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RECP legacy as stepping stone for circular economy

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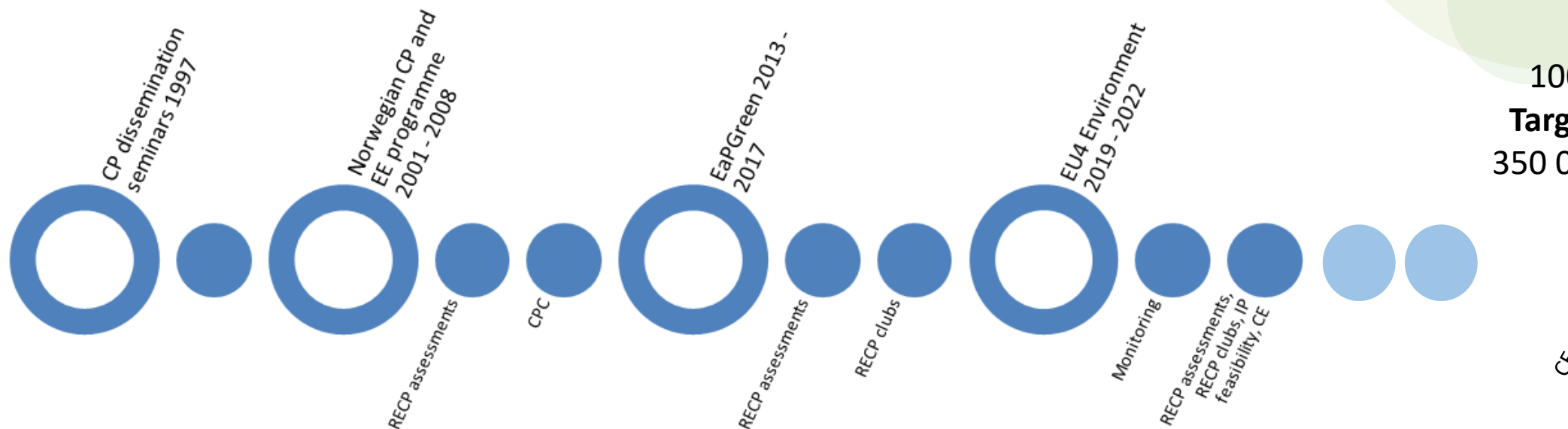


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The RECP balance sheet in Azerbaijan



Outreach:
100 + enterprises
Target: More than
350 000 enterprises

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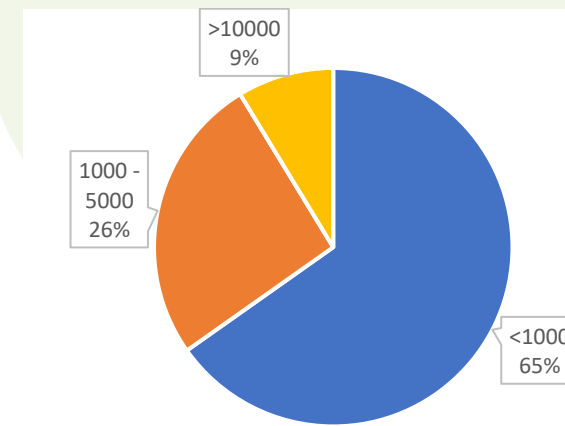
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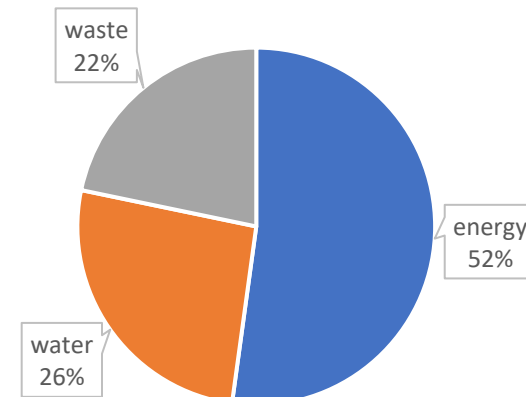
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Results monitoring 2015 - 2023

Country	Number of Demonstration Enterprises in 2014-15 (RECP assessments by trainee experts)				Number of Demonstration Enterprises in 2015-16			TOTAL 2014-2016* (expected)
	Food Processing Sector	Chemical and Allied Sector	Construction Materials' Sector	Total	RECP assessments by trainee experts	Clubs participants		
						2015	2016	
Armenia	7	2	2	11	12	26	21	70
Azerbaijan	5	1	2	8	10	20	16	54
Belarus	4	2	0	6	15	20	40	81
Georgia	4	3	3	10	10	16	16	52
Moldova	0	5	0	5	6	20	20	51
Ukraine	0	0	5	5	8	18	19	50
EaP Total	20	13	12	45	67	120	134	358



Size of investment



Category of recommendation

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Business cases

DEMONSTRATION COMPANIES	No	Company	Sector
	1	Lachin 1 LLC	Cement manufacturing
	2	Baku Textile Factory LLC	Textile production
	3	Alyans Textile	Manufacturing
	4	Bliss Group LLC	Manufacturing
	5	NORM LLC	Manufacturing
	6	Elastic LLC	Manufacturing
	7	Azeraluminium LLC	Metallurgy
	8	Shamkhal-86 LLC	Concrete workshop
	9	BETEX Textile LLC	Textile production
	10	Caspian Cable Systems LLC	Manufacturing
	11	Helind Energy	Production of electricity
	12	Green-Blue	N/A
	13	UniPro	furniture manufacturer
	14	Azerfloat	glass manufacturer
	15	Rortvest Safety Uniform	N/A
	15	TOTAL	

	No	Company	Sector
RECP Club #1 (Baku)	1	"Universal Construction Engineering and Supply" CJSC	Industrial construction
	2	"M&T LTD" Firm	Food production
	3	"Mahmud-Topchu K" LLC	Manufacturing
	4	"A+CO" OJSC	Food production
	5	"Gilan Textile Park" LLC	Manufacturing
	6	C.Q. PARTNERS LLC	Construction
RECP Club #2 (Ganja)	1	Gizil Eller LLC	Household
	2	Ganja Textile OJSC	Textile
	3	Semsan LLC	Metallurgy
	4	"Sempa" QSC	Construction materials
	10	TOTAL	



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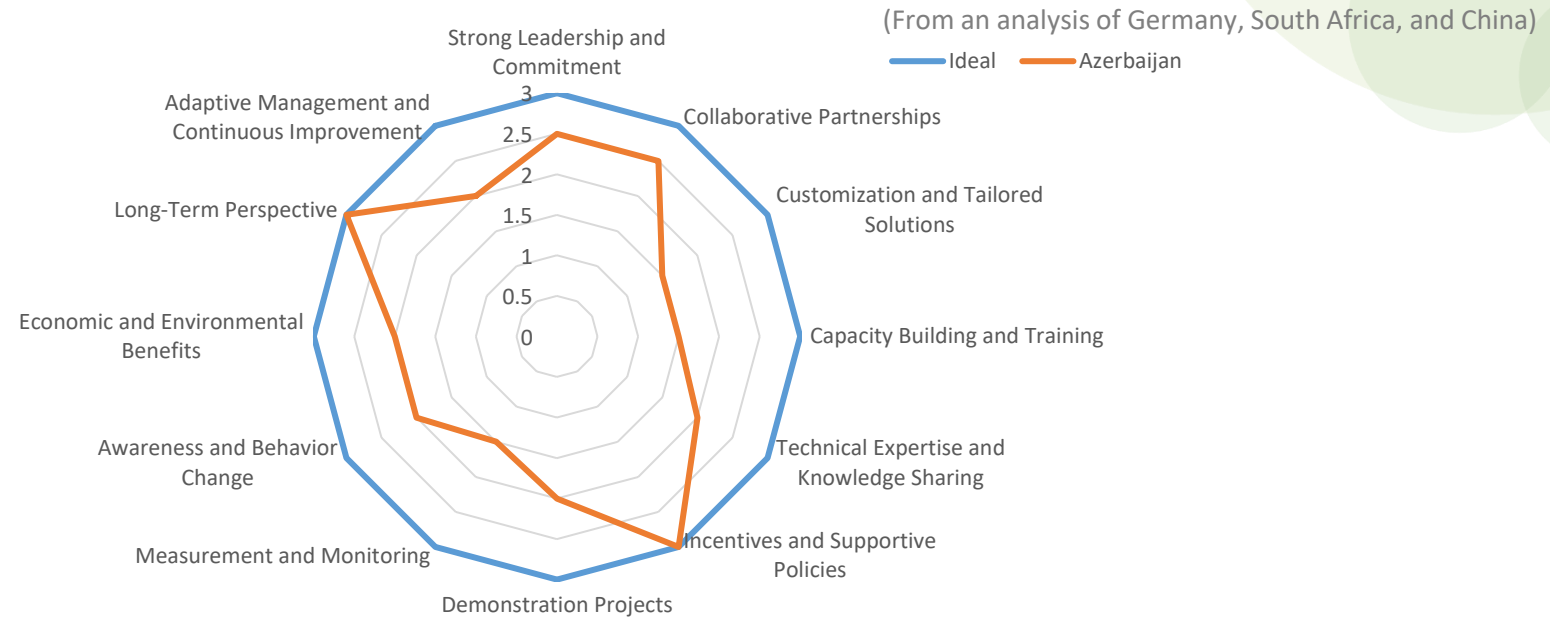


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„RECP/CE readiness index“



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RECP as stepping stone for CE

- The circularity mapping suggests combining strategies of RECP and CE to improve manufacturing's resource efficiency— both at early stages, where materials are formed, and later stages, where products are created.
- Gains in material efficiency, which narrow flows, should be ingrained in these early stages: cutting yield losses involves making the most of technological advances to get more from less.
- This involves product design for longevity, recycling, digitalisation (sensors, control, machine learning and artificial intelligence), and automation including robotics.

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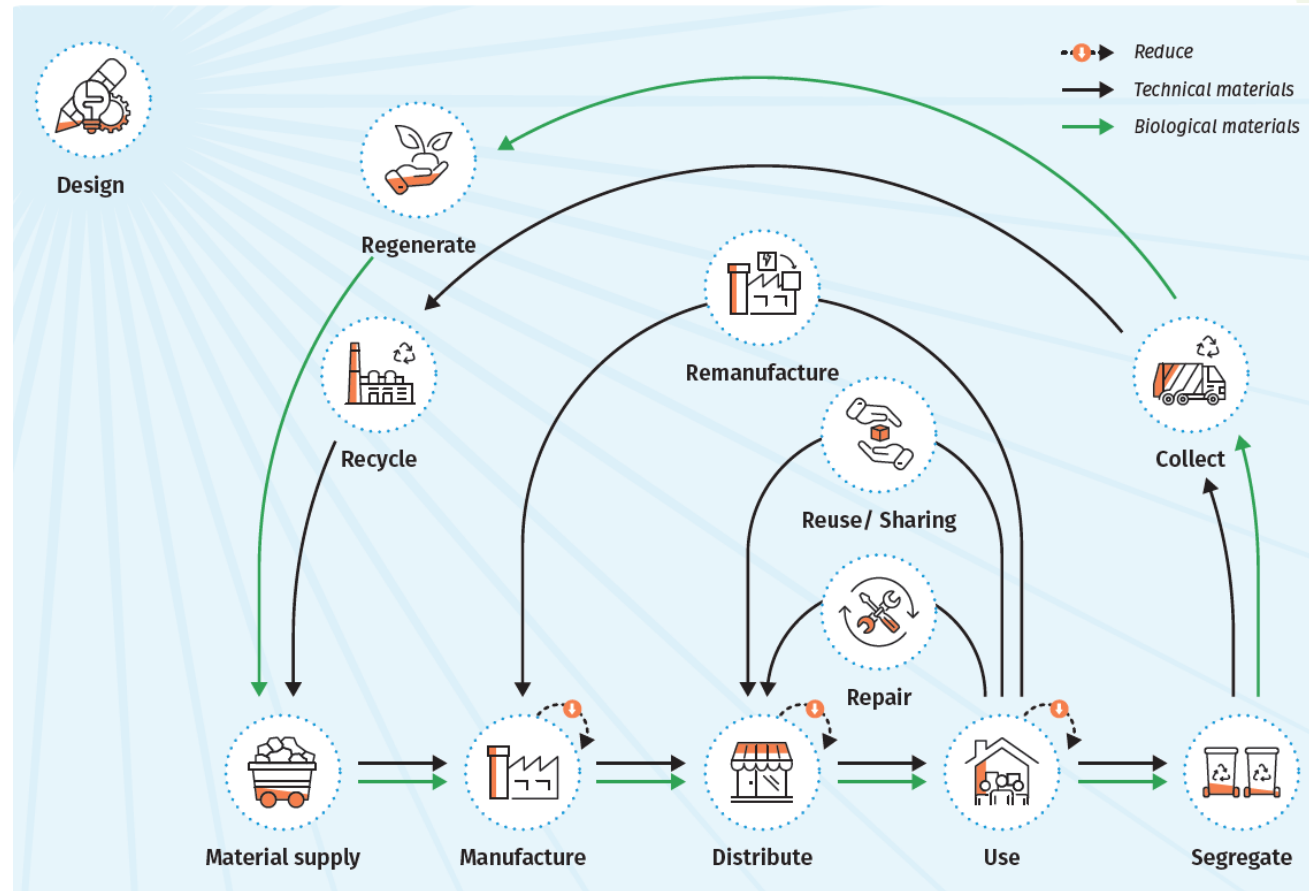
UNIDO Circular Economy vision

Materials:

Improve quality of
raw material
Turn waste into product

Energy efficiency:

LEDs
Heat recovery
Preheating
Condensate return
Insulation
Upgrade of motors
and equipment



Towards zero carbon:

Wind turbines
Biowaste as fuel
Photovoltaic panels

Product longevity

New business models
(Cooperation)



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Global Network for Resource Efficient and Cleaner Production (RECPnet)



RECPnet Regional Chapters

- Africa
- Arab Region
- Asia and the Pacific
- Eastern Europe, Caucasus and Central Asia
- Latin America and the Caribbean

71 members

- ▼ Regular
- Associate
- 📍 Observers

71 members

- ▼ Regular
- Associate
- 📍 Observers

Centres of expertise working with industry to scale up and mainstream RECP

Powerful network: knowledge, experience, technology transfer

Over 70 members in more than 60 countries

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The way forward



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The way forward

Supportive policy framework
General awareness
Support waste management hierarchy
Utility pricing
Provide stable system
Best practises implementation
Support research institutions



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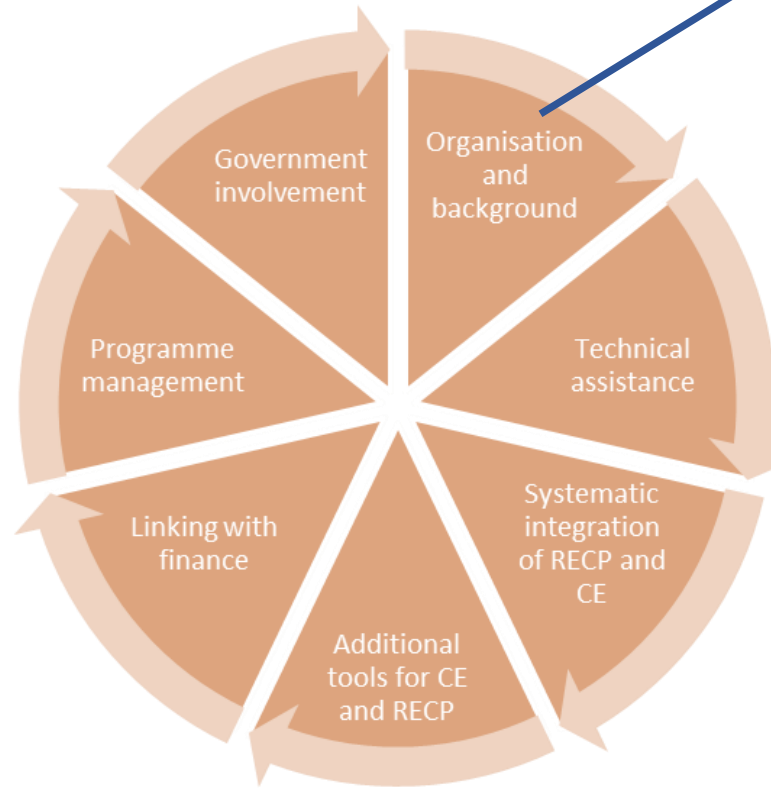


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The way forward



Establish a focal point
Establish supporting eco-system
Stakeholder involvement
Human resource development
Continuous marketing
PDCA - Continuous improvement

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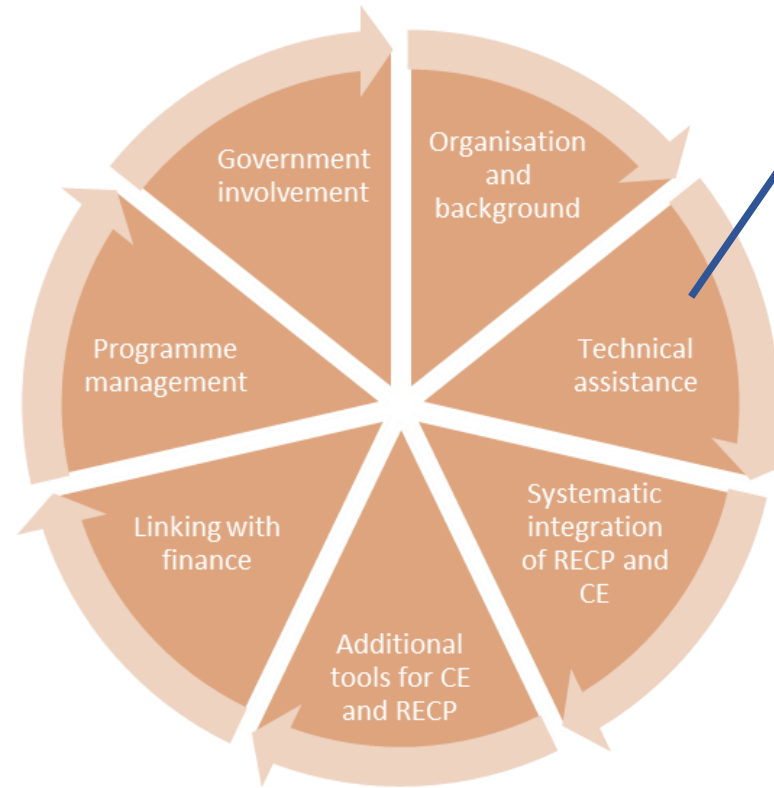


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The way forward



Provide continuous technical assistance
Certification scheme
Quality management
Enhanced training
(Communication skills; CE and RECP)
ESG reporting
Demonstration
Financial assistance
Recognition

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The way forward



Reference guidelines
Assessment best practise
MFA with life cycle analysis
Energy efficiency and carbon footprint
Materials, chemicals, recycling
Business models and 10 Rs
CE and RECP clubs

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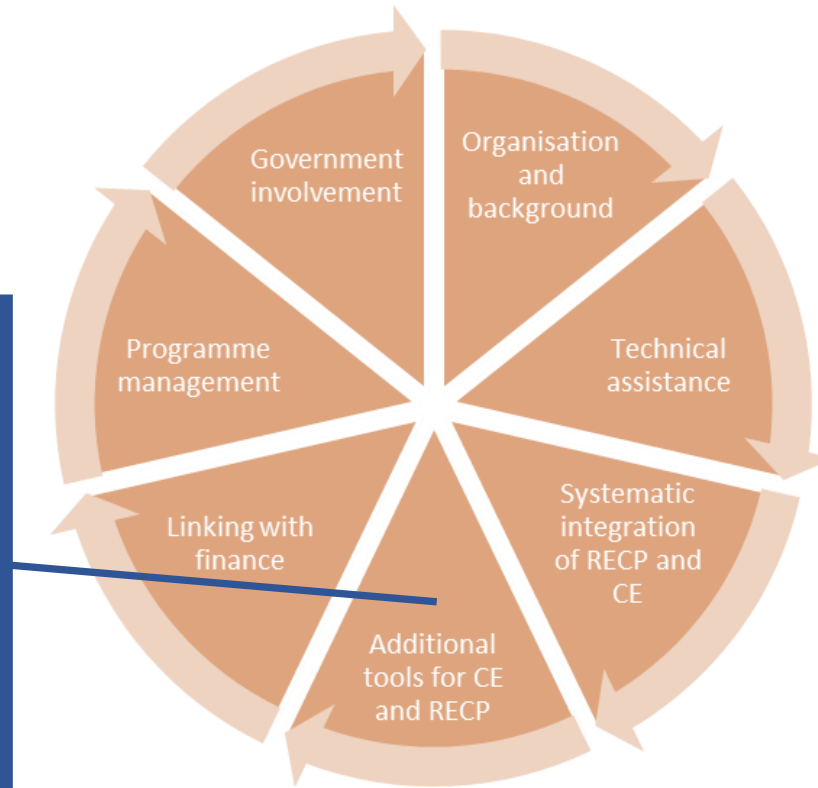
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The way forward

Micro-guidelines, repository
Knowledge management
Integrated training programme
Tools and data
Measurement equipment
Collaboration
Excursions



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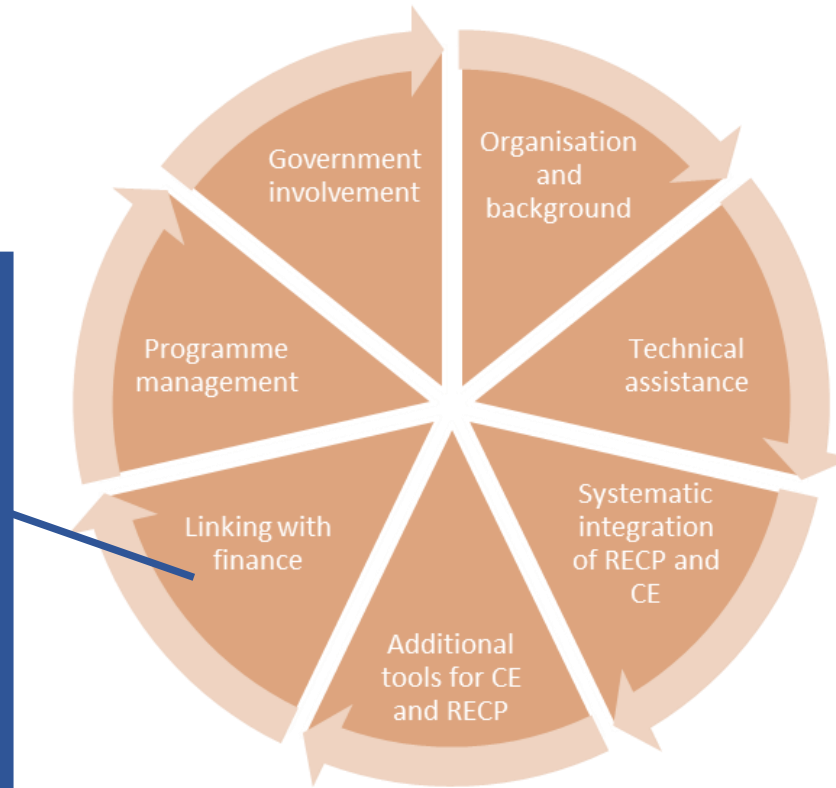
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The way forward

Link to finance
Preferential financing lines
Link to other donor programmes
SME support
Support for municipalities
Marketing and information



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The way forward

Project preparation
Nuture ecosystem
Develop consultants' pool
Liaise with other programmes
Manage knowledge flows



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Summary: The way forward

- Continuous support of enterprises
- Adapt focus, method, and materials to the characteristics of micro, small, medium and large enterprises
- Provide access to finance
- Support institutionalisation, nurture ecosystem, put together puzzle of stakeholders and donors
- Continue experts training with specialised trainings: circular materials, product design, circular business models, cooperation
- Provide personal experience to experts and companies



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Thank you very much for your attention!
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