

Support Mechanisms for Resource Efficiency in Small and Medium sized Enterprises in Germany

Transnational Workshop on Institutional Support Schemes and Structures



September 13th, 2013 | Budapest | VDI ZRE

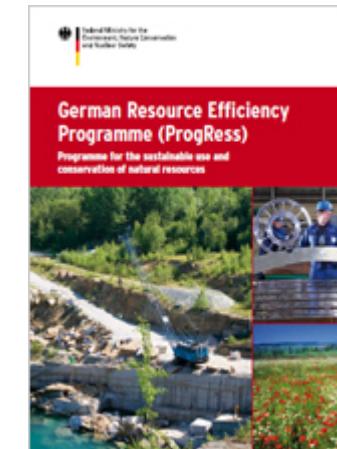


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PRESOURCE Motivation for RE-Support for SME

The German Government wants to increase RE in SME. Relevant political documents include:

- National Strategy for Sustainable Development (2002)
- National Raw Material Strategy (2010)
- German Resource Efficiency Programme (ProgRess), (2012)



PRESOURCE Policy Toolkit

Existing technological and organisational solutions for more resource efficiency are not sufficiently implemented (recycling, substitution, savings).

Different policy elements can accelerate the development:



Regulation	Financial/ Fiscal Instruments	Participatory Instruments	Information
- standards - prohibitions	- subsidies - taxes/ fees - cap and trade	"Participatory " or "voluntary" instruments, such as sectoral agreements refer to the self-organisation of market actors, including e. g. private standards and labels.	- Provision of scientific and technological knowledge - Funding information - Labelling

PRESOURCE Regulative Instruments

They provide support by setting a common framework of action. They include:

- Acts implementing the Ecodesign and the Labelling Directive of the EU
- Acts implementing the Waste Framework Directive and the Waste Electrical and Electronic Equipment Directive

Common Level Playing Field

PRESOURCE Financial Instruments: Subsidies

The German Government and the Federal States amongst others support SME in improving their RE by (co-)financing specific actions. Examples include:

- The support measure “r4 - Innovative Technologien für Ressourceneffizienz – Forschung zur Bereitstellung wirtschaftsstrategischer Rohstoffe” of the Federal Ministry of Education and Research.



PRESOURCE Financial Instruments: Subsidies

Examples include:

- The Central Innovation Programme SME (Zentrales Innovationsprogramm Mittelstand – ZIM) of the Federal Ministry of Economics and Technology.

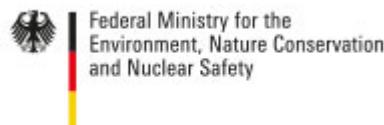


WIRTSCHAFT.
WACHSTUM.
WOHLSTAND.



PRESOURCE Financial Instruments: Subsidies

Examples include:



- The special focus “material efficiency in production” of the “Umweltinnovationsprogramm - UIP”, managed by the Federal Ministry for the Environment (BMU), Nature Conservation and Nuclear Safety, the Federal Environment Agency (UBA) and the German Credit Institution for Reconstruction (KfW) .

PRESOURCE Financial Instruments: Subsidies

Examples include:



- Different programmes of the German Credit Institution for Reconstruction (KfW), especially for efficiency-oriented insulation of buildings, but also especially for RE in SME (Umweltprogramm).
- Deutsche Bundesstiftung Umwelt DBU/ Federal German Environment Foundation.



PRESOURCE Participatory Instr.: Networks

The Government supports private initiatives by participating at and facilitating networks.

- Different constellations of private actors, enterprises, science, NGOs, public institutions etc.
- Different purposes: information exchange, industrial symbiosis, initiation of cooperation projects and more.



PRESOURCE Participatory Instr.: Networks

An example for networks in Germany is the German Resource Efficiency Network NeRess, supported by the MoE, operated by VDI ZRE

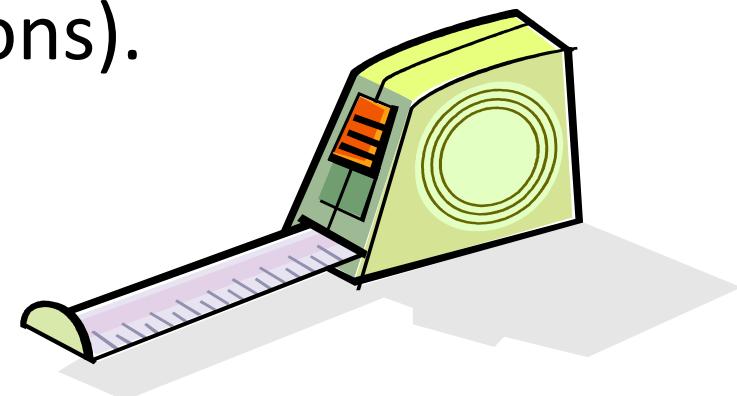
- Webplattform, designed to facilitate exchange
- Two big conferences per year
- Many regional conferences adapted to local needs organised in cooperation with partners, e. g. chambers of commerce



PRESOURCE Participatory Instr.: Standards

The German Government supports private actors in their standardisation activities, especially the work of DIN – German Institute for Standardisation:

- Specific set of stakeholders is consulted (from science, industry and associations).
- Very broad application
→ significant impact.



PRESOURCE Participatory Instr.: Standards

The German Government supports private actors in their standardisation and labelling activities, e. g.:

- Guidelines of the German Association of Engineers, VDI, to measure RE in SME (participation of experts from UBA, backing by pol. statements).
- Organisational and political support of private labelling initiatives, e. g. PRO PLANET label of the REWE Group.



PRESOURCE Participatory Instr.: Env. Man.

The German Government is actively supporting the proliferation of environmental management schemes as e. g. EMAS:

- Wide range of consulting activities and support in form of conferences, workshops, information etc.
- Operation of the German EMAS Advisory Board



PRESOURCE Information Instruments: Consult.

The German Government and the Federal States support a wide variety of consulting activities, e. g. implemented by the following institutions:

- German Agency for Material Efficiency



- Rationalisation and Innovation Centre of the German Economy (central/ de-central)



- VDI Centre for Resource Efficiency



PRESOURCE Information Instruments: Consult.

The German Government and the Federal States support a wide variety of consulting activities, e. g. implemented by the following institutions:

- Efficiency Agency North Rhine-Westphalia
- Rhineland-Palatinate, North Rhine-Westphalia and Hesse support the PIUS-Platform and Netw.

EFFIZIENZ
AGENTUR
NRW



PRESOURCE Information Instruments: Consult.

The German Agency for Material Efficiency demea is financed by the Ministry of Economics. It offers among others:

Expert advice on resource and material efficiency to SME in the manufacturing sector by authorised qualified consultants under the programme “BMWi Innovation Bonus (go-inno)”.

go-inno

PRESOURCE Information Instruments: Consult.

VDI ZRE is financed by the German MoE and offers:

Process chains

The screenshot shows a complex industrial process flowchart titled "Prozessketten Gildetechnik". It illustrates various stages: Rohstoffe (Raw materials) leading to Metallurgie (Metallurgy), which then leads to Gildetechnik (Gilding). Other paths include recycling and energy generation. A legend at the bottom defines symbols for Rohstoffe (Raw materials), Prozessschritt (Process step), and Metallurgie (Metallurgy).

Resource Checks

The screenshot displays the "Ressourcencheck-Basismodul" interface. It features a central text area with a list of reasons to use the check, such as cost reduction and environmental improvement. Below this is a "Ressourcencheck starten" button. To the right, there's a collage of images related to resource efficiency and a "Ressourcenradar" section.

Innovation Radar

The screenshot shows the "Innovationsradar" section. It includes a large image of a satellite dish and a radar-like graphic. Below the graphic, two specific projects are highlighted: "Ressourceneffizienz Konzept bei der Wärmebehandlung von Blattmetallen" and "Neues Leichtbausystem nutzt Ressourcen effizienter". Each project has a "MEHR" button for more information.

Database

The screenshot shows a search results page for "Gießerei" (Casting). It lists several entries, each with a thumbnail, title, and brief description. Examples include "Ingenieurbüro Dr. Guttland" and "ADMIC Recycling GmbH". The interface includes filters for "Wissen", "Adresse", "Filme", and "Seiten".

Efficiency Map

The screenshot shows a map of Germany with various regions marked by blue dots. A legend indicates that these dots represent different efficiency levels. A callout box provides a detailed view of one region, showing a map with specific location markers and a list of nearby towns.

Movies

The screenshot shows a video player interface for a video titled "Ein Netz aus Wärme" (A network of heat). The video duration is 15:41. Below the video, there's a brief description and a "Weitere Informationen / Details" link. The interface includes navigation buttons and a search bar.

Qualification

The screenshot shows an announcement for a seminar titled "Beraterqualifizierung Ressourceneffizienz 2011". It includes a photo of a worker in a foundry and a detailed description of the seminar's purpose and target audience.

VDI-Handbook Resource Efficiency

The screenshot shows a flowchart of the "Methodische Grundlagen der Bewertung von Ressourceneffizienz" (Methodological foundations of the assessment of resource efficiency). It outlines the process from March 2011 to June 2011, involving various VDI committees and the final publication of the handbook.

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PRESOURCE Thanks for your Attention

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