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More from less – material resource efficiency in Europe

2015 overview of policies, instruments and targets in 32 countries

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About the European Environment Agency

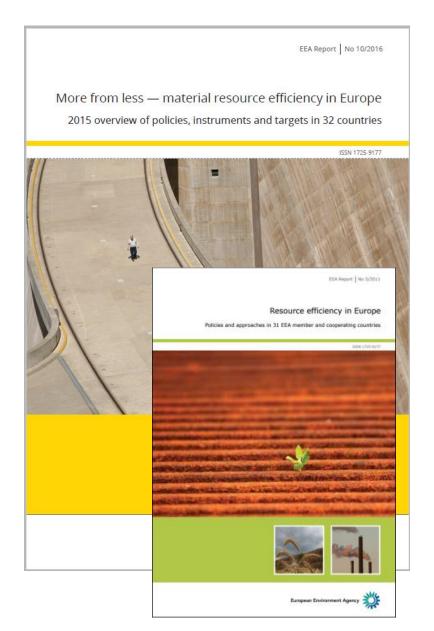


- Specialized EU agency
- Located in Copenhagen
- 39 member and cooperating countries
- Eionet network in the countries

'The EEA aims to support sustainable development and to help achieve significant and measurable improvement in Europe's environment through the provision of timely, targeted, relevant and reliable information to policy makers and the public'



Context for the 2015 overview of resource efficiency policies



Main goal is to encourage **information sharing** and **capacity building** within EEA's Eionet network

Insights and knowledge to support the **implementation of EU policies**, e.g., Resource efficiency roadmap, Circular economy action plan

An integral part of the report are **32 country profiles**, self-assessments prepared by countries. Information is current as of end 2015



The analysis builds on the earlier EEA review **"Resource efficiency in Europe"** published in 2011

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Coverage and scope



Focus on material resources across the lifecycle, corresponding to the scope of MFA

EU regulatory framework and **trends in EU material use** are discussed in the report, to provide context for national information

However, the exercise was **not intended** as a review of compliance

Showcasing **examples of good practice** / innovative approaches taken in the countries



Some noteworthy examples



- National Energy Efficiency Action Plan, 2011-2018 - Law on Integrated Waste Management



 Plan C. Transition Network for Sustainable Materials Management (Flanders) - Marshall Plan 4.0-circular economy (Wallonia)



- Act on Sustainable Waste Management (2013) - Act on Mining (2013)



- Circular economy policy toolkit - Indicators of resource efficiency at the sector level



 National Material Efficiency Programme (2014) By 2017, all new public buildings should be near-zero-energy



- Law on Consumption (2014), addressing lifespan of products National Council for **Ecological Transition**



- National Environmental Technology Innovation Strategy - Set of 2020 targets for resource management and efficiency



Resource Efficiency Action Plan (2012) - Food is Precious initiative



Programme Bulgaria 2020 Operational Programme on Innovation and Competitiveness 2014-2020

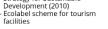
Austria



Policy (2014) and Action Plan - Vision 2024 and a 'decalogue' for a circular economy



Former Yugoslav Republic of Macedonia Strategy for Sustainable





- ProGress Resource Efficiency Programme Closed Cycle Management Act



- The Icelandic Recycling Fund - Waste Prevention Policy



Food Waste (2014) Green public procurement Action Plan to promote recycled materials

Spain - National Plan on Waste 2015-2020 National strategy

Italy

- Action Plan for Use of

- By 2020, 67.5% of total

Extended producer

on packaging waste

- National Strategy for

energy use to come from

responsibility agreements

Serbia

Sustainable Use of Natural

Resources and Goods (2012)

Network of Energy Managers

Construction

renewables

8**4**2

TURKEY

Recycled Materials in Public

Norway

Liechtenstein





- Green Economy Dialogue

NITED United 🔀 📉 Kingdom

10th Development Plan and its Priority Transformation Programs - Valuation of natural resources and ecosystem services





C*



*Under the UN Security Council Resolution 1244/99 - Mining Strategy of the Republic of Kosovo 2012-2025 - Funds for environmental protection

Kosovo*



- National Environmental Protection Strategy 2015 National Forestry Sector Development Programme



- Strategy for Innovation and Efficiency of the Economy Action Plan for Security of Supply of non-energy raw materials



- Raw Materials Policy - Methodological guide for green public procurement







Topics covered

	PA	ART I	MATERIAL RESOURCE EFFICIENCY IN THE EUROPEAN UNION	l 20
	1	Mater	rial resource efficiency policies in the European Union	21
	2	Trend in Eur	ls in the use of material resources and resource productivity ope, 2000–2014	
	PA	ART II	MATERIAL RESOURCE EFFICIENCY POLICIES AT THE COUNTRY	^r LEVEL 41
3 National strategies or action plans for material resource efficiency and policy objectives				
	4	Scope	of material resource efficiency	51
	5	The di	riving forces of material resource efficiency	54
	6	Priori	ty material resources, industries and consumption categories	60
	7	Closin	ng material loops in a circular economy	68
	8	Policy	instruments and examples of good practice	76
	9	Targe	ts for material resource efficiency	
	10	Indica	ators to monitor material use and resource efficiency	<u>9</u> 2
11 Institutional set-up and stakeholder involvement				97

PART III THE ROAD AHEAD 104

12 Countries' reflections on the future direction of material resource efficiency policies and support mechanisms	105
13 Final thoughts on policy development and implementation	111



Driving forces for resource efficiency

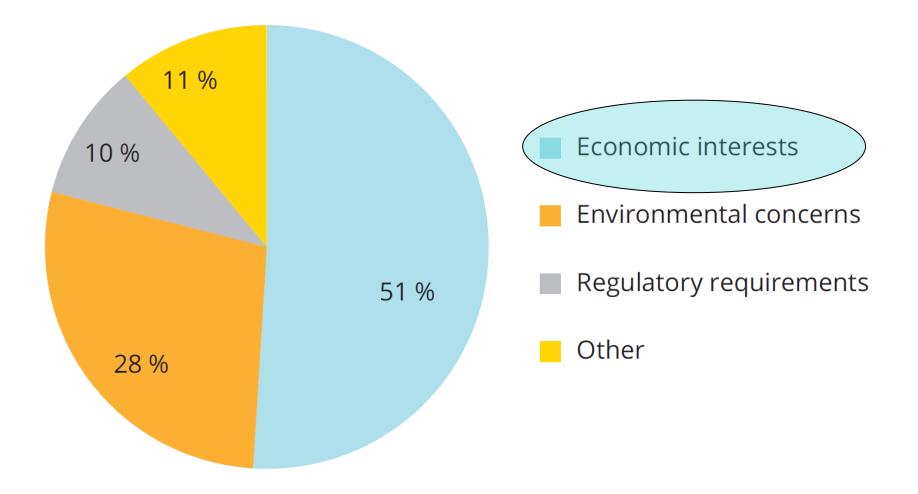
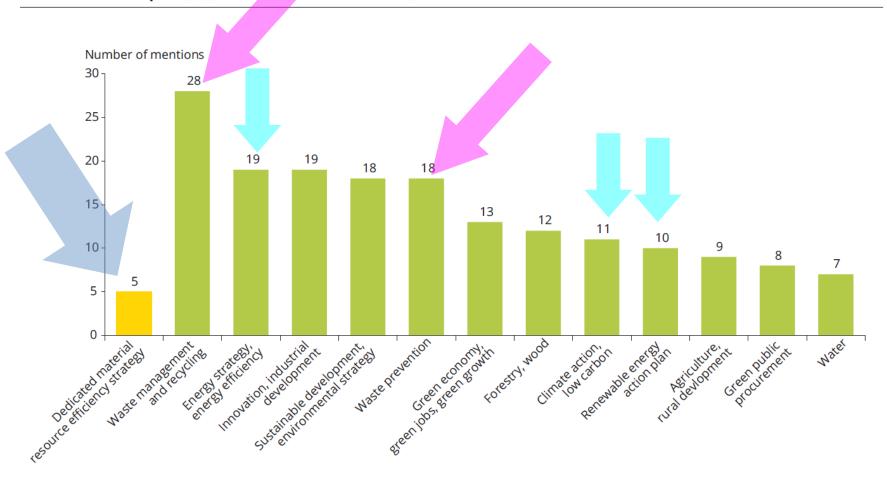




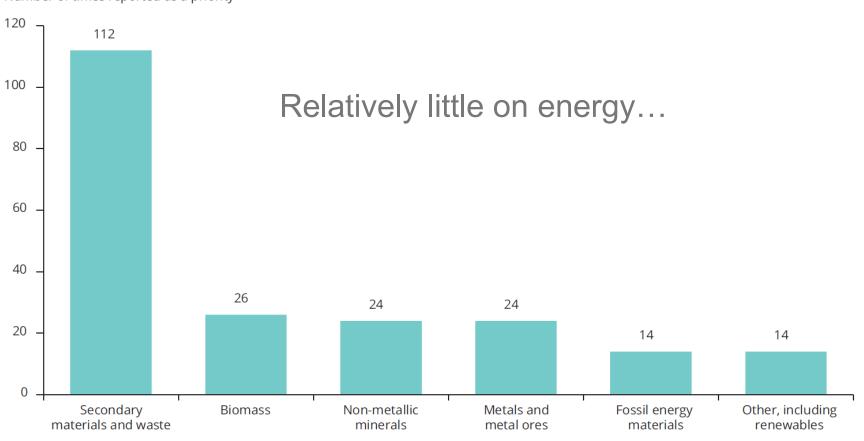
Figure 3.1 Overview of policies and strategies addressing material resource efficiency among various topics (*) (seven or more mentions)



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Priority materials by broad category

Figure 6.1 Priority materials by broad category and number of times reported as a priority

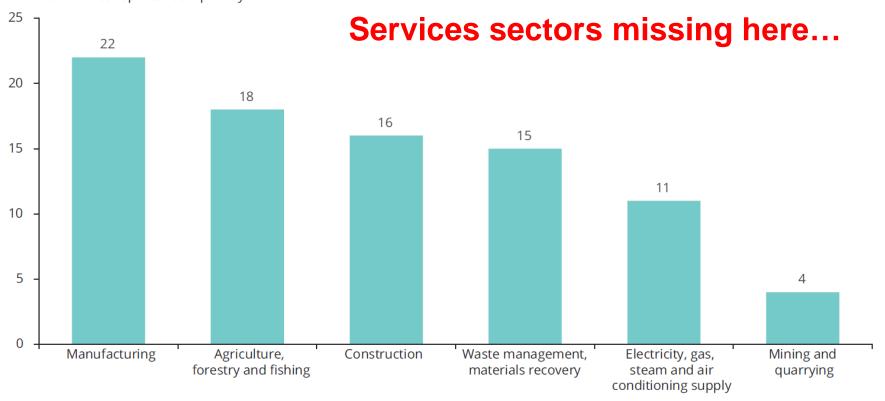


Number of times reported as a priority

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Priority industries and economic sectors

Figure 6.2 Priority industries and economic sectors (reported by four or more countries), grouped by NACE (*) classification

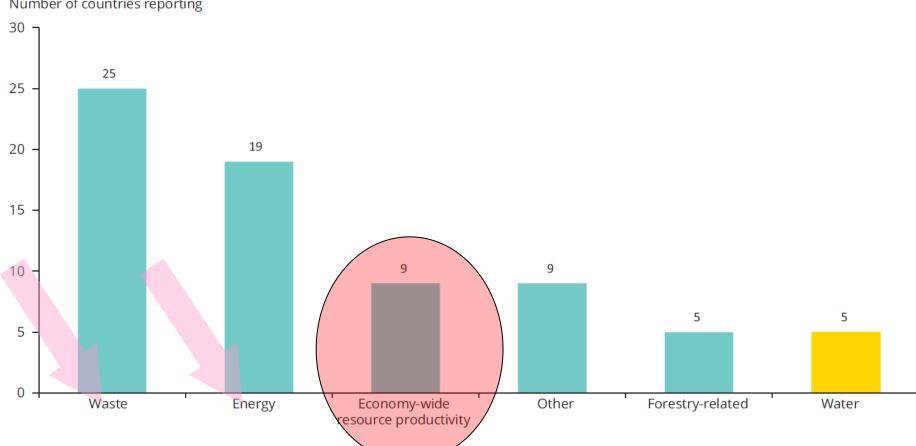


Number of times reported as a priority

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Reported targets for resource efficiency

Figure 9.1 Number of countries reporting on targets, by type of target



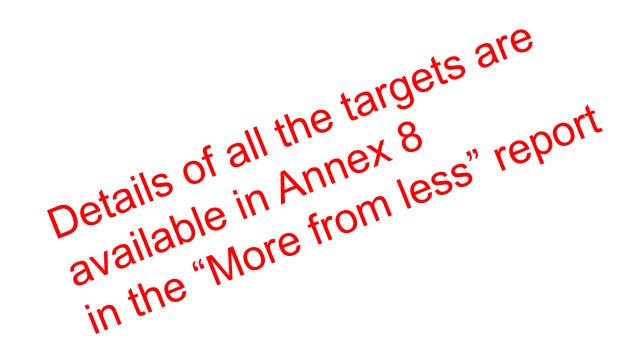
Water is outside the scope of this report, but is shown here because five countries reported targets related to water. Note:

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Number of countries reporting

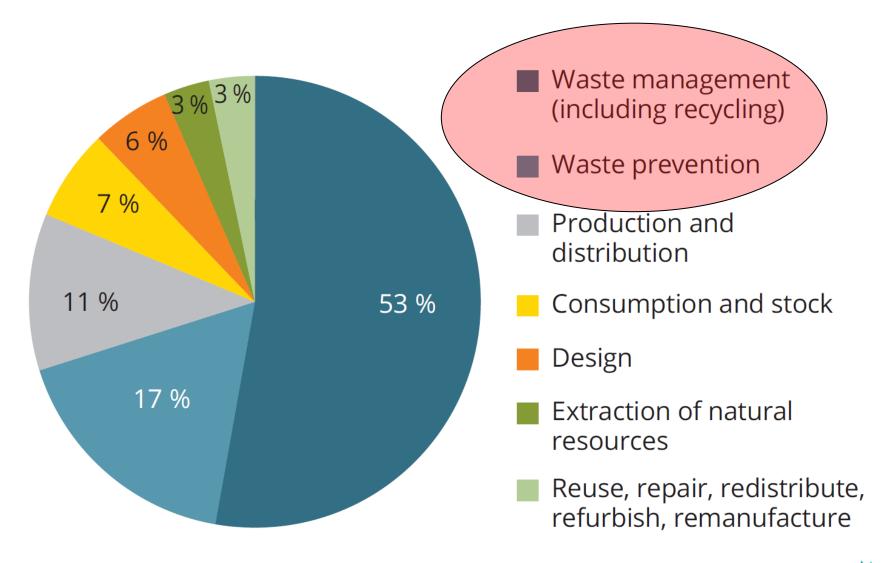
Nine countries reported having adopted a measurable material resource efficiency / resource productivity target...

Austria **Estonia** France Germany Hungary Latvia Poland Portugal Slovenia





Reported initiatives on circular economy





Some key findings /1

- <u>Economic factors</u> have become the major driving force now, compared with 2011 – the logic of doing more with less seems widely embraced
- More than half of the countries presented initiatives on <u>secondary</u> <u>raw materials</u> and on <u>waste management and prevention</u> as the core of their work on resource efficiency
- <u>"Waste" and "energy"</u> are the most frequent priorities for resource efficiency. Reported examples of good policy practice are dominated by waste prevention and recycling
- In most countries, energy use / energy efficiency policies and resource efficiency policies appear to be largely <u>disconnected</u>.
- Tentative initiatives to explore other areas of <u>synergy</u> / co-benefits

Some key findings /2

- Measuring and monitoring is a challenge, but there are examples of pioneering work in <u>economic sectors / industry</u>
- Limited attention paid to changing the way we live and to making consumption patterns more sustainable
- The <u>services sector</u> accounts for more than 70% of most economies' GDP and yet, it seems to receive limited attention
- Few countries reported to already have a <u>circular economy</u> <u>strategy</u> or an action plan; more on the way.
- Increasingly, there are examples of resource efficiency oriented initiatives at a <u>local or regional level</u> (i.e. province) that go beyond green public procurement



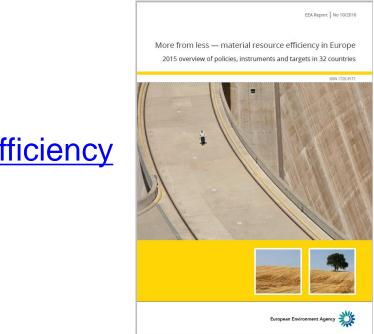
International Resource Panel

- Set up in 2007, the <u>International Resource Panel</u> consists of world renowned scientists.
- It is a unique science-policy interface on the sustainable management of natural resources.
- The Panel investigates critical resource issues to develop <u>practical</u> <u>solutions for policymakers, industry and society</u>.
- <u>Topic covered</u> include resource efficiency, decoupling, environmental impacts, trade, land and soils, water, biofuels, cities, metals, and food
- A wide range of reports and analyses for the policy-makers is available at the International Resource Panel webpage:

http://www.unep.org/resourcepanel/KnowledgeResources/AssessmentArea sReports/tabid/133328/Default.aspx



Thank you !



www.eea.europa.eu/resource-efficiency

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