

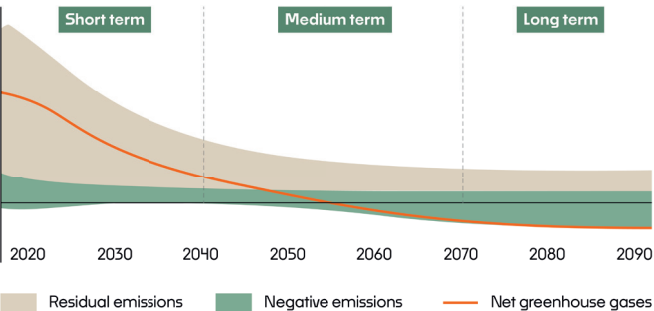
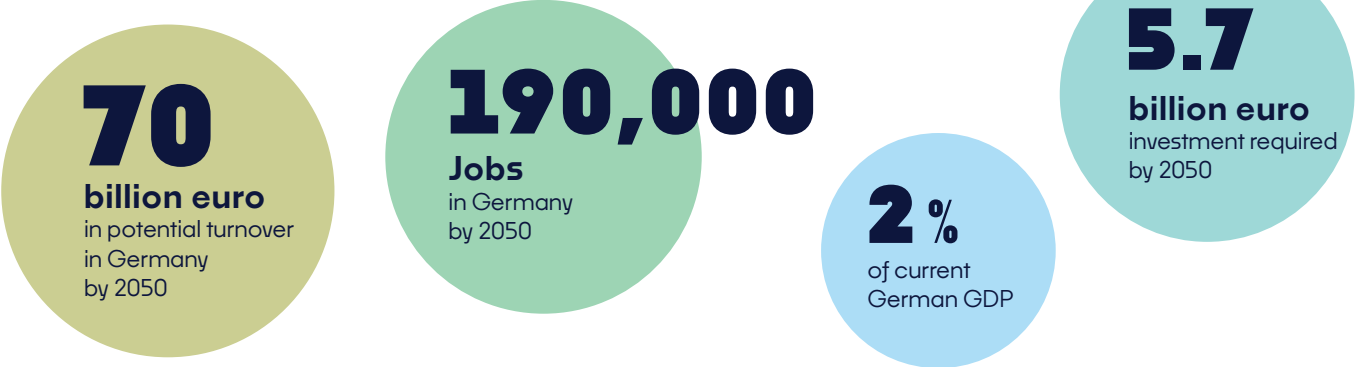
THINK NEGATIVE

Negative emissions
for a positive future

FACTSHEET
for political
actors

Why negative emissions?

Negative emissions make a decisive contribution to achieving our climate goals. Removing CO2 from the atmosphere (**carbon dioxide removal**) also offers enormous economic potential.



Global emissions are shown.

The three roles of negative emissions

- Short term** Reduction of greenhouse gas concentrations
- Medium term** Offsetting remaining emissions to achieve climate neutrality
- Long term** Achieving net negative emissions

A portfolio of CDR methods

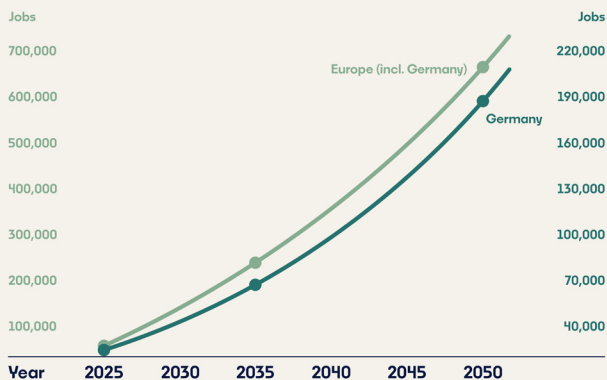
Reforestation	Soil carbon sequestration	Biochar carbon removal	Rock weathering	DACCS	BECCS	Ocean fertilisation & alkalisation
(Re)forestation to absorb CO ₂	Agricultural practices for soil carbon sequestration	Conversion of biomass into stable biochar	Distribution of silicate rocks to react with CO ₂	Direct air carbon capture and storage	Bioenergy with carbon capture and storage	Adding nutrients to promote phytoplankton growth.
Potential						
Technology maturity						
Length of storage						
Cost efficiency						
Co-benefits						

lowlow-mediummediummedium-highhigh

Sources: Scaling up Carbon Dioxide Removals (ESABCC, 2025), The State of Carbon Dioxide Removal (Smith et al., 2024), Carbon Dioxide Removal: Europe and Germany's Role in Catalyzing a Trillion-Euro Industry (BCG DVNE, 2024)

What does it take to scale CDR?

Jobs in the CDR industry



1 Negative emissions – Made in Germany

With its strengths in mechanical and plant engineering, its start-up ecosystem and its cutting-edge research, Germany has the potential to become a pioneer in negative emissions. With **190,000 jobs** and annual turnover of **70 billion euro**, this new industry offers enormous potential. We call on the new Federal Government to champion negative emissions at the international level. In concrete terms, it should set **specific targets** for negative emissions **as part of the EU climate targets for 2040** and **push for joint promotion at G7/EU level and in the Climate Club**.

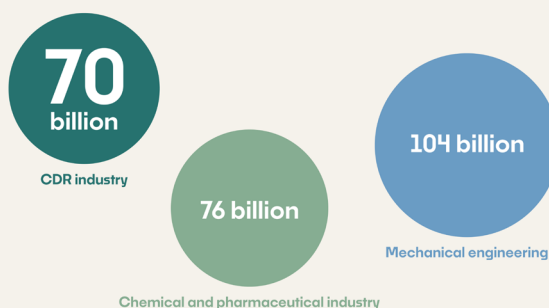
2 Consistently pursue climate targets

Without negative emissions, there can be no climate neutrality. The Federal Climate Change Act (*Klimaschutzgesetz, KGS*) already firmly enshrines a target for natural sinks. Our forests are currently developing in the wrong direction, however. Instead of storing more CO₂, they are increasingly becoming sources of emissions. We call on the new Federal Government to introduce **concrete measures to achieve the targets enshrined in the Federal Climate Change Act**.

4 Promote market ramp-up

Germany must invest in negative emissions. We can make decisive progress by 2030 with just 0.2% of the federal budget. Countries such as Denmark and the US are ahead in this area – we need initial **market-based support programmes and market incentives** in 2025 in order to close the financing gap.

Economic potential in the CDR industry by 2050

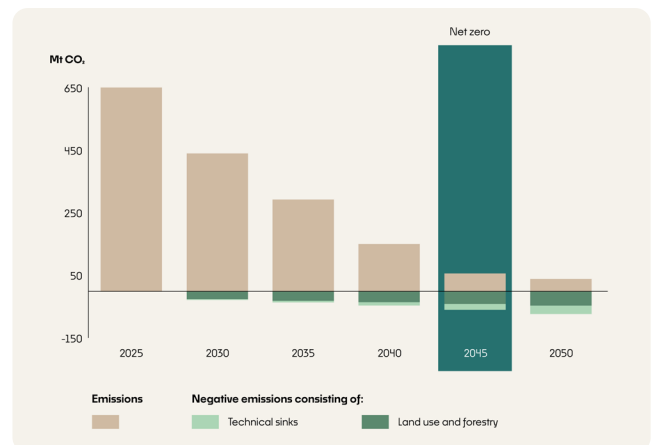


Economic potential (p.a., 2050) and gross value added in 2022 in euro

Source: DINE working group, BCG analysis, Federal Statistical Office / Statista

3 Set targets for technical processes

Germany needs a specific target for the removal and storage of CO₂ through technical processes. This will give private stakeholders the necessary planning security while getting their activities up and running and ensure that negative emissions do not lead to a weakening of reduction targets. We call on the Federal Government to **adopt the long-term strategy for negative emissions (LNe)** currently being developed, with separate targets for natural and technical sinks.



5 Provide infrastructure

Building the necessary carbon infrastructure requires streamlined approval processes and good coordination between all parties involved. We call on the Federal Government to **swiftly implement the Carbon Management Strategy** and to coordinate public and private stakeholders in a targeted manner within the framework of a **Carbon Infrastructure task force**.