PRESOURCE

Country Report 3.1.7.

Tools that are designed to identifying and exploiting the potential for resource efficiency within the production process and life enterprise and their unwanted shift into pollution in Hungary

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Content

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1. Preface

Corvinus University of Budapest has conducted in the framework of the PRESOURCE project (www.presource.eu) a desk research on existing tools already utilized in Hungary for providing support to entrepreneurs and intermediaries in the field of resource efficiency in SMEs in a partner country.

This country report for Hungary summarizes the findings of this research. It focuses on innovative tools, which are:

- Utilised to identify and/or to explore resource efficiency potential (or which contribute to this goal);
- Utilised within SMEs by enterprises themselves and/or by third parties which assist SMEs in order to achieve particular changes / innovations.

We were not interested in general instruments as described for example within ISO standards (like for example ISO 14001 for environment management systems) but rather focused on tools utilised in particular to increase resource efficiency in enterprises of the manufacturing sector.

We had expected that there would exist similar tools under different names in the 6 participating PRESOURCE countries (Germany, Czech Republic, Poland, Austria, Hungary and Italy). Therefore e.g. the tools we collected in Hungary in the field of energy auditing / energy efficiency (e.g. the CARE+ tool) will be cross-checked with tools from the other countries in order to avoid unnecessary duplications in the analysis.

This is important as all these results shall be used in the development of the EDIT VALUE tool (Eco-innovation Diagnosis and Implementation Tool for Increase of Enterprise Value).

The EDIT tool shall be based on an objective approach assisting SMEs in answering question where to allocate limited resources which can be devoted to increasing resource efficiency through use of so called “voluntary instruments” of industrial management for sustainable development. It will be developed as a multi-criteria decision support system helping SMEs within production sector to explore resource efficiency potential both within their production processes as well as within the life cycle of their products.

Within the EDIT tool all levels of an enterprise’s management pyramid[1] shall be assessed in a systematic way from the perspective of possible resource efficiency opportunities for improvements,

[1] We distinguish the following basic levels within a management pyramid: stakeholders, vision and objectives, strategy, management system, production process and products

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which could enhance enterprise's value. That's why the current country report for Hungary also comprises different levels within this management pyramid.

In this respect the current country report on tools constitutes the first step in the development of the EDIT tool.

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2. List of Resource Efficiency (RE) related tools in Hungary

2.1. Young graduates for cleaner production

Description: The purpose of this tool is to support SMEs by sending young environmental specialists for an internship. The aim of the program is twofold:

- provide routine for young environmental specialists and to help them in finding a suitable job
- provide knowledge on environmental best practices and simple environmental management tools for SMEs

Author / user / source of information: Hungarian Cleaner Production Centre

Relevance for EDIT tool:

- process level
- promotes resources efficiency
- SME friendly
- requires university background

2.2. Good housekeeping

Description: Good housekeeping refers to a number of practical measures that satisfy companies' expectations to enhance their overall productivity,
reduce their costs and mitigate their environmental impacts.

Author / user / source of information: UNEP

Relevance for EDIT tool:

- process level
- promotes resources efficiency
- SME friendly
- established, simple tool

2.3. Ecomapping

Description: Ecomapping is a creative process of scanning environmental impacts, problems and practice in SMEs of all kinds, but mainly for those in the production and service sectors. It requires basically only observation, judgement, communication, patience and very little documentation. It helps setting targets and monitoring progress in environmental performance as well as in the training and raising awareness of employers, managers and workers. Different maps (water, energy, air, soil, noise, wastes) create a useful multi-layer set of graphical information and lead immediately to environmental action programs.
Követ-Inem Hungary

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Author / user / source of information: www.kovet.hu, http://www.ecomapping.com

Relevance for EDIT tool:

- process level
- promotes resources efficiency
- SME friendly
- established, simple tool

2.4. EMAS EASY

Description: EMAS Easy aims to assist SMEs (as well as local municipalities) to implement and use EMAS and not to be blocked by administrative burdens and high costs. The 'EMAS Easy' capacity-building project was started in Hungary in March 2005, to show Hungarian SMEs a simpler way to achieve EMAS. Ten Hungarian companies and one Romanian company participated in the Hungarian EMAS Easy project.

Author / user / source of information: Követ-INEM Hungary (Követ)
www.kovet.hu,
www.inem.org,
http://ec.europa.eu/ environment/emas/toolkit/

Relevance for EDIT tool:

- system level
- designed for SMEs
- available references

2.5. Environmental weather mapping

Description: A very basic tool for beginners in environmental management to gain a brief overview on the company's environmental situation, highlighting hot spots. It is a questionnaire-based tool, covering the main environmental aspects of organisations. Respondents (who are different company members) have to evaluate the present company situation in the specific fields (e.g. usage of different raw materials, waste management, management of emissions, risk management, communication, overall situation etc.) by using a weather forecasting symbol (from sunny to stormy). International Network for Environmental Management (INEM)

Author / user / source of information: http://www.inem.org

Relevance for EDIT tool:

- very simple
- SME friendly

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2.6. AWARD FOR FINANCIALLY FEASIBLE ENVIRONMENTAL SOLUTIONS - "MONEY BACK THROUGH THE WINDOW"

Description: The purpose of this tool is to demonstrate financial and environmental savings emerging from environmental projects at companies. It gives a brief overview of:

- measures applied,
- timeframe of the measures,
- enviromental improvement,
- financial data:

By providing an overview of many win-win innovations, it can be a great incentive for other companies to seek for returning projects in their domains.
KÖVET Association for Sustainable Economies

Author / user / source of information:
http://www.environmental-savings.com/, www.kovet.hu

Relevance for EDIT tool:

- concentrates on project within companies
- easy to communicate by company

2.7. GREENLEX

Description: Greenlex is a web-based tool designed to support environmental compliance. The user is taken through an individually tailored set of questions concerning the company's activity, covering all environmental areas, making it easy to identify and address cases of non-compliance. (The tool is based on the Hungarian legislation and is being continuously updated with any changes.)
Dandelion Kft.
Hungarian Cleaner Production Centre

Author / user / source of information: www.greenlex.hu

Relevance for EDIT tool:

- system level
- promotes compliance
- developed for SMEs
- low cost
- internet based

2.8. LIFE CYCLE MANAGEMENT NAVIGATOR FOR SMES

Description: The Life Cycle Management Navigator is a capacity building guide and decision support tool specifically designed for corporate decision-makers in small and medium sized enterprises (SMEs) worldwide. Using the Navigator helps to gain an understanding of the appropriate selection, adoption and usage of today's most important Life Cycle Management tools.

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The Navigator aims to:

- empower corporations with an understanding of the beneficial impact Life Cycle Management tools have on the bottom line
- present the basic knowledge about those tools in a comprehensive and understandable fashion
- facilitate corporate decision-makers with an appropriate application of tools.

Author / user / source of information: UNEP, http://www.unep.fr/scp/lcinitiative/publications/training/lcmnavigator/index_c.html
CSCP

Relevance for EDIT tool:

- designed for SMEs
- product level

2.9. ECOLOGICAL FOOTPRINT CALCULATOR FOR BUSINESSES

Description: This tool intends to provide information to business managers on the overall use of resources and environmental load. The use of the ecological footprint indicator can help enterprises to:

- highlight areas where measures are needed regarding environmental or sustainability management,
- demonstrate their commitment to sustainability towards employees and external parners,
- gain input for their sustainability communication.

Author / user / source of information: Dandelion Kft. http://www.dandelionkft.hu/

Relevance for EDIT tool:

- system level
- suitable for SMEs with enough data
- good communication potential
- highly fashionable

2.10. CARBON FOOTPRINT CALCULATOR FOR BUSINESSES

Description: This calculator intends to provide information to business managers on the overall use of energy and their CO_2-emissions. The tool is based on WRI nad WBCSD methodology. The use of an enterprise-level GHG-register help businesses to:

- control risks related to GHG-emissions,
- highlight areas where mitigation measures can be implemented,
- demonstrate their commitment to sustainability towards employees and external parners,

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- be able to join voluntary GHG-programmes,
- fulfil reporting obligations int he future.

Author / user / source of information: Dandelion Kft. http://www.dandelionkft.hu/

Relevance for EDIT tool:

- system level
- suitable for SMEs with enough data
- good communication potential
- highly fashionable

2.11. CARE+

Description: CARE+ is a four-step process that empowers Europe's estimated 25,000 SME chemicals producers to receive information on energy efficient technologies and training on how to improve their energy efficiency. CARE + was rolled out in 2011 by national chemicals associations in collaboration with energy efficiency service companies and some pilot SMEs. A range of tools were developed from 2008 to 2010 to help small businesses to evaluate their potential energy savings and the expected return on investment, including the Self-Audit Guide with a spreadsheet audit tool and a Manual on Best Practices. Guidance documents were then tested by SMEs and refined accordingly.
Author / user / source of information: Intelligent Energy Europe (EU) http://www.iee-library.eu , CEFIC , http://www.cefic.org

Relevance for EDIT tool:

- product/process level
- designed for SMEs

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