

Presentation of the Sectoral Transition Plans (STP)

European Energy Network

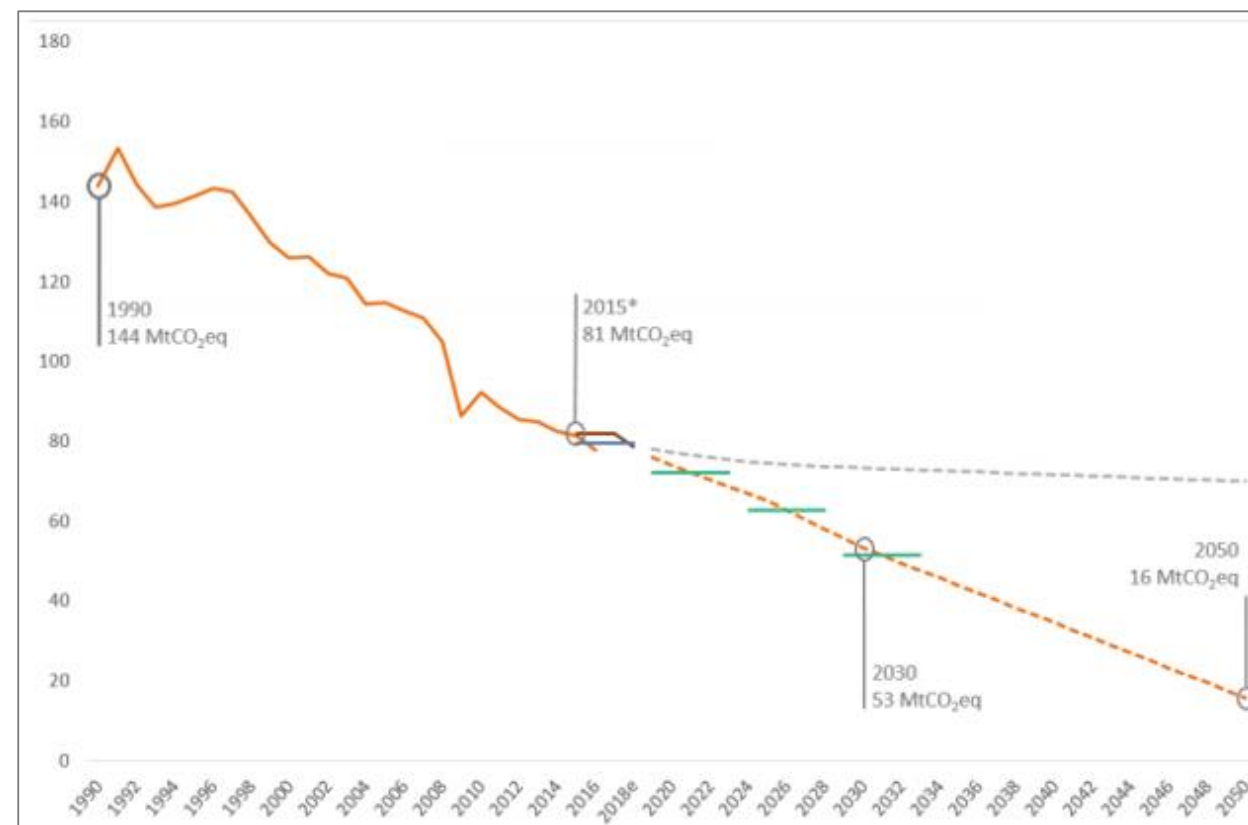


National context: the French National Low-Carbon Strategy (SNBC)

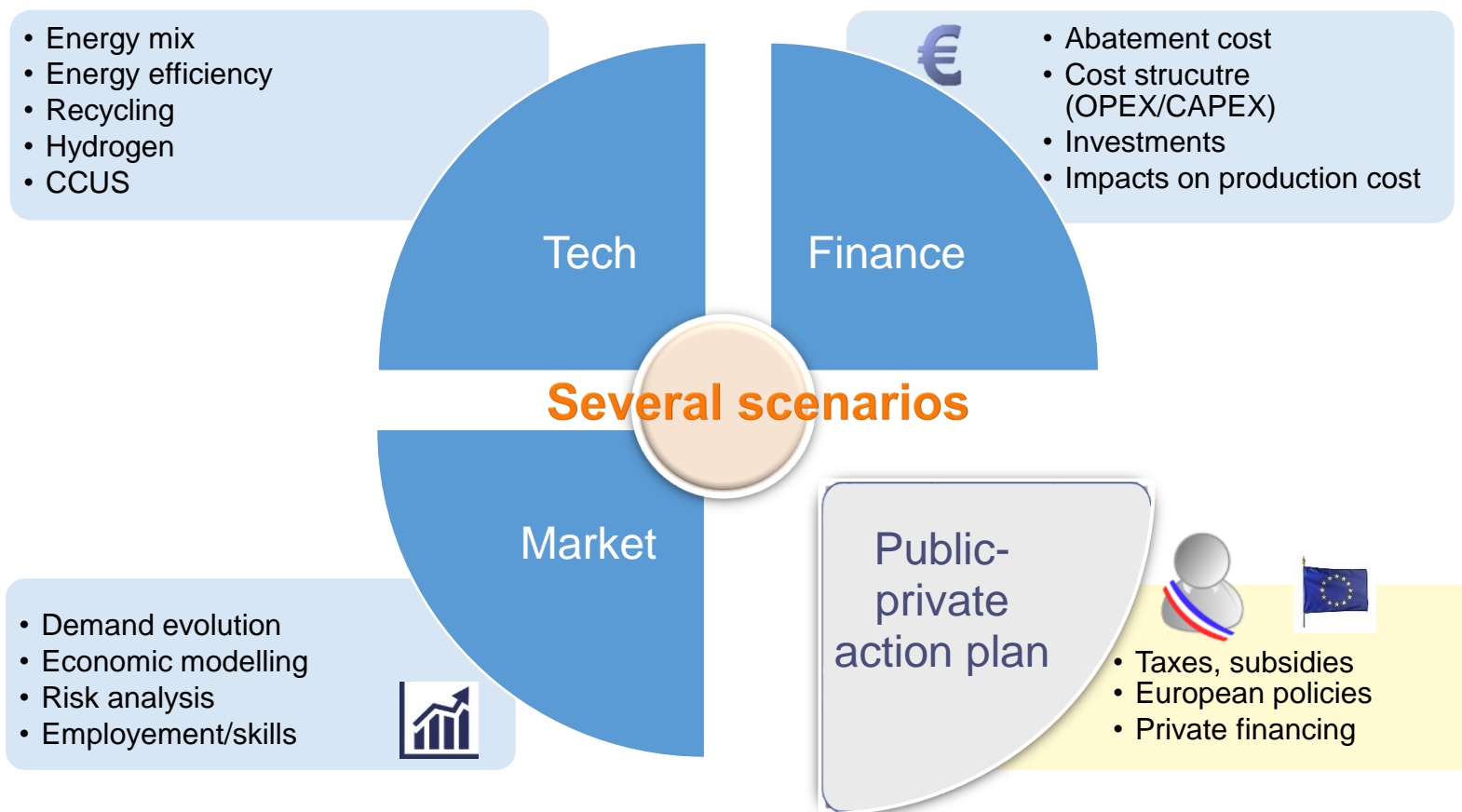
1 national target : **carbon neutrality**

Manufacturing industry: **-81%** of emissions reduction in 2050 compared to 2015

The SNBC only gives a target, but does not show the pathway to achieve it



What is a Sectorial Transition Plan? The 360° vision

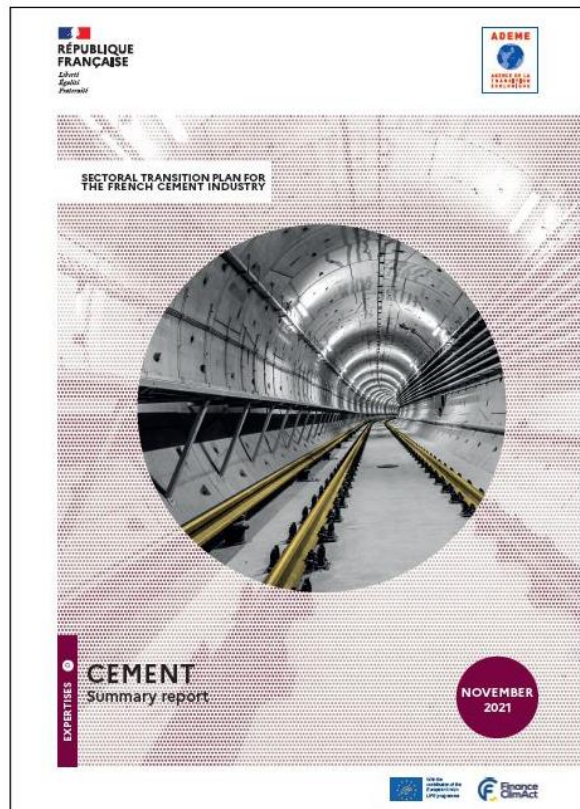


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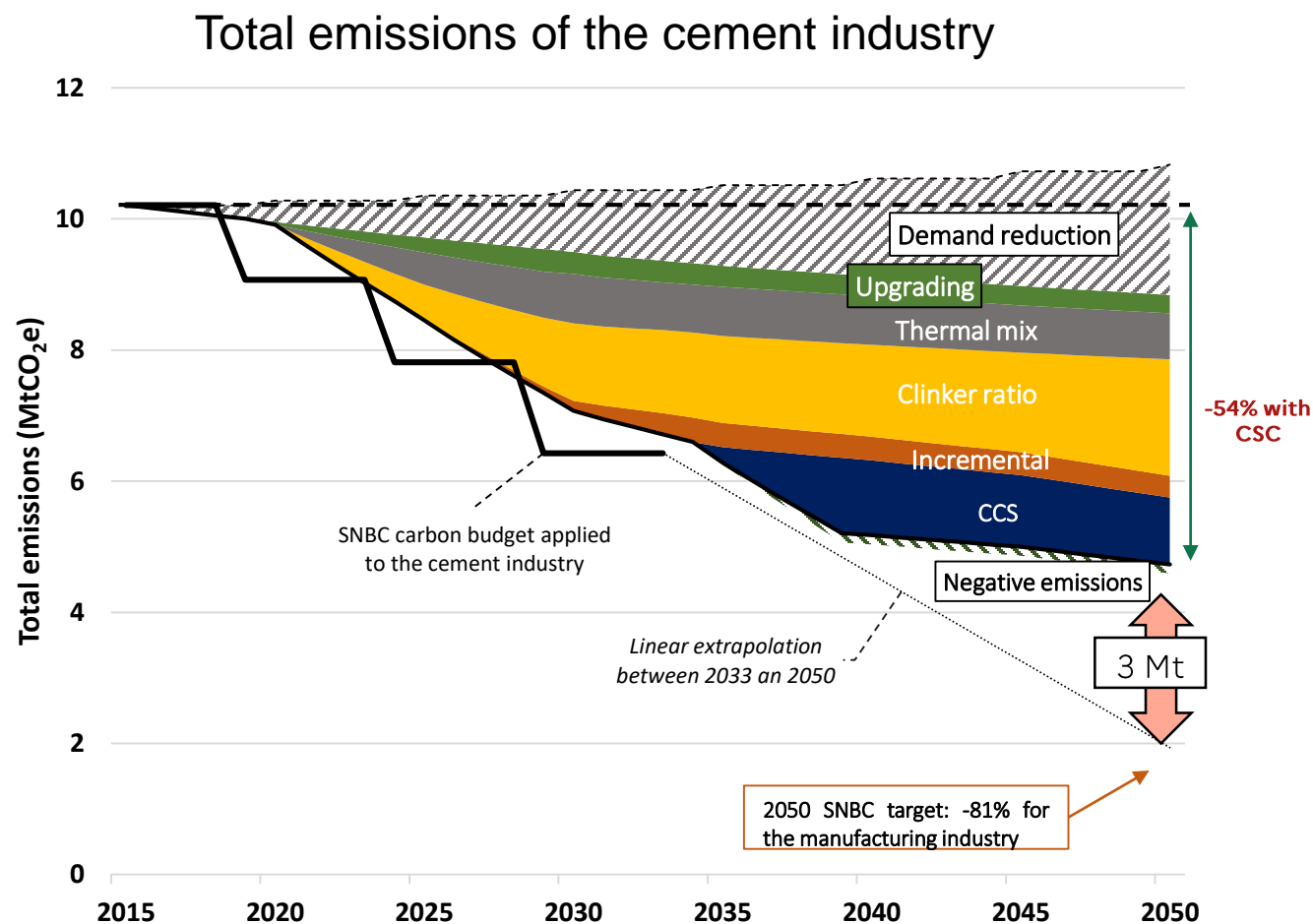
 Of the emissions from the

 manufacturing industry

Results from the cement STP: reference scenario



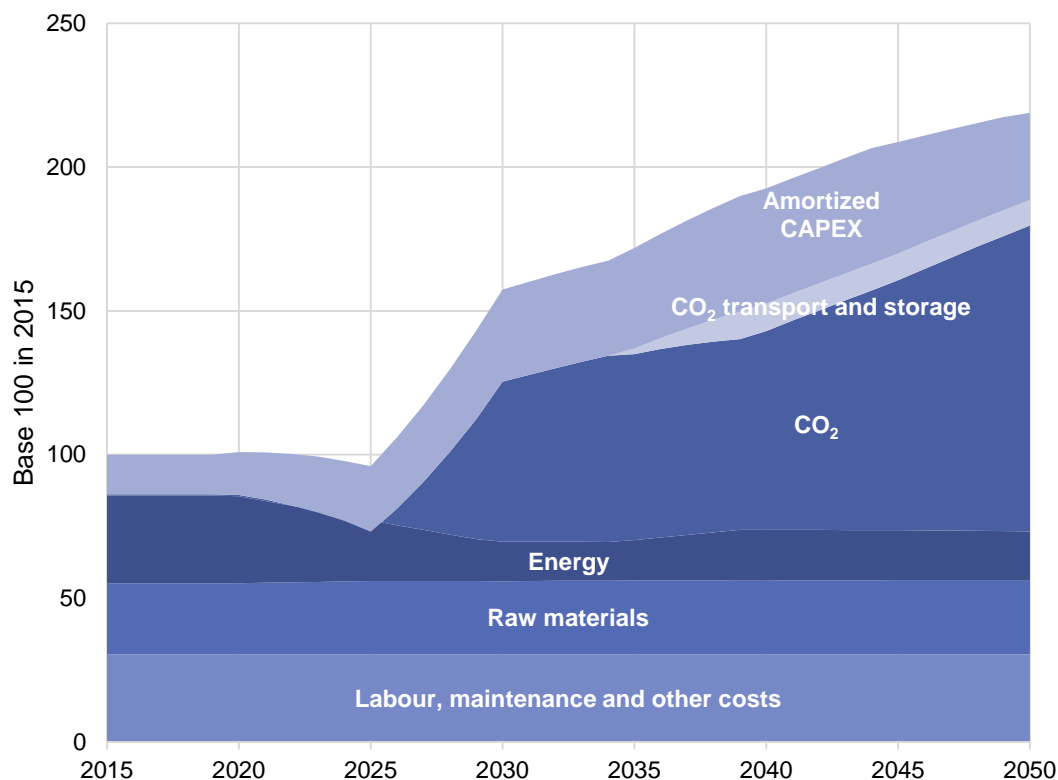
- Considering:
- Available technologies
 - Penetration rate
 - CCS constraints
 - Demand evolution



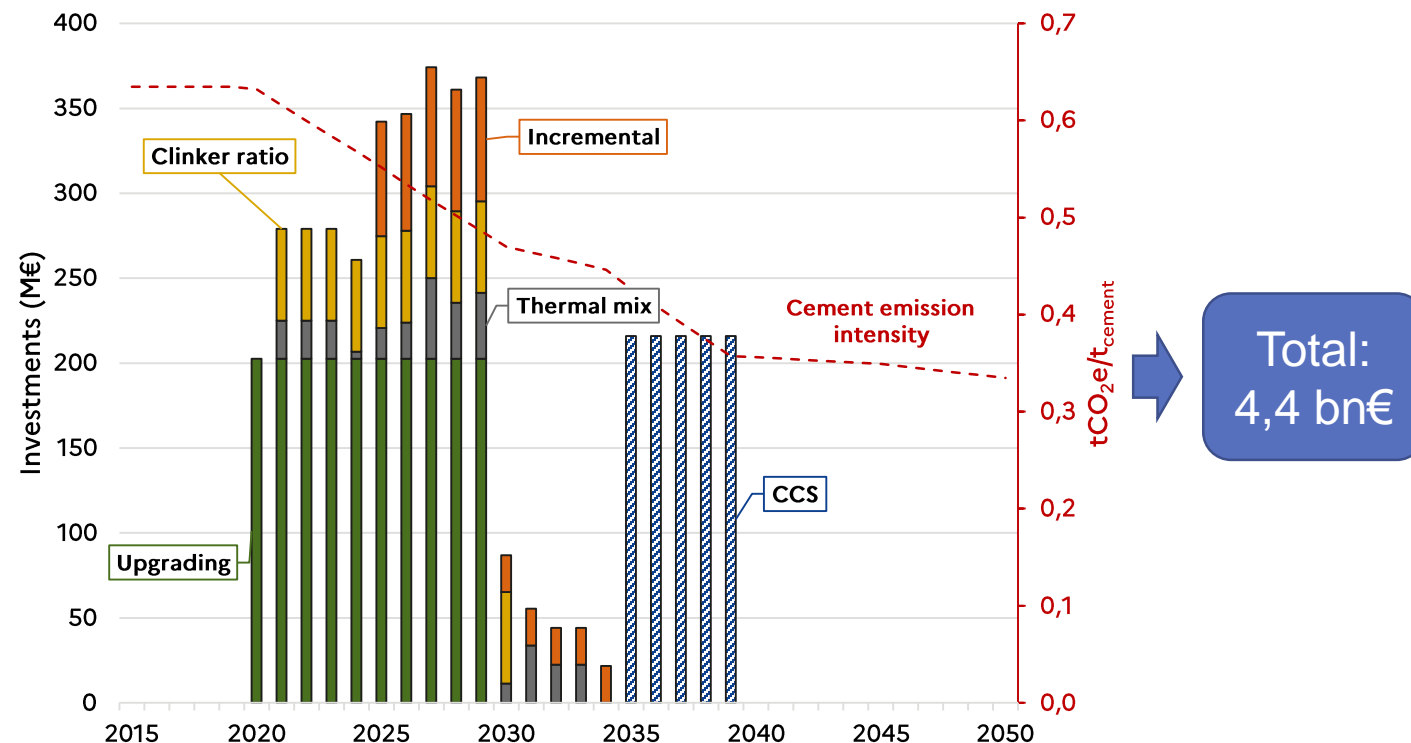
Visit -> https://librairie.ademe.fr/changement-climatique-et-energie/5185-sectoral-transition-plan-for-the-french-cement-industry.html#/44-type_de_produit-format_electronique

STP financial outputs: example of the cement industry

Impact on cement production cost



Total investments on the industrial park



Preliminary action plan discussed with stakeholders across the construction value chain

Decarbonize cement plants

ACCELERATE the decarbonization of cement plants with investment support mechanisms (CAPEX)

ASSESS the feasibility of an OPEX support mechanism for relevant technologies

FOSTER the development of rail and waterway transport

DEVELOP territorial strategies for the deployment of CCS

SUPPORT INNOVATION in the current cement fleet

ANTICIPATE normative evolutions for introducing new products

Material optimisation

TRAIN the designers to optimize the quantity of construction material and to choose the right materials

INNOVATE towards lean material-footprint construction methods.



Stimulate low-carbon concrete uptake

HARMONIZE a reliable labelling of the cement and concrete carbon footprint

SYSTEMATIZE a reliable communication method on the cement and concrete carbon footprint

STIMULATE the uptake of low-carbon cement through public procurement

VALUE the experience feedback on the integration low-carbon concrete in the market

TRAIN the operators to use low-carbon materials in the construction

Circular economy

STIMULATE the use of recycled concrete aggregates into new concrete production through public procurement

FAVOR the reuse of concrete fines as a clinker substitute in new cement production





Thank you for your time and attention!

For further information:

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