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Green Economy in Eastern Partner Countries

Circular Economy practices to green industries in the Republic of Moldova: introduction



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We consume millions of products

Nutrition



Housing and Infrastructure



Mobility



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Global consumption of resources for societal needs (2015)

- Housing and infrastructure: 45%
- Nutrition: 23%
- Mobility: 13%
- Consumer goods: 10%
- Services: 5%
- Healthcare: 2%
- Communication: 2%

Materials: biomass, fossil fuels,
metals and non-metallic minerals

Resources: materials, land and
water

Source: Circularity gap reports 2018 & 2019, Circle Economy

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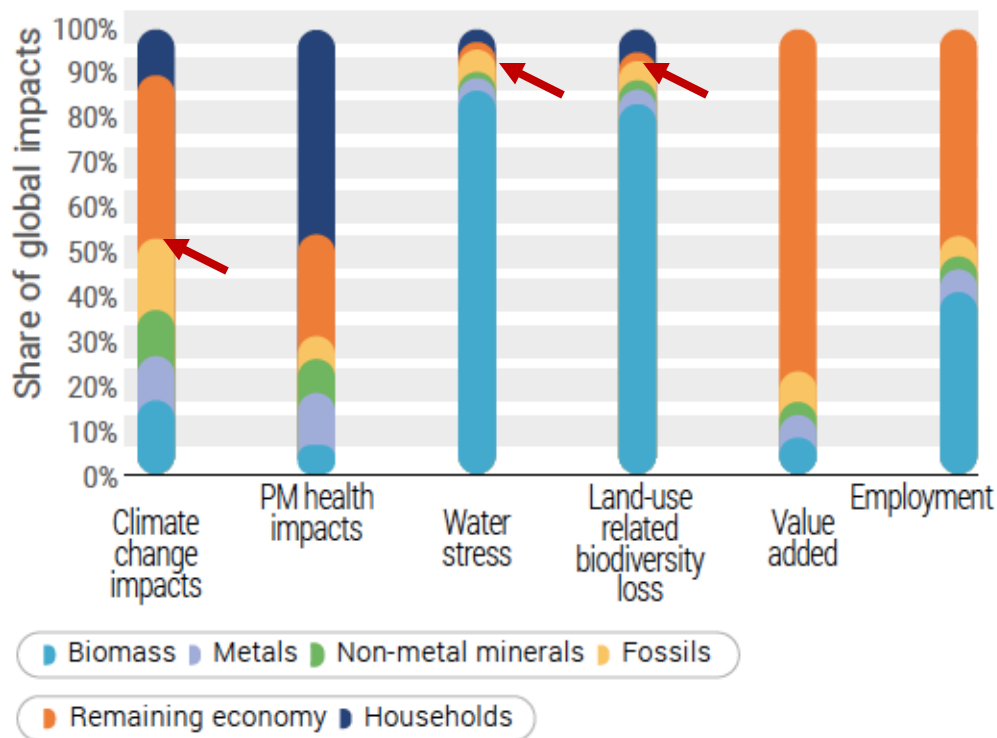


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Global impacts of resource extraction and processing



- ~50% of climate impacts
- ~90% of water stress
- ~90% of biodiversity loss due to land use

BUT

Production and consumption also create lots of **value added** and **jobs**

Global Resource Outlook 2019 (<https://www.resourcepanel.org/reports/global-resources-outlook>), International Resource Panel, 2019

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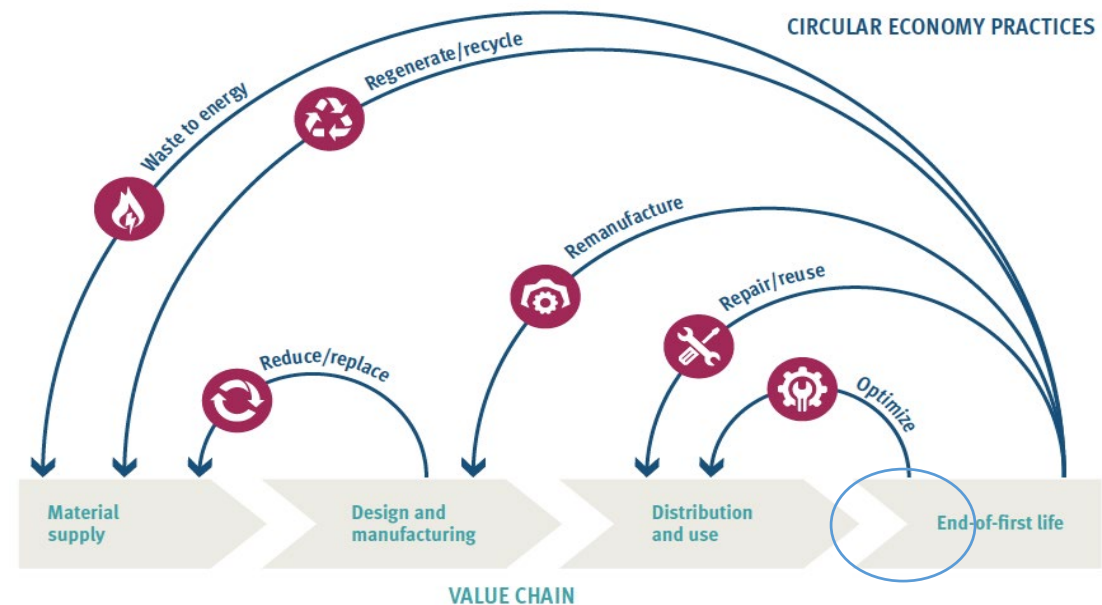
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Circular economy is an “industrial economy”

- Returns products, parts and materials into use several times
- By
 - Designing products to last
 - Maintaining value for as long as possible in the economy
 - Minimizing generation of waste and pollution, and
 - Using renewable energy along value chains, as much as possible



- **Enablers:** Innovation, Stewardship, Partnership, Collaboration and Digitalization between businesses, governments, and consumers

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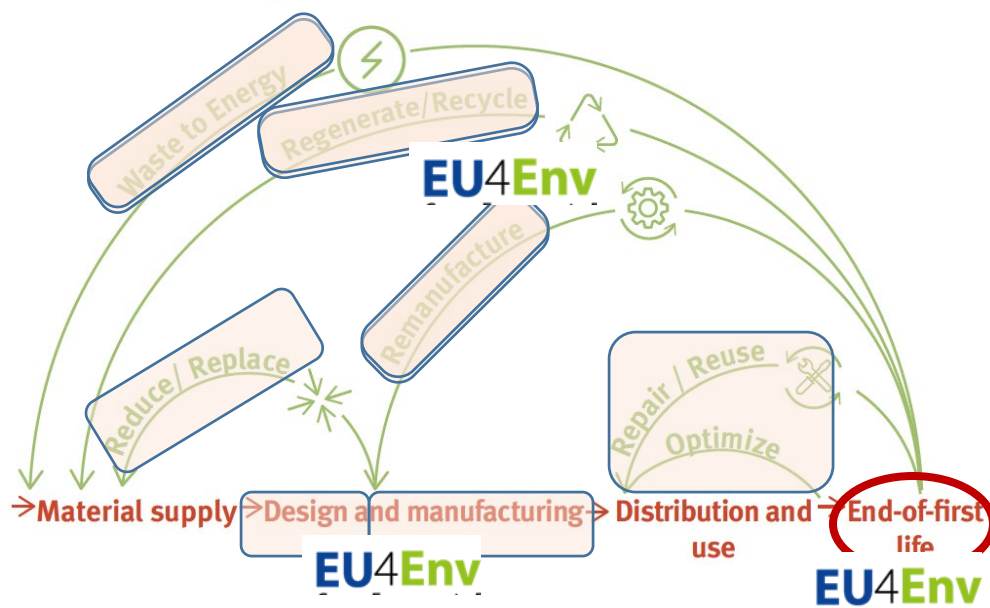
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Circular economy practices are “business practices”

■ Linear supply chain

■ Circular economy practices



Along **global** and **domestic value chains**

- Eliminate/**replace** the product (-> single-use plastic products)
- **Product design phase**
 - **Reduce** amount of materials used
 - Eliminate/**replace** hazardous chemicals
 - Improve **Durability** / **Reusability** / **Upgradability** / **Reparability** / **Recyclability**
 - Increase **recycled** content in products
 - Ensure products use energy and other resources efficiently throughout their lives
- Maximize **resource efficiency** in manufacturing
- **Optimize/intensify** use of products
- Enable **remanufacturing** of products, parts
- **Regenerate** biomass, **recycle** other materials
- After maximizing circularity everywhere else, **recover energy** from remaining waste

Circular economy practices **strengthen resilience** of firms and economies!

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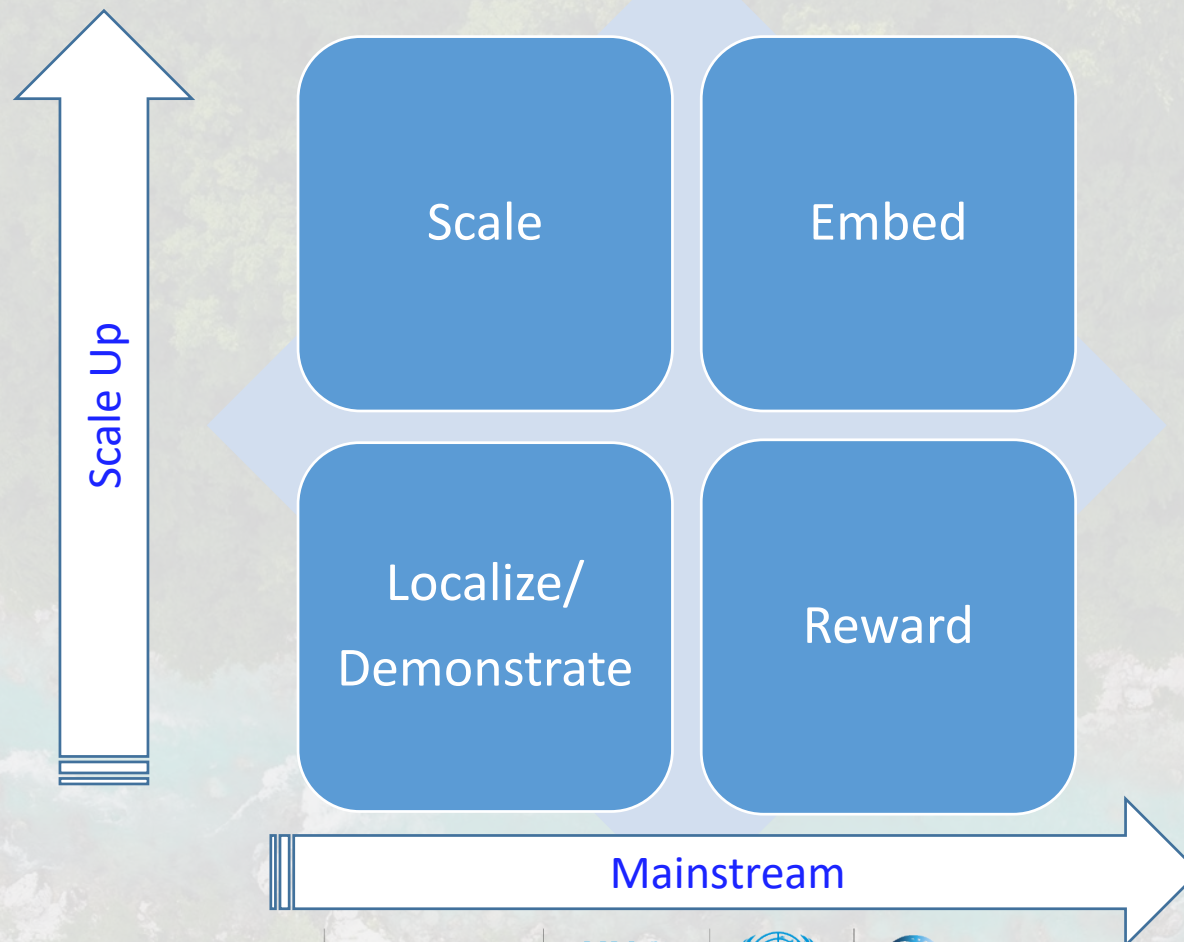


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Armenia, Azerbaijan, Belarus, Georgia, Republic of Moldova, Ukraine

RECP strategies for Circular Economy





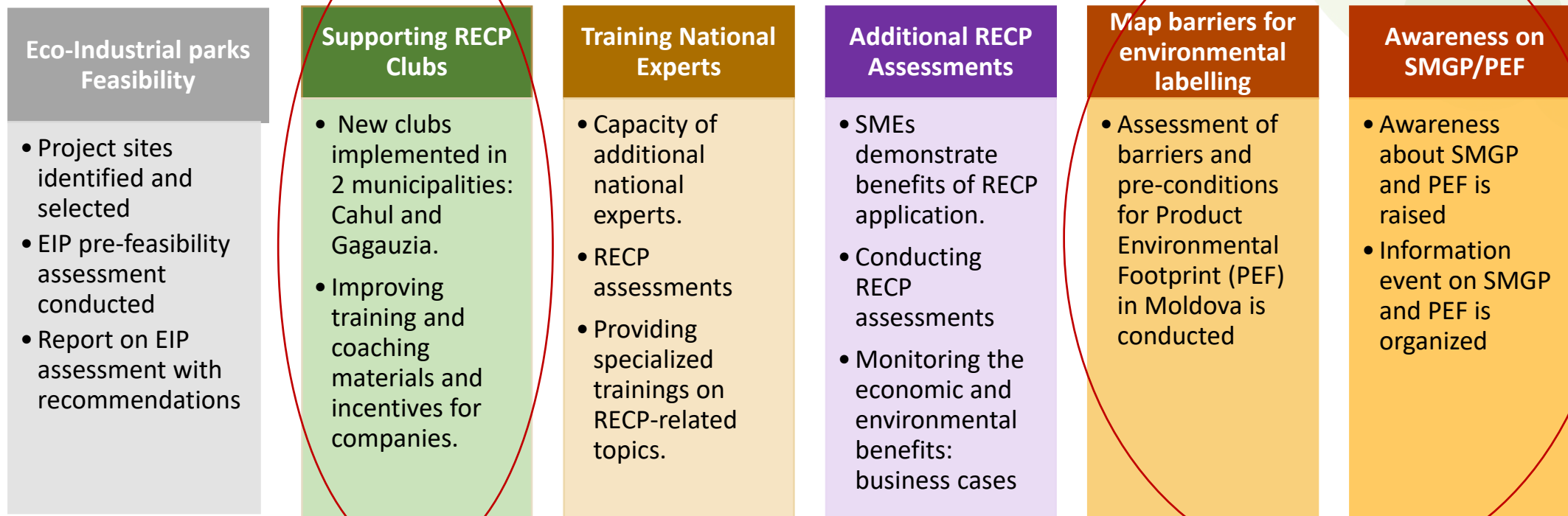
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2.1 Resource Efficient and Cleaner Production among SMEs

2.2 EU Single Market for Green Products



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Benefits for RECP Club members

Cost reduction through improved efficiency and productivity

Reduction of waste and emissions and savings on energy, materials and water

Increase knowledge

Have access to information: best practices, innovative tools and approaches

Promote your organization and services (events, clubs, media)

Connect with business peers: learn from their ideas and experiences

Add your own case studies and success stories

Innovate and be part of community of leaders

Please join by
contacting:

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DEVINNO

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Advancing Product Environmental Footprint (PEF)

in selected industries of the EU's Eastern Partner (EaP) countries



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Single Market for Green Products: How it all started



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At the EU level

- *Council conclusions in 2010 asked for a harmonised method to calculate the environmental performance of products along their life cycle.*
- *The European Commission started to develop the Environmental Footprint methods to bring more clarity for citizens and new opportunities for businesses by calculating the full environmental footprint of a product or organisation*
- *PEF and OEF methods were adopted in 2013 by the European Commission and published in the Official Journal (2013/179/EU)*

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PEF communication and existing labelling schemes

PEF Goal: to enhance comparability within a product category, and give clear indicators to producers and consumers alike

The PEF method helps companies measure their environmental performance and position themselves with confidence in the market of sustainable products.

The PEF is a multi-criteria measurement of the environmental performance of a good or service throughout its life cycle.

PEF information is produced with the purpose to reduce the environmental impacts of goods, taking into account their supply chain activities (from the extraction of raw materials, through production and use, to final waste management).

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EU4Environment: SMGP promotion activities

- Goal: To facilitate access of companies to the European Union's Single Market for Green Products initiative
- Aims at establishing a comparable baseline environmental performance system for products and organizations based on Product Environmental Footprint (PEF)
 - National awareness raising in all EaP countries: Exposing national stakeholders to the potential of the PEF system
 - For Georgia and Ukraine:
 - Capacity building
 - Support 2-3 pilot PEF studies
 - For Moldova: analysis, awareness and learning from the

Organizations in Moldova
are invited to a tender
for a national SMGP/PEF
introduction partner of
UNIDO

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Thank you for your attention!

Comments? Questions? **Applications for RECP Clubs and/or SMGP promotion partnership opportunity?**

Please, contact me at t.chernyavskaya@unido.org

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