

Climate change threatens Europe's coasts

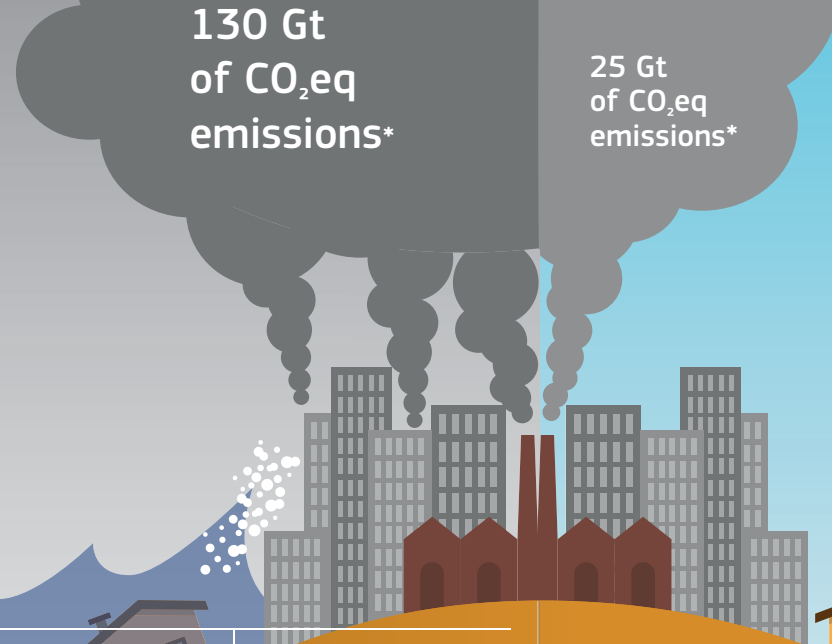
NO-ACTION SCENARIO

Global warming is driving sea-level rise and intensifies coastal storms, resulting in more frequent flooding. If no action is taken, coastal flood impacts will be severe.

year 2100 HIGH EMISSIONS

▲ SEA LEVEL +85 cm
[47 cm – 198 cm]

▲ NOW



MITIGATION AND ADAPTATION SCENARIO

Mitigation means limiting sea level rise by reducing emissions. **Adaptation** includes all measures to protect coastal communities through nature-based and engineered physical measures.

year 2100 WITH MITIGATION

▲ SEA LEVEL +51 cm
[21 cm – 84 cm]

▲ NOW

2.2 million
PEOPLE EXPOSED
per year

239 billion €
ECONOMIC LOSSES
per year

552 thousand
PEOPLE EXPOSED
per year

12 billion €
ECONOMIC LOSSES
per year

100 thousand
PEOPLE EXPOSED
per year in present

1.4 billion €
ECONOMIC LOSSES
per year in present

Raising flood defenses
will cost up to 2 billion € per year

170-fold increase in economic losses
22-fold increase in exposed population

95% reduction of economic losses
73% fewer people exposed

*CO₂eq is a metric measure used to compare the emissions from various greenhouse gases on the basis of their global-warming potential, by converting amounts of other gases to the equivalent amount of carbon dioxide with the same global warming potential (definition from Eurostat).