



Towards strategic vision for CCS and CCU in Europe

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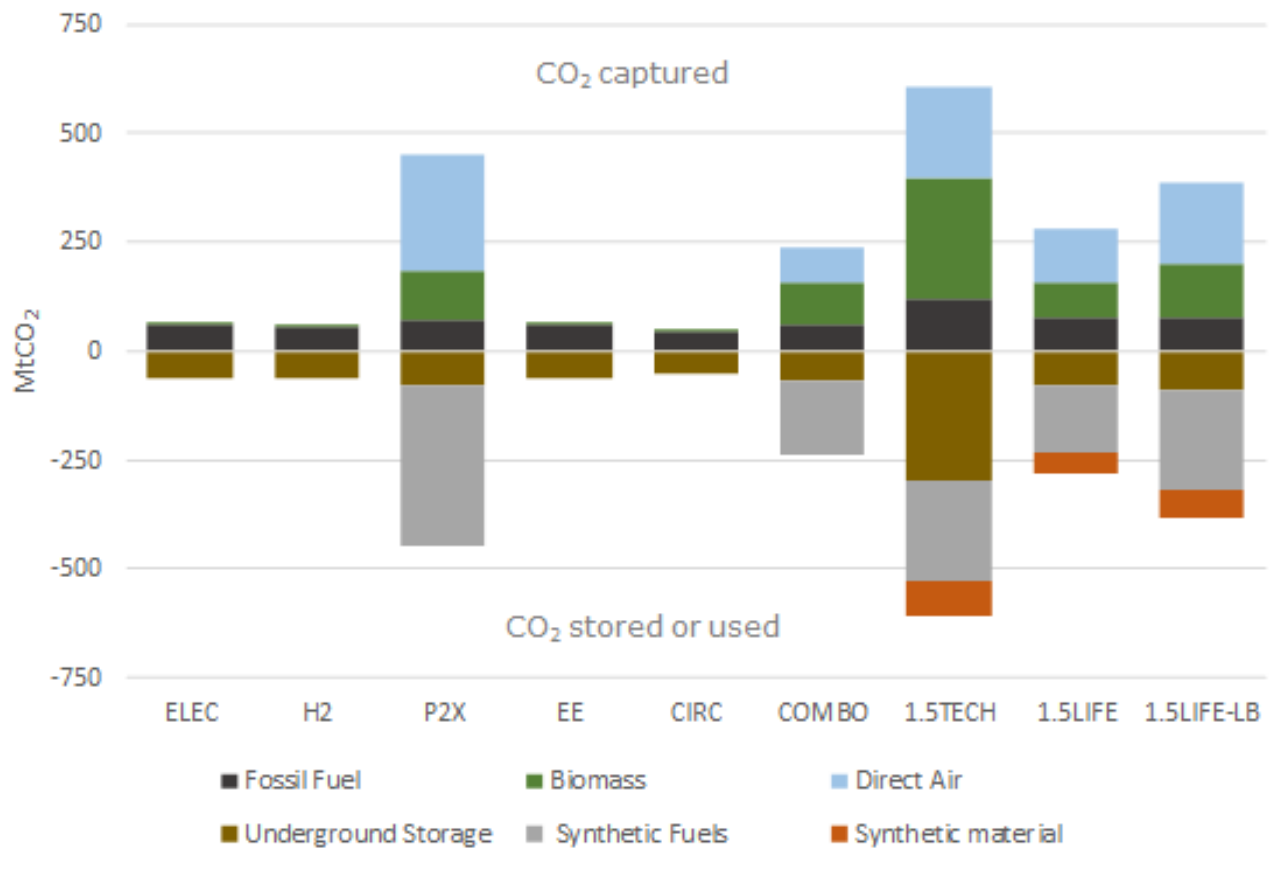
European Commission

2007



Image: Guardian

Green Deal modelling reality



- Hard-to-abate sectors
- Bridge to H2 market
- Carbon removals
- Power sector
- Fuels and other products

Source: Scenario Analysis Results for CCUS, Vision for a Clean Planet by 2050

Driving the Strategy

- Existing framework and projects
- Studies on CO₂ transport and storage infrastructure
- Public consultation – March 2023
- CCUS Forum – regular meetings

Legislation in place

- **EU ETS** – carbon price
- **Sustainable taxonomy** includes CCS
- **CCS Directive** - ensures CCS is done safely
- **CCU fuels** are encouraged through the **Renewable Energy Directive**
- **Trans-European Energy Networks** – supports investment in CO₂ pipelines and storage
- **EU ‘carbon removal certificates’** framework

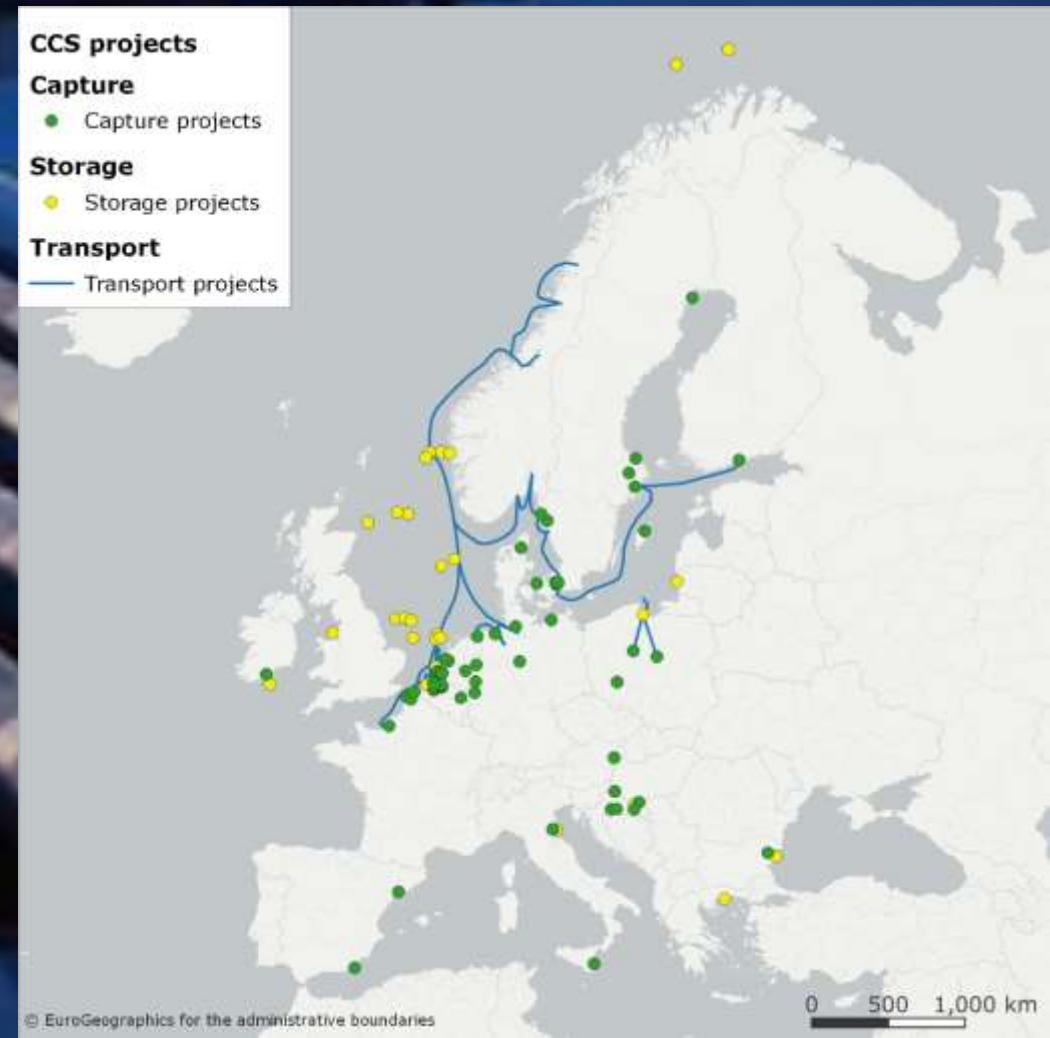
EC supported CCUS projects

5Mt of storage by
2030

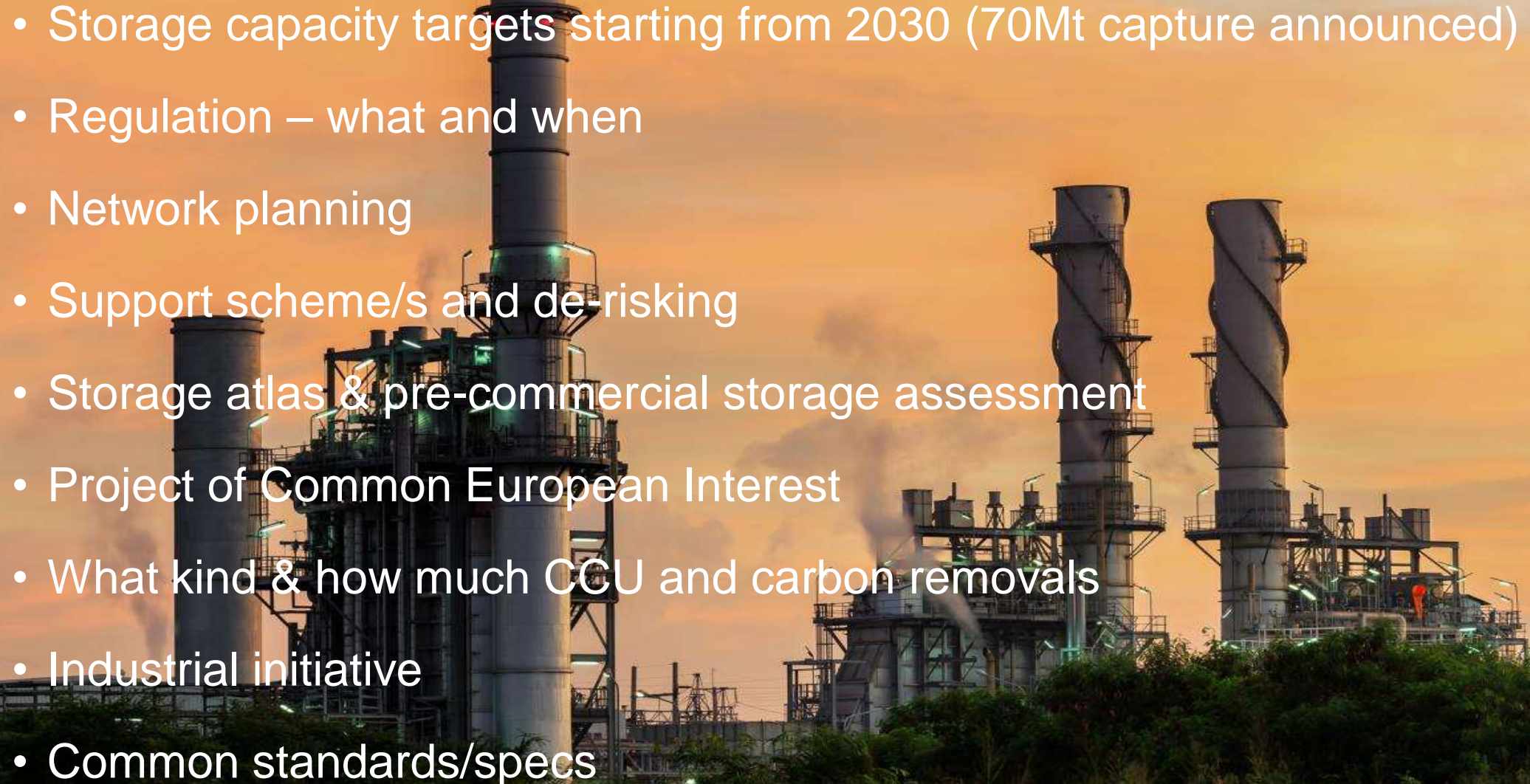


CO2 infrastructure studies

- Sources and sinks mapping and development scenarios
- Regulatory environment and standards



Vision considerations

- Storage capacity targets starting from 2030 (70Mt capture announced)
 - Regulation – what and when
 - Network planning
 - Support scheme/s and de-risking
 - Storage atlas & pre-commercial storage assessment
 - Project of Common European Interest
 - What kind & how much CCU and carbon removals
 - Industrial initiative
 - Common standards/specs
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- A photograph of an industrial facility, likely a power plant or refinery, during sunset. The sky is a mix of orange, yellow, and blue. Several tall, cylindrical towers with spiral ladders are visible. The foreground is filled with green foliage, partially obscuring the base of the towers. The overall scene is industrial and atmospheric.



Grazie mille!



#CCUSForum

#CCUSStrategy