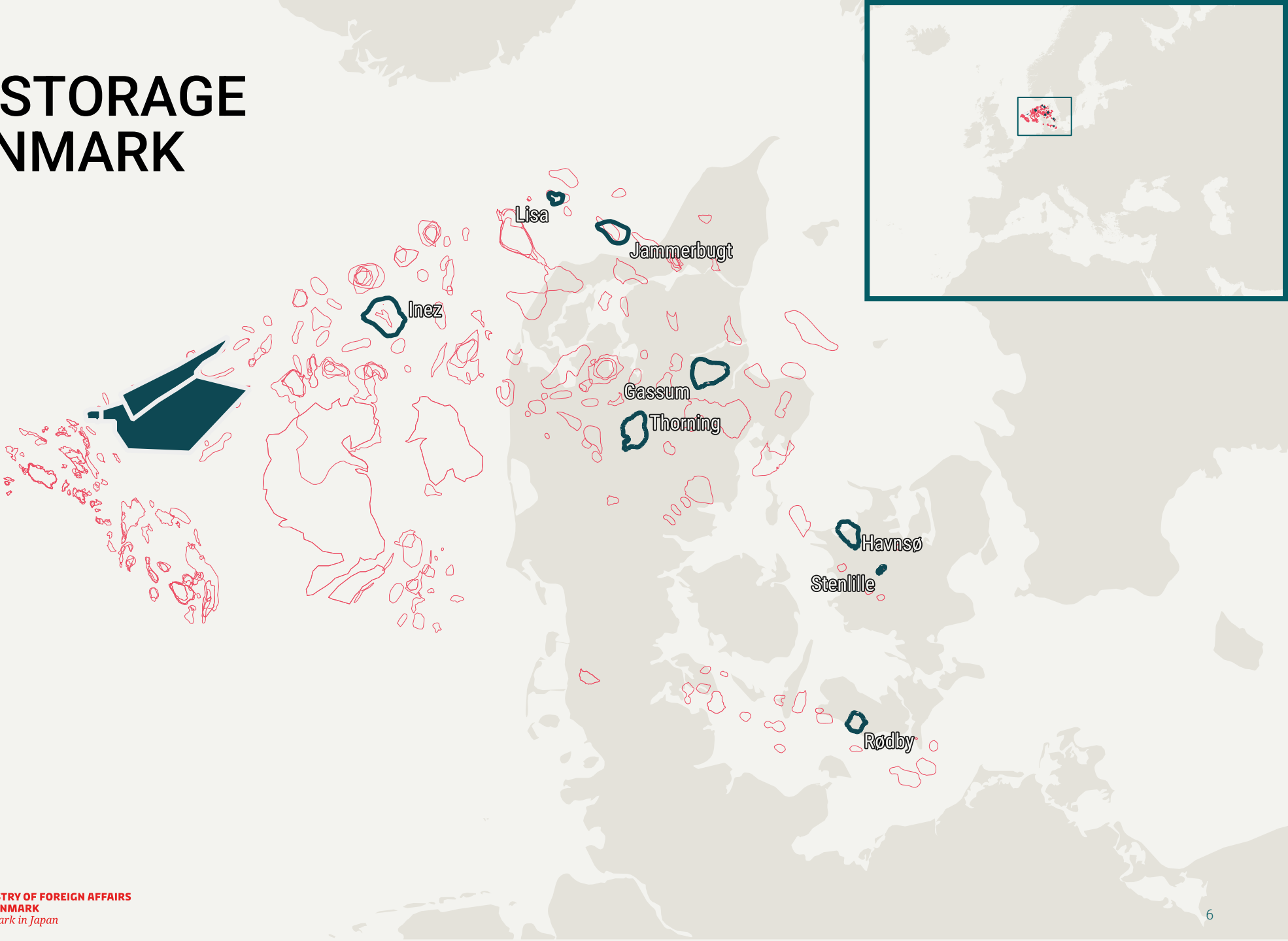


# DANISH EMISSIONS REDUCED FROM CCS BY YEAR





# POTENTIAL STORAGE SITES IN DENMARK



Given licenses



License areas



Potential areas



Danish Ministry of Climate,  
Energy and Utilities



**MINISTRY OF FOREIGN AFFAIRS  
OF DENMARK**  
*Denmark in Japan*

# STORAGE POTENTIAL: UPWARDS OF 22 GIGATONS OF CO<sub>2</sub>

- Is more than enough for 500 years of Denmark's total current yearly emissions
  - Thus, there is great potential for imports
- Bilateral agreements signed:
  - Belgium on September 29<sup>th</sup> 2022
  - The Netherlands on October 16<sup>th</sup> 2023
- Working on enabling more collaboration



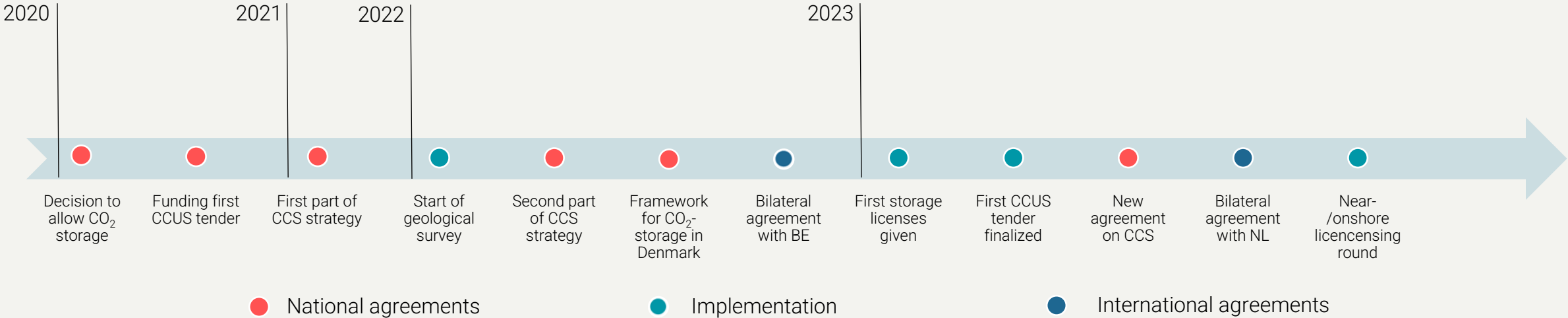
# PROJECTED COMMERCIAL STORAGE CAPACITY

Project	Type	Location	Planned capacity before 2030 (Mt)	Planned capacity after 2030 (Mt)
Greensand	Depleted oil-field	North Sea	1,5	<8
Bifrost	Depleted gas-field and saline aquifers	North Sea	2-3	10-15
Norne	Saline aquifers	On-shore	2,3	18,7
Ruby	Saline aquifer	On-shore	1	5-10
Stenlille demo	Saline aquifer	On-shore	0,5	0,5
<b>Total</b>			<b>6,3-7,3</b>	<b>41,7-51,7</b>





# TIMELINE OF CCS ROLLOUT IN DENMARK



# THANK YOU FOR YOUR ATTENTION

