



Strategy and policy framework for support of resource efficiency in industry in Germany

PRESOURCE Transnational Workshop
Prague, February 7th 2014

1. Why dealing with RE?

➡ Challenges & NSD

2. ProgResing with RE in Germany

➡ ProgRes

3. Linking up to the European Agenda

➡ EREP and agency network

- **Materials** account for **43% of costs** in German manufacturing sector
- **Rising and highly volatile prices**
 - 85% of German entrepreneurs report a moderate or even dramatic rise in material costs in last 5 years
 - 97% expect rising costs in future
- **Germany depends on imports of raw materials**
 - Germany is rich in minerals, but 66,8 % of metals are imported
- **Secure resources supply and resource efficiency**

Decoupling of economic growth and resource consumption and absolute reduction of resource use and its impact on the environment

- Doubling of the abiotic material productivity by 2020 based on 1994 (indicator GDP/abiotic DMI)
- Doubling energy productivity by 2020 compared to 1990 (indicator GDP/TPES)
- Reduction of land sealing to the daily growth of 30 ha in 2020 (indicator increase in sealed area per ha and day)



The German Resource Efficiency Programme (ProgRess)

Adopted in February 2012 by entire government

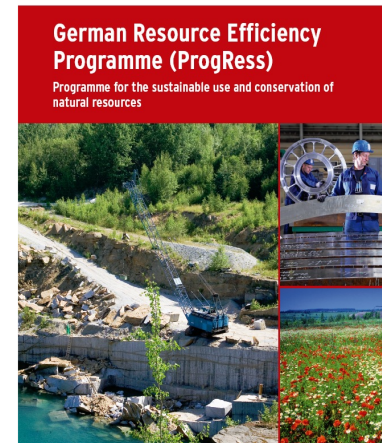
Goals:

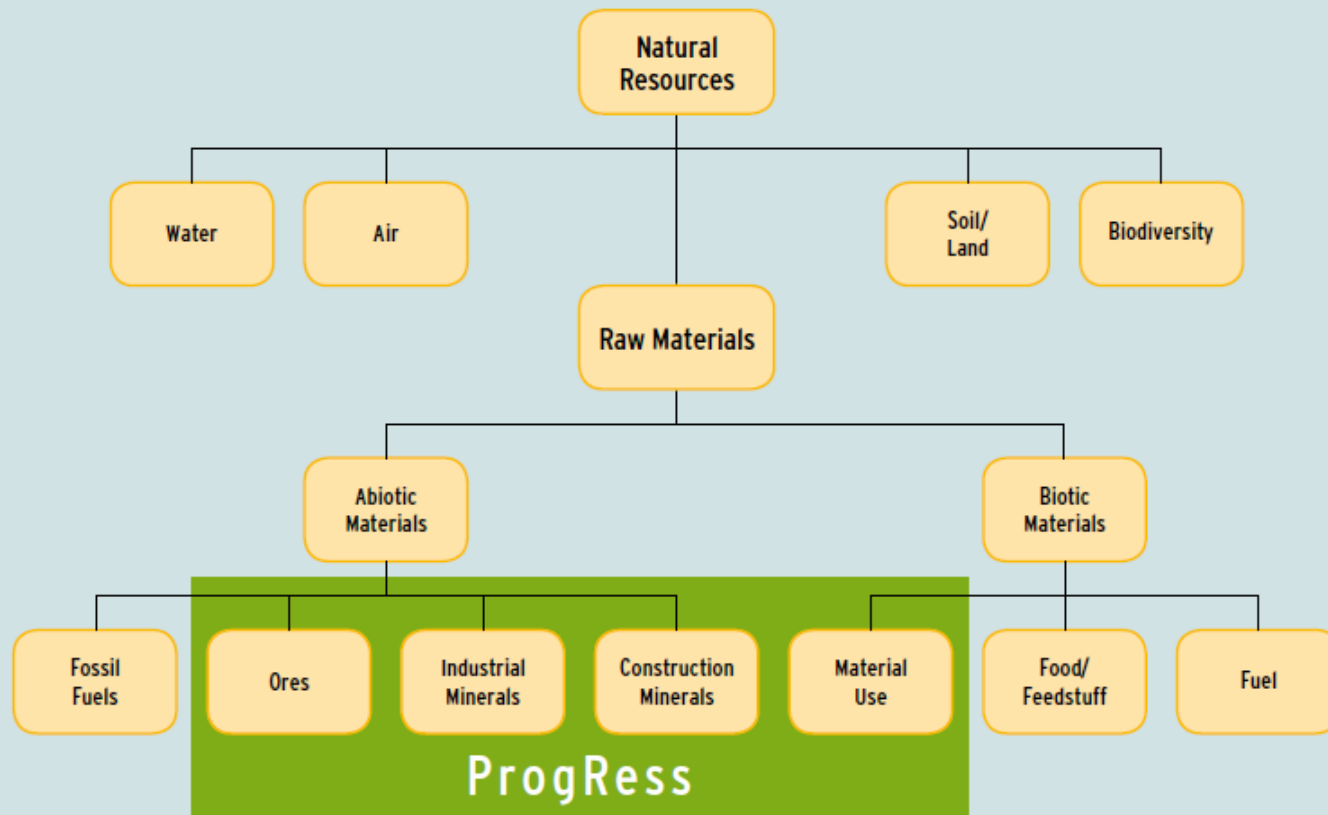
- **Decouple** economic growth from resource use
- **Reduce** environmental impacts of resource use
- **Improve** the sustainability and competitiveness of the German industry

Impacts along the whole value chain

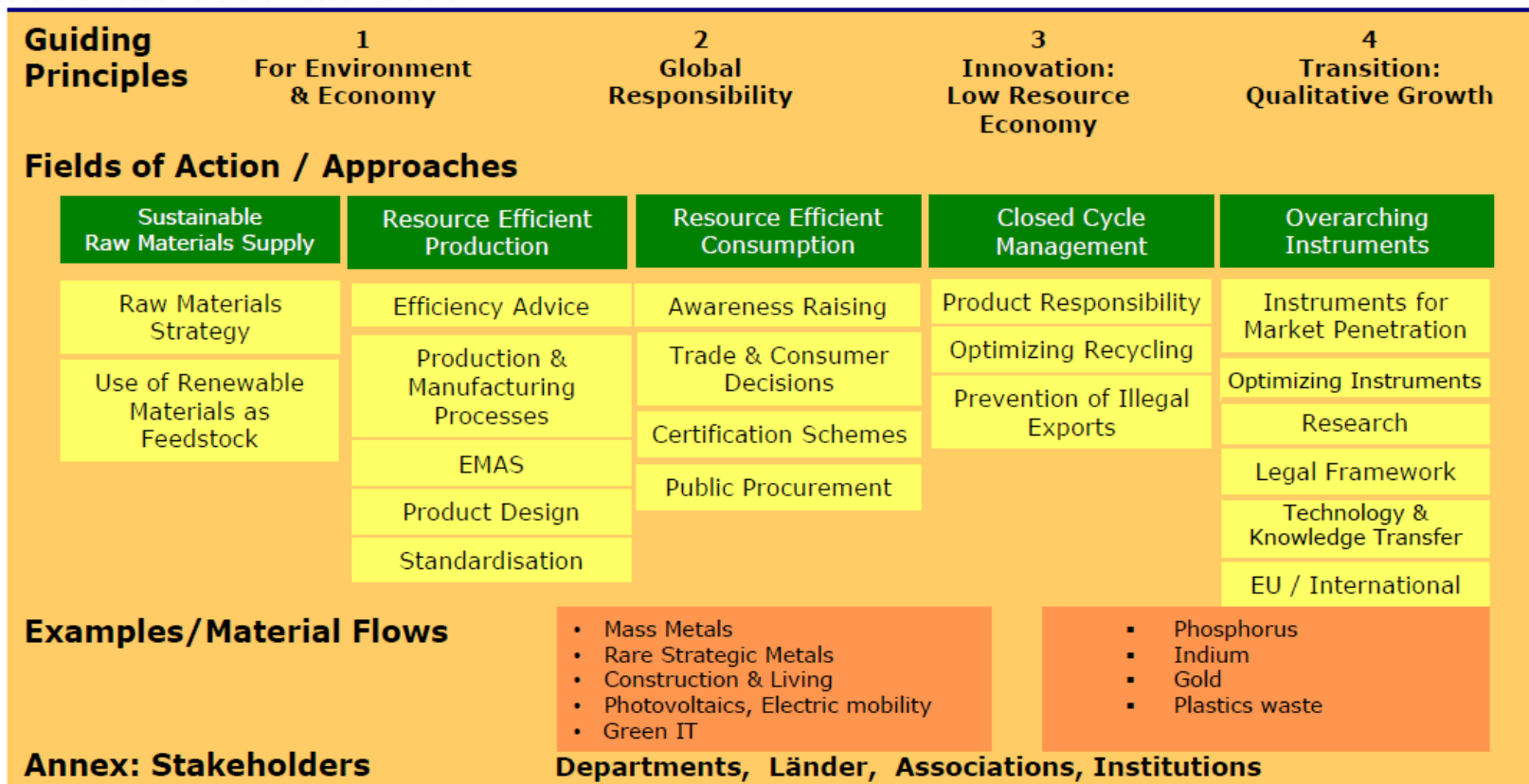
- raw materials supply
- production and product design
- consumption
- closed cycle management

 Federal Ministry for the Environment, Nature Conservation and Nuclear Safety





Source: ffu/IFOK commissioned by the BMU



- Fostering overall commitment: **Broad stakeholder involvement** (series of stakeholder roundtables)
- Getting a **balance** between **regulatory +fiscal instruments** and **voluntary measures +information instruments**
- Well-balanced argumentation on **economic and ecological motivations and advantages** of RE is essential for a successful implementation
- Addressing RE along the **whole value chain with concentration on raw materials** beneficial for starting the process, but **interlinkages** to other natural resources and strategies should be clearly demonstrated
- **Concrete and widely accepted targets** (NSD) very advantageous in developing and discussing the strategy
- **Mix of Support for SMEs needed**: Capacity building and knowledge transfer through efficiency advice of SMEs, research funding and innovation programmes

- 2010: Europe 2020 Strategy
- 2011: Flagship initiative Resource efficient Europe
- 2011: EEA report on current status RE in EU
- 2011: Roadmap to a resource efficient Europe
- 2012: Resolution of the European Parliament on a resource-efficient Europe
- June 2012: **European Resource Efficiency Platform**
- Oct 2012: **Initiative for an EU-wide network of Agencies**

High-level advisory body of stakeholders, members:

- invited by Commissioner Potočník
- acting in personal capacity :
 - 5 European Commissioners (Environment, Enterprise, Economy, Taxation, Climate)
 - 4 MoEP of major political parties
 - 4 national Ministers for Environment (Denmark, Estonia, Italy, Germany)
 - 3 international organisations (UNEP, OECD, UNIDO)
 - Industry (7), academia (3) and civil society (4), local authorities
- Two-year mandate 2012-2014, could be extended

Goal:

- (non-binding) recommendations on implementation of Roadmap

Tasks:

- high-level guidance on **transition** process towards a more resource efficient economy.
- recommendations on **realisation** of RE-Roadmap.
- advice on policy **instruments** and governance **structures**.
- propose **indicators** and **targets**

„Action for a Resource-Efficient Europe“ (June 2013)

http://ec.europa.eu/environment/resource_efficiency/documents/action_for_a_resource_efficient_europe_170613.pdf

Set of short-term recommendations to EU, MS and industry

1. Indicators and targets
2. Company reporting on resource efficiency aspects
3. Phasing out of environmentally harmful subsidies
4. Circular economy and high-quality recycling
5. Resource efficiency in the industrial value chain (B2B relations)
6. Coherent product policy framework
7. Green public procurement
8. Developing Instruments for small and medium-sized enterprises (SME)

2nd set of (long-term) recommendations expected end of March 2014

Initiative for an EU-wide network of Agencies taken by

- Waste & Resources Action Programme (WRAP, UK)
- VDI Centre for Resource Efficiency (VDI ZRE, Germany)

Meetings in Berlin (Oct' 2012), Brussels (Feb' 2013/ Jan' 2014);

Next Meeting scheduled on November 10th, 2014 in Berlin.

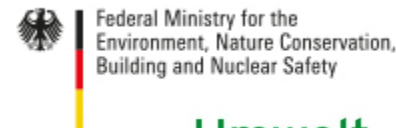
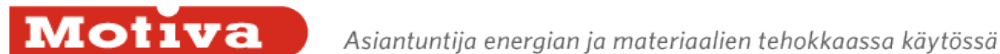
- ✓ **Exchange experience** and best practice
- ✓ Create an **EU-wide network**
- ✓ Discuss establishment of
European Competence Centre

Organisations participating at meeting in Brussels on 15 Jan 2014:

CLUSTERLAND
OBERÖSTERREICH GmbH



lebensministerium.at



PRESOURCE Current Activities (Selection)

Tool Kits	Eco-Design (OVAM), Eco-Efficiency (OVAM), Material Efficiency Audit (Finland), Resource Checks, Process Chains and Innovation radar (VDI ZRE), Self Check (demea, efa+)
Training	RE Qualification courses (VDI ZRE, efa+), Development of content for universities and vocational education (VDI ZRE)
Information	Resource Efficiency Indicators (ETC-SCP), Out of Europe Resource use (ETC-SCP), Waste Statistic (ADEME), Database of Resource Efficient Products and Services (VDI ZRE), Movies (VDI ZRE), VDI Guidelines on RE (VDI ZRE), Communication campaign (VDI ZRE)
Case Studies	Resource Efficiency Clusters /Networks (Clusterland Oberösterreich), SME Leaderships Groups (Agentschap NL), Netzwerk Ressourceneffizienz (VDI ZRE; demea, UBA), Consultancy projects (ihobe, demea, efa+)
Sectors covered	Manufacturing (VDI ZRE, demea, ihobe, efa+), Construction (WRAP, VDI ZRE), Retail (WRAP), Water (ESKTN), Waste (WRAP+ others)
Direct support	Innovation Fund (ADEME), Innovation Challenge (Austria), SME Hub (WRAP), Industrial Symbiosis (WRAP, Motiva), Umweltinnovationsprogramm (UBA)

Thank you for you attention.

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