

## Agreed strategic targets for CCS and CCU

### **By 2020:**

- At least one commercial-scale<sup>1</sup>, whole chain CCS project operating in the power sector;
- At least one commercial-scale CCS project linked to an industrial CO<sub>2</sub> source, having completed a FEED study;
- SET Plan countries having completed, if appropriate in regional cooperation with other MS, feasibility studies on applying CCS to a set of clusters of major industrial and other CO<sub>2</sub> sources by 2025-2030, if applicable involving cooperation across borders for transporting and storing CO<sub>2</sub> (at least 5 clusters in different regions of the EU);
- At least 1 active Project of Common European Interest for CO<sub>2</sub> transport infrastructure, for example related to storage in the North Sea;
- An up-to-date and detailed inventory of the most suitable and cost-effective geological storage capacity (based on an agreed methodology), identified and accepted by various national authorities in Europe;
- At least 3 pilots on promising new capture technologies, and at least one to test the potential of sustainable Bio-CCS at TRL 6-7;
- At least 3 new CO<sub>2</sub> storage pilots in preparation or operating in different settings;
- At least 3 new pilots on promising new technologies for the production of fuels, value added chemicals and/or other products from captured CO<sub>2</sub>;
- Setup of 1 Important Project of Common European Interest (IPCEI) for demonstration of different aspects of industrial CCU, possibly in the form of Industrial Symbiosis.

By 2020, Member States having delivered on their 2030 nationally determined contributions to the COP21 agreement, and having identified the needs to modernise their energy system including, if applicable, the need to apply CCS to fossil fuel power plants and/or energy and carbon intensive industries in order to make their energy system compatible with the 2050 long-term emission targets

### **Some basic Key Performance Indicators**

Deployment indicators	Target 2020	Target 2030
Minimum N° of commercial-scale CCS projects in the power sector	1 <sup>2</sup>	10
Minimum N° of commercial-scale CCS projects in the CO <sub>2</sub> emission intensive industry	1 <sup>3</sup>	5
Permits for CO <sub>2</sub> storage	2	15
Minimum amount of CO <sub>2</sub> permanently removed from atmosphere (Mt/yr)	3 <sup>4</sup>	15

<sup>1</sup> Commercial-scale projects: projects involving the capture, transport, and storage of CO<sub>2</sub> at a scale of at least 800,000 tonnes of CO<sub>2</sub> annually for a coal-based power plant, or at least 400,000 tonnes of CO<sub>2</sub> annually for natural gas-based power generation and emissions-intensive industrial facilities (definition by GCCSI)

<sup>2</sup> Operational

<sup>3</sup> With completed FEED

<sup>4</sup> Including natural gas processing plants in Norway