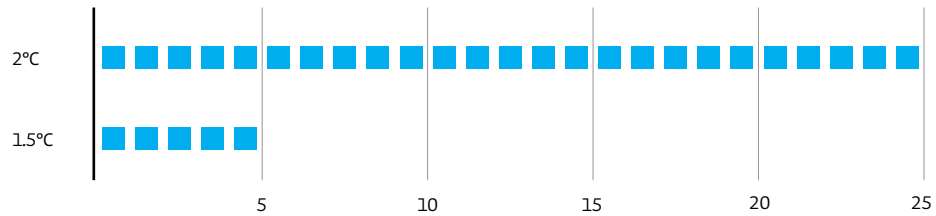
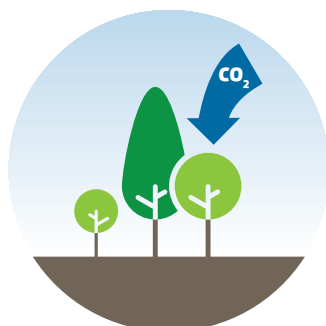


## Climate policy goals limit the remaining (net) CO<sub>2</sub> emissions allowance



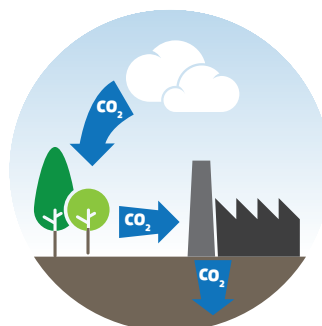
Maximum number of years of CO<sub>2</sub> emissions release at current levels (40Gt/yr) until CO<sub>2</sub> budget for climate policy goals is exhausted.

## Several different carbon dioxide removal options have been proposed.



### Afforestation and reforestation

Tree growth takes up CO<sub>2</sub> from the atmosphere.



### Bioenergy with carbon capture and storage (BECCS)

Plants turn CO<sub>2</sub> into biomass that fuel power plants. CO<sub>2</sub> is captured and stored underground.



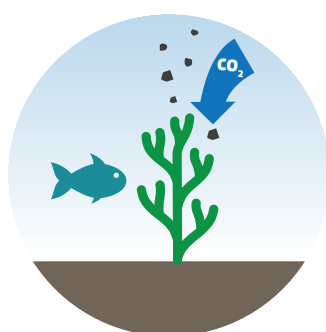
### Biochar

Partly burnt biomass is added to soils absorbing additional CO<sub>2</sub>.



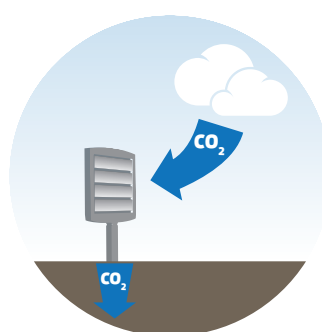
### Enhanced weathering

Crushed minerals are applied to soil for chemical CO<sub>2</sub>-absorption.



### Ocean fertilization

Iron or other nutrients are applied to the ocean increasing CO<sub>2</sub>-absorption by algae growth.



### Air capture

CO<sub>2</sub> is removed from ambient air through chemical processes and stored underground.