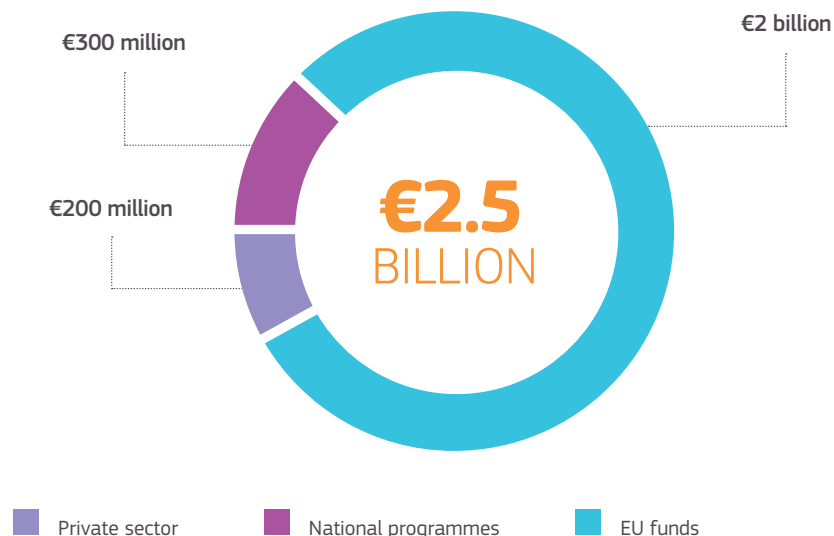


CARBON CAPTURE UTILISATION AND STORAGE IP 9

Carbon capture, utilisation and storage (CCUS) is important for decarbonising power generation and energy-intensive industries. Pilot projects and other R&I activities are aiming to make CCUS a cost-effective measure against climate change. This implementation plan identifies R&I priorities, and proposes new actions to achieve SET plan targets and mobilise additional finance. New targets will be set for the 2030 policy framework.

OVERALL INVESTMENT TO BE MOBILISED FOR CARBON CAPTURE UTILISATION AND STORAGE FOR 2018–2030



EXAMPLES OF R&I ACTIVITIES

CARBFIX2

This project is built on the success of the CarbFix EC project, acknowledged worldwide for developing a novel, safe, and efficient geologic carbon storage method. It will make the geological storage method economically viable and transportable throughout Europe. This will be done by co-injecting impure CO₂ and other water-soluble polluting gases into the subsurface, developing the technology, and integrating the method with air-capture technology.

Budget: €2,200,318
(totally financed by EU)
2017-2021

website: <https://www.carbfix.com/carbfix2>

LEILAC

This project enables Europe's cement and lime industries to reduce emissions dramatically while maintaining international competitiveness. LEILAC will develop, build and operate a 240 tonne per day pilot plant demonstrating Direct Separation calcining technology to capture over 95 % of the process CO₂ emissions (60 % of total CO₂ emissions). The project will deliver a techno-economic roadmap, and knowledge-sharing activities at the pilot site near Brussels.

Budget: €20,770,635
2016-2020

<https://www.project-leilac.eu/>

Who's involved ?

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COUNTRIES

Czechia, France, Germany, Hungary, Italy, Netherlands, Norway, Spain, Sweden, Turkey, and the UK



STAKEHOLDERS

Actys-BEE, ArcelorMittal, Bellona, British Geological Survey, BP, EERA, European Chemical Industry Council (CEFIC), European Steel Technology Platform, European Turbine Network, European Steel Association (Eurofer), Gassnova, Global CCS Institute, General Electric, German Aerospace Center, Greenwin, Heidelberg Cement, International Energy Agency, IFP Energies Nouvelles, International Association of Oil and Gas Producers, Mitsubishi Hitachi Power Systems, Port of Rotterdam Authority, Research Council of Norway, Scinnov, Shell, Sintef, Sotocarbo SpA, TAQA Global, the Netherlands Organisation for Applied Scientific Research (TNO), and ZEP - European Technology Platform for Zero Emission Fossil Fuel Power Plants (Co-Chair).