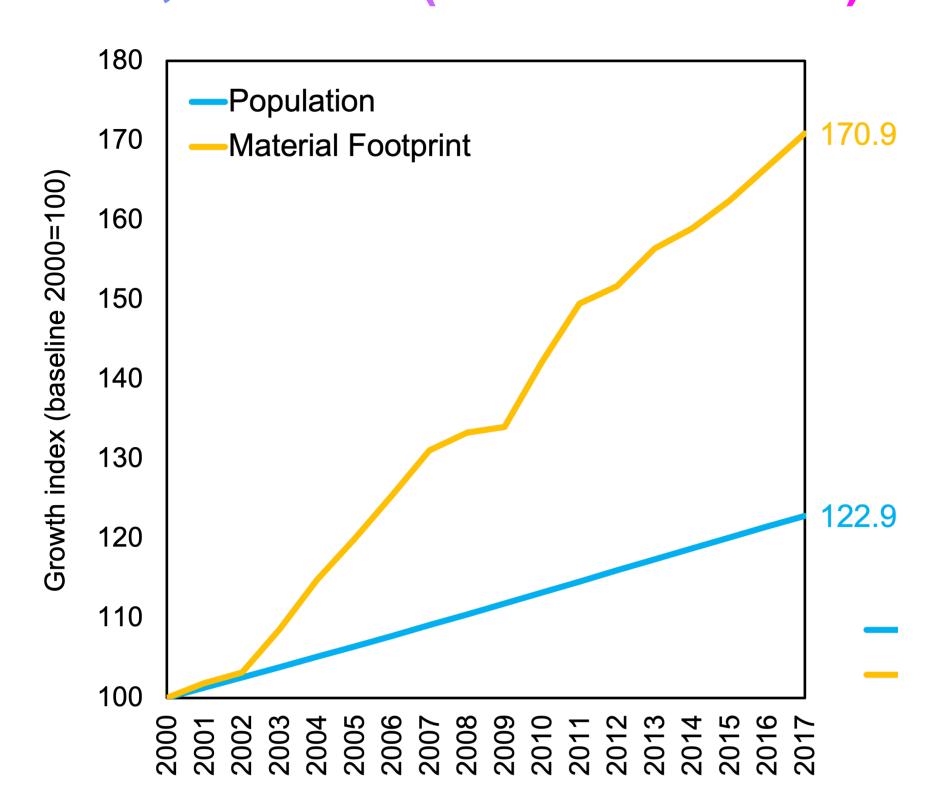
Bridging Science, Policy, and Statistics in the target countries

Background document on MEASURING AND MONITORING THE CIRCULAR ECONOMY AND USE OF DATA FOR POLICY-MAKING

Gustavo Longaray Moraga, PhD November 2021

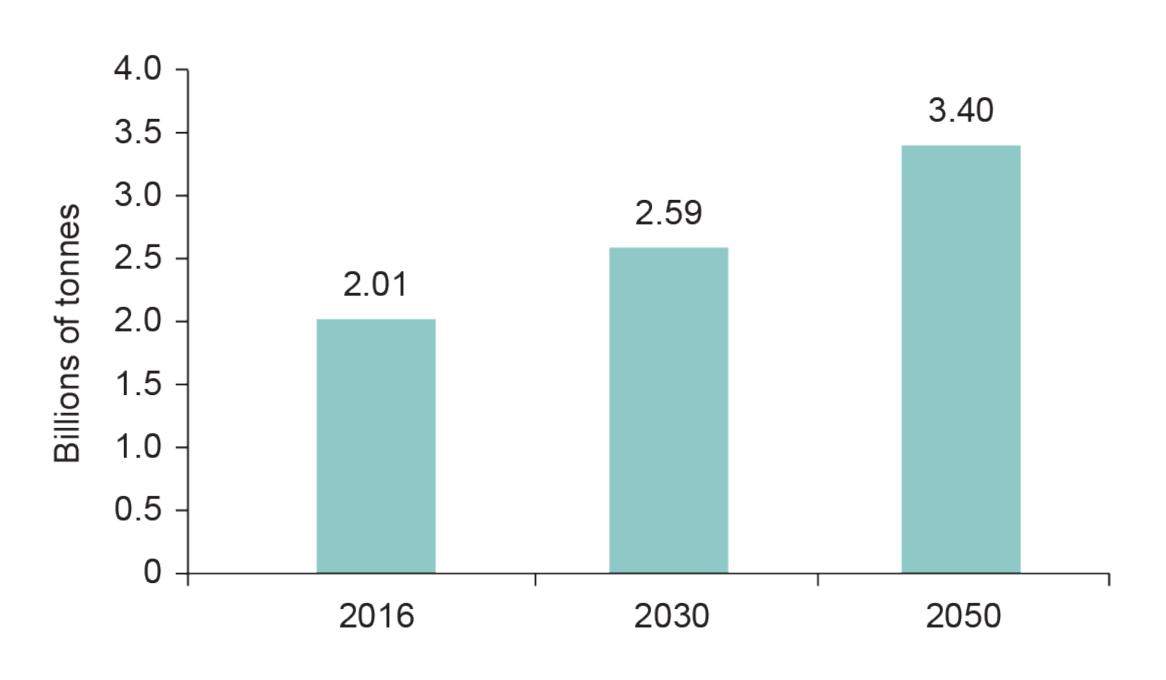
The need for a circular economy

Population and material footprint growth index, 2000-2017 (baseline 2000=100)



Adapted from: United Nations (https://unstats.un.org/sdgs/report/2019/goal-12/)

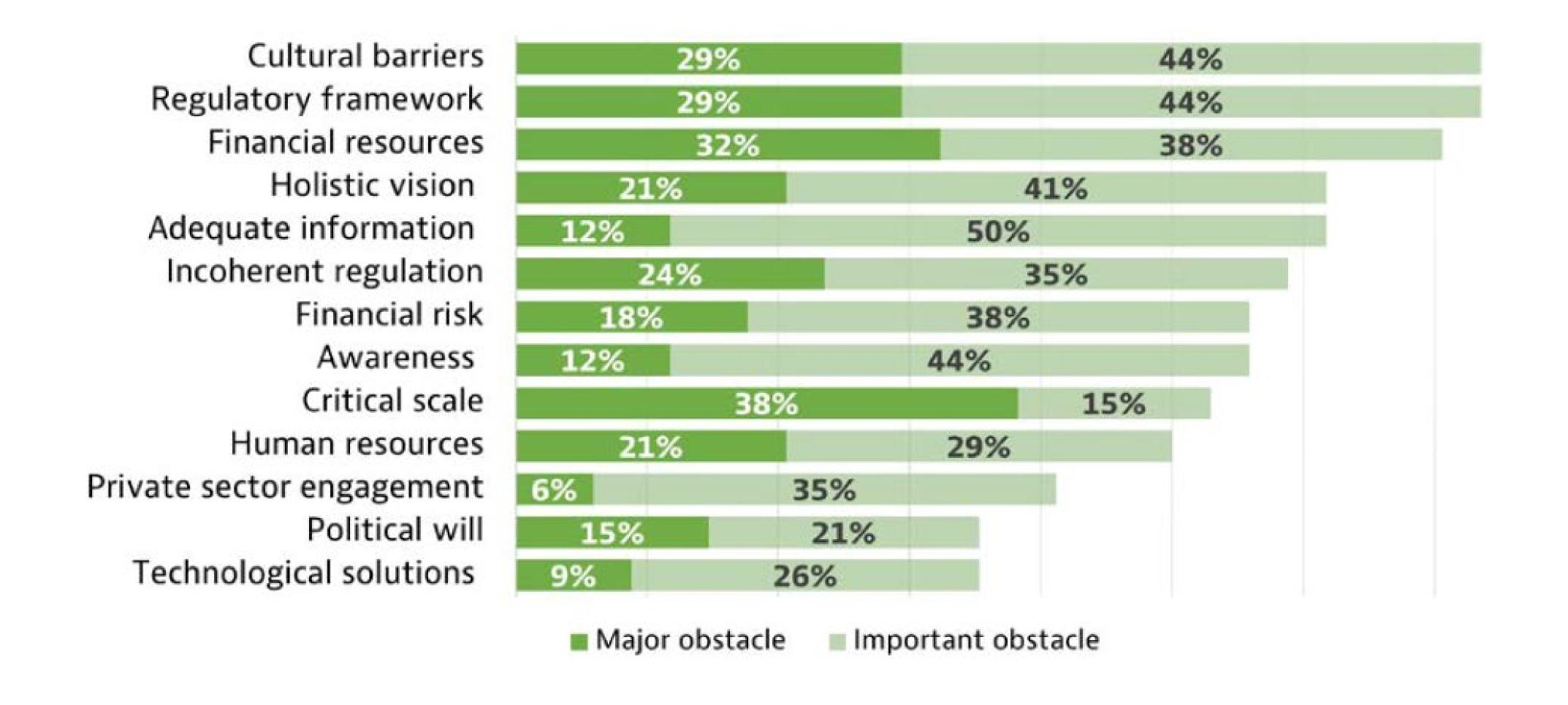
Projected and current global waste generation



Source: Kaza et al. (2018) What a Waste 2.0: A Global Snapshot of Solid Waste Management to 2050. Washington, DC: World Bank, 2018.



Obstacles to a circular economy transition



Policy and legislation for a circular economy in the target countries









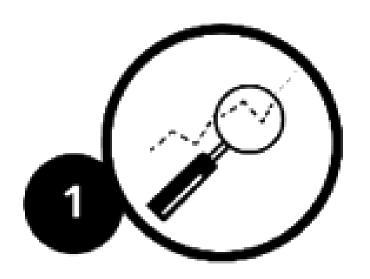




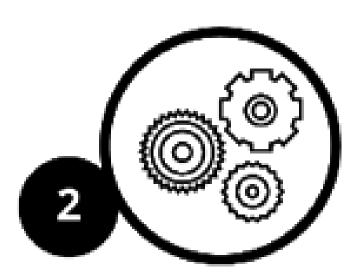


- Target countries are at different levels in developing specific policy and legislation for a circular economy
- Some countries already have specific policies towards a circular economy
- Some countries have policy/legislation related to a circular economy under other frameworks (e.g., environment and waste)

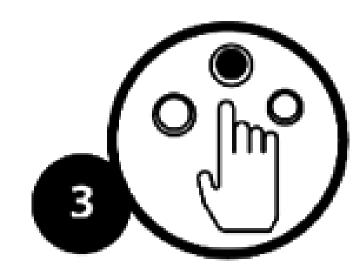
Bellagio process



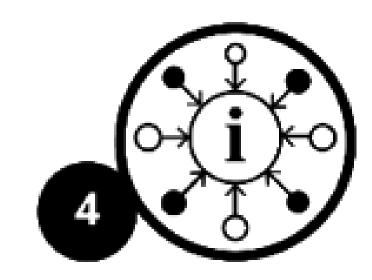
Monitor the circular economy transition



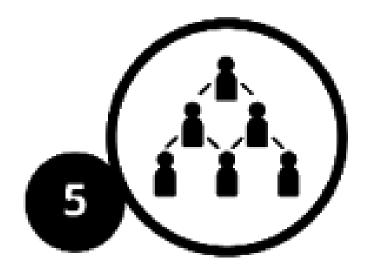
Define indicator groups



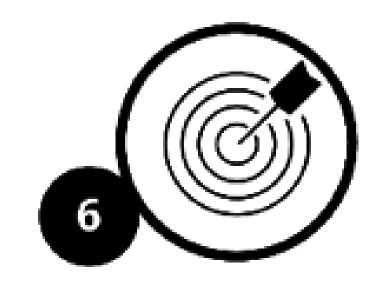
Follow indicator selection criteria



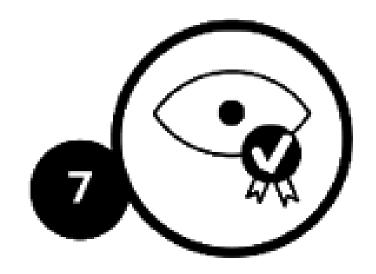
Exploit a wide range of data and information sources



Ensure multilevel monitoring

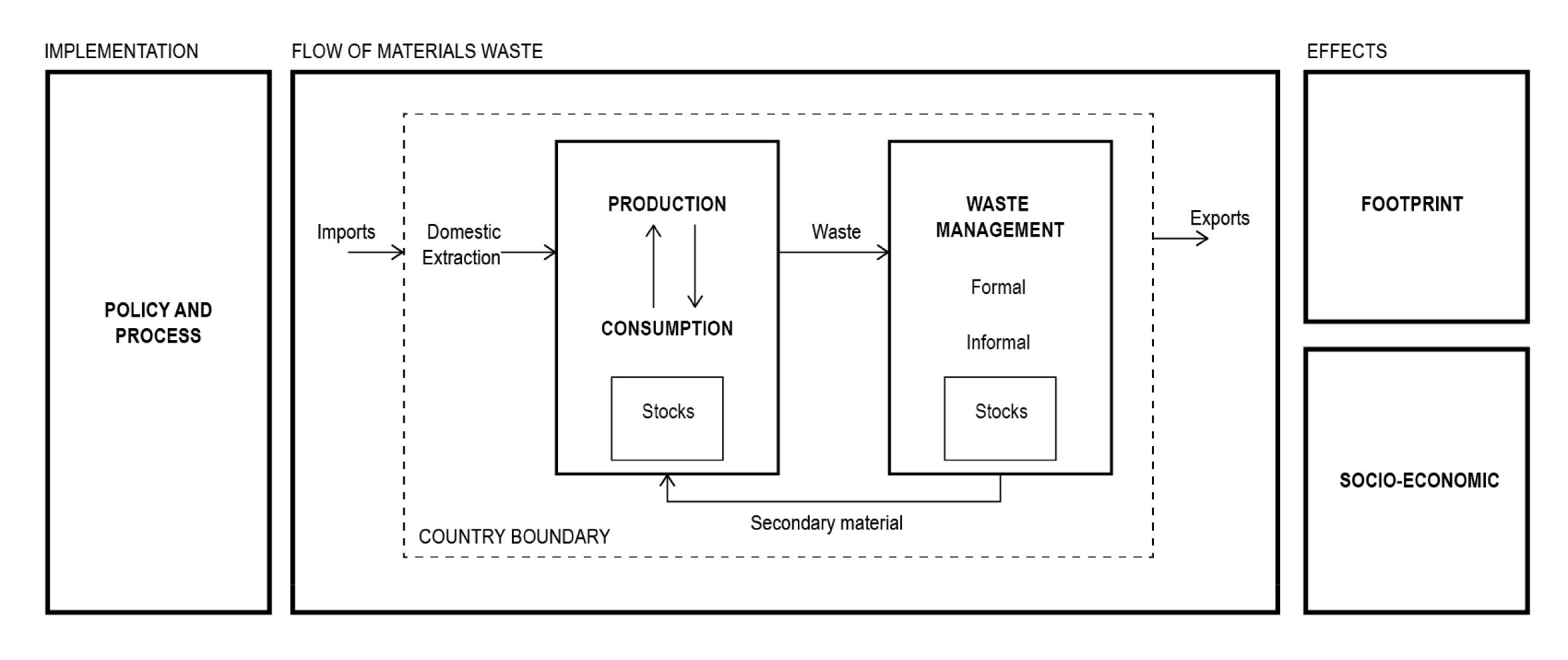


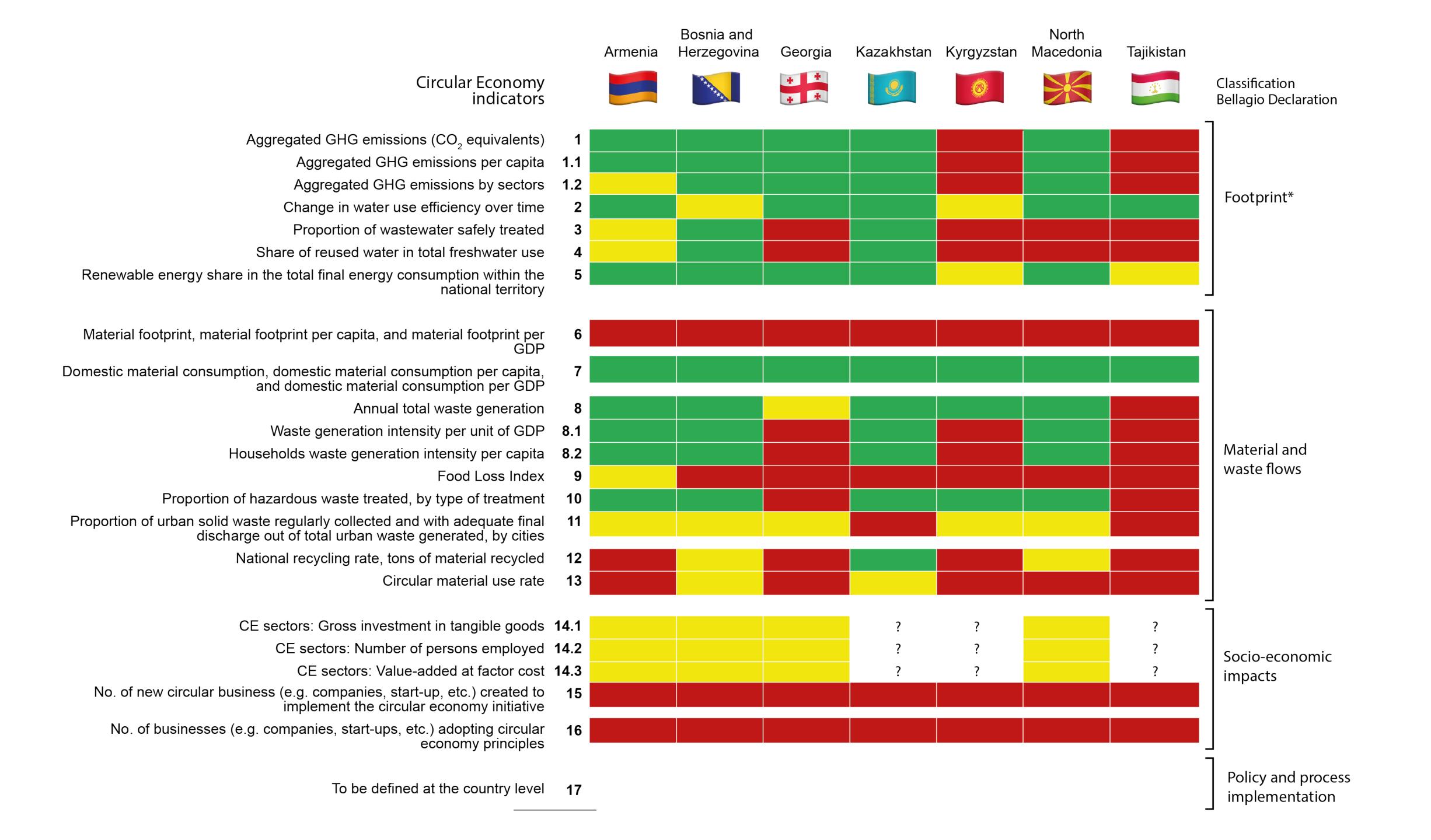
Allow for measuring progress towards targets



Ensure visibility and clarity

Simplified framework for national-level circular economy monitoring system





Conclusions and recommendations Science → Policy → Statistics

- There isn't a widely accepted framework for measuring the circular economy
- Policy goals can give direction on the selection of indicators
- Existing indicators can provide an initial overview of the circular economy
 - Aspects of circular economy can be measured
 - Information is much aggregated
 - Some indicators need to be country-specific