



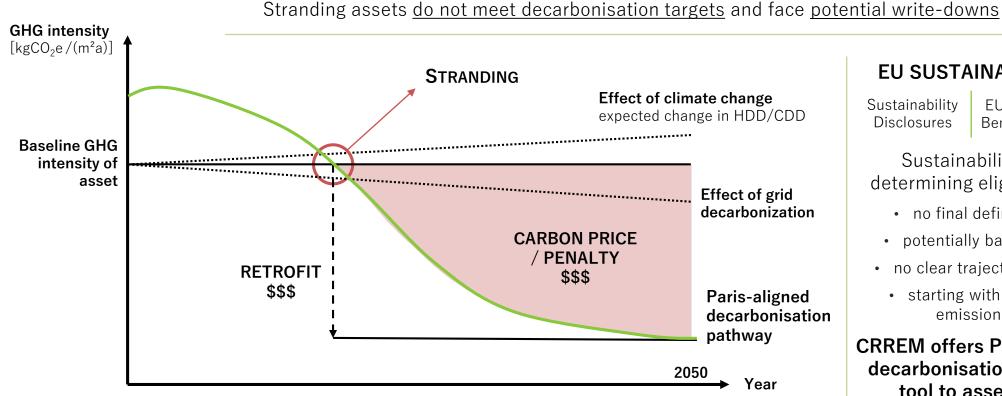
Transition Risk & Stranded Assets

CLIMATE BENCHMARK IDENTIFY, STRANDED ASSETS'

CRREM DECARBONISATION PATHWAYS CRREM RISK TOOL

Manage Stranding/ TRANSITION RISKS

"Stranded assets are properties that will be exposed to the risk of early economic obsolescence due to climate change because they will not meet future regulatory efficiency standards or market expectations." (CRREM, 2019)



EU SUSTAINABLE FINANCE TAXONOMY

Sustainability Disclosures

EU Climate Benchmarks EU Eco Label

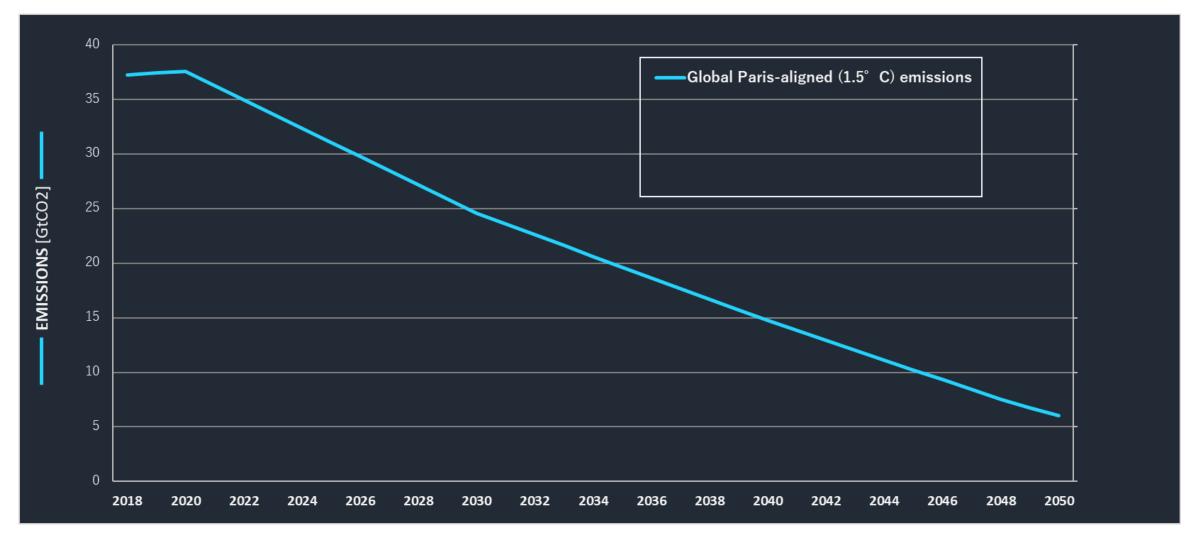
EU Green Bond Standard

Sustainability Metrics and Thresholds determining eligibility of activities and assets

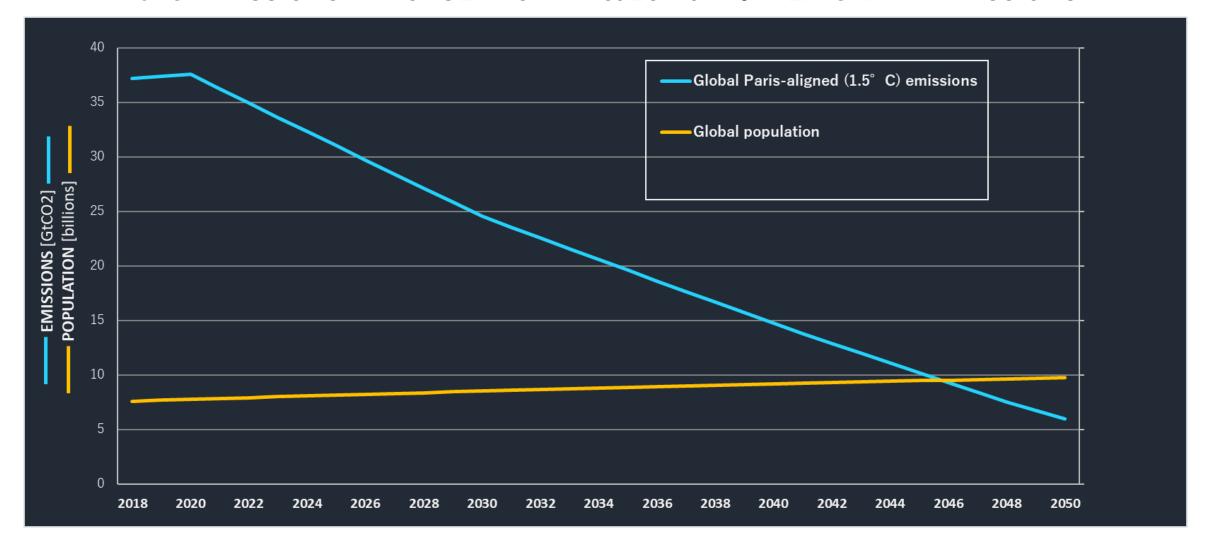
- no final definition of targets for real estate
- potentially based on "best in class" approach
- no clear trajectories of "Paris-proof" targets yet
- starting with energy intensity targets GHG emissions will be integrated later on

CRREM offers Paris-aligned, country-specific decarbonisation pathways until 2050 and a tool to assess & manage carbon risk

GLOBAL EMISSIONS PATHWAY(S) CONSISTENT WITH 1.5°C (/2°C) GLOBAL WARMING

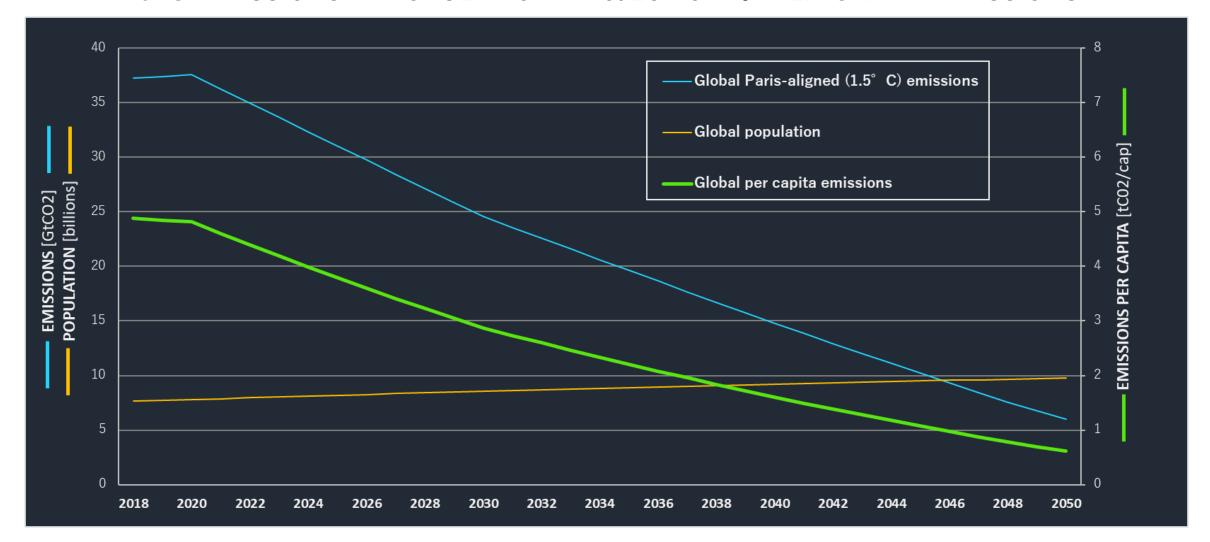


1.5°C Emissions + Population Projection → Per Capita Emissions

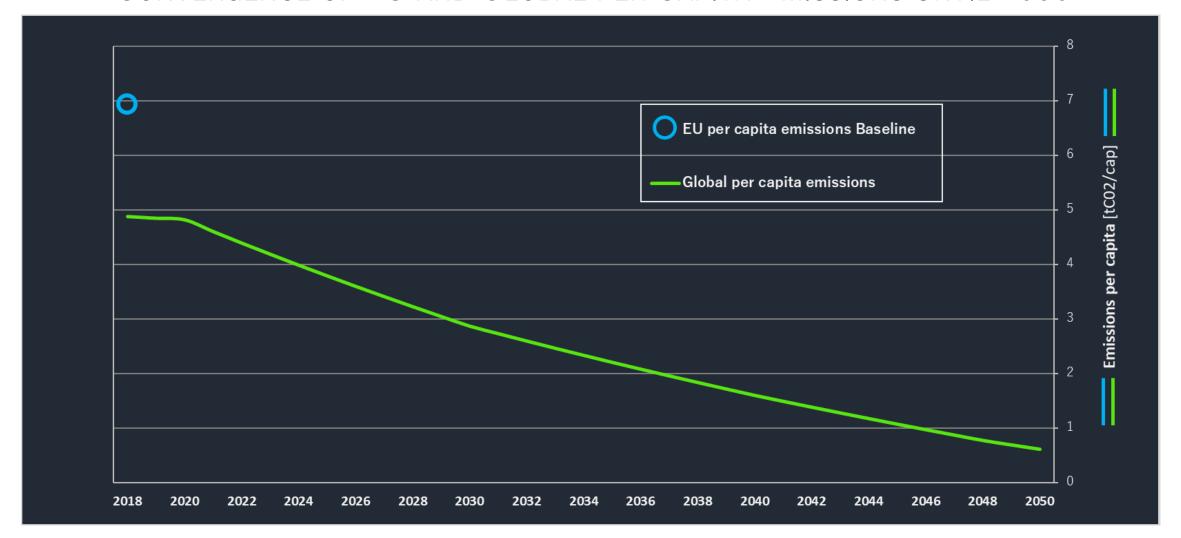




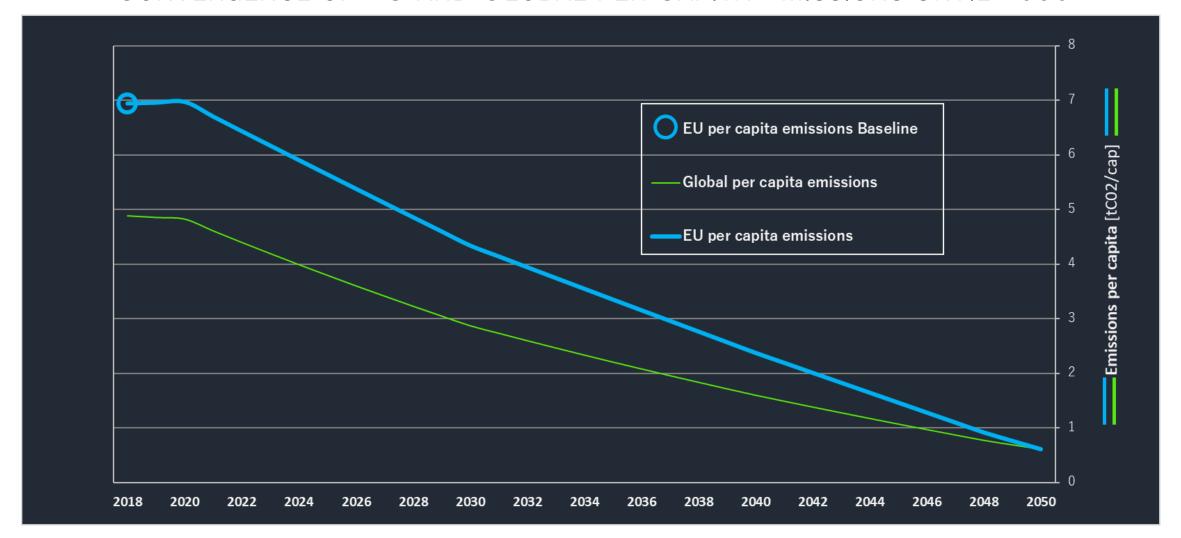
1.5°C Emissions + Population Projection → Per Capita Emissions



Convergence of EU and Global per Capita Emissions until 2050

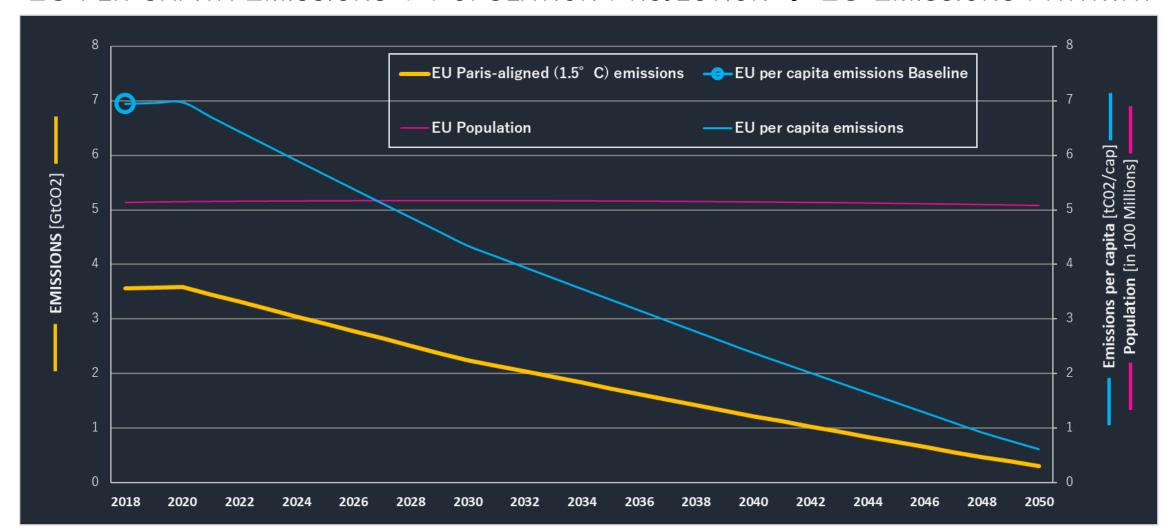


Convergence of EU and Global per Capita Emissions until 2050

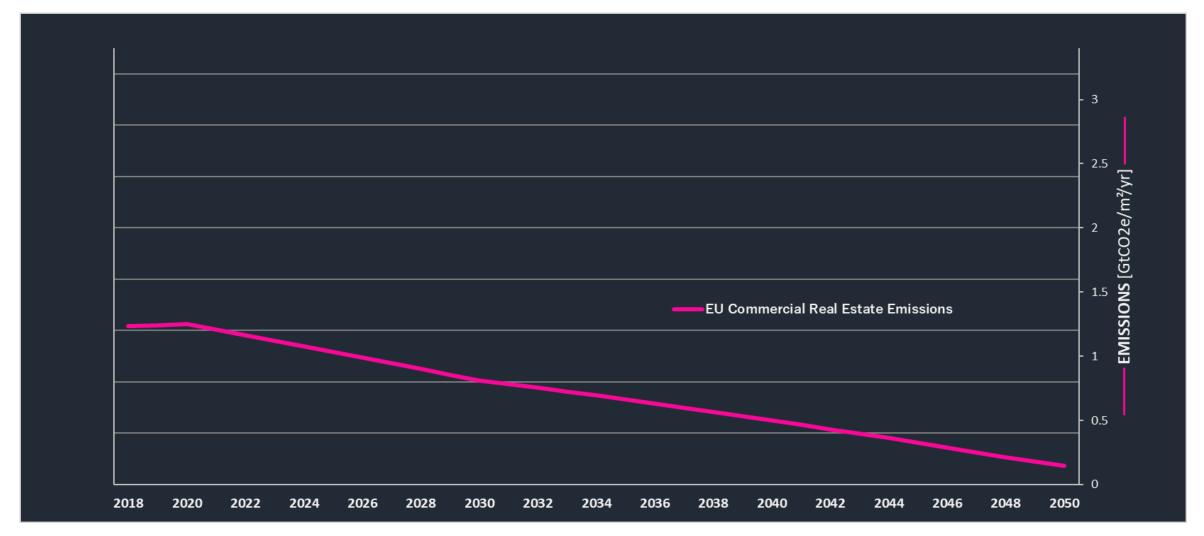




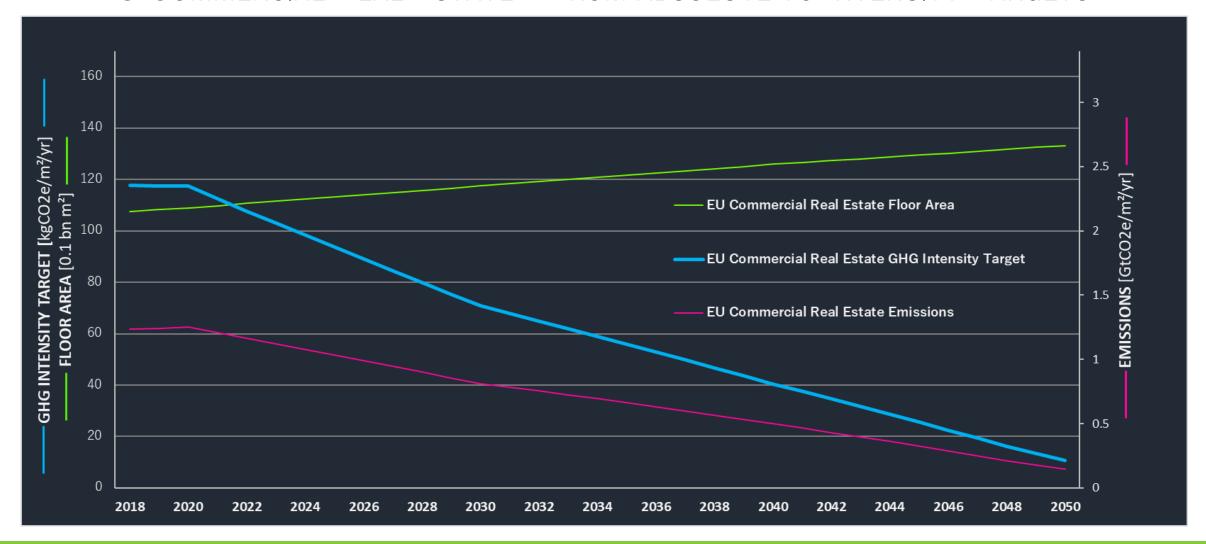
EU per Capita Emissions + Population Projection > EU Emissions Pathway



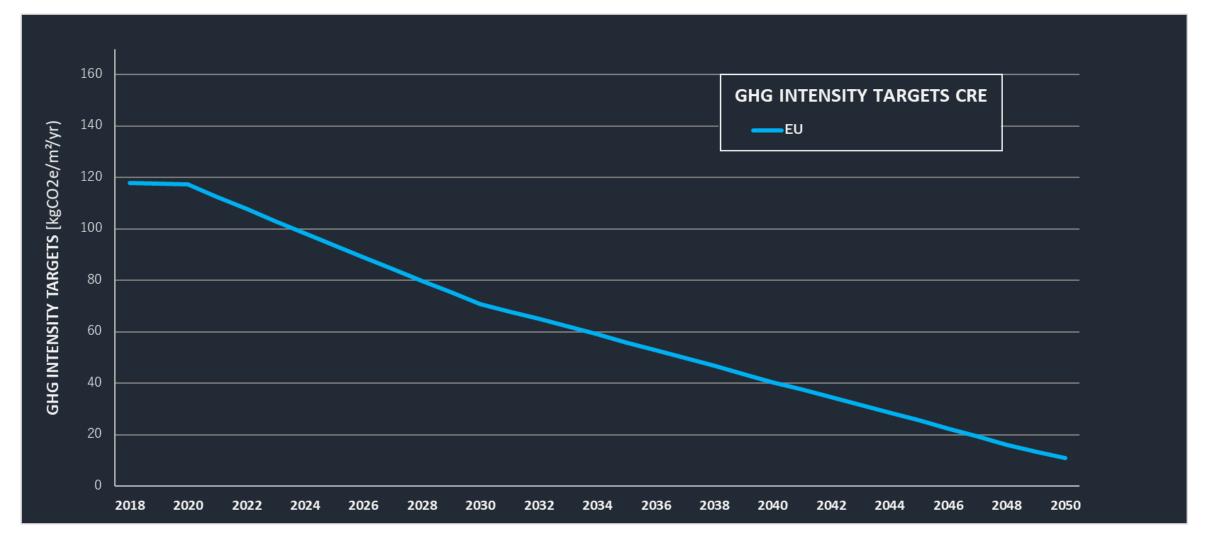
EU Commercial Real Estate – From absolute to Intensity Targets



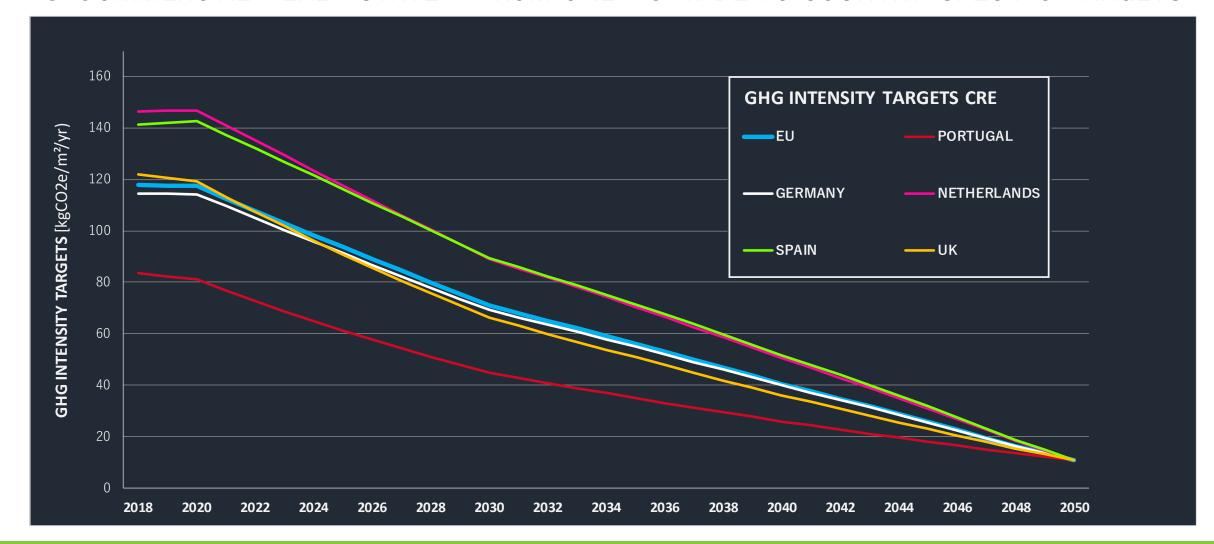
EU Commercial Real Estate – From absolute to Intensity Targets



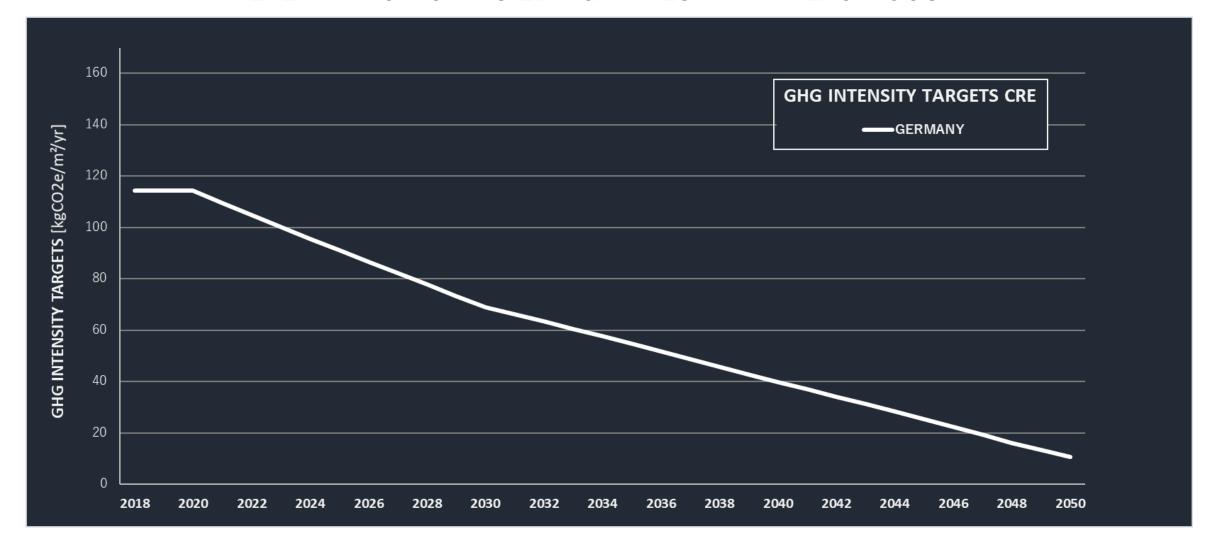
EU COMMERCIAL REAL ESTATE – FROM ONE EU-WIDE TO COUNTRY-SPECIFIC TARGETS



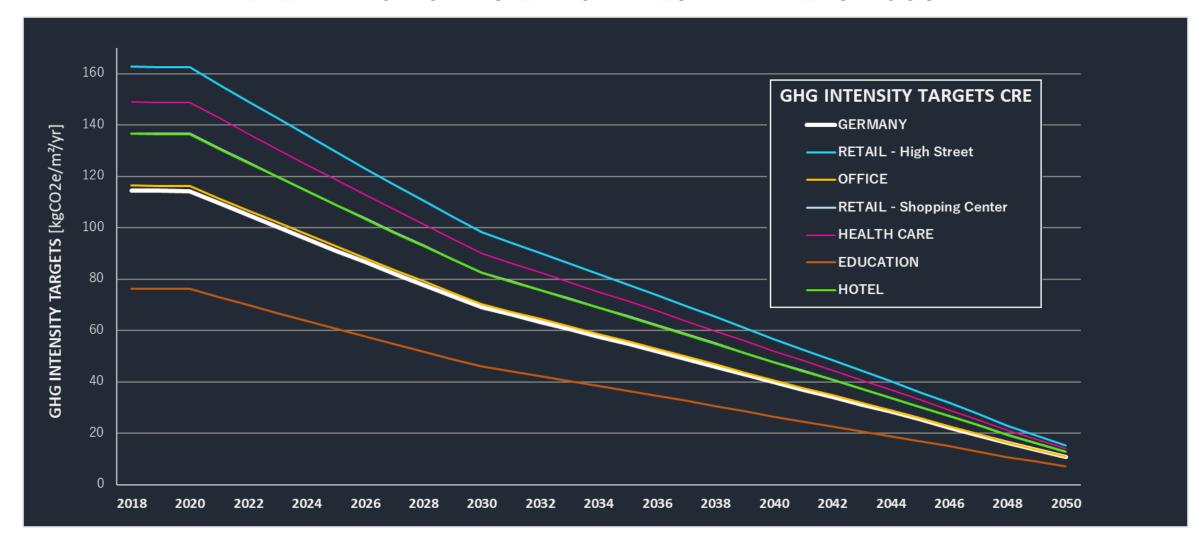
EU COMMERCIAL REAL ESTATE - FROM ONE EU-WIDE TO COUNTRY-SPECIFIC TARGETS



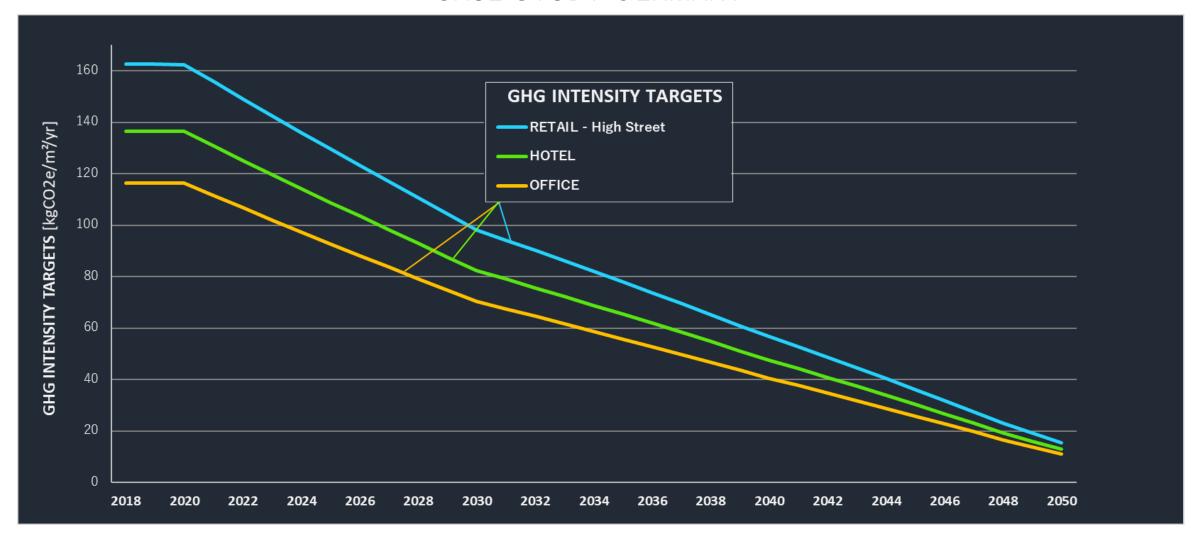
DIFFERENTIATION OF BUILDING TYPES WITHIN EACH COUNTRY



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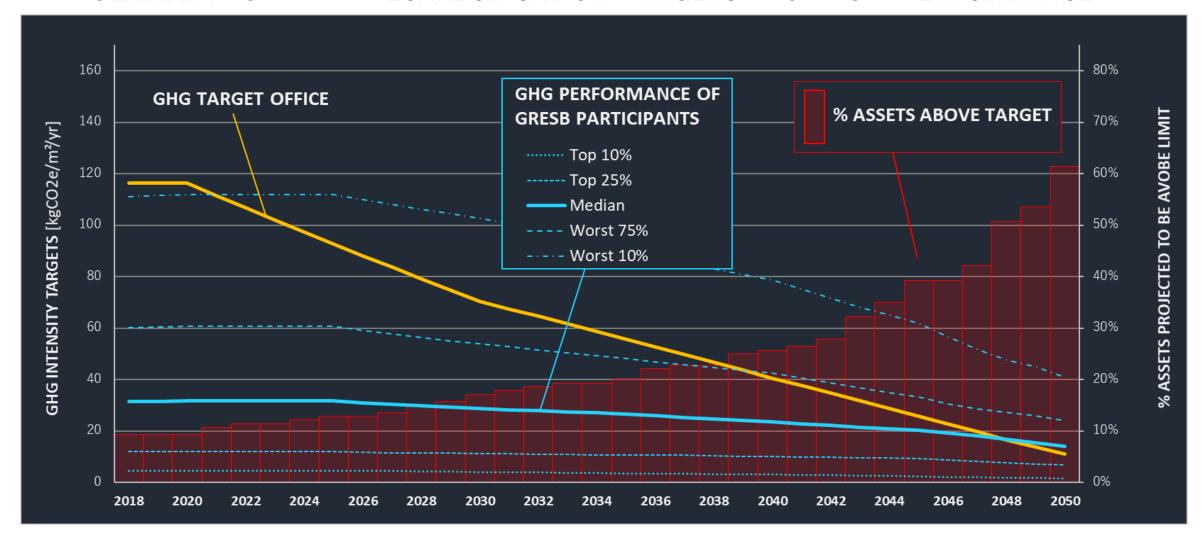
CASE STUDY GERMANY



GERMANY: CRREM DECARBONISATION TARGETS + GRESB PERFORMANCE



GERMANY: CRREM DECARBONISATION TARGETS + GRESB PERFORMANCE







available on

www.CRREM.eu

STRANDING RISKS & CARBON

Science-based decarbonising of the EU commercial real estate sector

available on www.CRREM.eu



