TOWARDS LOW CARBON AND

CLIMATE RESILIENT DEVELOPMENT



Growth, Investment and the Low-Carbon Transition

Part II: Strategic Importance of Low Carbon Development and Key Principles of its Implementation

Investing in Climate, Investing in Growth

Dr Simon Buckle
Head, Climate, Biodiversity and Water Division
Environment Directorate, OECD





Investing in Climate, Investing in Growth: in support of the 2017 German presidency of the G20



"Boosting economic growth does not mean locking the world into a high-emissions future, provided pro-growth reforms are combined with coherent climate policy and alignment of policies across the economy "



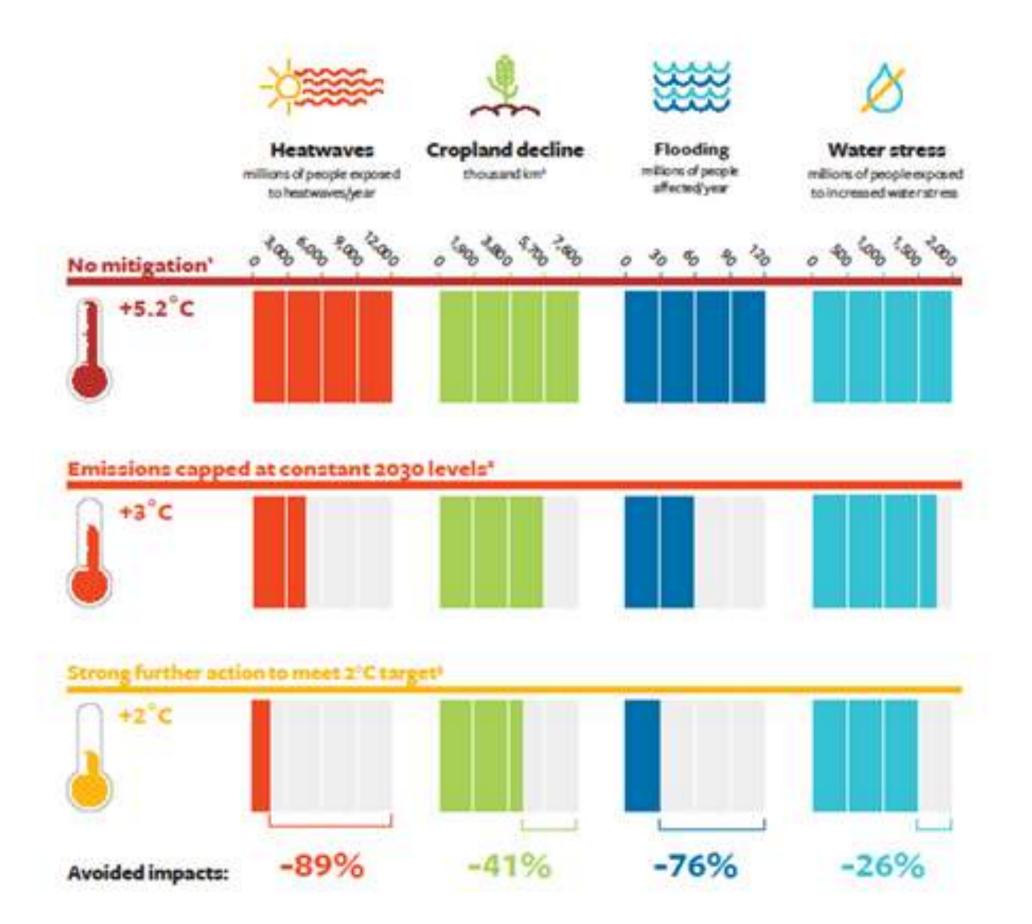


Growth, Investment and the Low-Carbon Transition

(S))OECD

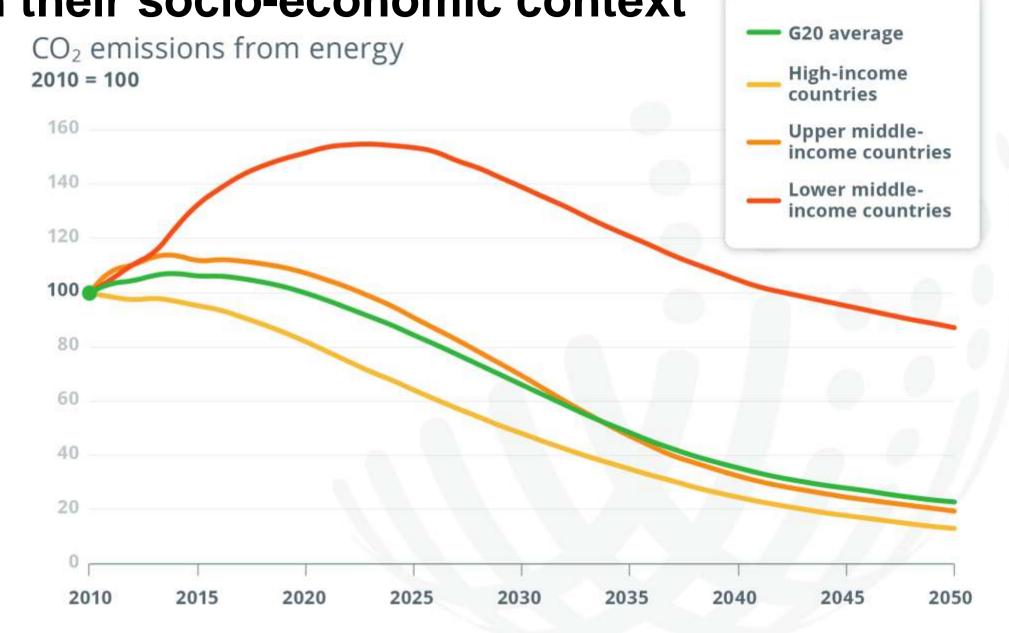
BETTER POLICIES FOR BETTER LIVES

The benefits of mitigation





Delivering on Paris: countries' pathways to vary depending on their socio-economic context



Based on 66% chance of staying below 2C

Political economy

- Carbon entanglement
- Energy security and stranded assets
- Inclusive, just transition

Sectoral issues

- Energy vs. AFOLU emissions
- CO2 vs other gases/pollutants
- Heavy industry

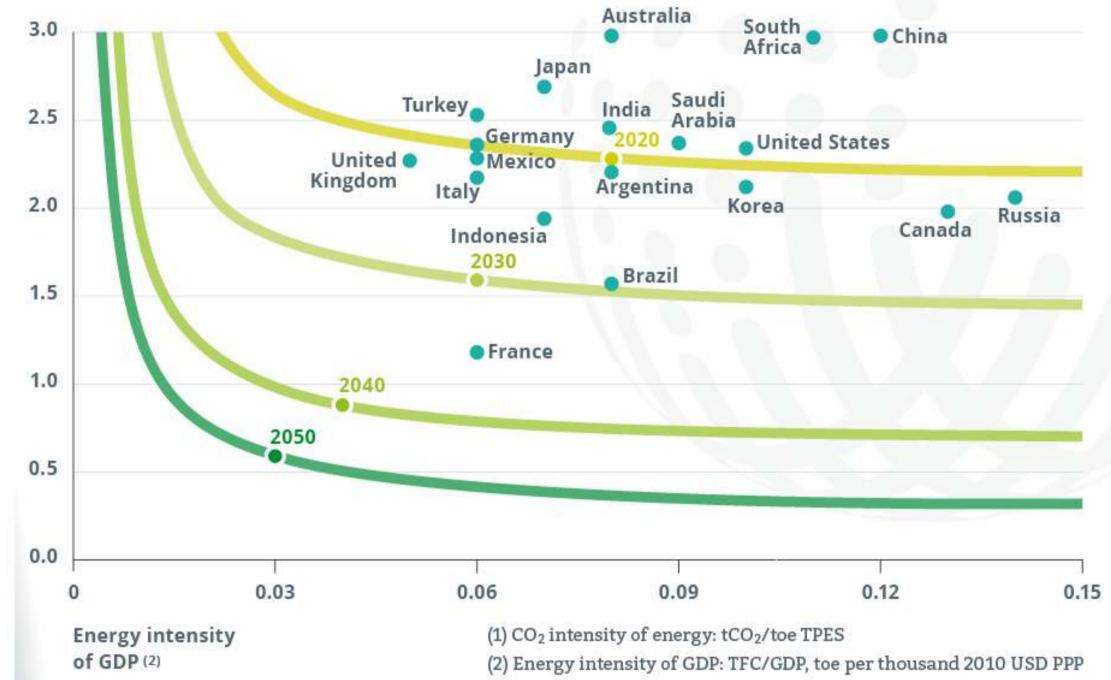




G20 countries face different challenges in forging low-emission pathways

CO2 intensity of energy and energy intensity of GDP are key determinants of CO2 emission





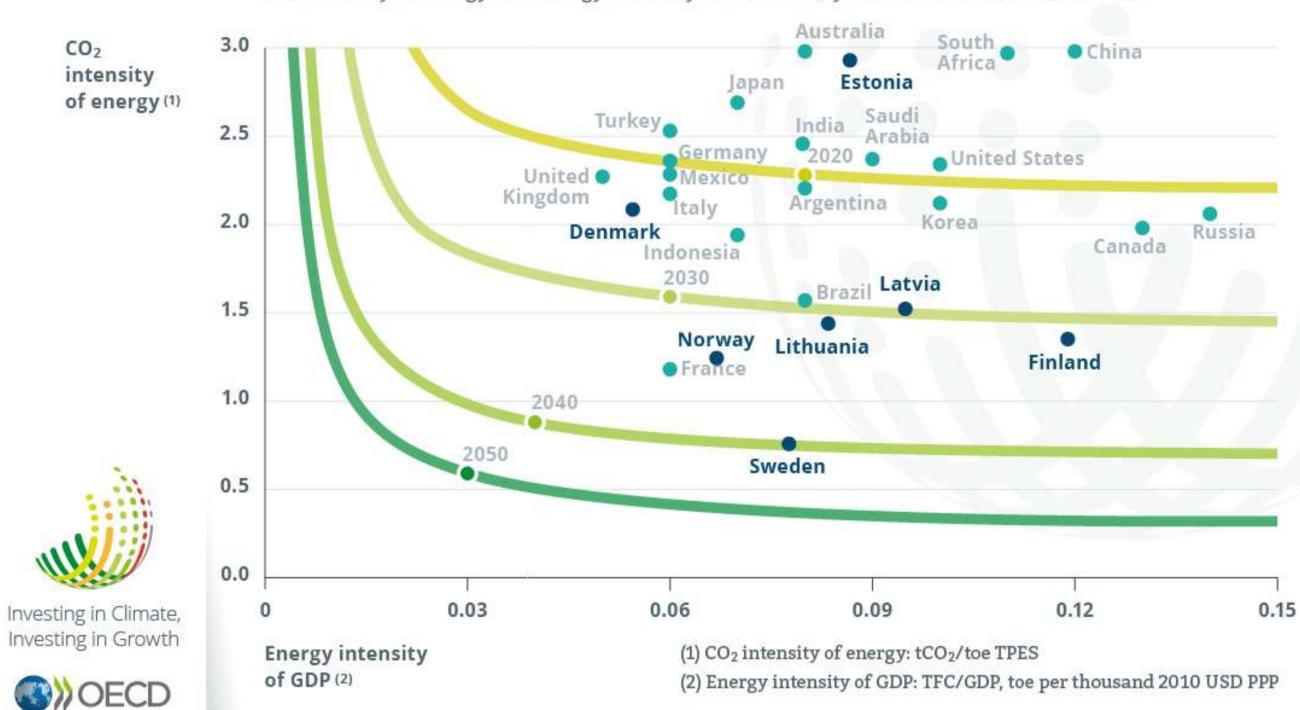






G20 countries face different challenges in forging low-emission pathways

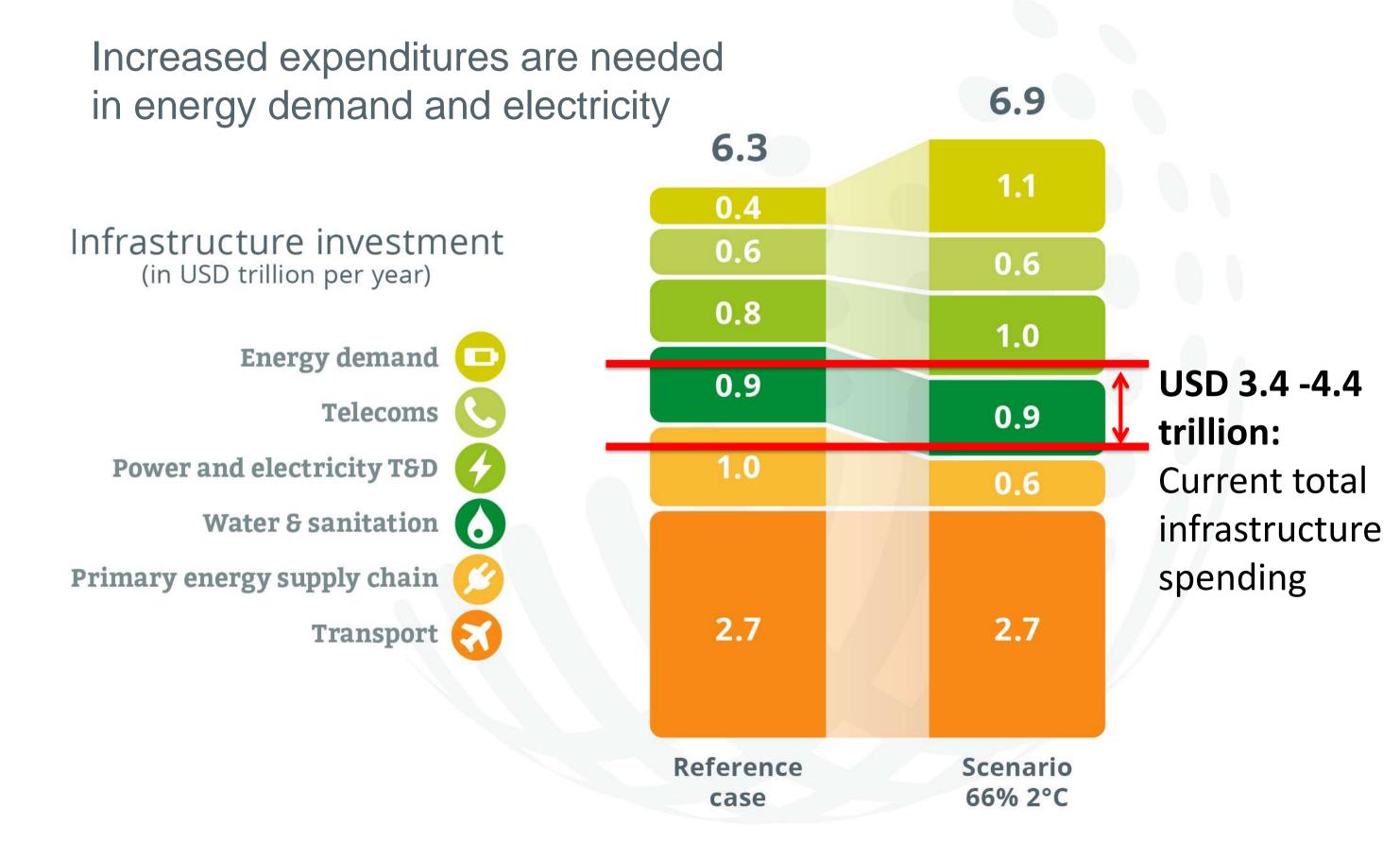
CO2 intensity of energy and energy intensity of GDP are key determinants of CO2 emission







An ambitious 2°C scenario requires a 10% increase in infrastructure investment ...

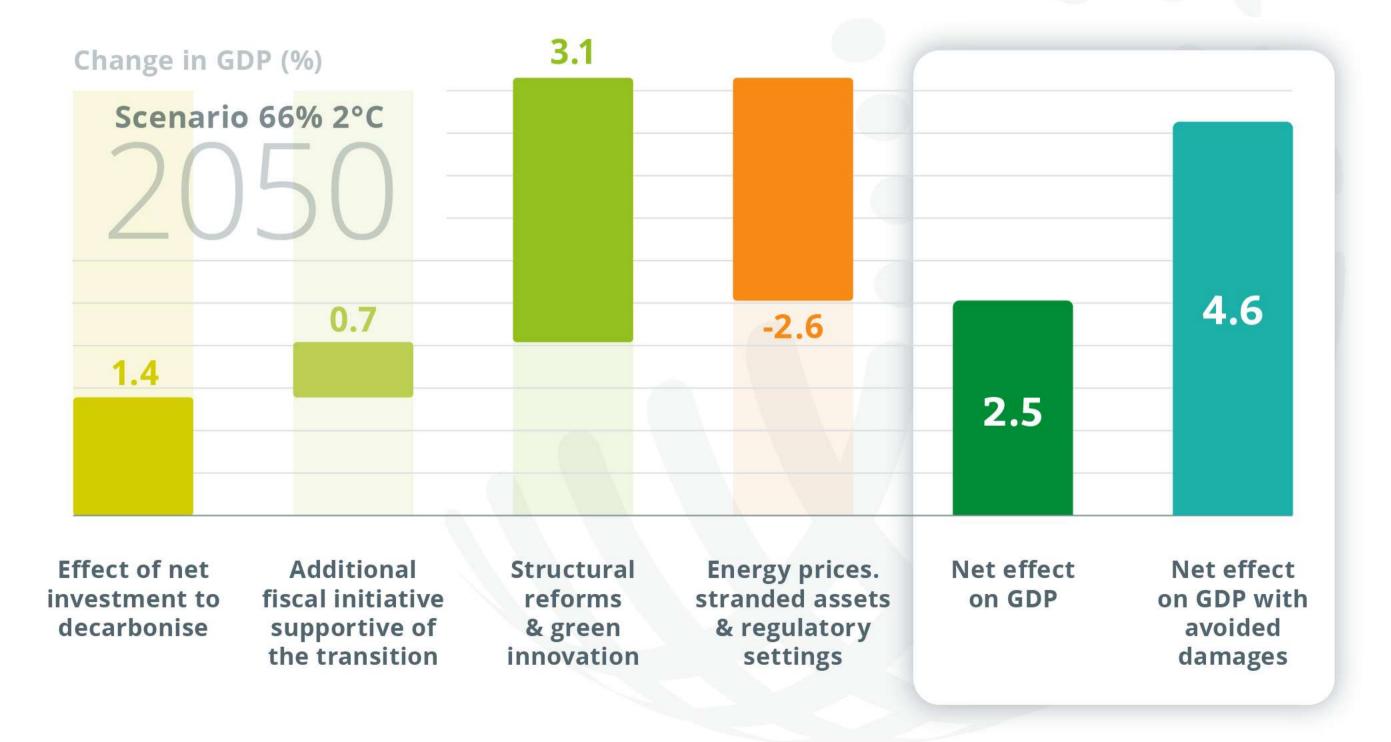






Ambitious climate policies are compatible with growth

The combined actions of more ambitious climate policies and economic reform still deliver a net GDP increase in the long run.







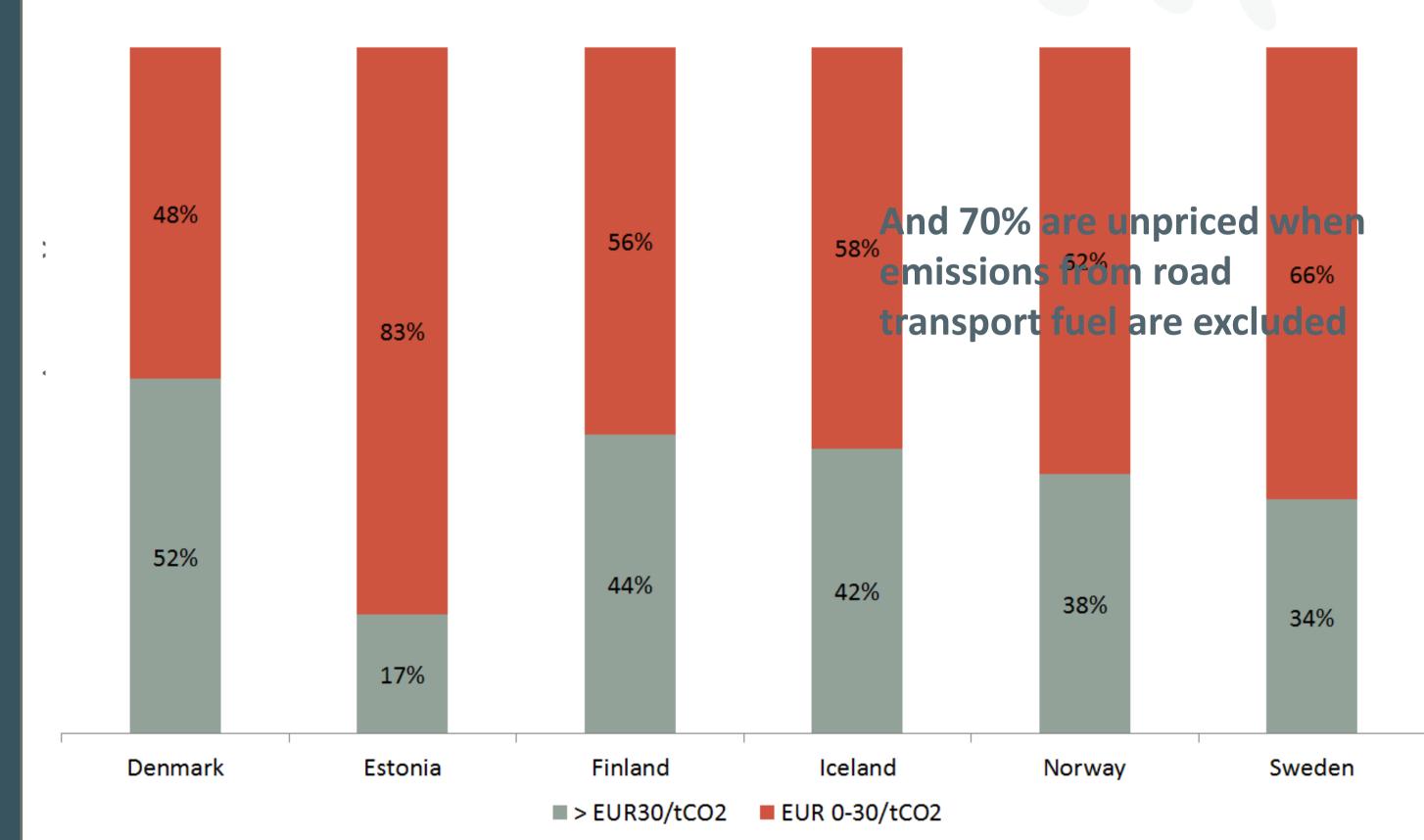
Three components of a well-aligned policy framework for climate and growth







Carbon pricing should be at the heart of low-carbon policy, but more than 60% of emissions in the G20 are not priced at all







Mobilising financing for the transition

- Increasing private sector investment in low-carbon infrastructure will be essential to achieve the transition, beyond the successes made with conventional renewables
- Overcoming barriers to private infrastructure investment generally, and specifically improving understanding of risks and returns related to lowcarbon infrastructure
- Policy recommendations related to financing include:
 - Supporting development and piloting of innovative financial instruments
 - Taking steps towards a financial system that fully accounts for climate factors
 - Using public development banks to better mobilise public and private finance as well as influencing policy conditions in developing countries







"The Leaders of the other G20 members state that the Paris Agreement is irreversible. We ... note the OECD's report "Investing in Climate, Investing in Growth". We reaffirm our strong commitment to the Paris Agreement, moving swiftly towards its full implementation ... "



Full report and further information at http://oe.cd/G20climate

Thank you for your attention



Electricity generation

