ACE155

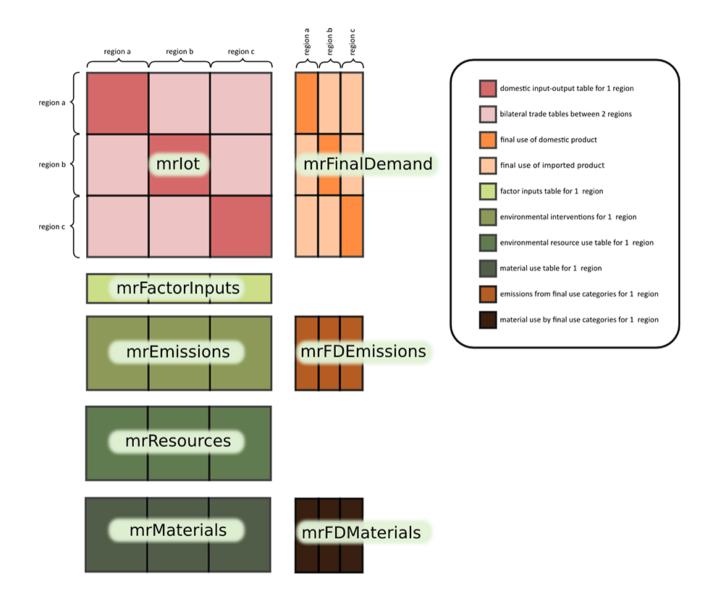
Multi-Regional Input-Output tool



MRIO definition

A multiregional input-output table describes the economic system not only in terms of interdependent industries, but also in terms of several interrelated regions.

MRIO conceptual model



Existing MRIO models



43 countries, and a model for the rest of the world Period 2000-2014 Data for 56 sectors

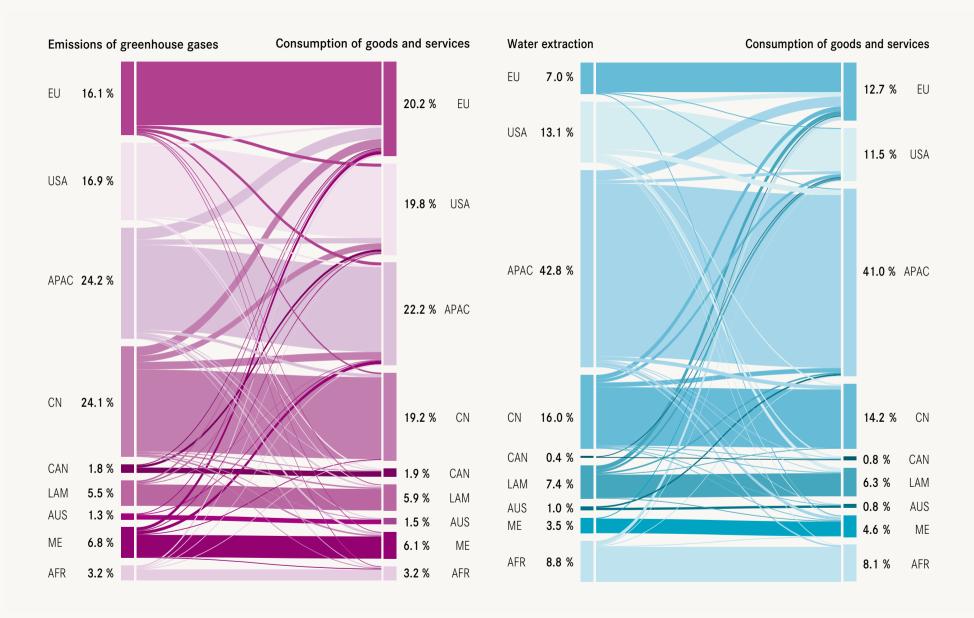


43 countries, 5 Rest of World regions
200 products, 164 industries
39 resources, 5 land categories, 66 emissions
supply and use of waste flows, supply and use of packaging, new
accumulation of materials, crop residues/ grass accounts, avoided
emissions

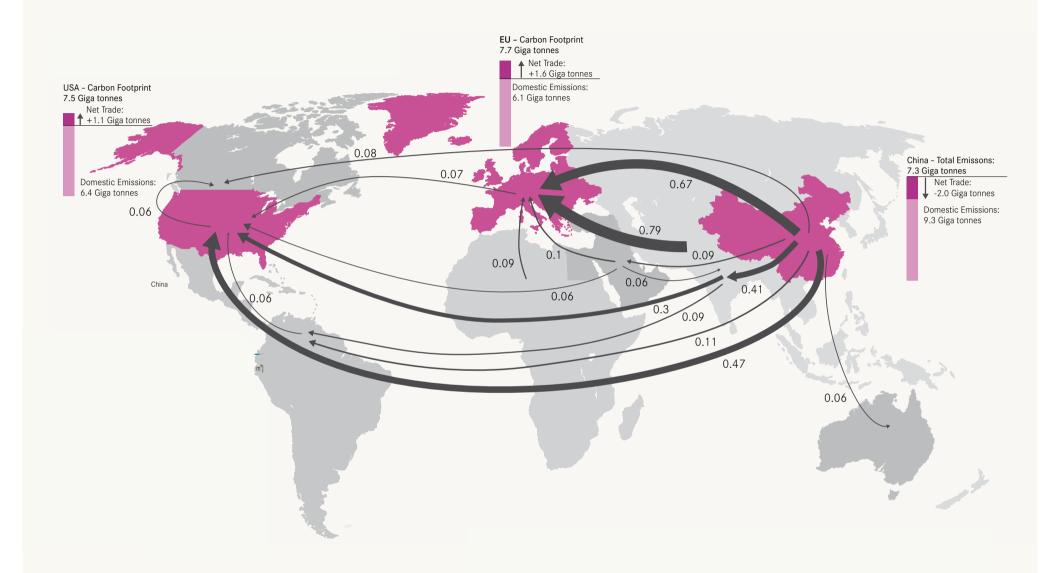


inter-sectoral transfers amongst 15,909 sectors
190 countries
timeseries for 1990-2015
2720 line item environmental indicators covering GHG emissions,
labour inputs, air pollution, energy use, water requirements, land
occupation, N and P emissions, primary inputs to agriculture
(including 172 crops) from FAOSTAT, and Human Appropriation of
Net Primary Productivity

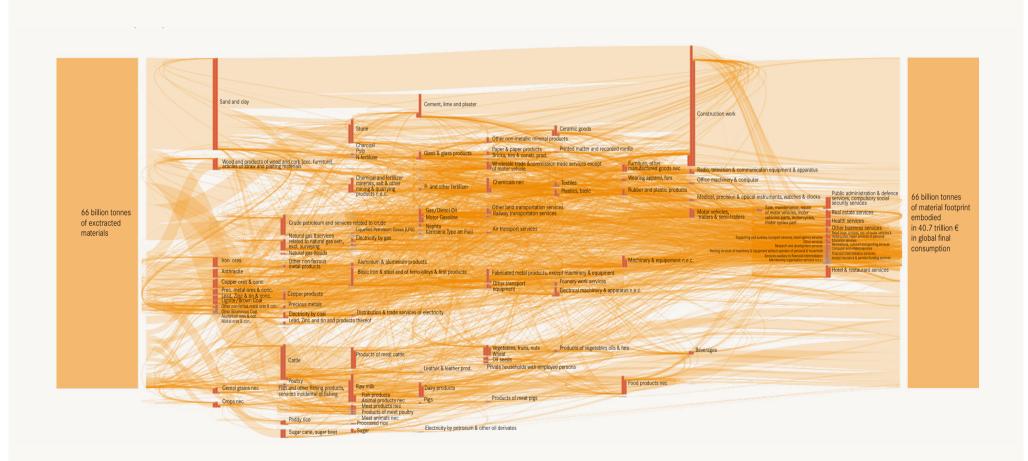
Applications of MRIO models



Quantification of footprints



Spatialization of global flows



Supply-chain analysis

