



United Nations
Framework Convention on
Climate Change



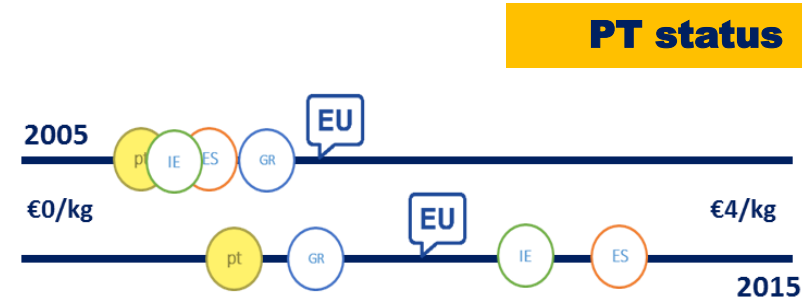
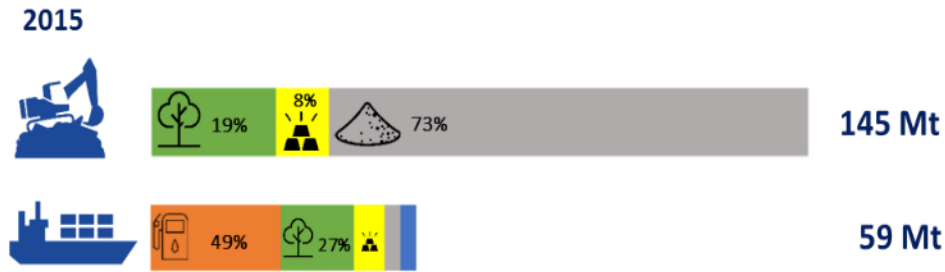
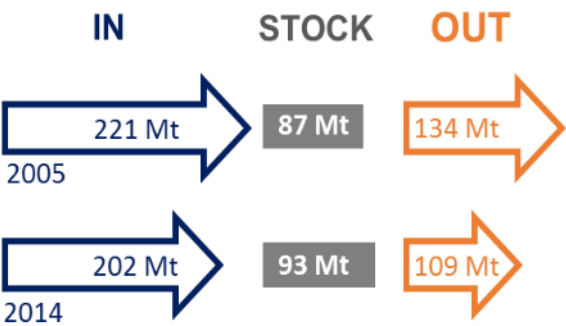
UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



Leading the transition: the Portuguese Action Plan on Circular Economy

Inês Costa | aid to the Ministry of Environment

What different policy options and best practices on circular economy, are available?



barriers

Cultural	Technological	Market	Regulatory
Company culture	Circular design	High upfront investment costs	Obstructing laws and regulations
Willingness to collaborate in the value chain	Ability to deliver high quality remanufactured products	Limited funding for circular business models	Limited circular procurement
Consumer interest and awareness	Lack of data, e.g. on impacts	Low virgin material prices	Lacking global consensus
Operating in a linear system	Too few large scale pilot projects	Standardisation	

Legend: ■ Most pressing barriers ■ Intermediate pressing barriers ■ Least pressing barriers

EXAMPLE | EUROBAROMETER SMES & CIRCULAR ECONOMY (Portugal – 2016, 400 sme)

- Mainly **recycling** and **energy efficiency**
- 73% SME invest **0% to 5% turnover**
- 56% don't know of any public support
- 79% said no alternative sources of finance

policy: background

Source: Kirchherr J. et al. 2017. Breaking the Barriers to the Circular Economy. White Paper. Deloitte & Utrecht University



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A reparação na Forall dá-te ainda garantia até 2 anos

COMPETE 2020



POLICY | Low hanging fruits

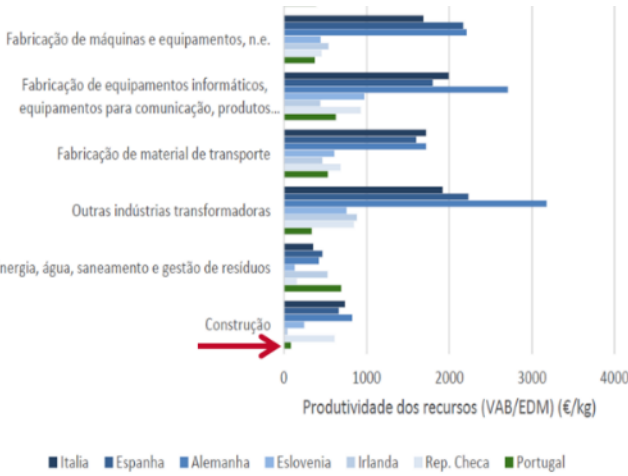
- **ECO.NOMIA:** national examples of companies, products, projects, financial opportunities (e.g. Horizon2020, awards, competitions), resources, events;
- **ROADSHOWS & WORKSHOPS:** visits to companies working with CE principles, thematic workshops with experts;
- **FUNDING:** *Environmental Funding Program* (2018: 5M euros for CE), FITEC, COMPETE, etc. Calls, I&DT support;
- **MARKET:** fiscal taskforce for single use plastics, decarbonization of energy system;
- **CIRCULAR DEALS:** voluntary agreements between Government and stakeholders to identify and act on non-financial barriers, time limited, no finance;

AWARENESS | BUSINESS CASE

INITIAL INVESTMENT

BETTER POLICY DESIGN

policy: options



Projeto mobilizador FAMEST

Calçado & Retailho	BOA, CASH, CASH, CASH, CASH, CASH, CASH, CASH, CASH, CASH
IMP & Produtos Químicos	INDINOR
Materials & Componentes	Aloft, CASH, CASH, CASH, CASH, CASH, CASH, CASH, CASH, CASH
Softwares & Equipamentos	CASH, CASH, CASH, CASH, CASH, CASH, CASH, CASH, CASH, CASH
SCTN	CASH, CASH, CASH, CASH, CASH, CASH, CASH, CASH, CASH, CASH

€ 9 million euros

€ 10 million euros

IFRRU2020 Instrumento financeiro reabilitação e revitalização urbanas

Iceland Liechtenstein Norway grants

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marl

SIR

aiacep Global Parques

Eco Parque do Relvão

CIDADE+

FORCE

SHARINGCITIES

URBAN WINS

Fibrenamics of Évora

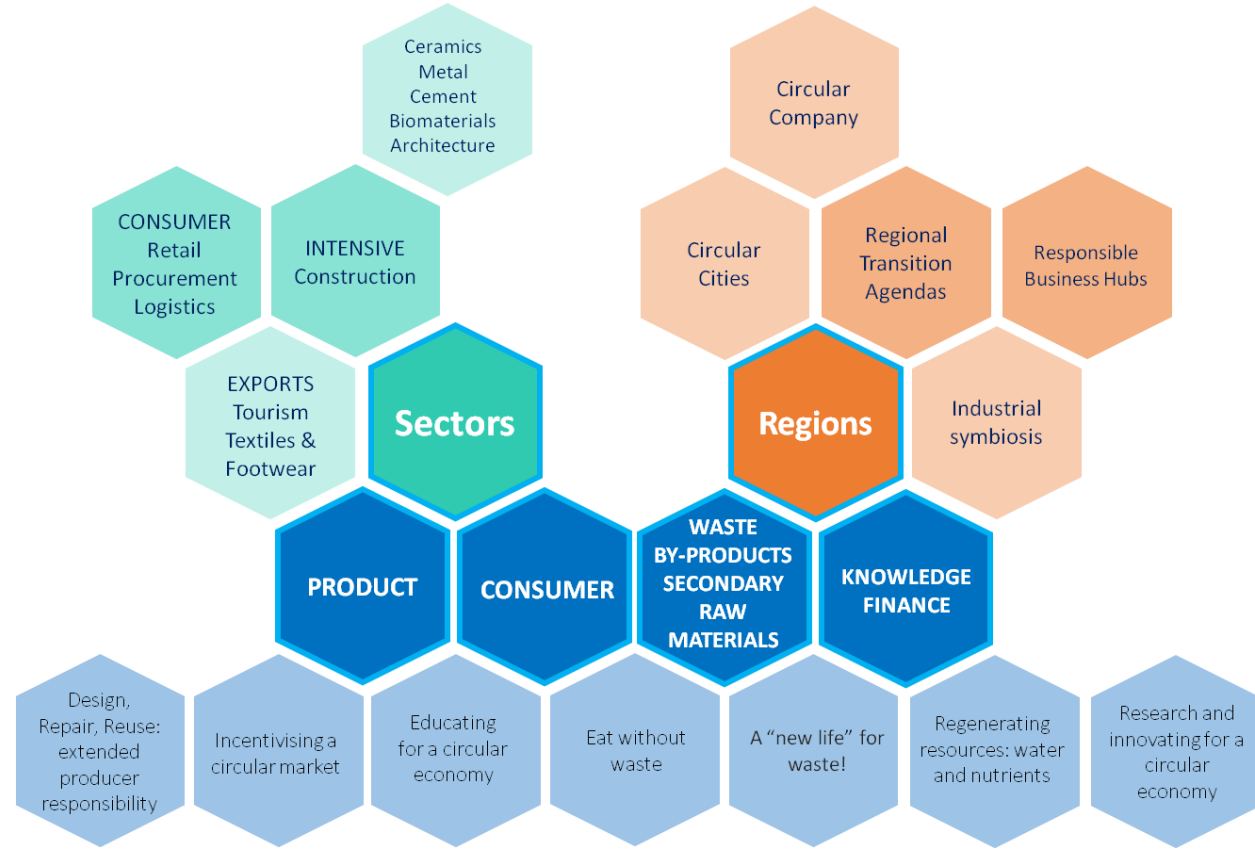
AMORIM

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TRIPLE ACTION

policy: roadmap

What can Parties and non-Party stakeholders learn from these policy options and best practices?



RNC2050
Carbon Neutrality Roadmap

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Onde o país encontra o futuro

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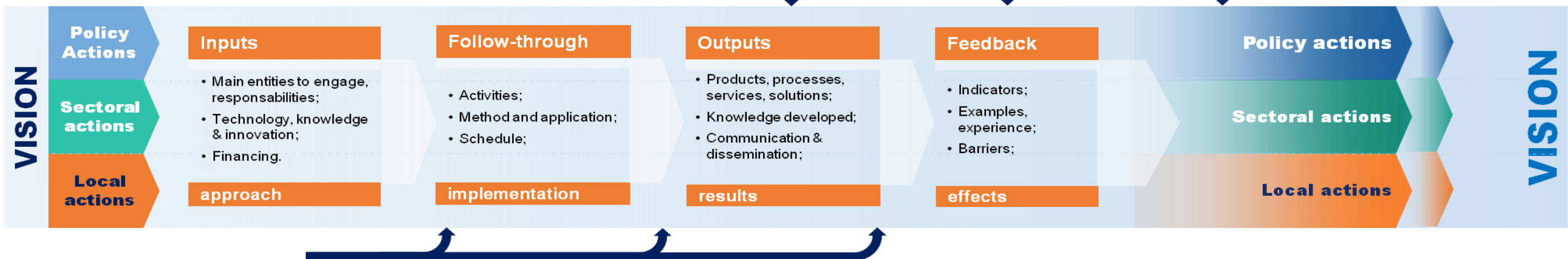
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INTERRELATED POLICIES

MIDDLE-OUT PROCESS

Paris Agreement, SDG, EU Action Plan, European Investment Bank, national government strategies...

→ 2025



Financial institutions, associations, regional authorities, municipalities, higher education institutions, R & D centers, companies, technology centers, competitiveness clusters, NGOs ...

policy: learning

How does circular economy contribute to a just transition of the workforce and the creation of decent work and quality jobs?

Jobs, growth and investment in circular economy sectors



3.9 million jobs



Value added in 2014
EUR 141 billion



An increase of **6.1 %**
compared to 2012



Private investments
EUR 15 billion

EUROSTAT: Number of persons employed” and “Value added at factor costs” in the following two sectors: the recycling sector and repair and reuse sector.

2015 – Env. Goods and Services

- 2,8 % of the GAV(pt)
- 3,3 % of exports
- 2,3% of employment



2015 – CE jobs

- nº 9 in number of CE jobs (total)
- nº 10 in CE jobs as % of total employment (1,71%)

Projections (wrap, 2015)

- +36000 direct jobs until 2030

MISSING LINKS

- Unemployment, poverty as a structural “waste”
- Jobs as a “renewable resource” (e.g. ex-tax)
- Clear link between material productivity and skills
- Look beyond “waste and utilities”

OPPORTUNITIES

- **Unique position:** traditional industries and high-tech emergent
- PAEC includes orientation to conduct ex-tax analysis;
- National Agenda for Research & Innovation in CE 2030;
- National Environment Education Strategy includes skill reinforcement and college curriculums;
- Startups and business incubators momentum in PT, bring IoT, blockchain, and other solutions towards focus on SDGs (e.g. Gulbenkian Foundation, Ministry for Modernization);

building momentum



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THANK YOU!

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