

**EU4Environment** Green Economy in Eastern Partner Countries

# Green Transformation of Moldova – the contribution of RECP

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## RECP 1975 and today: from 3R to 10R

High

Low

NECE



#### Levels of circularity: 10 R's







Sources: Austrocell, Fresner, https://amsterdameconomicboard.com/











the European Union

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## Resource Efficient and Cleaner Production (RECP)

RECP entails the continuous application of **preventive environmental strategies** to processes, products and services in order to increase efficiency and reduce risks to humans and the environment.

RECP addresses the three sustainability dimensions

individually and synergistically:

- a) heightened economic performance,
- b) environmental protection,

c) social enhancement.



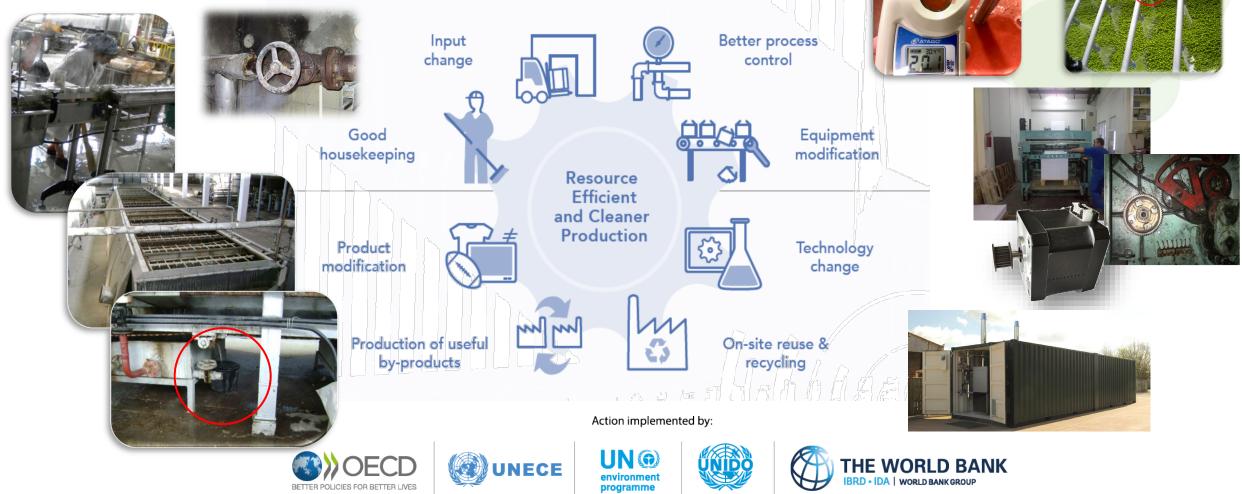






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## **RECP** Practices in Moldova





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## Implemented measures Bons Offices s. r. l.

Measure	Resource savings	Economic benefit Lei per year	Investment
1 Modified system for compressed air distribution	6030 kWh/a	9648	17 401 Lei 870 EUR
2 Replacement of air compressors	36728 kWh/a	58765	234 000 Lei 11 700 EUR
3 Replacement of CFL with LED tubes	49309 kWh/a	78985	50 800 Lei 2540 EUR
4. Modernisation of sheeting machine	41700 kg/a	500400	220 000 Lei 11 000 EUR



THE WOR

**BONS OFFICES** 

Action implemented by:

UN 🙆

environment

programme

UNECE





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### Benefits in Ohrid Vid s. a. during three years (2012-2014)

Measure	Savings	Unit	Monetary value [EUR]
Electric energy	501 502	kWh	60 262
Natural gas not considering new boiler	176 884	m <sup>3</sup>	86 680
Water (without waste water treatment)	77 852	m <sup>3</sup>	28 816
TOTAL			175 758



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> Material optimization

Action implemented by:

UN 😡

programme

(ton/year)

46,340

Reduction of

Reduction of Water

Reduction of Waste generation

(ton/year)

39,794

consumption

(m3/year)

1,394,490

Wastewater discharges (m3/year)

1,272,357

# Experiences from EaP GREEN (2013-2017)

CO2 eq emission

UNECE

reduction

(ton/year)

81,115

- RECP was applied in 357 SMEs and organisations
- Appr. 2 000 RECP measures were identified
- More than 5 million EUR investments initiated

Energy saving (Mwh/year)

158,096

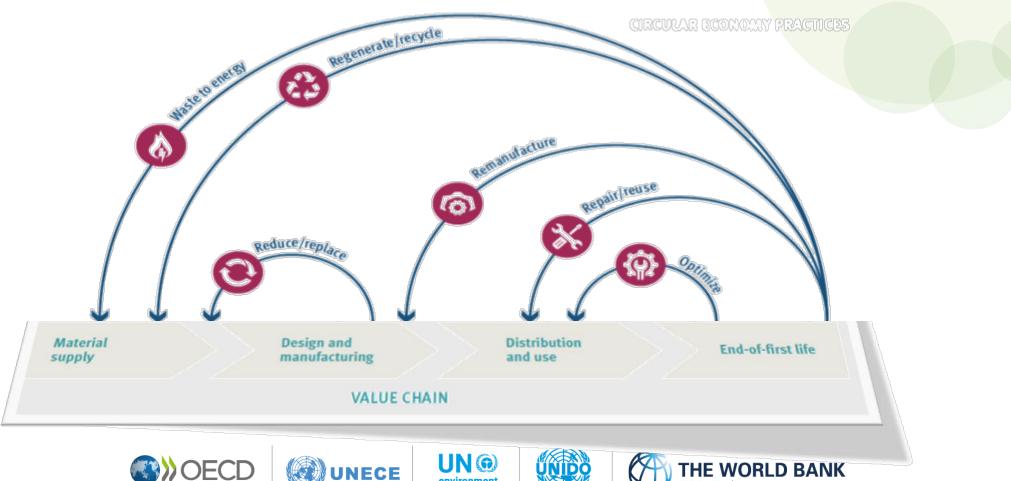
9.4 million EUR savings identified



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## Circular Economy as a vision

BETTER POLICIES FOR BETTER LIVES



environment

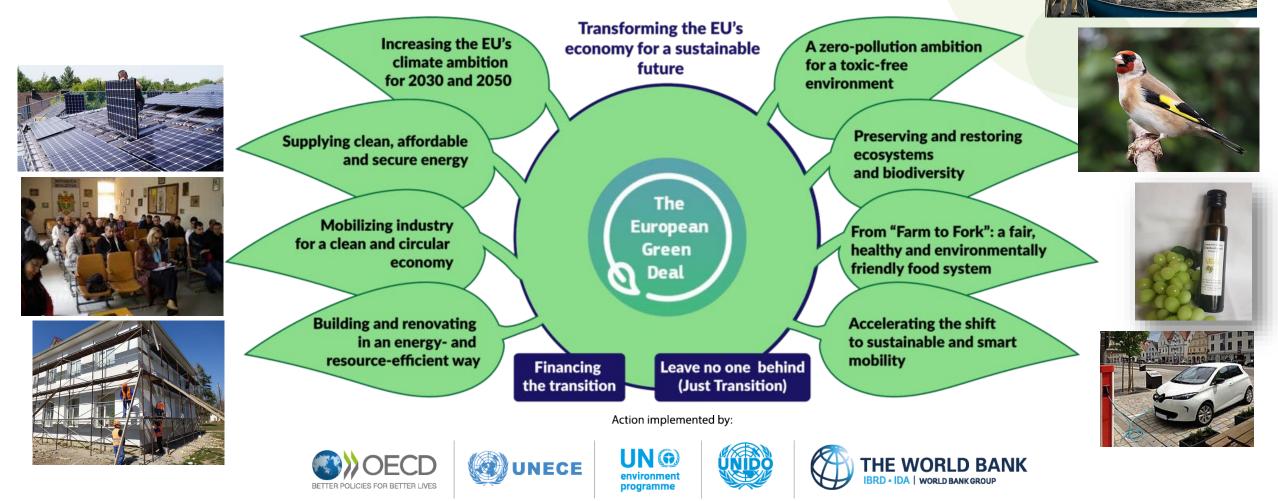
programme

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## Green Deal and what we do





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## RECP

- Reduces environmental impact
- Supports know-how building and transparency
- Improves economic results
- Helps to develop solid plans
- Requires external impulse
- Use social dynamics and policy

"There is always room for improvement, and we just need to take off our "**sun glasses**" to look out of the box, and stop the routine of losses!: RECP is like **to learn fishing** instead of getting it cooked on the plate"

#### Valeri Uncu











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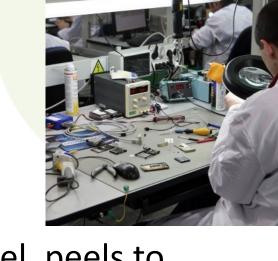
# Next steps to a Circular Economy

- Support remanufacturing, repairing, refurbishing
- Support separate collection and material recycling
- Explore the potential of by-products (fruit stones as fuel, peels to biogas (seasonal), pectine, oils from seeds and stones, spirits)

Action implemented by:

- Continue training and expert support
- Link to research organisations
- Link to funding

Source: https://www.appropedia.org/Fruit\_waste\_utilisation







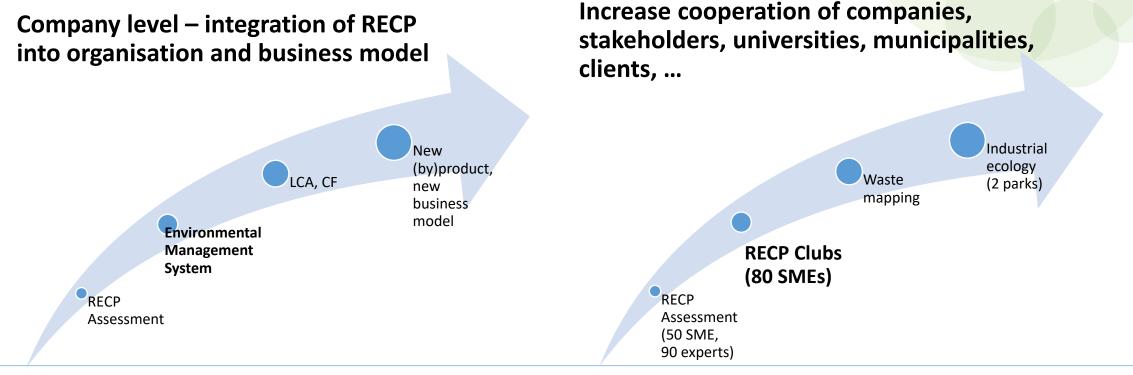






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## How to reach out to 50 000 enterprises in Moldova?



Action implemented by:

NECE











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# Thank you for your attention! Vă mulțumim pentru atenție!



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