



Resource Efficient Economy and the Environment Studies in Turkey

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April 2018
Budapest

Özlem DURMUŞ is the EEA National Reference Center for
Resource efficient economy and the environment

She is working



REPUBLIC OF TURKEY
**MINISTRY OF SCIENCE,
INDUSTRY AND TECHNOLOGY**
DG FOR PRODUCTIVITY

National Reference Center:

- MoSIT (DGP) Directorate General for Productivity has been designated as the **National Reference Center** for the topic: «Resource Efficient Economy and Environment» in **March 2015**
- Coordinating the study:

«Catalogue of material resource efficiency policies, objectives and targets (MAPW 2014-2018)»

NRC&PCPs/National Working Group members

Project Manager: Mr. Pawel Kazmierczyk (EEA)

Task Manager: Mr. Theo Geerken (ETC/WMGE)

Country Coordinator/NRC: Ms. Özlem Durmuş
(Ministry of Science, Industry and Technology, DG
Productivity)

National Working Group Members/PCPs:

- Ms. Belma Üstünişik (Ministry of Development)
- Ms. Gülsevil Bahçeli (Turkish Statistical Institute)
- Ms. Fatmanur Cebecioğlu (NFP), Ms. A. Banu Gözet, Mr. Gökşin Tekindor and Ms. Tuğçe Yüksel İrfanoğlu
(Ministry of Environment and Urbanization)

Work accomplished:

- circulated the EEA Questionnaire to relevant institutions/stakeholders
- collected and compiled the country information
- completed the missing information through research and analysis of the policy documents
- both separate research of the PCPs and consultations in several working group meetings

Work accomplished through:

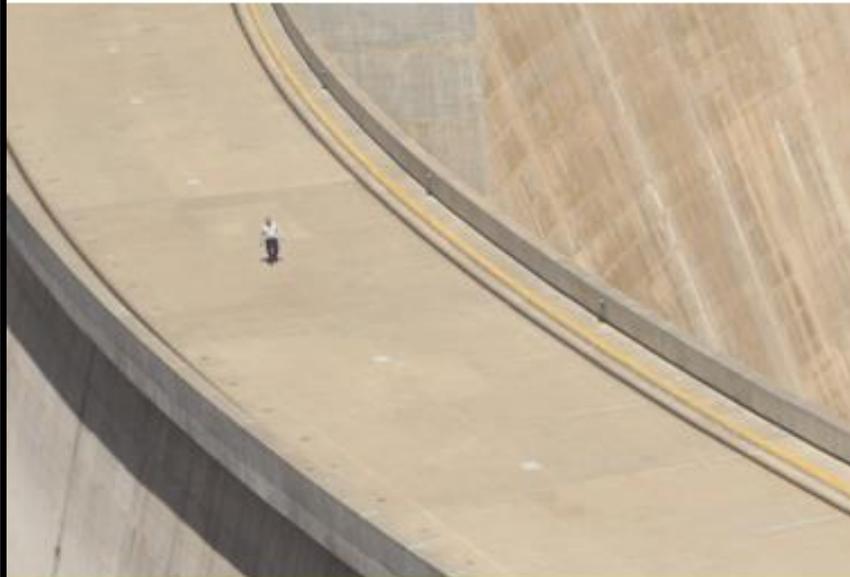
- in close cooperation/consultation with the EEA/ETC Project Team
- with stakeholder involvement as much as possible
- prepared the 1st draft
- prepared the 2nd draft
- reviewed and approved final reports

Main Outcomes: 2 Reports

Country profile

More from less — material resource efficiency in Europe

2015 overview of policies, instruments and targets in 32 countries

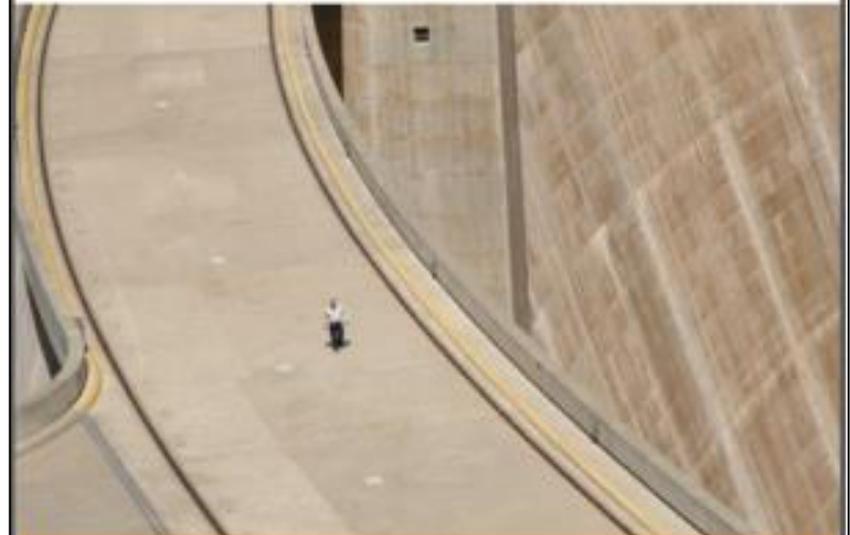


Turkey 
May 2016

Contribution

More from less — material resource efficiency in Europe

2015 overview of policies, instruments and targets in 29 countries



10th Development Plan (2014-2018)

[http://www.mod.gov.tr/Lists/DevelopmentPlans/Attachments/5/The%20Tenth%20Development%20Plan%20\(2014-2018\).pdf](http://www.mod.gov.tr/Lists/DevelopmentPlans/Attachments/5/The%20Tenth%20Development%20Plan%20(2014-2018).pdf)

- a fundamental/wider perspective for natural resources
- sets the framework for more focused strategies, programs and action plans
- several targets for natural resources through its Priority Transformation Programmes

Priority Transformation Programs:

- Enhancing Productivity in Production
(efficient use of non-energy inputs)
- Reducing Import Dependency
(collection, separation, 3R of domestic scrap)
- Increasing Domestic Saving and Avoiding Waste
(sustainable consumption, market surveillance)
- Energy Efficiency Improvement
(industry/buildings /transports; sets specific targets)
- Enhancing Efficiency of Water Use in Agriculture
(water efficiency, water pricing, water budgets for watersheds)

Policy framework for resource efficiency

Strategies and Action Plans:

- Input Supply Strategy and Action Plan
(reducing import dependency through efficient use of domestic resources and recycling; domestic supply of iron and steel scrap, more efficient use of domestic mines)
- Productivity Strategy and Action Plan
(material resource efficiency and energy efficiency)
- National Eco-Efficiency and Cleaner Production Programme
(increasing resource efficiency throughout the whole lifecycle of the product, preventing waste at source)
- Energy Efficiency Strategy Paper
(strategic goals and specific targets)
- National Recycling Strategy and Action Plan
(consciousness, legislation, infrastructure, financial mechanisms, governance)
- National Watershed Management Strategy
(waste use efficiency and water savings)
- EU Integrated Environmental Approximation Strategy
(rational and sustainable use of natural resources-i.e.water, energy)
- SME Strategy and Action Plan (promoting industrial symbiosis)

Laws and Regulations:

- Energy Efficiency Law (2007)
(sets principles and procedures)
- By-Law on Waste Management
(2008/98/EC Waste Framework Directive, 3Rs, waste minimization, specific targets)
- Regulation on Packaging and Packaging Waste (2011)
(294/62/EC Packaging and Packaging Directive, annual recovery targets for glass, plastics, metals, paper/cardboard, wood)

Institutional setup for resource efficiency

- Ministry of Development,
- Ministry of Science, Industry and Technology,
- Ministry of Energy and Natural Resources ,
- Ministry of Environment and Urbanization,
- Ministry of Forestry and Water Affairs,
- Ministry of Economy,
- Ministry of Food, Agriculture and Livestock,
- Ministry of Transport,
- Turkish Statistical Institute,
- Turkish Water Institute and Water Management Coordination Board

Good practise example from Turkey:



Box 10.3 Measuring water use efficiency, Turkey

The Ministry of Science, Industry and Technology in Turkey launched a new set of indicators in 2015 to monitor sustainable production trends in the Turkish manufacturing industry. Sustainable production indicators are designed as the ratio of several environmental parameters to the economic variable (value added at constant prices), to measure the use of a resource — in this case water — and the pollution generated per unit of economic output. Indicators are also expected to show whether there has been any decoupling of water use and pollution generation from economic growth.

For further information, see country profile.

Country Case: Manufacturing Industry Sustainable Production Indicators (MISPI) by MoSIT DGP

<http://vi.sanayi.gov.tr/sug/En/default.aspx>



Republic of Turkey
Ministry of Science, Industry and Technology
Directorate General for Productivity



MANUFACTURING INDUSTRY SUSTAINABLE PRODUCTION INDICATORS

Directorate General for Productivity calculates national productivity statistics depending on its mission of measuring national productivity, comparing productivity with other countries and publishing them periodically, as specified by the law no. 649.
..continue

Waste Intensity Indicators	Greenhouse Gas Intensity Indicators	Water Productivity Indicators	Waste Recovery Rate	Environmental Expenditure And Employment
				

 Official Statistics Portal

 Newsletters

Eionet workshop on resource efficient circular economy

(Copenhagen, 20-21 October 2016)

13:30 -15:00 Parallel group breakout Session (#3) – Exchanging good practice and lessons learned (*Conference Room, Creative Space, 8.0.6*)

Presented in this bloc will be examples of good practice included in the More from Less report, which Eionet members, during the mini consultation in July 2016, requested to learn more about

Group #3a FOOD WASTE

AUSTRIA: Food is precious (Mr. Christoph Lampert, UBA Austria)
IRELAND: Preventing Food Waste in Ireland (Mr. Shane Colgan, Environmental Protection Agency, Ireland)
PORTUGAL: Movimento Zero Desperdicio (Ms. Paula Policarpo)

Moderator: **Mieke De Schoenmakere**
Conference room

Group #3b SECTORS AND MATERIALS

BELGIUM-Flanders: Circular economy in the construction sector (Ms. Lieze Cloots, OVAM Belgium)
FRANCE: Extended producer responsibility in the furniture sector (Mr. Sylvain Chevassus)
UNITED KINGDOM: North Sea Resources Roundabout initiative (Mr. Simon Johnson, DEFRA)

Moderator: **Jeroen Gillabel**
Room 8.0.6

Group #3c MEASURING PERFORMANCE IN SECTORS

DENMARK: Monitoring the economic efficiency of resource use in different sectors (Ms. Birgitte Jørgensen Kjær)
NETHERLANDS: measuring progress towards CE in product chains (Ms. José Potting, PBL Netherlands)
TURKEY: Sustainable Production Indicators for Turkish Manufacturing Industry (Ms. Özlem Durmuş, Ministry of Science, Industry and Technology)

Moderator: **Theo Geerken**
Creative space

Current Studies for new report

- 1st draft for More from less – Material resource efficiency in Europe have been sent to EEA in March.

Thank you...

For detailed information:

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