

# **Beyond peak emission transfers: historical impacts of globalisation and future impacts of climate policies on international emission transfers**

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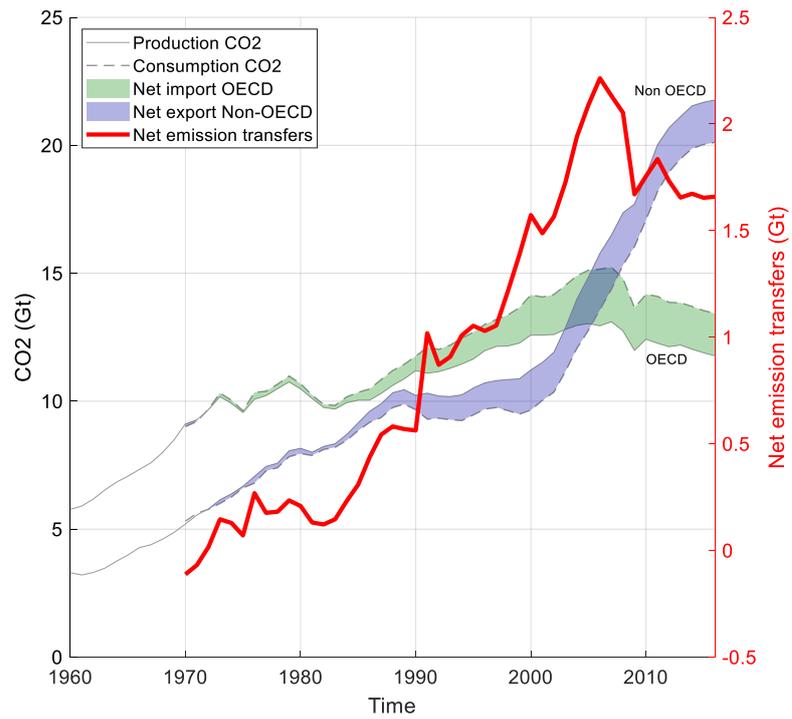


Figure 1. Production and consumption based emissions and net ‘south-north’ emission transfers, OECD (green) and Non-OECD (blue), 1960-2016 (background format inspired by Peters et al (2011)).

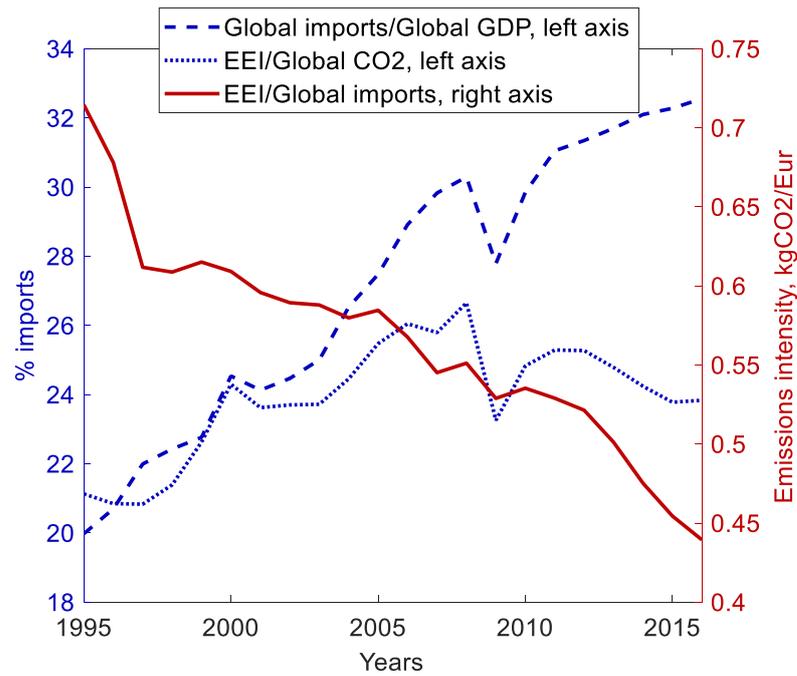


Figure 2 Recent developments of trade and embodied emissions in trade, 1995-2016. Blue line (dashed): Ratio of imports to global GDP, constant 2005 prices (left axis); Blue line (dotted): Ratio of emissions embodied in trade (EEI, global trade=imports) to global carbon dioxide emissions (left axis); Red line: Emissions intensity of trade (right axis).

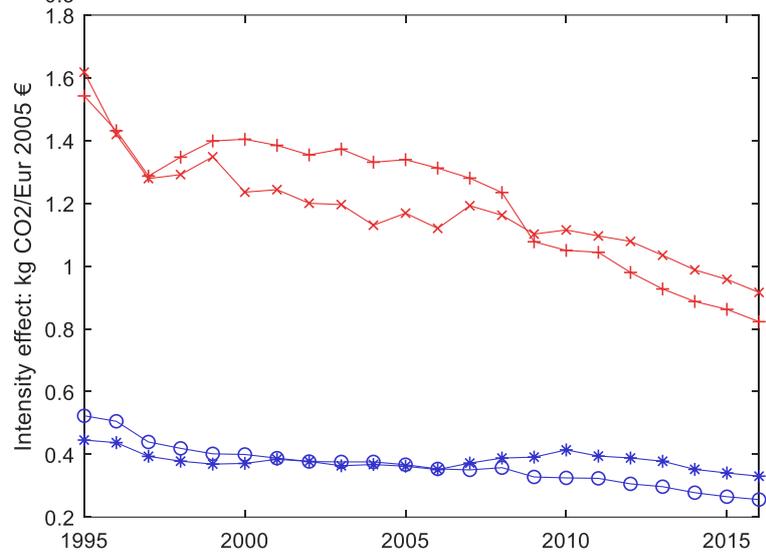
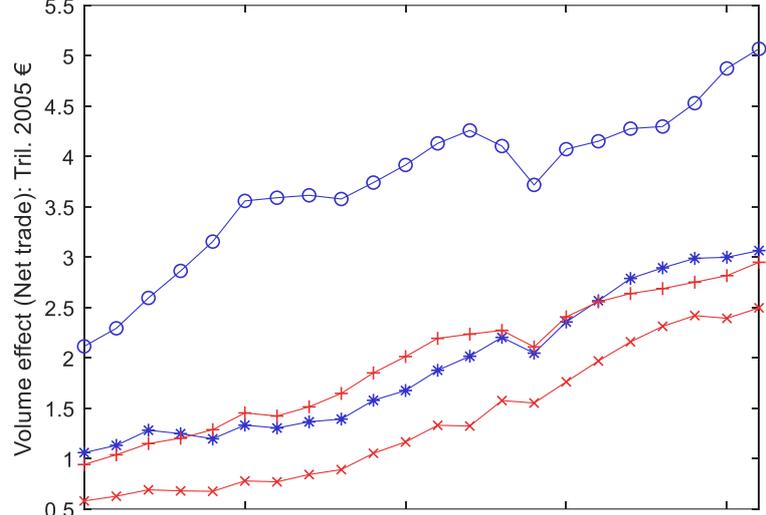
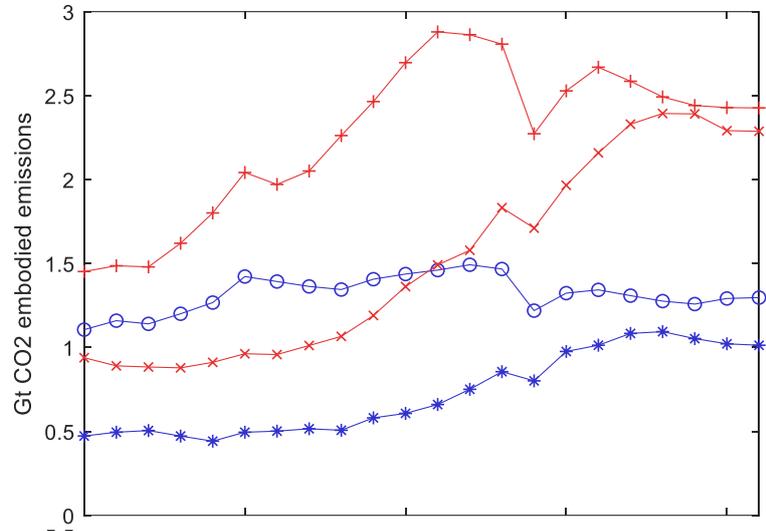


Figure 3 Changes in inter and intra regional embodied emissions. Top: Emissions embodied in inter and intra -regional trade, Gt CO<sub>2</sub>; Middle – the volume of inter and intra-regional trade; Lower: The intensity of trade, showing the embodied emissions per unit of net inter/intra regional trade.

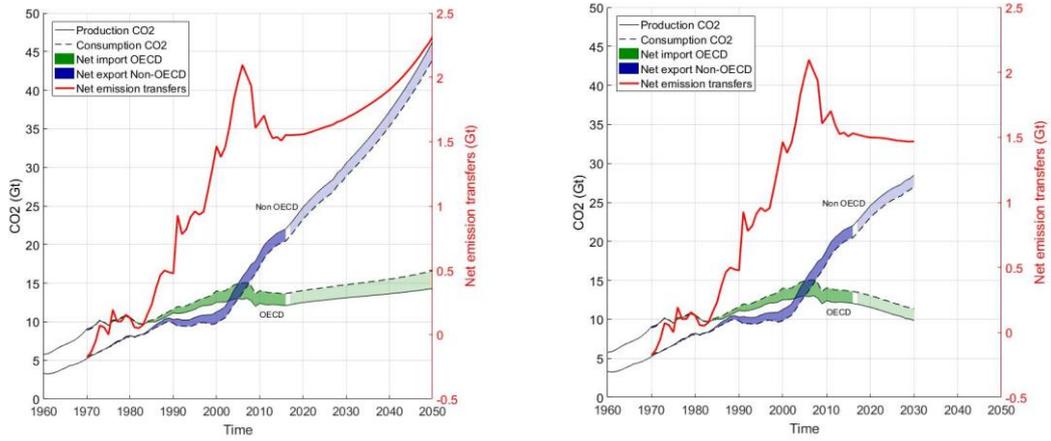


Figure 4 Projections of production based and consumption based emissions, Left – baseline scenario to 2050; Right- NDC scenario to 2030, when commitments end.

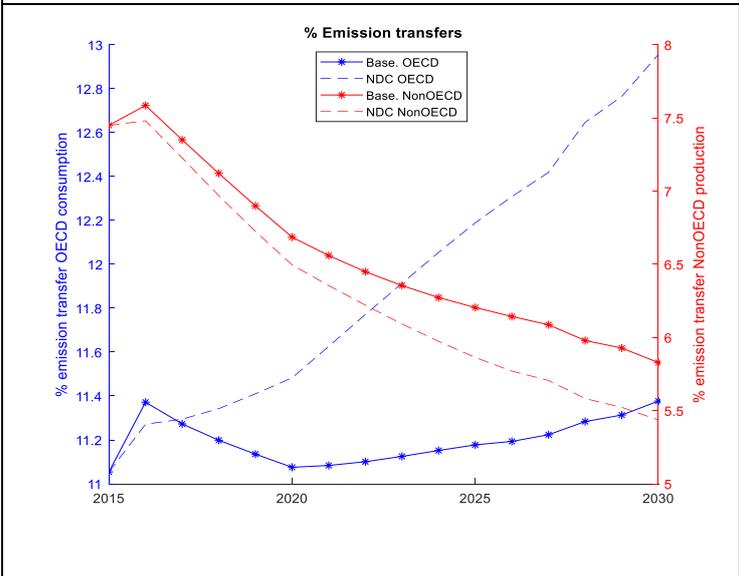
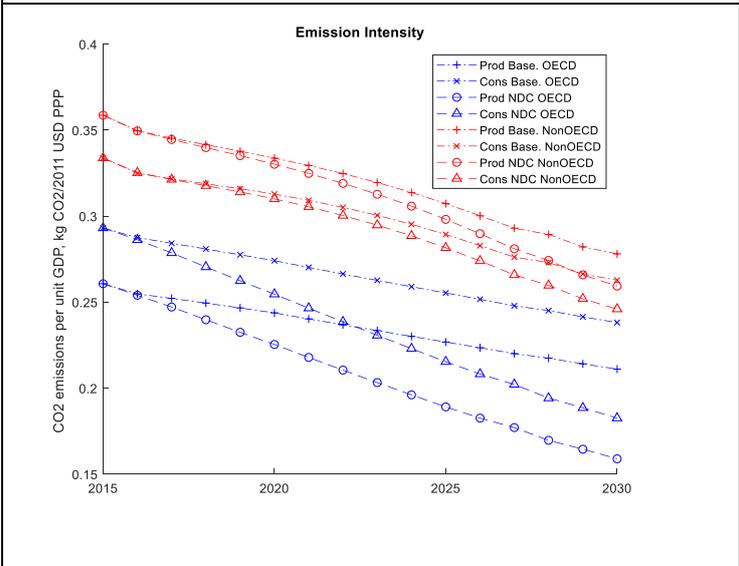
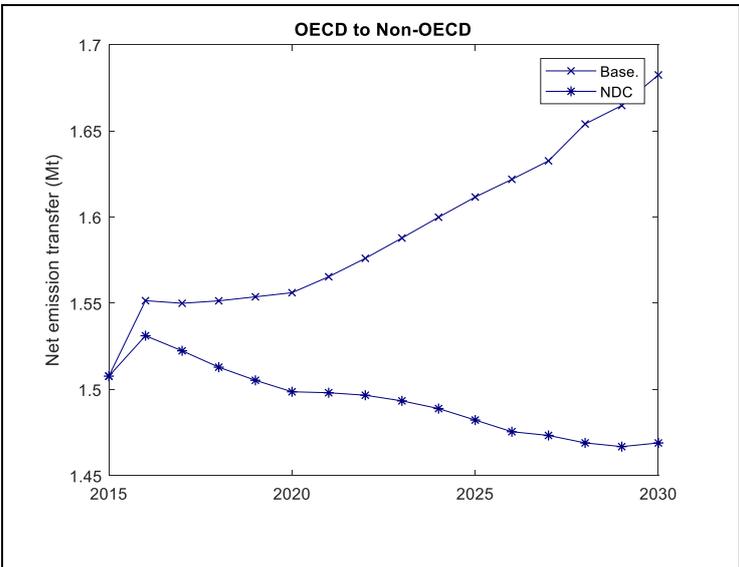


Figure 5 Relative importance of net emission transfers 2010-2030. A) Scenarios of absolute emission transfers between OECD and Non-OECD; B) Evolution of scenario emission intensities for OECD and Non-OECD, production and consumption account; C) % Emission transfer of consumption account (OECD) and production account (Non-OECD).