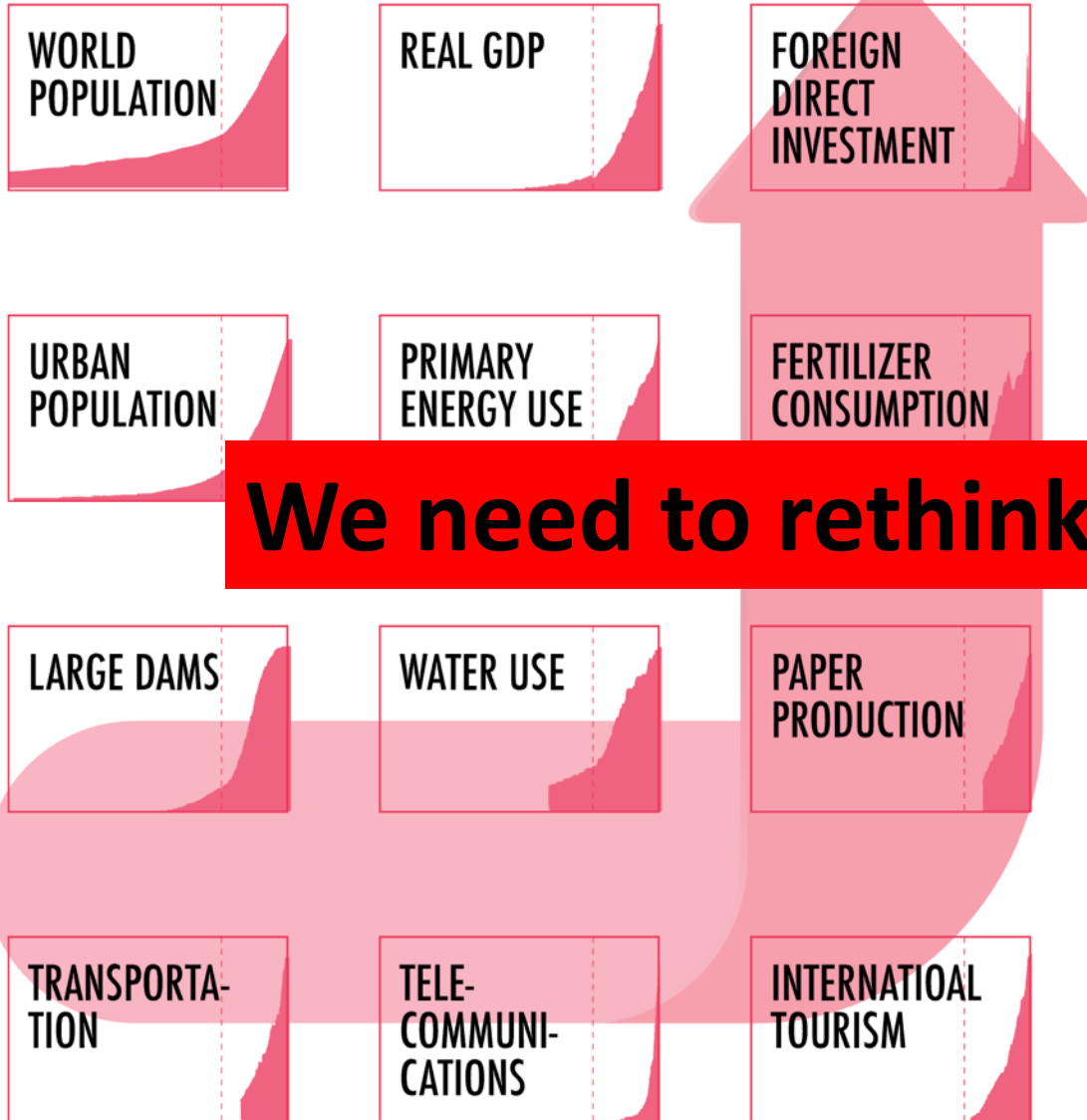


Second Regional Conference: Measuring and monitoring the circular economy and the use of data for policymaking

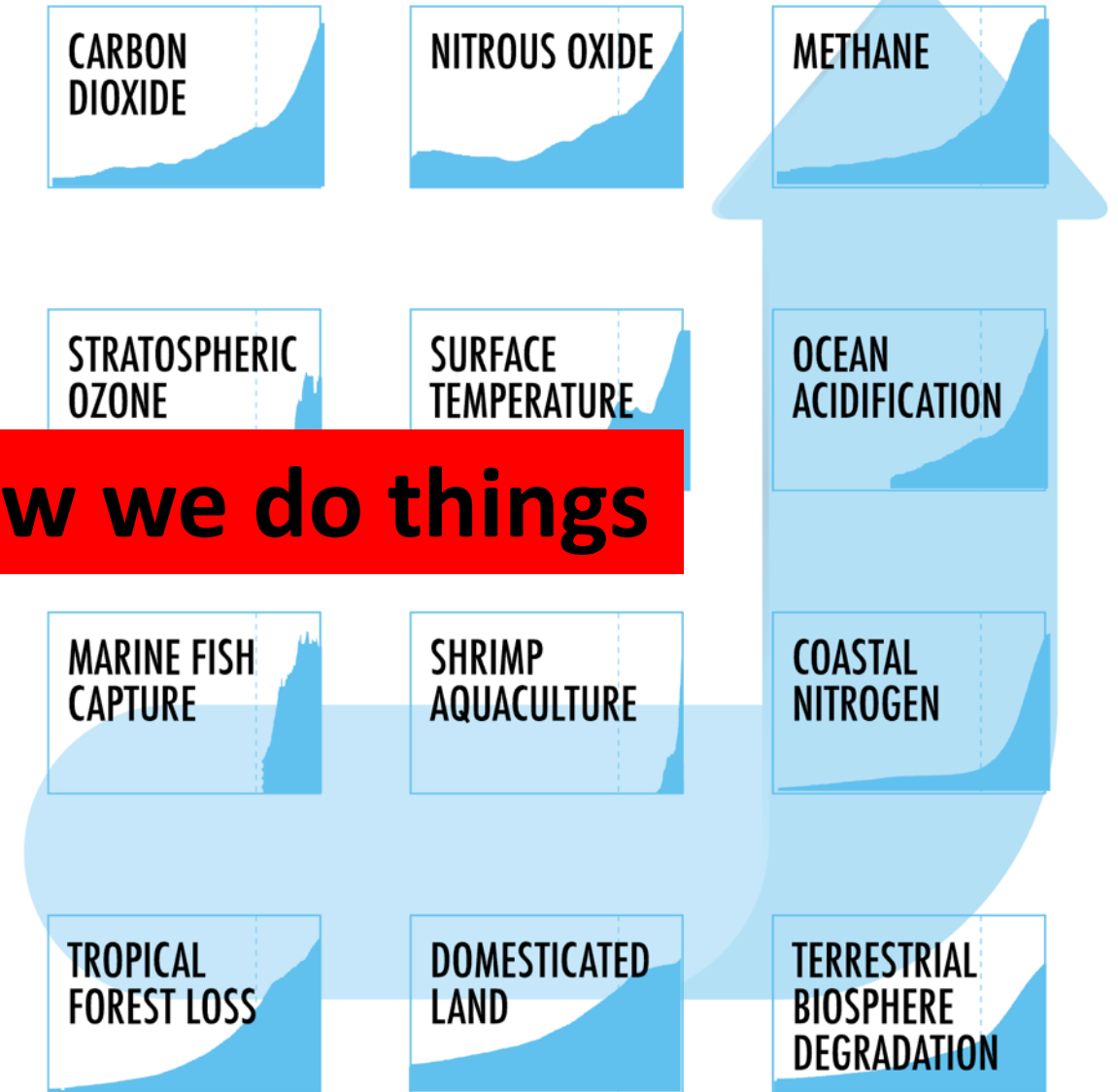
Circular Economy as a transformational agenda – monitoring is a joint effort



Socio-economic trends



Earth system trends



We need to rethink how we do things



IPCC: climate
change



IPBES: Biodiversity
loss



IRP: natural
resources



OMS:
environment
and health

Urgency – this decade is critical

Irreversible changes

Tipping points

Interconnected crises

Increasing global material use
& globalised value chains

Changing demographics
& incomes

Distribution of social
impacts of material use

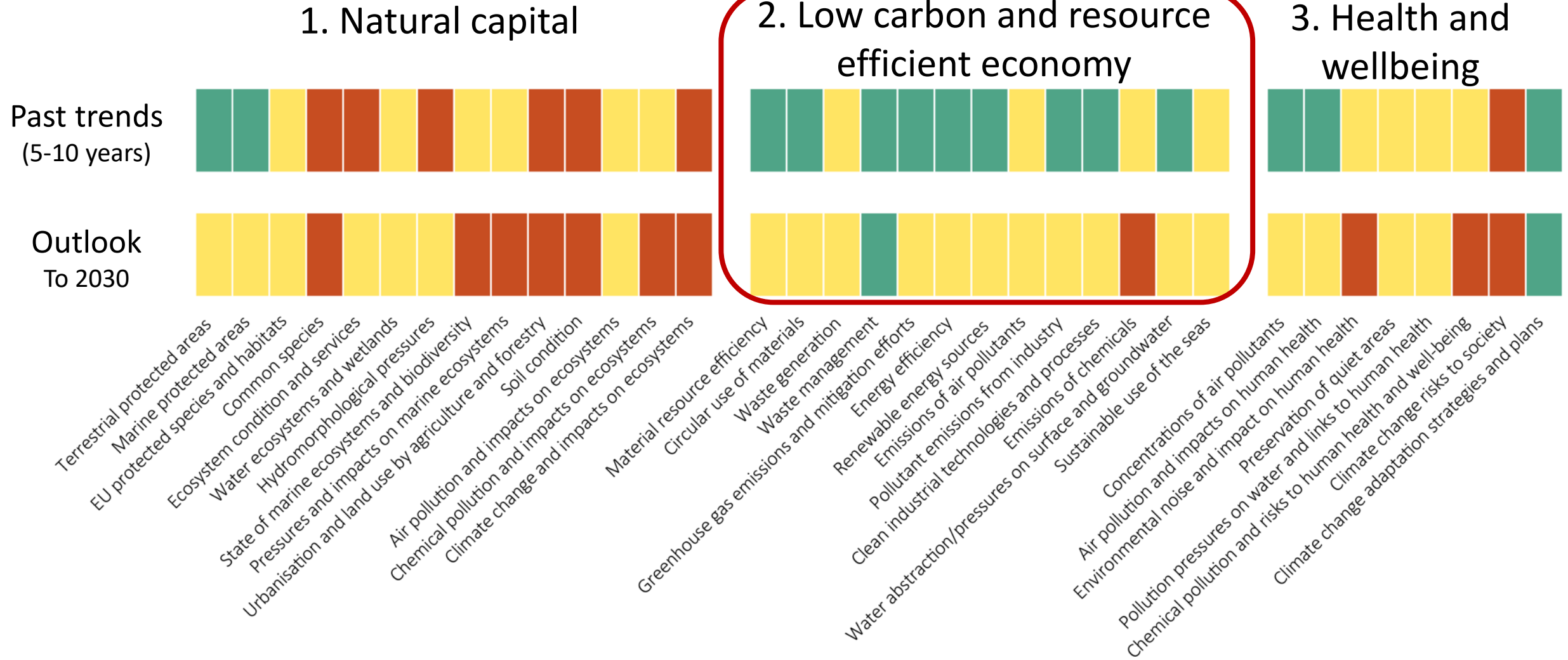
Distribution of supply
chain know-how

Virgin vs recycled
materials





“You cannot manage what you cannot measure”



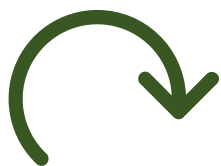
Key features of Circular Economy in Europe



Resource down
Productivity up



More waste
Better managed



Far from circular
Downcycling prevails



Design for circularity
Design for repair



Lack of targets



High resource use,
high value, high
impact

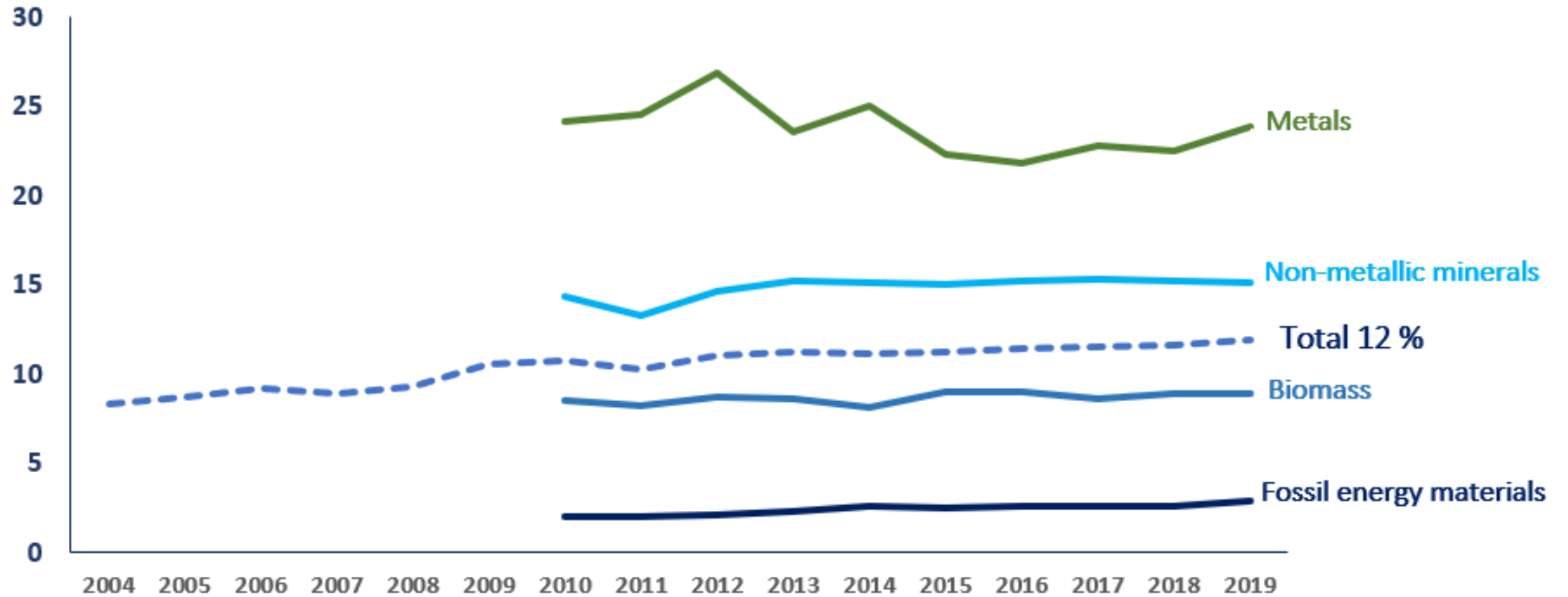


Externalities
Other barriers

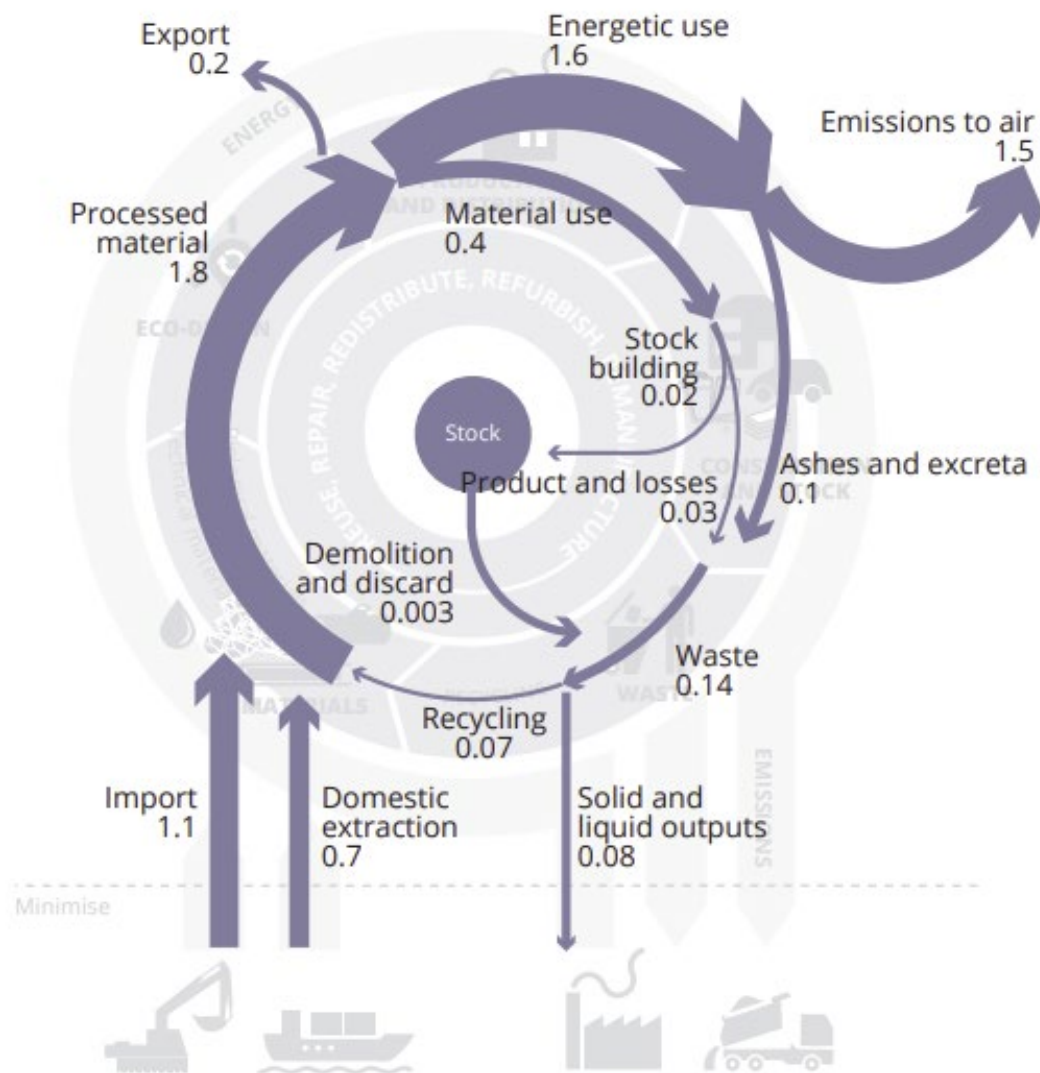


Deficient
monitoring

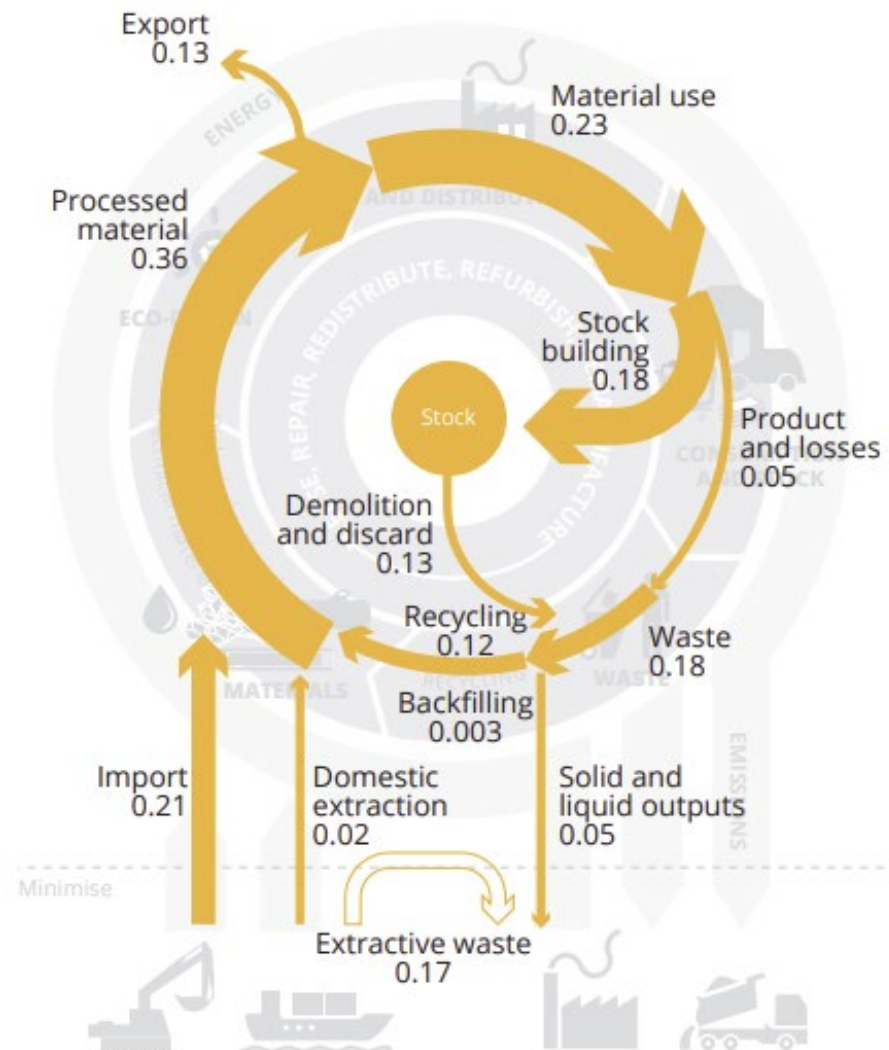
Circular material use rate (%)



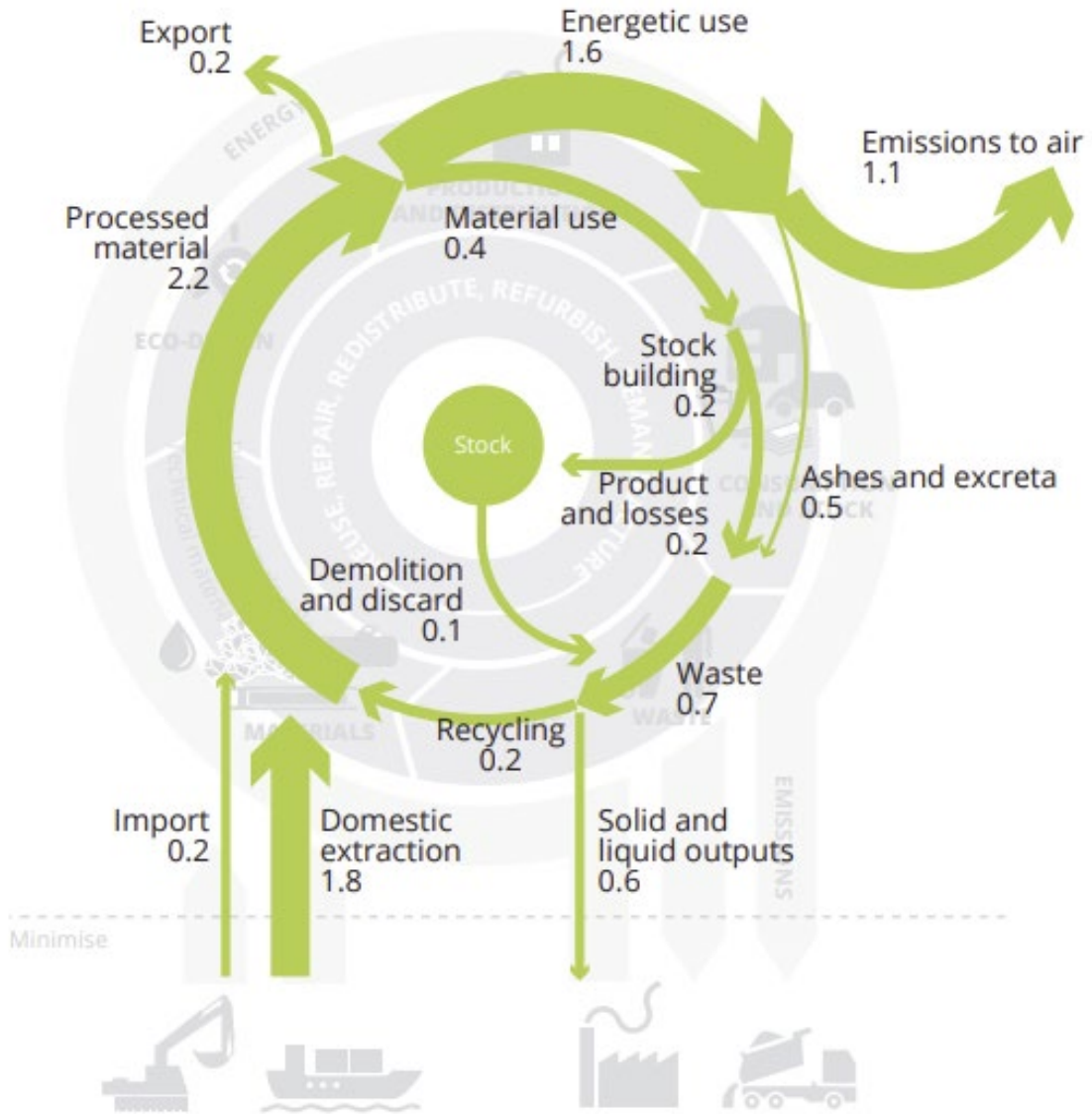
Fossil materials



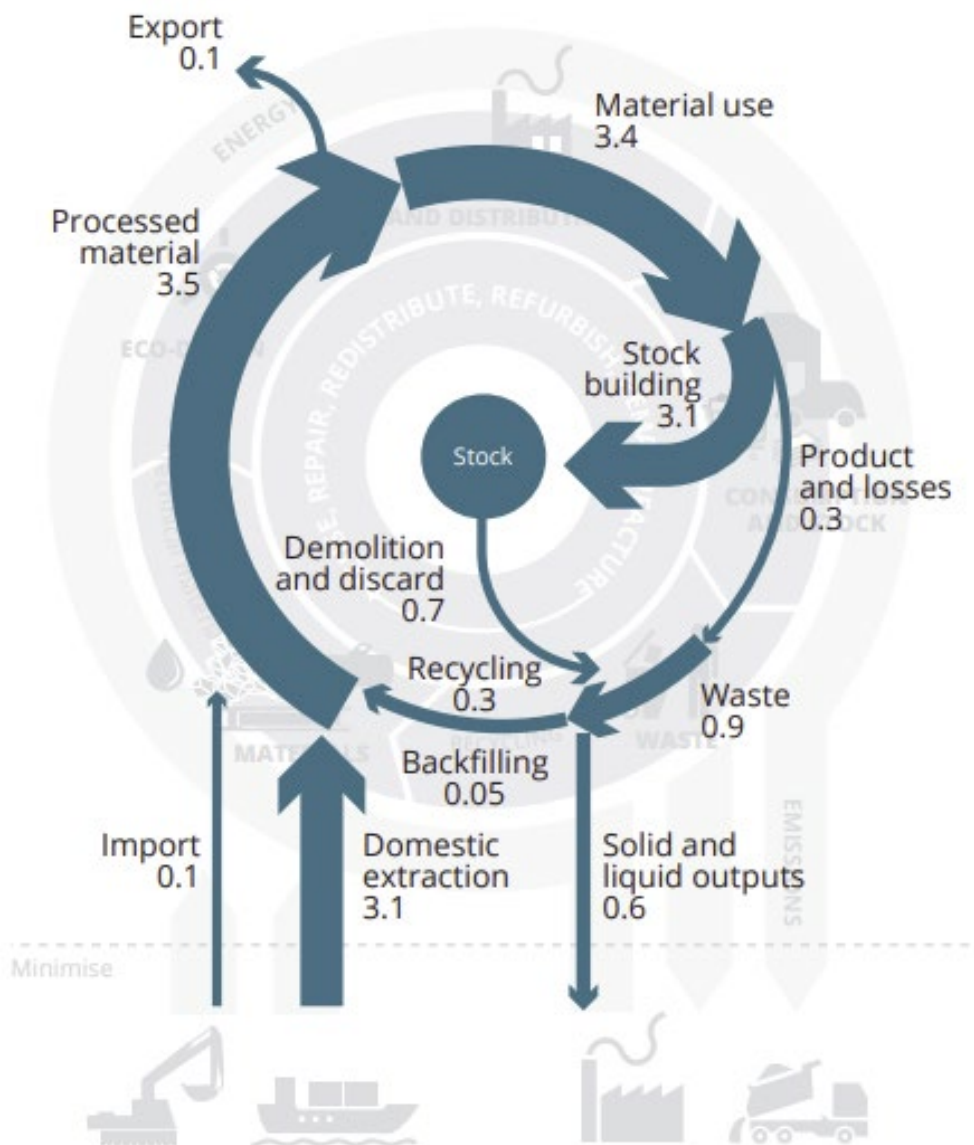
Metal ores



Biomass



Non-metallic minerals



1 EU self-sufficiency for raw materials

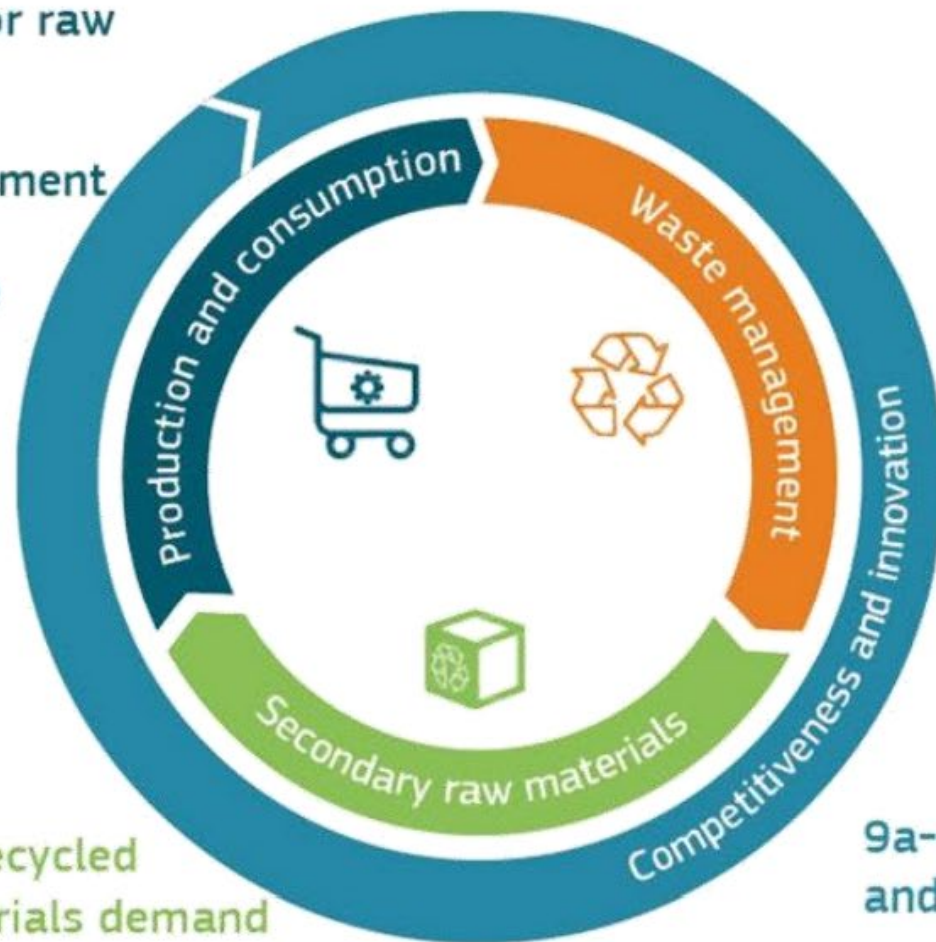
2 Green public procurement

3a-c Waste generation

4 Food waste

7a-b Contribution of recycled materials to raw materials demand

8 Trade in recyclable raw materials



5a-b Overall recycling rates

6a-f Recycling rates for specific waste streams

9a-c Private investments, jobs and gross value added

10 Patents



Official data

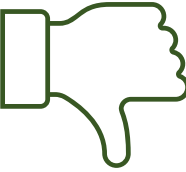
Material cycle is understood

Waste aspects well covered

Macro-view is achieved

Indicators are RACER-compliant

Lack of full implementation

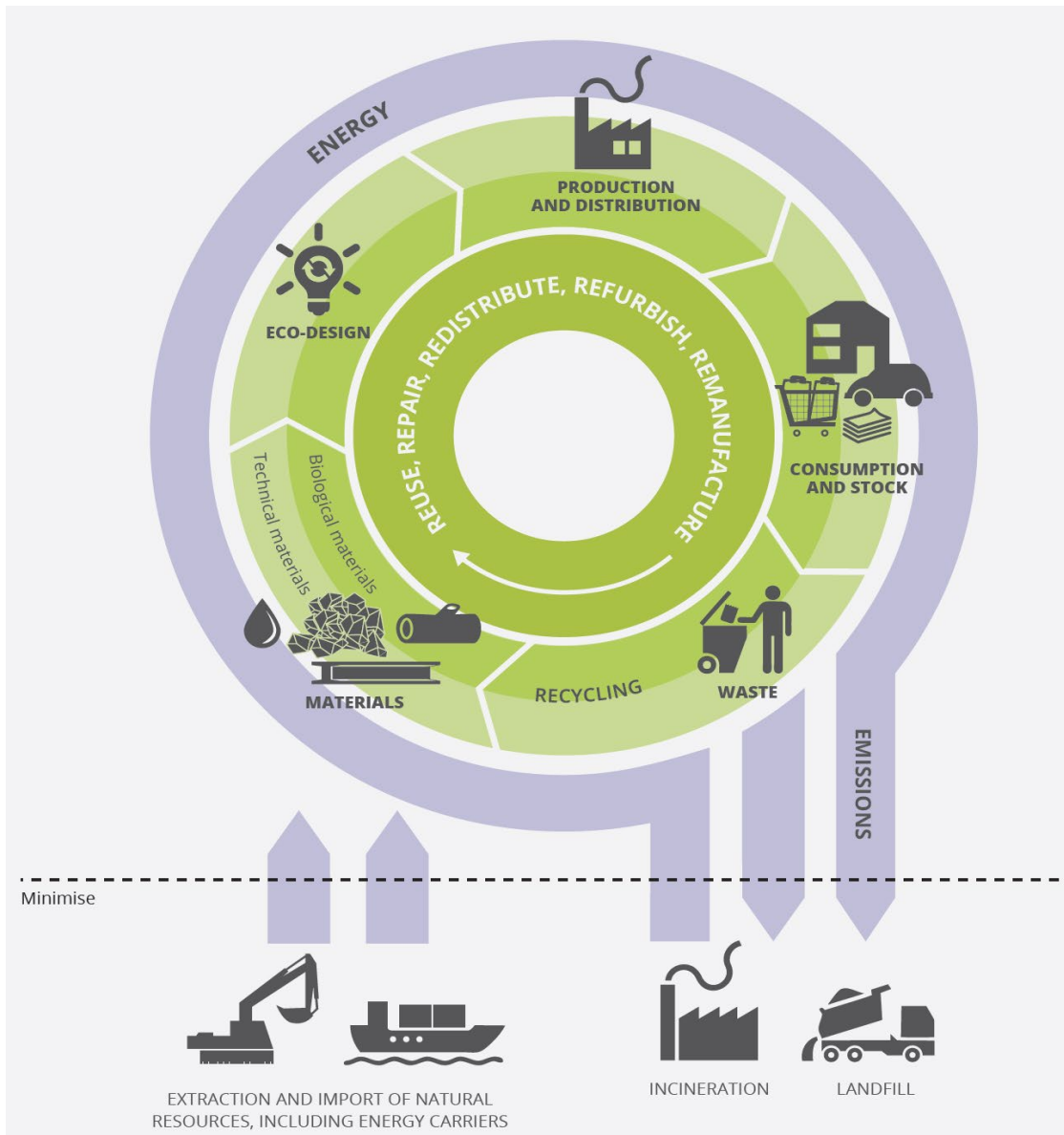


Some particular aspects of the CE concept are not reflected (e.g. eco-design, new business models)

A full understanding of life cycle of products and services is missing

No info on hazardous chemicals/clean material cycle

Waste aspects only covered as material flows



BELLAGIO PRINCIPLES



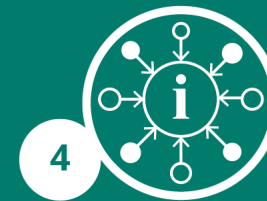
1 Monitor the circular economy transition



2 Define indicator groups



3 Follow indicator selection criteria



4 Exploit a wide range of data and information sources



5 Ensure multilevel monitoring



6 Allow for measuring progress towards targets



7 Ensure visibility and clarity



**Coalition
building**

**Bellagio
partnership**

Country level

Eurostat

UNECE / OECD

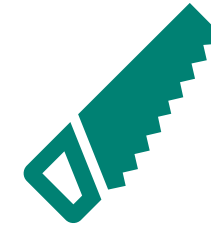


**Innovation
and pilots**

**Harvesting data
from product
passports**

**Piloting the use of
novel data sources**

**Experimental
Dashboard**



**Delivery and
implementation**

**CE State and
Outlook report**

**Experimental
dashboard on CE**

EEA Indicator set

Doubling CMUR