



# Material flows and resource productivity - OECD work



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# OECD work on material flows and resource productivity

## Background

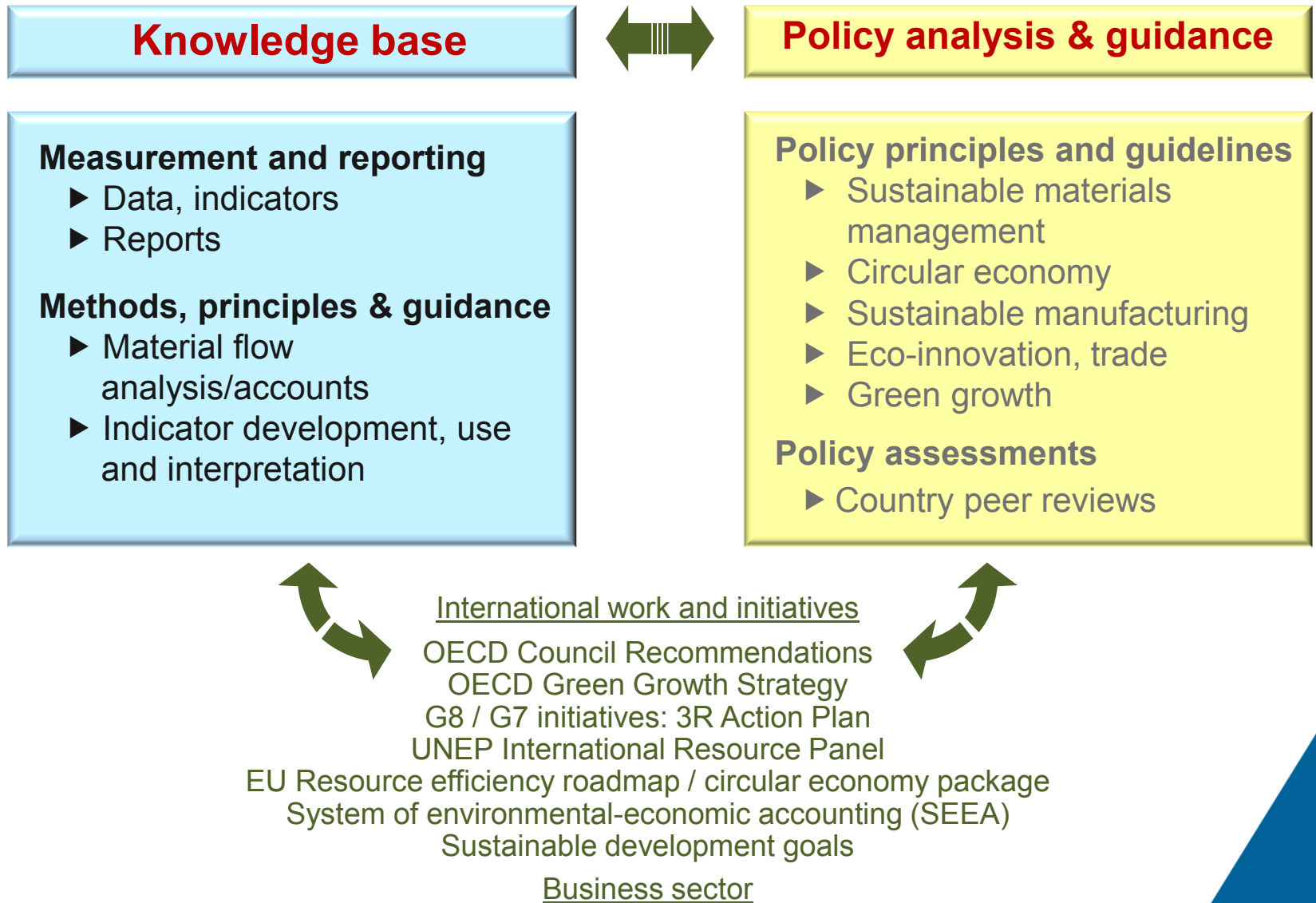
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- **Initiated in 2000**
  - Recommendations by OECD Council (2004, 2008)
  - Requests by G8 / G7 Heads of State and Government
- **Embedded in work on**
  - Environmental performance and information
  - Green growth
- **Two main works streams**
  - Information, knowledge and reporting → data, indicators, accounts
  - Policy analysis and guidance
  - International co-operation: Eurostat, UNEP IRP



# OECD work on material flows and resource productivity

## Work streams

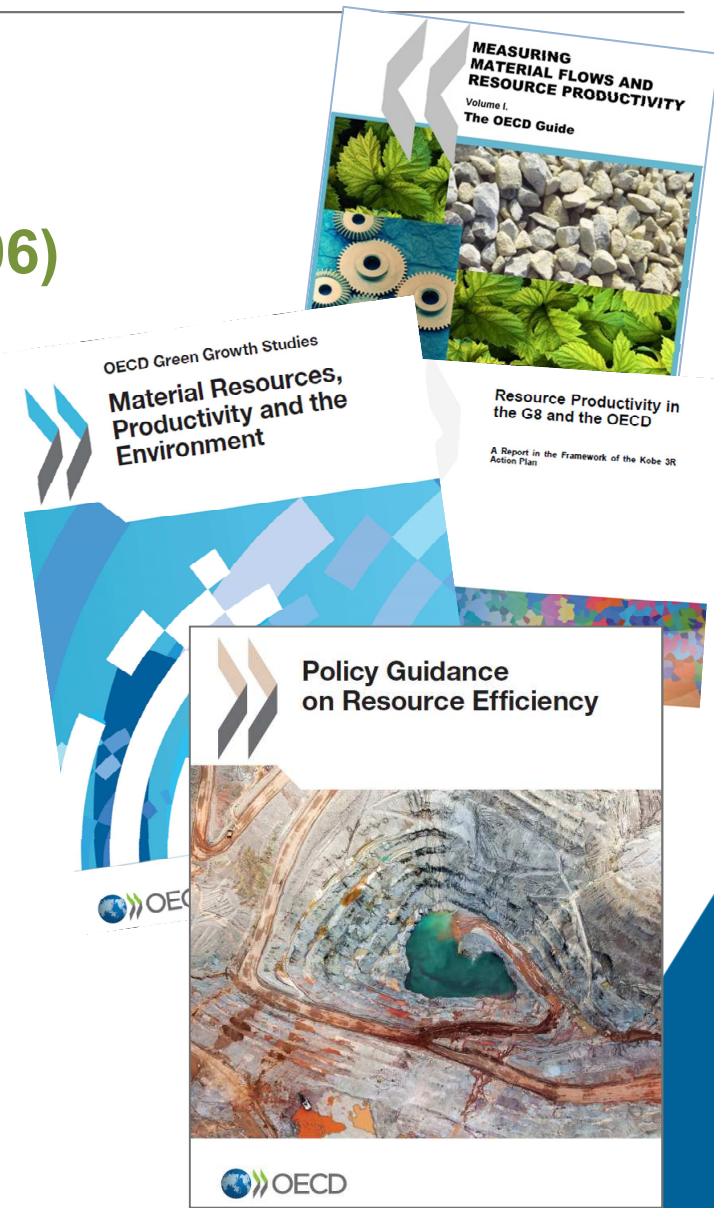




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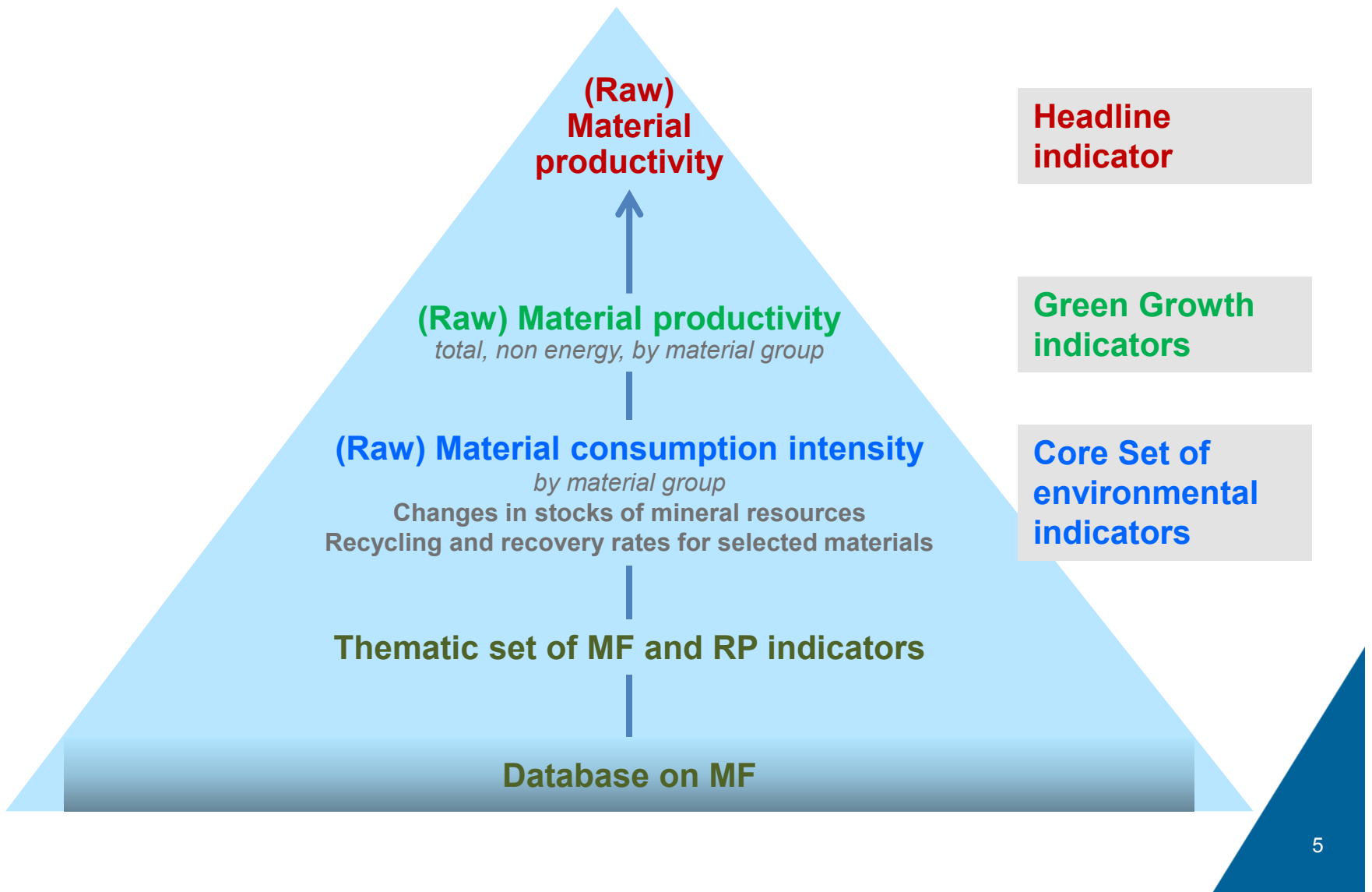
## Main outputs

- **OECD guide on measuring MF & RP, including MF accounts (2008)**
- **Database on material flows (since 2006)**
  - Eurostat methodology
  - EU data, expanded to OECD countries and beyond, BRIICS, ...
  - Collaboration with research institutes
  - Time series from (1980) 1990-2012
- **Indicators**
- **Reports**
  - Material resources, productivity and the environment(2014)
  - Policy Guidance on Resource Efficiency (2016): response to G7 request, coordinated with UNEP





# OECD work on material flows and resource productivity Indicators



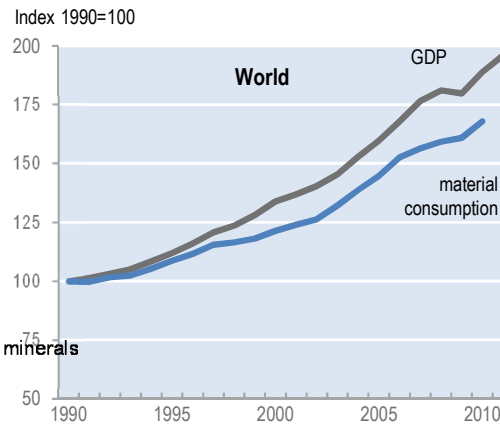
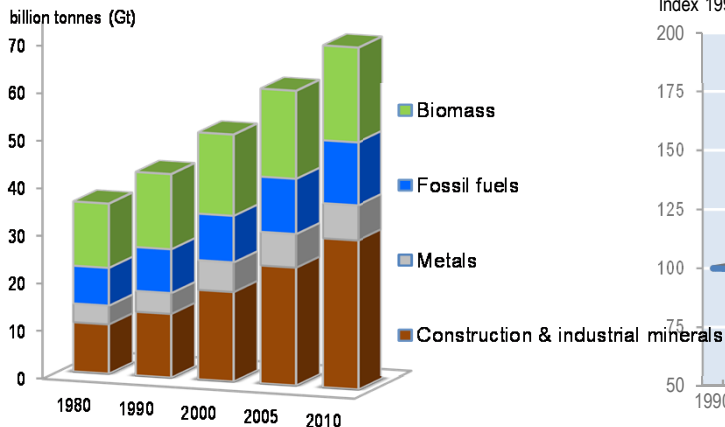


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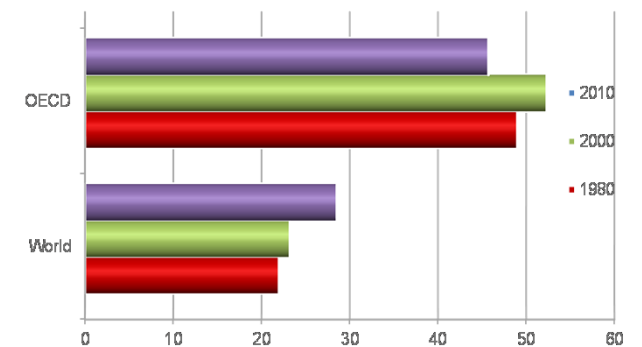
## Key messages from OECD report

- Unprecedented growth in demands for raw materials world-wide
- Slower growth in OECD countries; first signs of decoupling
- But material consumption in OECD countries is still 60% higher than the world average

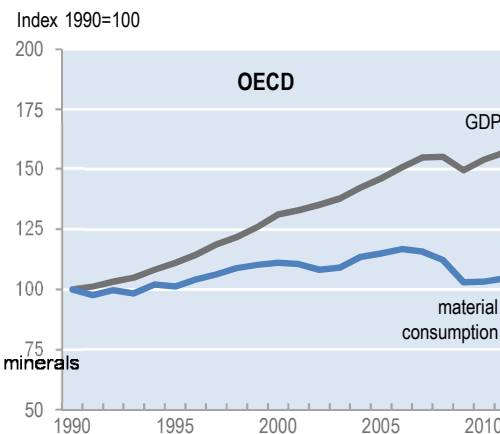
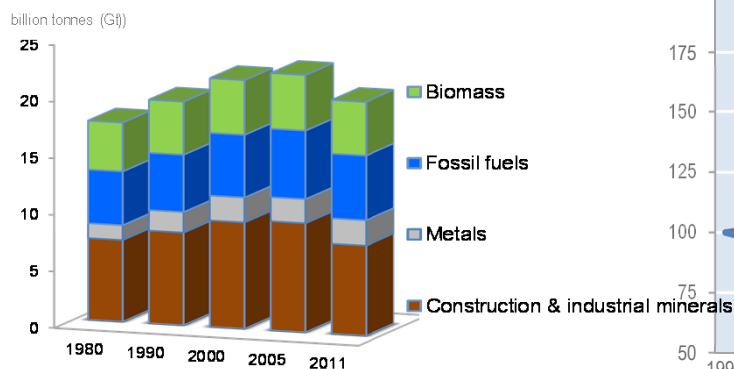
Global extraction of material resources



Material consumption kg per person per day



Material consumption, OECD





## OECD work on material flows and resource productivity Current work and planned developments

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- **Further development of the information basis**
  - **Demand-based measures of material flows (footprints)** with UNEP-IRP and Eurostat; expert workshops on methodologies and indicators (2014, 2015, 2016-17)
  - **Filling data gaps** concerning secondary raw materials, recycling, recovery, circular economy, → link to waste flows
  - Linking MF to **natural resource stocks/ reserves** (asset accounts)
  - Updating the OECD guide on **Material flow accounts** (tbc)
- **International cooperation to set up a global capacity for monitoring material flows**
  - Cooperation with UNEP IRP and Eurostat to ensure global coherence: Eurostat database (mandatory) ↔ OECD database ↔ UNEP-IRP database (2015) on UNEP life
  - Cooperation with UNSD to ensure coherence with the SEEA
  - Link to the monitoring of the SDGs: global and regional reporting