



## A global roadmap for an inclusive circular economy : from Stockholm+50 to the Summit of the Future

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#### Background to paper

- Process started with Stockholm+50 conference in 2022 ("Global Roadmap to an inclusive circular economy")
- ~400 organisations expressed support for the initiative



Research	
Paper	

Society Centre September 2024

#### How the circular economy can revive the Sustainable Development Goals

Priorities for immediate global action, and a policy blueprint for the transition to 2050

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Chatham House | The Royal Institute of International Affairs

#### SWITCH to Circular Economy at a glance



Funded by

the European Union





**Funded by** European Union and Finland



Value chains

Textile & Garments Plastic packaging ICT



Duration

2021-2025

Z

Ministry for Foreign Affairs of Finland



Total budget

€20,870,000



Lead partner

United Nations Industrial Development Organization (UNIDO)



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**Project partners** 

Chatham House Circle Economy European Investment Bank



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#### Five pathways

1. Embed justice and inclusivity principles

#### 2. Enhance policy coordination

3. Reform financial architecture 4. Rewire trade system 5. Shared standards & metrics

# 1 Embed principles of justice and inclusivity in CE Development



"To achieve its transformative potential, the transition to a circular economy will *need* to be just and inclusive."

#### Embed Principles of Justice and Inclusivity in CE Development

#### **Potential solutions**

**Establish global guidelines for ensuring social equity in the transition to a CE.** Develop UN-endorsed framework - includes principles of just transition, focusing on the equitable distribution of resources, fair and transparent decision-making, and recognition of rights.

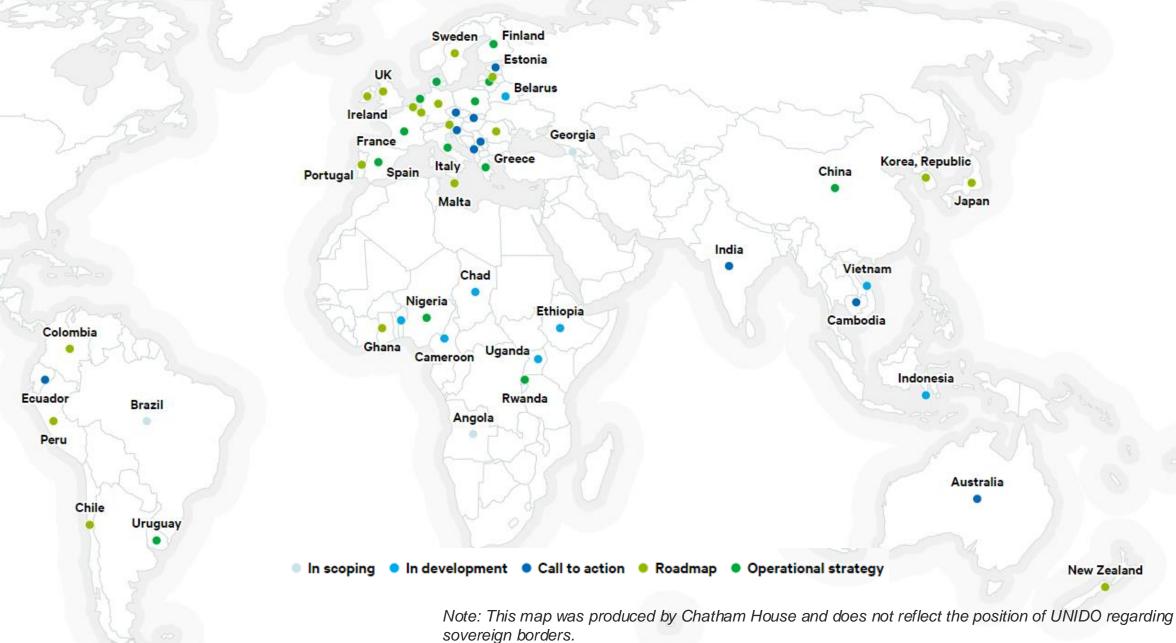
Develop comprehensive guidelines and best practice for measuring decent work in the circular economy. Address employment impacts of CE policy alongside job safety, fair wages and social protection. (e.g continue work by International Labour Organization, the Circle Economy Foundation & World Bank )



#### 2. Enhance CE policy coordination

"75 national circular economy roadmaps and strategies exist committing to ~3000 policies spanning 17 sectors, 20 policy categories" Map of circular economy roadmaps and strategies





#### Background report on roadmap stocktake



# Rapid proliferation of CE roadmaps worldwide

# Limited global understanding of their collective content

#### Global stocktake published April 2024



### REPORT

NATIONAL CIRCULAR ECONOMY ROADMAPS: A GLOBAL STOCKTAKE FOR 2024





## **National CE roadmaps**

# **2900 CE policy commitments**





#### 2900 CE policy commitments

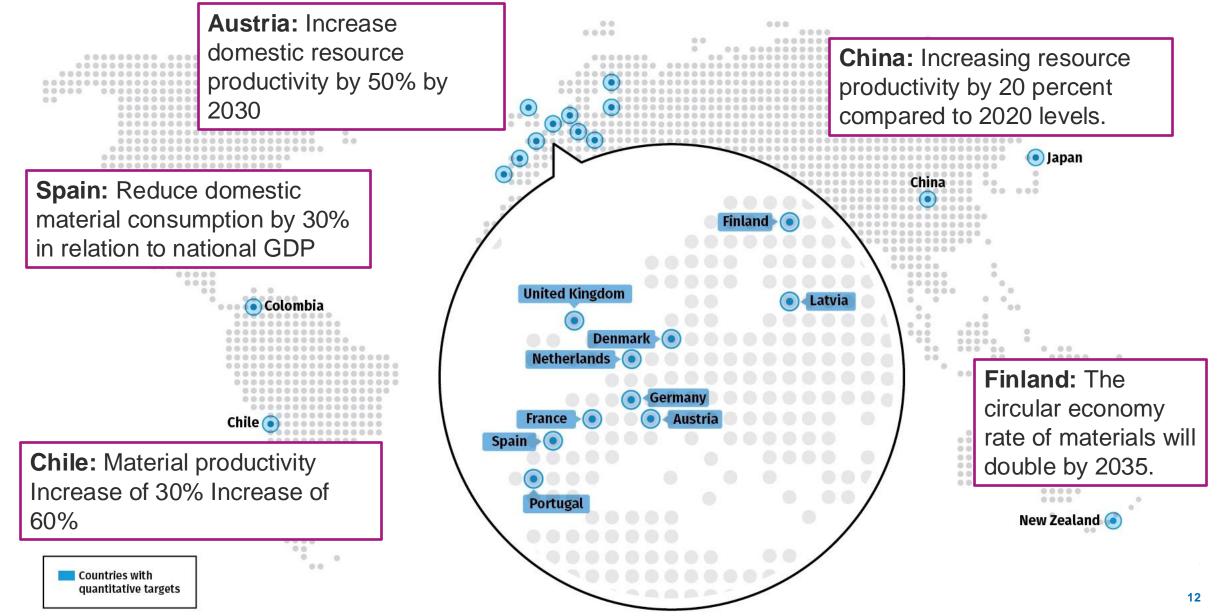


#### Spanning 20 circular economy public policy categories...

Brokering	Standards Monitoring	
Fiscal instruments	Consumer habits	Municipalities and local authorities
<b>Research and Innovation</b>	Education and Skills	Policy design
Producer requirement	Public Procurement	Roadmap governance
Product requirement	Circular Infrastructure	Worker and consumer rights
Resource management	Sector level action plans	Trade policy and international governance
<b>Business Support</b>	Waste management	

#### Quantitative CE targets in15 countries



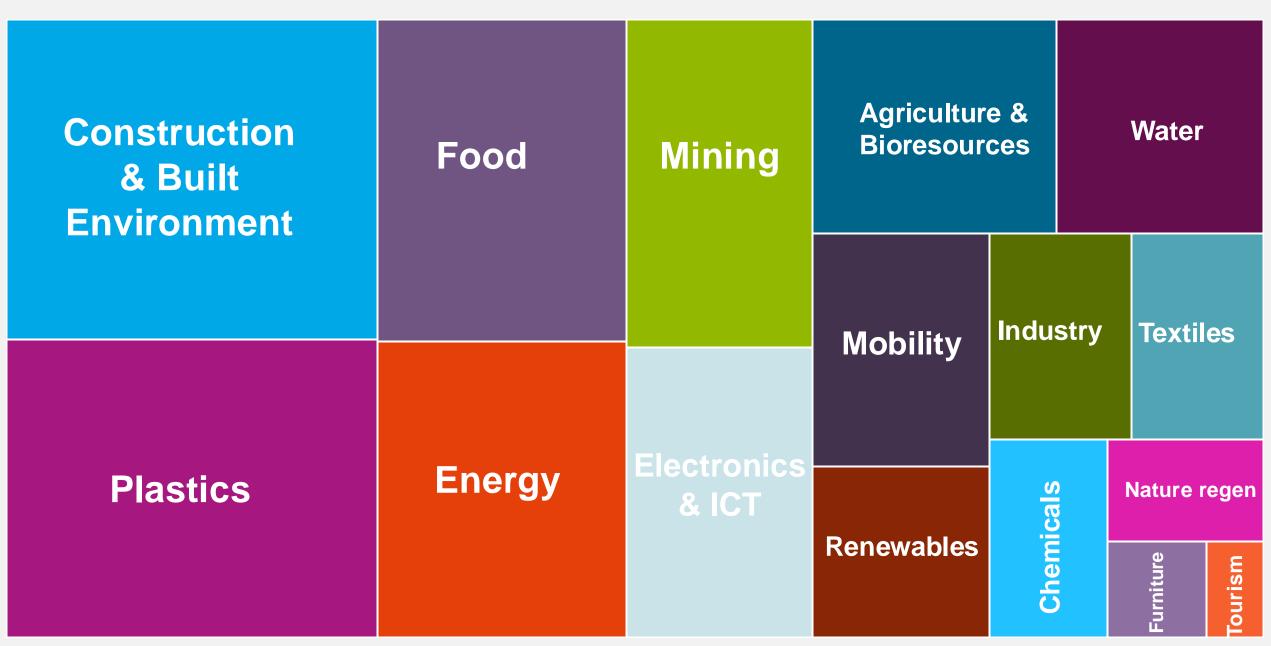


Note: These are preliminary results

#### Policies span across 17 sectors....







#### What does all this mean?





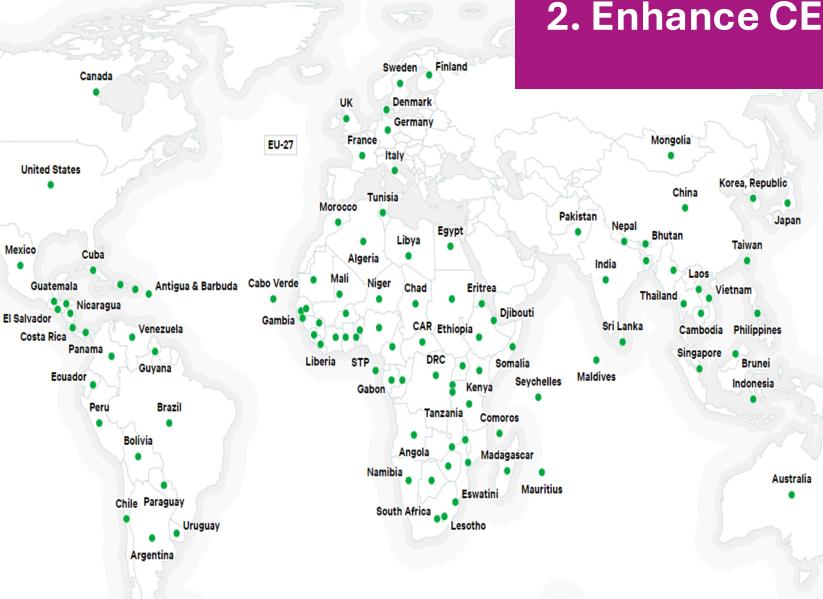
**Global wave of CE policy coming online** – ~3000 in the next decade spanning 17 sectors. Set to reconfigure most value chains.



**Policies currently developed unilaterally** - growing fragmentation across markets, additional transition costs and complexities & derailing a global just transition.



**Currently no global home for CE** to encourage coordination and collaboration on the circular economy within the current multilateral or intergovernmental system



#### 2. Enhance CE policy coordination

"CE lacks a permanent global home within the multilateral or intergovernmental landscape to enable polic coordination"

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# 2. Enhance Global Policy Coordination on the Circular Economy

#### **Potential solutions**

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**A multilateral policy coordination mechanism** would ensure that best practices are shared, policies are consistent, and collective goals are achieved at an international level, preventing duplication and regulatory confusion. *E.g. an 'International Resource Agency'*...

**Create a cross-sectoral circular economy alliance** between UN agencies, multilateral development banks (MDBs), the private sector, and civil society to provide guidelines, best practices, and technical knowledge. *E.g. expand the membership, mandate and funding of the Global Alliance on Circular Economy and Resource Efficiency (GACERE)* 

3. Reform the Global Financial Architecture



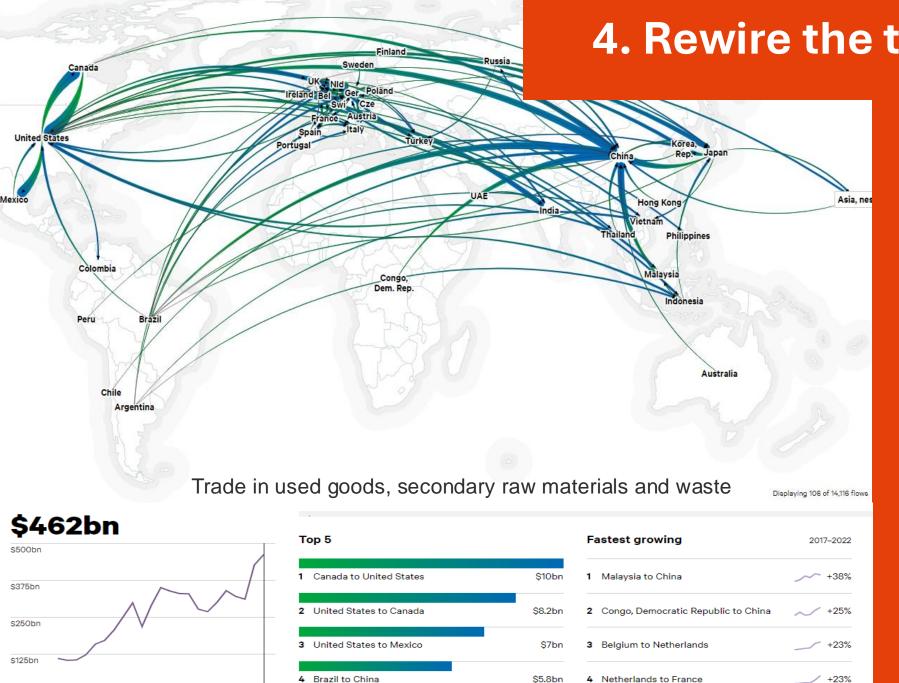
"Ghana's national circular economy roadmap has an estimated required budget of US\$2.4 billion, equivalent to 3% of GDP."



#### **Potential solutions**

**Establish a Global Circular Economy Fund**, modelled on the Green Climate Fund, to mobilize public and private investments, particularly focusing on low- and middle-income countries.

**MDBs formalize their existing circular economy working group**, and to seek alignment between institutions on circular economy definitions, assessment methodologies and investment priorities for the SDGs. The new objectives, milestones and alignment efforts would need to be anchored in a reformed MBD agenda.



2020

2010

2015

#### 4. Rewire the trade system

"No country can achieve a circular economy in isolation."

#### 4. Rewire the Global Trade System

#### **Potential solutions**

Establish working group to identify practical solutions to better capture and communicate circular-relevant information on goods at international borders in a way that is globally interoperable and compatible with the HS. Plurilateral pilot projects could be launched between willing countries. Relevant stakeholders include WCO and national border and environmental agencies

**Formalize the TESSD informal working group** on the circular economy. Conduct a comprehensive 'stocktaking' exercise among willing WTO members and industry of best practice, existing definitions, and classifications of products in relation to circularity for key sectors such as construction, plastics, electronics and textiles. Mapping future commitments.



#### ISO 59000 series

ISO 59 004 Circular Economy – Terminology, Principles and Guidance for implementation

ISO 59 010 Circular Economy – Guidance on business models and value networks

ISO 59 020 Circular Economy – Measuring and assessing circularity

ISO 59 040 Circular Economy – Product Circularity Data Sheet ISO 59 014 Secondary materials – Principles, sustainability and traceability requirements

ISO TR 59 031 – Circular Economy – Performance based approaches ISO TR 59 032 – Circular Economy – Review of business model implementation 5. Develop Shared Standards and Metrics

"Many different standards and metrics will need to be developed. They will need to span all major sectors and all stages of the value chain"





Potential solutions Ensure widespread adoption of ISO 59000 standards both up to 2030 and beyond. Deepen cooperation with international bodies such as ISO and the International Electrotechnical Commission (IEC) to facilitate implementation of the first tranche of ISO 59000 standards

**Develop and ensure the adoption of key performance indicators** (KPIs) and metrics that can be universally used to assess and drive circularity in various sectors and industries. The new KPIs and metrics should be based on the WBCSD's Global Circularity Protocol Embedding circular economy in post-2030 development agenda



**1. High-Level CE Objective in Post-2030 SDG Framework** 

2. Set CE Global Targets on Resource Use and Waste

**3. Integrate CE Targets Across All SDGs** 

4. Align CE Targets with the UN's 'Beyond GDP' Initiative

5. Create Measurable Indicators for Inclusive CE by 2050

#### Towards 2050 SDG circular economy targets -

Suggested circular economy SDG targets for 2050 in a hypothetical extended and expanded SDG framework

<b>Ů¥ŮŮ</b> <sup>1. NO</sup> POVERTY	2. ZERO HUNGER		4. QUALITY EDUCATION	5. GENDER EQUALITY
2050 - Circular goods and services provide affordable access to basic services for the poor. Localized circular economy businesses and livelihoods enable community resilience to economic shocks and environmental disasters.	2050 – Zero food waste is achieved, and food waste valorization is widely enabled. Food systems are based on regenerative agricultural practices and contribute to global food security.	2050 – Toxic materials, waste and pollution have been fully eliminated through the widespread adoption of closed-loop systems and bio-based alternatives, significantly improving human health and well-being.	2050 – Circular skills development is fully integrated into educational and vocational programmes, and circular knowledge resources are widely accessible.	2050 – Decent work is realized for women in circular industries. Significant advancement in female entrepreneurship through circular economy businesses is achieved.
6. CLEAN WATER AND SANITATION	7. AFFORDABLE AND CLEAN ENERGY	8. DECENT WORK AND ECONOMIC GROWTH	9. INDUSTRY, INNOVATION AND INFRASTRUCTURE	10. REDUCED
2050 – Full access to sanitation and water for all is achieved through uptake of circular water technologies and urban sanitation systems redesigned to enable recovery of valuable resources from waste.	2050 – Full access to affordable clean, renewable and circular energy systems is achieved. The majority of critical materials needed for clean energy systems are supplied through secondary sources or substituted with alternative materials.	2050 – Decent work standards are upheld and informal sectors have undergone a positive transformation. Circular business models have become the norm and major source of employment.	2050 – Circular industrial design and closed-loop industrial manufacturing have become central to sustainable industrial development, and enable global value chains to operate fully on circular principles.	2050 – High-value circular economic trade opportunities for developing countries are realized across global value chains.
11. SUSTAINABLE CITIES AND COMMUNITIES	12. RESPONSIBLE CONSUMPTION AND PRODUCTION	13. CLIMATE ACTION	14. LIFE BELOW WATER	15. LIFE ON LAND
2050 – Urban environments, infrastructure and housing are redesigned according to circularity principles to be affordable, resilient and inclusive.	2050 – Trends in unsustainable global resource consumption have peaked and gone into reverse, with all countries becoming close to zero-waste.	2050 – Circularity principles are fully embedded in climate mitigation and adaptation. Circular practices are applied to decarbonize upstream and downstream emissions of industrial value chains.	2050 – There is zero leakage of plastic waste and pollutants into the aquatic environment. Restorative and regenerative practices are used to rebuild marine systems.	2050 – Net-positive nature regeneration is achieved through nature-positive circular bioeconomies.
16. PEACE, JUSTICE AND STRONG INSTITUTIONS	17. PARTNERSHIPS FOR TH E GOALS			
2050 – Organized criminal networks engaged in illegal waste trade and environmental crimes are stopped. Accounta- ble and transparent institutions for sustainable resource management operate globally.	2050 – Financial resources for circularity transformation have been mobilized, including taxation reforms, and key technologies for advanced circular industries are rolled out across all countries.			

#### Levers to achieve the targets



Current SDGs	Proposed circularity targets for 2050	Proposed levers for achieving 2050 circularity targets, by UN-defined category			
		Governance	Economy and finance	Science and technology	Individual and collective action
<b>SDG 1: No poverty –</b> End poverty in all its forms everywhere.	By 2050, circular goods and services provide affordable access to basic services for the poor. Localized circular economy businesses and livelihoods enable community resilience to economic shocks and environmental disasters.	Circular economy initiatives and projects should be actively included in strategies and roadmaps for addressing multidimensional poverty. <u>142</u> Governments and multilateral organizations, in particular UNDP and the World Bank, should incorporate circularity in such planning.	Preferential loans backed by governments should be offered to MSMEs and waste entrepreneurs to unlock opportunities and productive resources. This would also help to improve product quality and extend services to underserved populations.	Innovations and 'appropriate technology' <sup>14:3</sup> solutions for circularity (i.e. compatible with local economic conditions) should be developed to improve access to resources and services for minorities and vulnerable groups. This would help such cohorts to maintain and develop sustainable livelihoods.	Multi-stakeholder partnerships should support the developmen of circular business models that serve poor communities and that provide access to basic goods and services for underserved populations



## Merci beaucoup pour votre attention

## Thank you for your attention!