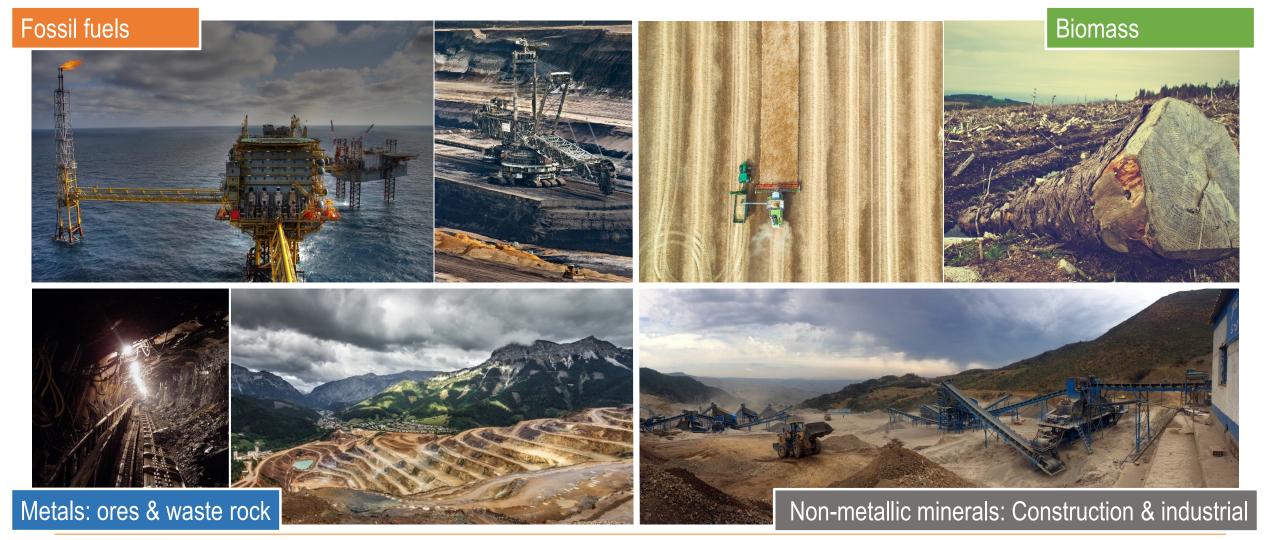
Sustainability in the Anthropocene? Investigating the metabolism of society







This project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant agreement No 741950).

Sustainability in the Anthropocene? Investigating the metabolism of society



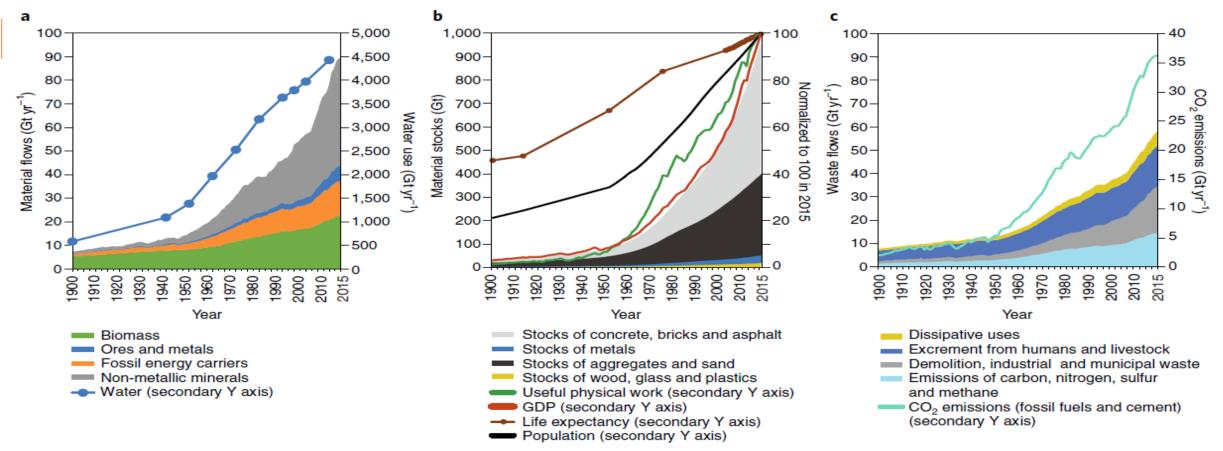


Fig. 3 | Scale and dynamics of global social metabolism in the Anthropocene, illustrating the systemic interlinkages between resource use,

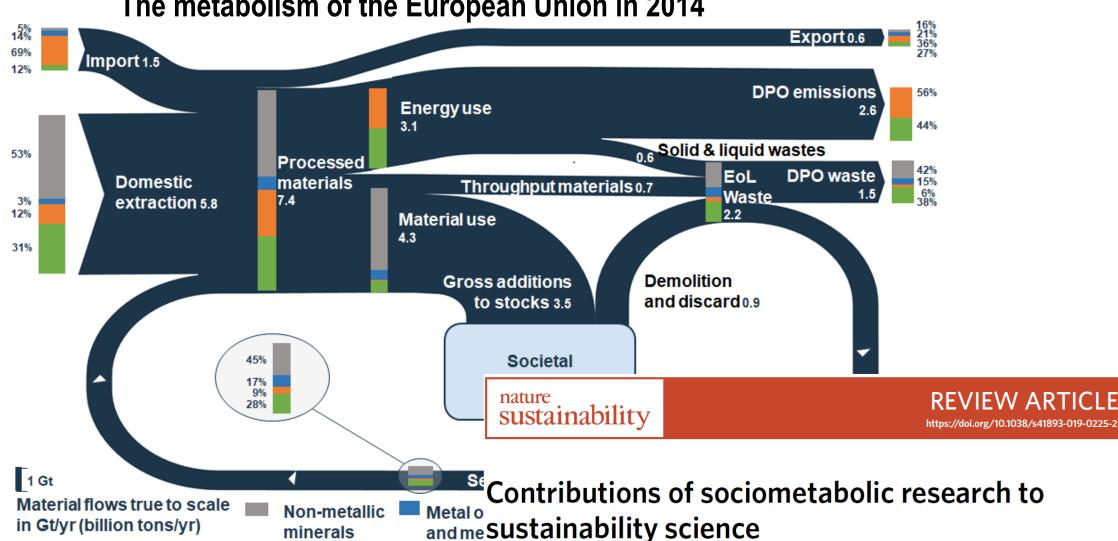
socioeconomic dynamics and ensuing waste and emissions. a, Resource extraction and inputs into social metabolism. **b**, Key socioeconomic dynamics such as population, GDP, life expectancy, useful physical work/useful exergy, and material stocks (here the mass of manufactured capital). **c**, A comprehensive mass-balanced (that is, output = input - net change of stocks) estimate of all outputs of wastes and emissions to the environment as well as fossil-fuel



This project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant agreement No 741950).

Sustainability in the Anthropocene? Investigating the metabolism of society









This project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant agreement No 741950).

Helmut Haberl^{1*}, Dominik Wiedenhofer¹⁴, Stefan Pauliuk²⁴, Fridolin Krausmann¹, Daniel B. Müller¹³ and Marina Fischer-Kowalski¹⁴