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Net-Zero Industry Act - Transparency of CO₂ storage capacity data Report by Finland according to Articles 21(2) and (3)

Art 21 (2)

(a) a mapping of CO₂ capture projects in progress on its territory or in cooperation with other Member States, and an estimation of the corresponding needs for injection and storage capacities, and CO₂ transport;

(b) a mapping of CO₂ storage and CO₂ transport projects in progress on its territory, including the status of permitting under Directive 2009/31/EC, expected dates for Final Investment Decision (FID) and entry into operation;

CO₂ capture projects in progress

There are several CO₂ capture projects in various stages of development and of various sizes. Most of the projects aim at utilization of CO₂ and only some of them to permanent geological storage of CO₂.

CO₂ storage and transport projects in progress

According to national CCS- law (416/2012) transposing CCS directive (2009/31/EC) geological storage of CO₂ is prohibited in Finland. Because of the geological and legal reasons described above there are no CO₂ storage sites that could be permitted in Finland.

At the moment projects that would transport captured CO₂ for permanent geological storage outside Finland are in early stages of development. Finland provides estimates of injection and storage capacities and CO₂ transport needs at subsequent reports as appropriate.

The Bioenergy Association of Finland has launched in December 2024 a Bio-CCUS and biochar map on completed and planned bio-CCUS and biochar investments, as well as carbon dioxide treatment projects and terminals, which is



available at <https://www.bioenergia.fi/en/bio-ccus-biochar/>

(c) the national support measures that have been or will be adopted to prompt projects referred to in points (a) and (b) of this paragraph, as well as measures relating to the cross-border transport of CO₂

(d) the national strategy and targets that will be and have been set for the capture of CO₂ by 2030, where applicable;

There are no ear-marked support mechanism for CCUS, but generally for clean energy technologies there are. There is also no dedicated strategy or target setting for capturing CO₂ by 2030.

There is ongoing work to prepare national energy and climate strategy. The strategy will be published and submitted to parliament during 2025. The strategy will also include provisions for CCUS.

(e) bilateral and regional cooperation that facilitates the cross-border transport of CO₂, including their implications for the access of entities capturing CO₂ to a safe and non- discriminatory means of transporting CO₂

There are ongoing bilateral negotiations on non-binding agreements (Memorandum of Understanding) regarding cross-border transportation of CO₂ with the purpose of permanent geological storage.

Finland participates also various groups and networks e.g. under the Nordic Council of Ministers that provide opportunities to discuss CCUS- related issues at regional level.

(f) CO₂ transport projects in progress and an estimation of the necessary future CO₂ transport projects' capacity to match the corresponding capture and storage capacity.

See answer to 21 (2) (a) and (b).

Art 21(3)

Should the report referred to in paragraph 2 show that no CO₂ storage projects are in progress on their territory, Member States shall report on plans to facilitate the decarbonisation of industrial sectors. This shall, if applicable, include the cross-border transport of CO₂ to storage sites located in other Member States as well as CO₂ utilisation projects

See answers to 21 (2).



As an input to national energy and climate strategy also sectoral low- carbon road maps have been updated: <https://tem.fi/en/low-carbon-roadmaps-2035>.