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Technical Assistance for Assessment of Turkey's Potential on Transition to Circular Economy

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Developing a national circular economy strategy: Insights from OECD countries

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Activity 1.2.1. Circular Economy Training
11th May 2022 - Antalya, Türkiye



Developing a national circular economy strategy: Insights from OECD countries

Dr Eva Barteková

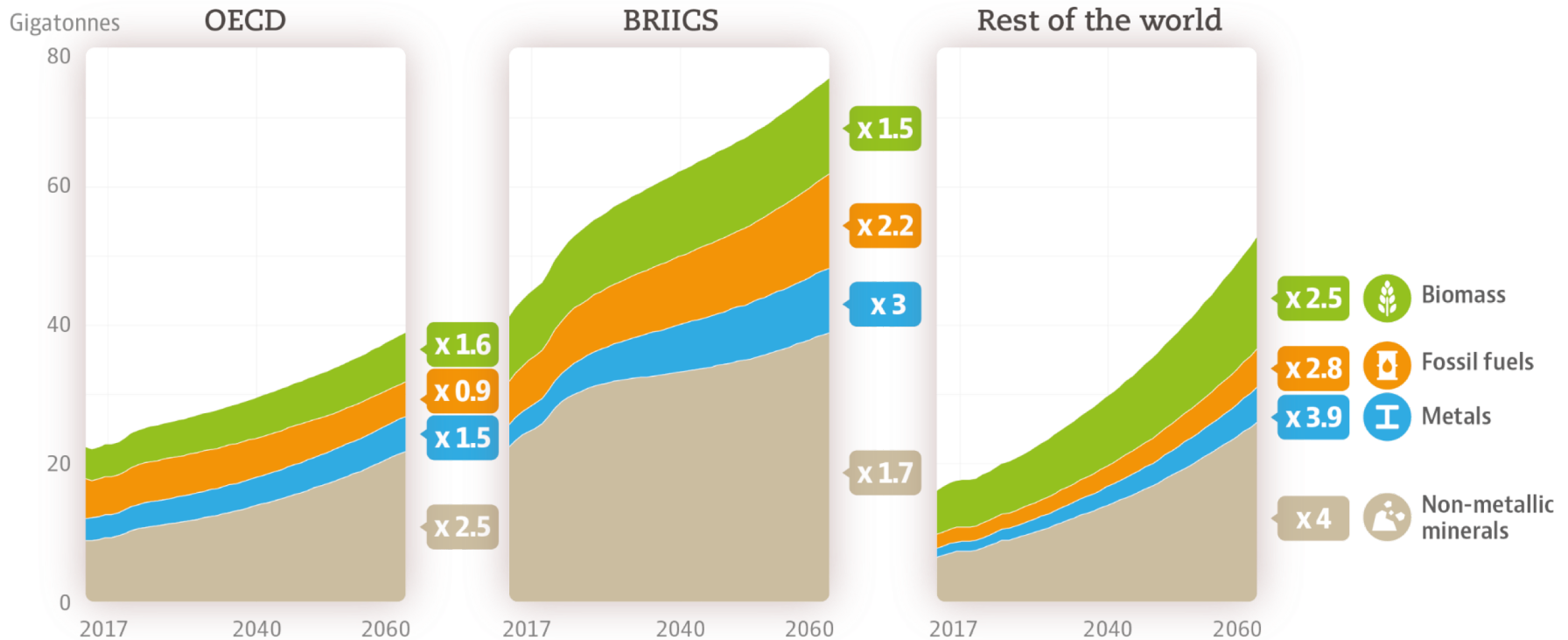
Circular Economy Training
11 May 2022, online

Outline

- Role of circular economy in tackling challenges related to materials use
- Developing a national strategy for circular economy transition
- Towards a National Strategic Framework for the circular economy in the Czech Republic
- OECD's contribution to the development of other national strategies and roadmaps

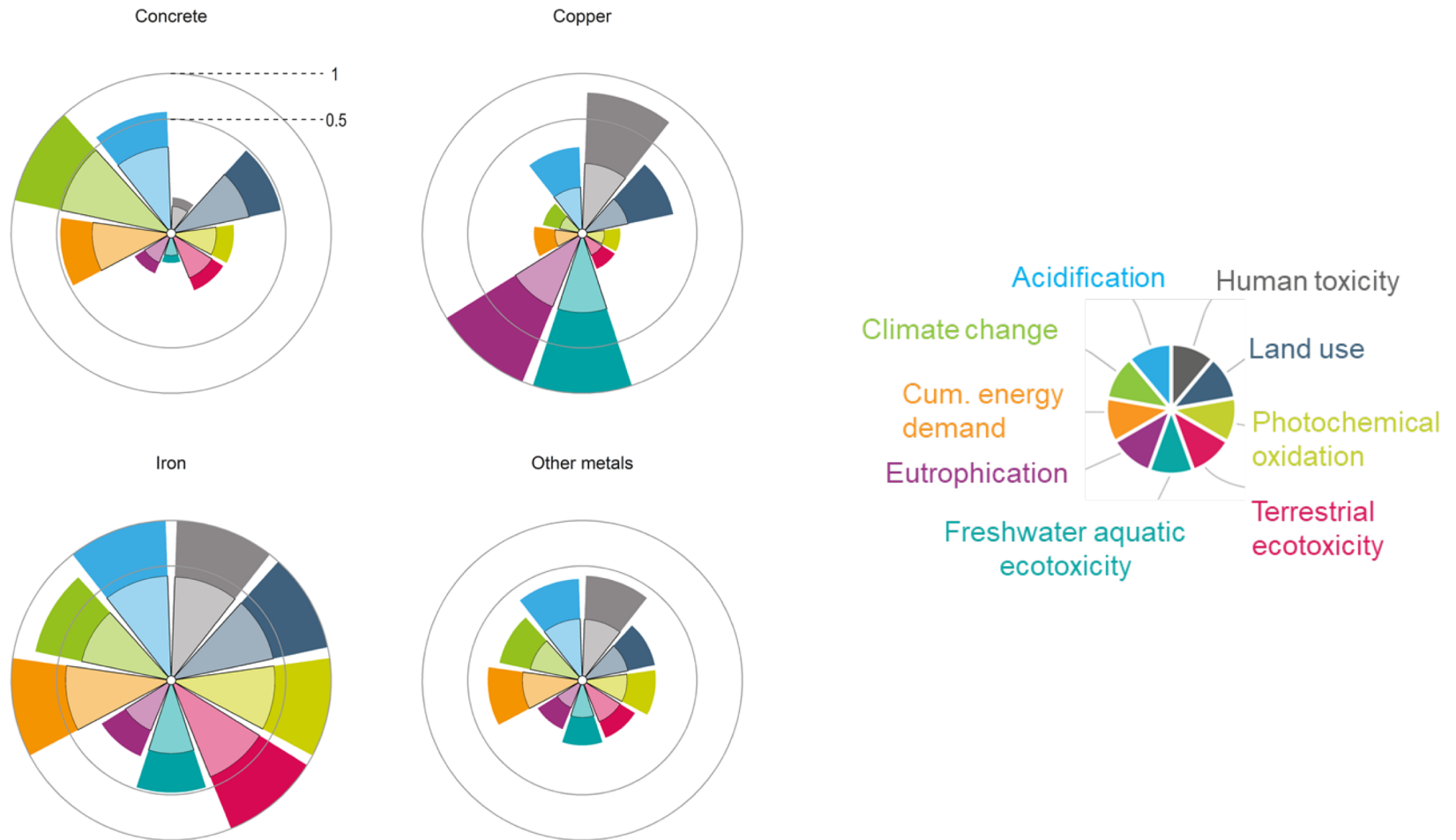
ROLE OF CIRCULAR ECONOMY IN TACKLING CHALLENGES RELATED TO MATERIALS USE

Materials use is projected to more than double by 2060 ...



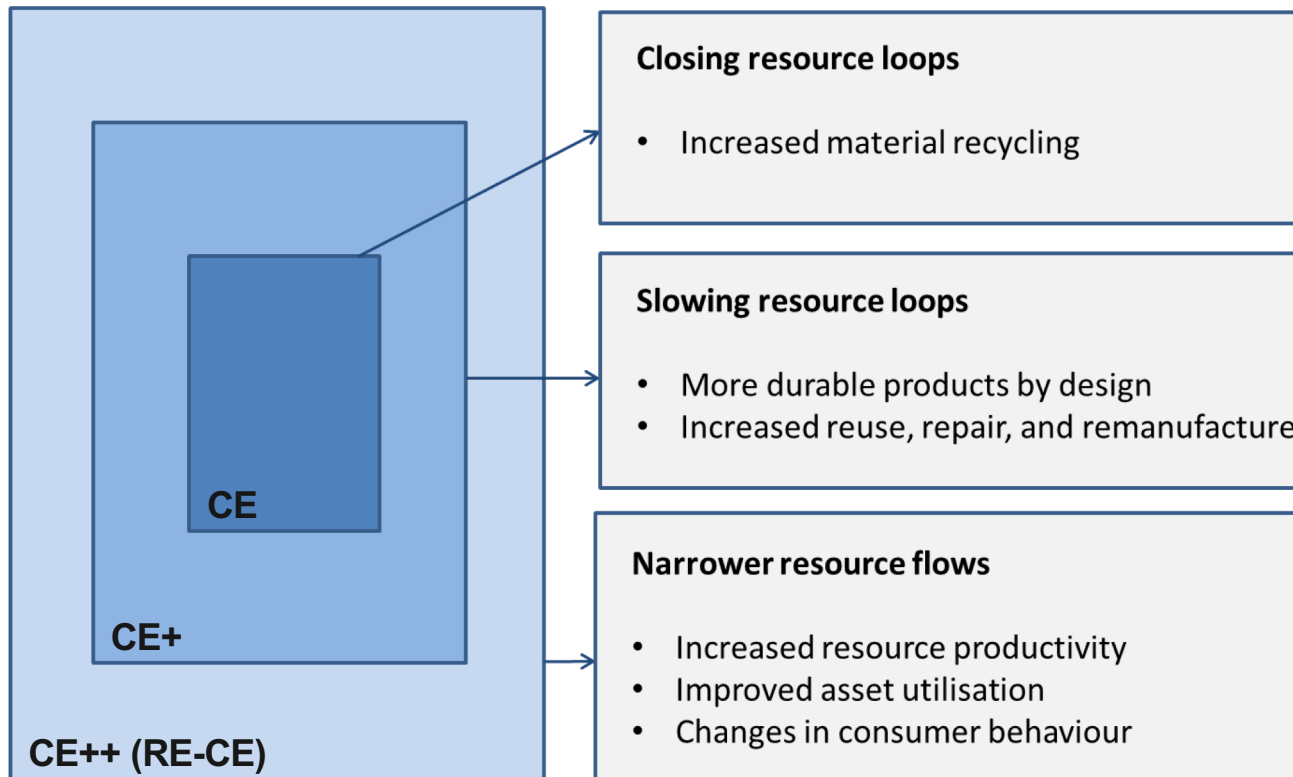
Source: OECD (2019), Global Material Resources Outlook to 2060: Economic Drivers and Environmental Consequences, <https://doi.org/10.1787/9789264307452-en>.

... with severe environmental consequences



Source: OECD (2019), Global Material Resources Outlook to 2060: Economic Drivers and Environmental Consequences, <https://doi.org/10.1787/9789264307452-en>.

Circular economy can act as a response to these trends

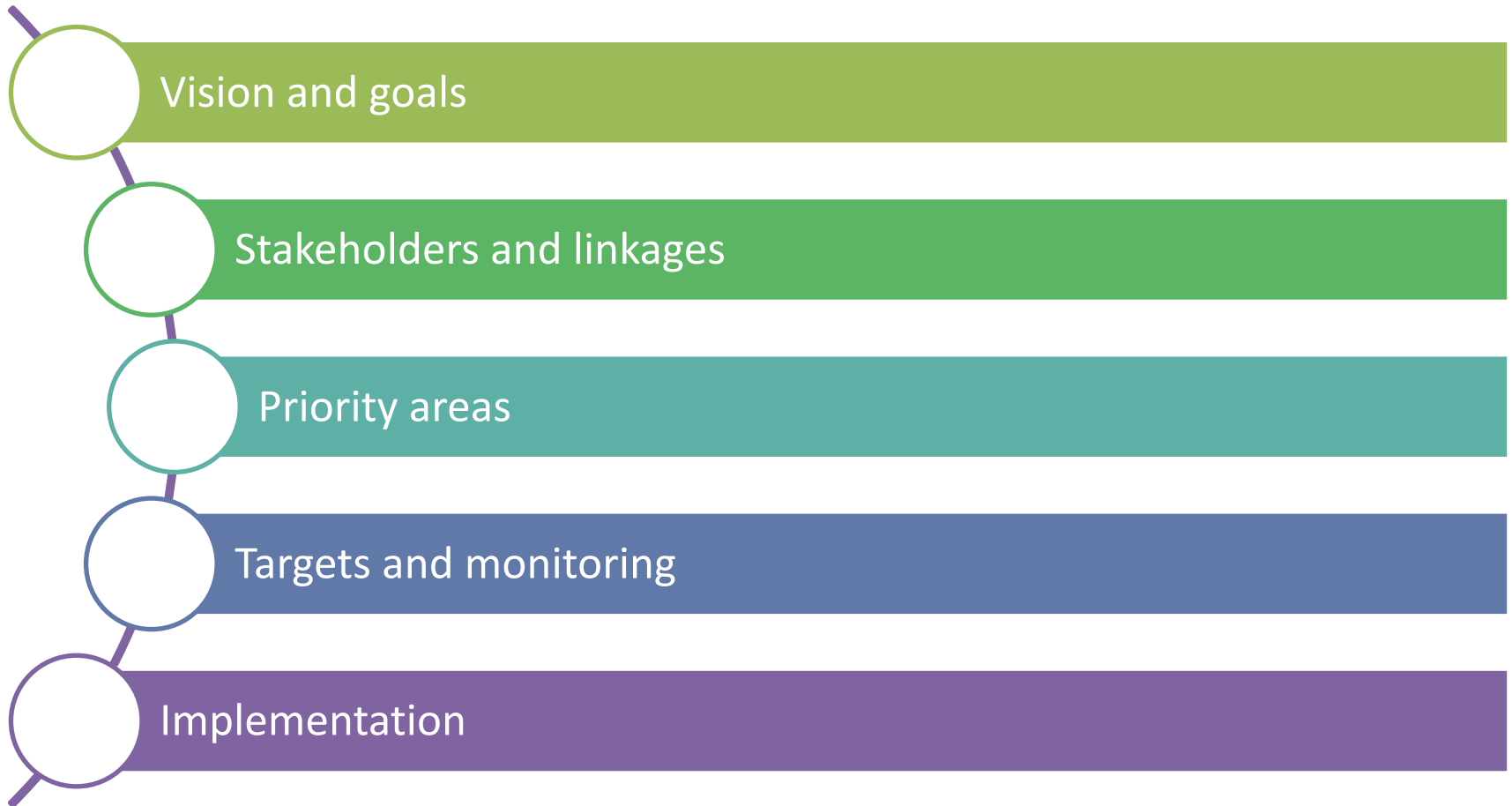


However, policy action is needed to accelerate the transition to circular economy

- Resource productivity, sustainable resource use and management, and circular economy have received increasing **international attention**
- **In the EU**, a number of sector-specific policy packages and directives, including quantitative targets, have been adopted or are being developed
- **On national and subnational levels**, a large number of countries have developed circular economy strategies and roadmaps

DEVELOPING A NATIONAL STRATEGY FOR CIRCULAR ECONOMY TRANSITION

Key elements of a national circular economy strategy



Insights for developing a circular economy strategy – Vision, goals, stakeholders, linkages

- **Vision and goals**
 - A clear vision inspires and makes the ambitions more concrete
 - The vision is operationalised by strategic goals, clustered into economic, environmental, social objectives

- **Stakeholders and linkages**
 - Shared ownership across stakeholder groups and government actors is crucial in the process of developing and implementing the roadmap
 - The strategy should be tailored to the local context and be embedded in the domestic policy landscape

Insights for developing a circular economy strategy – Priority areas

- **Priority areas**

- To narrow down the scope and elaborate flagship actions, a selection of priority areas is needed

Materials	Manufacturing sector	Service sector	Horizontal tools
Metals	Electronics	Waste management	Research
Plastics	Batteries	Financial sector	Education
Biomass & food	Automotive	Repair & reuse	Public procurement
Paper	Packaging	Tourism & hospitality	Economic instruments
Glass	Textiles	Retail	Digital tools
Building materials	Construction	Logistics	Local authorities
Other materials, sectors and tools			

Insights for developing a circular economy strategy – Targets, monitoring, implementation

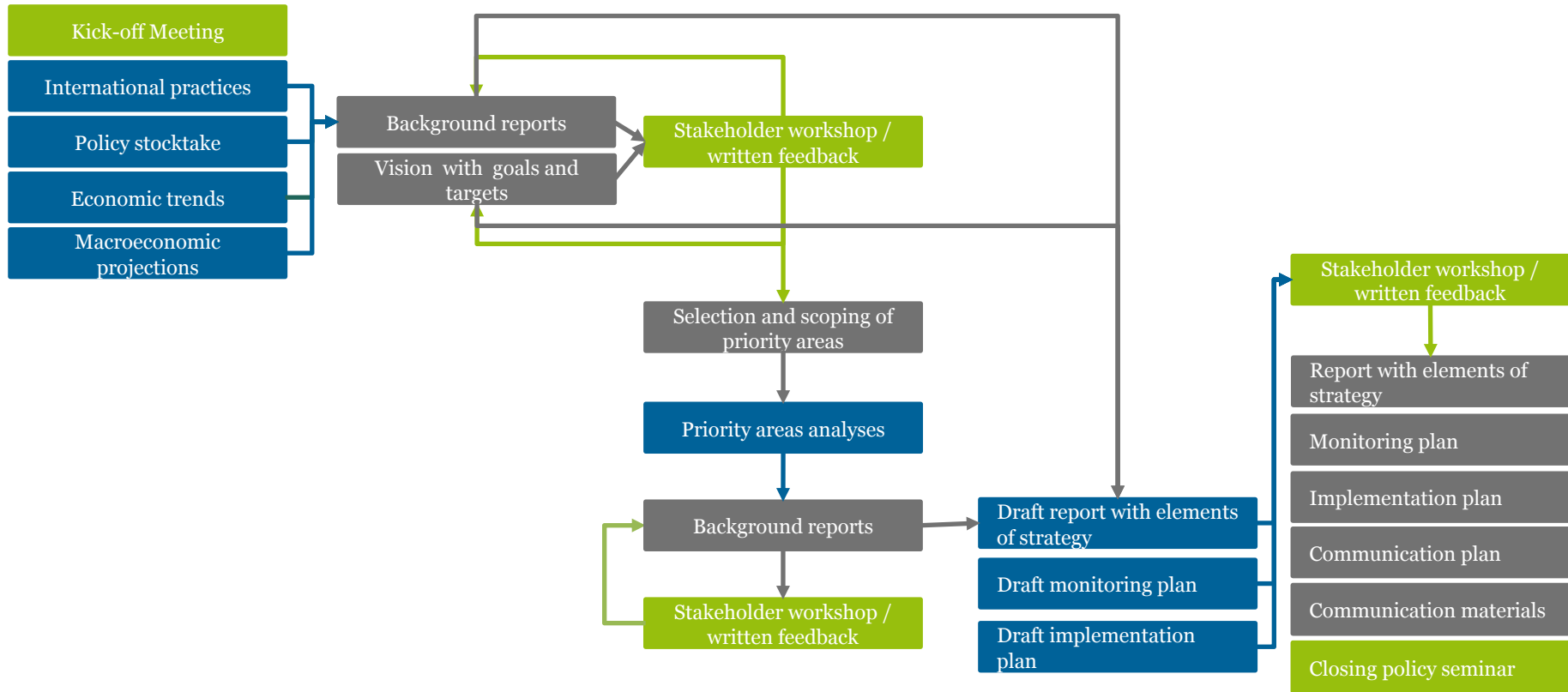
- **Targets and monitoring**
 - Quantitative targets make the vision more actionable and induce stronger commitments for implementation
- **Implementation**
 - The strategy needs to be underpinned by an implementation plan that transforms the high-level principles of the strategy in actions
 - Mix of policy instruments
 - Cross-sector actions and sector-specific actions

TOWARDS A NATIONAL STRATEGIC FRAMEWORK FOR THE CIRCULAR ECONOMY IN THE CZECH REPUBLIC

Project setup

- **Aim**
 - Support the Czech Republic in developing a strategic framework for the transition towards a circular economy
- **Timeline**
 - October 2019 – June 2021
- **Coordination & financing**
 - Ministry of the Environment of the Czech Republic - Department of Waste
 - European Commission's DG REFORM
- **Stakeholder working group**
 - Ministries and public institutions, regions and municipalities, business associations, universities, non-governmental organisations

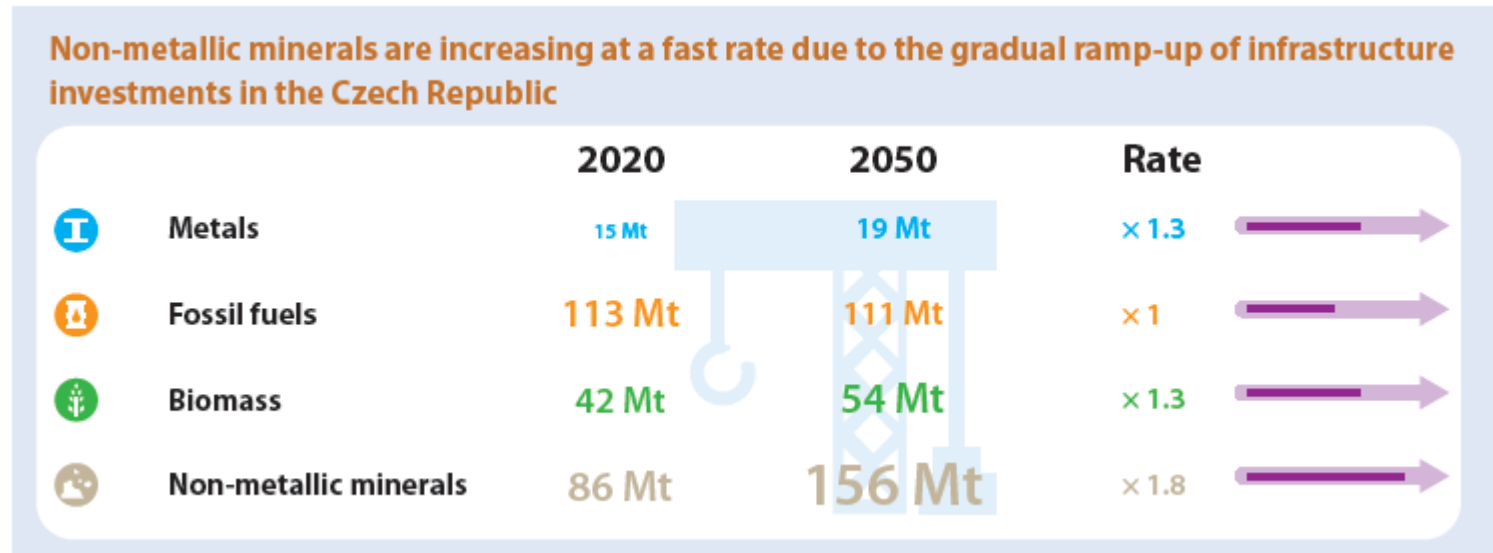
Work streams and consultation process



- Ten different work streams
- Periodic progress meetings with project partners
- Engagement with stakeholder working group

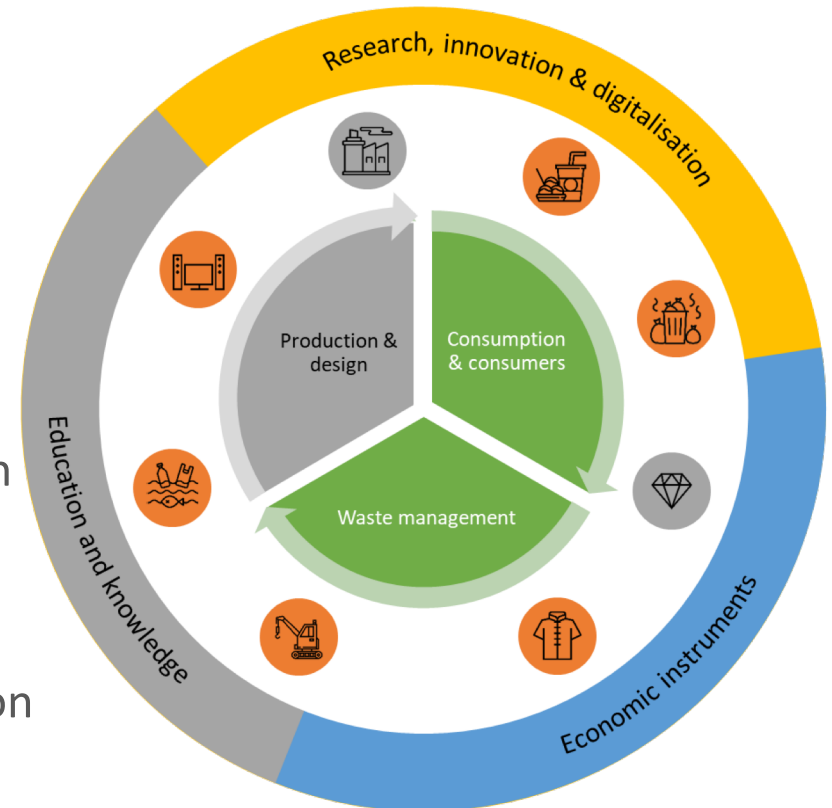
Analytical work – Rationale for a circular transition

- The Czech economy remains among the most energy-, carbon- and resource-intensive in the OECD and the EU
- GDP per capita will likely grow faster than the OECD and EU averages
- As a result, the demand for resources and materials is projected to increase further



Analytical work – Strategic framework and policy actions

- **Strategic framework based on a three-pronged approach**
 - Life-cycle approach
 - Horizontal measures
 - Sector-specific insights
- **Implementation plan including 40 implementation actions**
 - A more circular production and design
 - A more circular consumption and consumer behavior
 - A more effective waste management
 - Research, innovation, and digitalisation for circular economy
 - Education and knowledge for circular economy



Analytical work – Policy recommendations for circular consumption

- Consumer behaviour and resulting consumption patterns have a significant impact on resource efficiency
- **Some of the key policy measures include:**
 - Waste prevention
 - Imposing taxes on environmentally harmful products, e.g. plastic bags
 - Shifting consumer preferences towards more circularity
 - Promoting the uptake of second-hand, repaired, reused, refurbished, remanufactured ecolabelled products and services
 - Recyclable waste sorting
 - Extending pay-as-you-throw charging schemes for mixed municipal waste, implementing nudges and a wider network of door-to-door collection for recyclables, e.g. for biowaste and electronic waste

Analytical work – Policy recommendations for horizontal tools

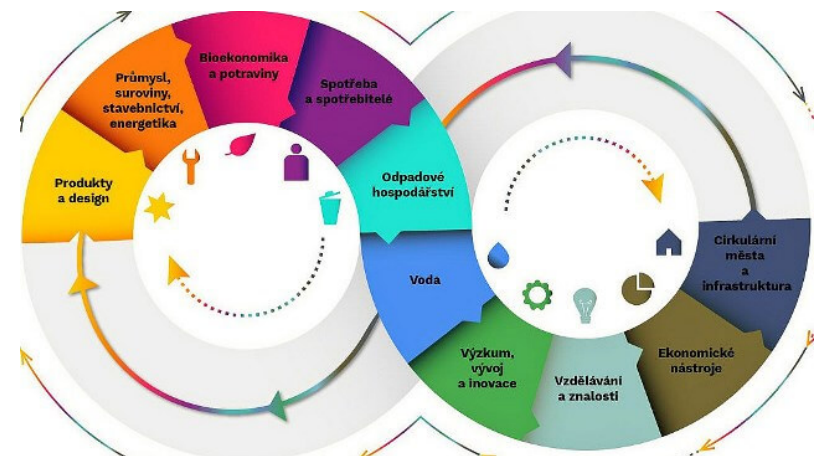
- Innovation and technological development, including digitalisation, are important enabling factors in transitioning towards a circular economy
- **Some of the key policy measures include:**
 - Coherent innovation and digitalisation strategy
 - Establishing a clear link between research, innovation, digitalisation and the circular economy
 - Coordination and cooperation
 - Improving co-ordination among different public bodies and co-operation between the private sector and academia
 - Financial instruments
 - Strengthening financial support instruments for R&D through the introduction of dedicated circular economy innovation instruments

Key outcomes

OECD final report published
in June 2021



Circular Czechia 2040 Strategic
Framework adopted
in December 2021



Sources: OECD (2021), Towards a national strategic framework for the circular economy in the Czech Republic: Analysis and a proposed set of key elements, <https://doi.org/10.1787/5d33734d-en>, and Ministry of the Environment of the Czech Republic (2021), Do roku 2040 roztočí ekonomiku Cirkulární Česko, https://www.mzp.cz/cz/news_20211213_Vlada-schvalila-Cirkularni_Cesko_2040

OECD'S CONTRIBUTION TO THE DEVELOPMENT OF OTHER NATIONAL STRATEGIES AND ROADMAPS

Technical support for the Slovak Republic – Project setup and priority areas

- **Aim**
 - Support the Slovak Republic in developing a roadmap for the circular economy, and its contribution to carbon-neutral economy
- **Timeline & coordination**
 - September 2020 – May 2022
 - Ministry of the Environment of the Slovak Republic
- **Priority areas and policy actions**
 - Construction sector, food and bio-waste value chain, and sustainable production and consumption with focus on economic instruments
 - Around 30 concrete policy actions supported by an implementation plan and a monitoring framework to accelerate circular economy transition to 2040

Technical support for Hungary – Project setup and priority areas

- **Aim**
 - Support Hungary in developing a National Circular Economy Strategy and Action Plan
- **Timeline & coordination**
 - January 2021 – December 2022
 - Ministry for Information and Technology
- **Priority areas and policy actions**
 - Biomass and food, construction, plastics, as well as horizontal area of circular economy enablers with a specific focus on education, R&D, and circular business models
 - Policy actions to accelerate circular economy transition to 2040 currently under development

THANK YOU FOR YOUR ATTENTION

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