

## Report CCS-Directive 2023 - Belgium

### 1 CHANGES, REVIEWS AND UPDATES OF NATIONAL IMPLEMENTATION LEGISLATION

1. **Flemish Region:** The Flemish Government is in the process of updating the legislation on the transport of carbon dioxide for geological storage and for usage. The Flemish Government has agreed on a first draft in principle on the 31<sup>st</sup> of March. The new legislation will be in full compliance with the CCS-directive and will be notified to the European Commission when it has been published in the Belgian Government Gazette.

Changes in legislation are limited to those provisions that deal with transport of carbon dioxide. Other provisions of the Directive, transposed and duly notified to the European Commission, are not under review.

**Brussels Capital Region (BCR) :** no change.

**Federal government:** no change.

**Walloon Region:** The Walloon government is also in the process to update the legislation on carbon dioxide transport.

2. No.
3. For the **Flemish Region:** Flemish Energy and Climate Agency (VEKA), point of contact [tomas.velghe@vlaanderen.be](mailto:tomas.velghe@vlaanderen.be)

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For the **Walloon Region :** Direction des Risques Industriels, Géologiques et Miniers – Dominique Martin - [dominique.daniel.martin@spw.wallonie.be](mailto:dominique.daniel.martin@spw.wallonie.be)

4. No.

### 2 SELECTION OF AREAS FOR STORAGE SITES

5. No.
6. No.
7. No.

### 3 EXPLORATION PERMITS

8. No



14. Recently, the consortium around [Project Greensand](#) (Wintershall Dea, INEOS et al.) performed the first injection of carbon dioxide in a depleted Danish gas field. The injected carbon dioxide (12.000 tonnes) was of Flemish origin from the INEOS Oxide plant in Zwijndrecht, Belgium. To enable the cross-border transportation of the carbon dioxide under the London Protocol, the Flemish Region, the Federal State of Belgium and Denmark signed a Memorandum of Understanding on Cross Border Transportation of CO<sub>2</sub> with the Purpose of Permanent Geological Storage on the 26th of September 2022.<sup>1</sup> First injection took place on the 8th of March.

Other cross-border CCS-projects are in various stages of development:

- Antwerp@C (including Kairos@C).
  - o Participation in the Open Season was closed on the 18<sup>th</sup> of February 2022.
  - o Financial close is foreseen in 2023.
  - o Start-up of Phase 1 is foreseen in 2026.
- Ghent Carbon Hub
  - o Feasibility study launched.
- Fluxys, the Belgian TSO for natural gas, has expressed interest in developing a cross-country backbone in Belgium (see [Information Memorandum](#)). A feasibility study is ongoing on the connection via a pipeline between Belgium and Norway to transport captured CO<sub>2</sub> to storage sites in the North Sea. Possible offshore connections with other countries are being examined. Recently, Fluxys also announced their partnership with Wintershall Dea to undertake a feasibility study for the transport of CO<sub>2</sub> from Germany to Zeebrugge. On the national level, Fluxys has launched open seasons for several areas (Antwerp; Ghent etc.).

The Walloon industry is also working on CCS projects (mainly the cement and lime industry).

Flanders is also part of the North Sea Basin Task Force and is involved in the development of the Regional Plan.

## **7 CO<sub>2</sub> CAPTURE READINESS**

15. See Annexes.

## **8 FURTHER QUESTIONS**

16. One of the regional programmes supporting CCS is the 'Klimaatsprong'-programme. Klimaatsprong has as its purpose facilitation of the measures needed to enable Flemish industry to evolve towards a carbon neutral production without loss of competitiveness. CCS is one of the measures discussed in the Klimaatsprong-programme.

The Walloon government has launched the call for projects « 0Carbon4WAL» regarding capture, storage, transport and use of CO<sub>2</sub> with the exception of DAC (direct air capture).

The program HECO2 is also funding projects regarding CCUS in the industry.

17. Flanders has its 'Moonshot'-programme, where CCS-projects can be supported.

18. We are not aware of any plans and/or projects other than the ones already mentioned.

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<sup>1</sup> The MoU can be found here: [MoU between the minister for environment of Flemish Region, federal minister for the North Sea of Belgium and the minister for Climate, Energy and Utilities of Denmark on cross border transportation of CO<sub>2</sub> with the purpose of permanent geological storage | Departement Kanselarij en Buitenlandse Zaken \(fdfa.be\)](#)

