

## Description of the EDIT tool and its testing phase

### Applications in the Czech Republic

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Transnational Workshop, Bologna, 18/09/2014

PRESOURCE is implemented through  
the CENTRAL EUROPE Programme  
co-financed by the ERDF



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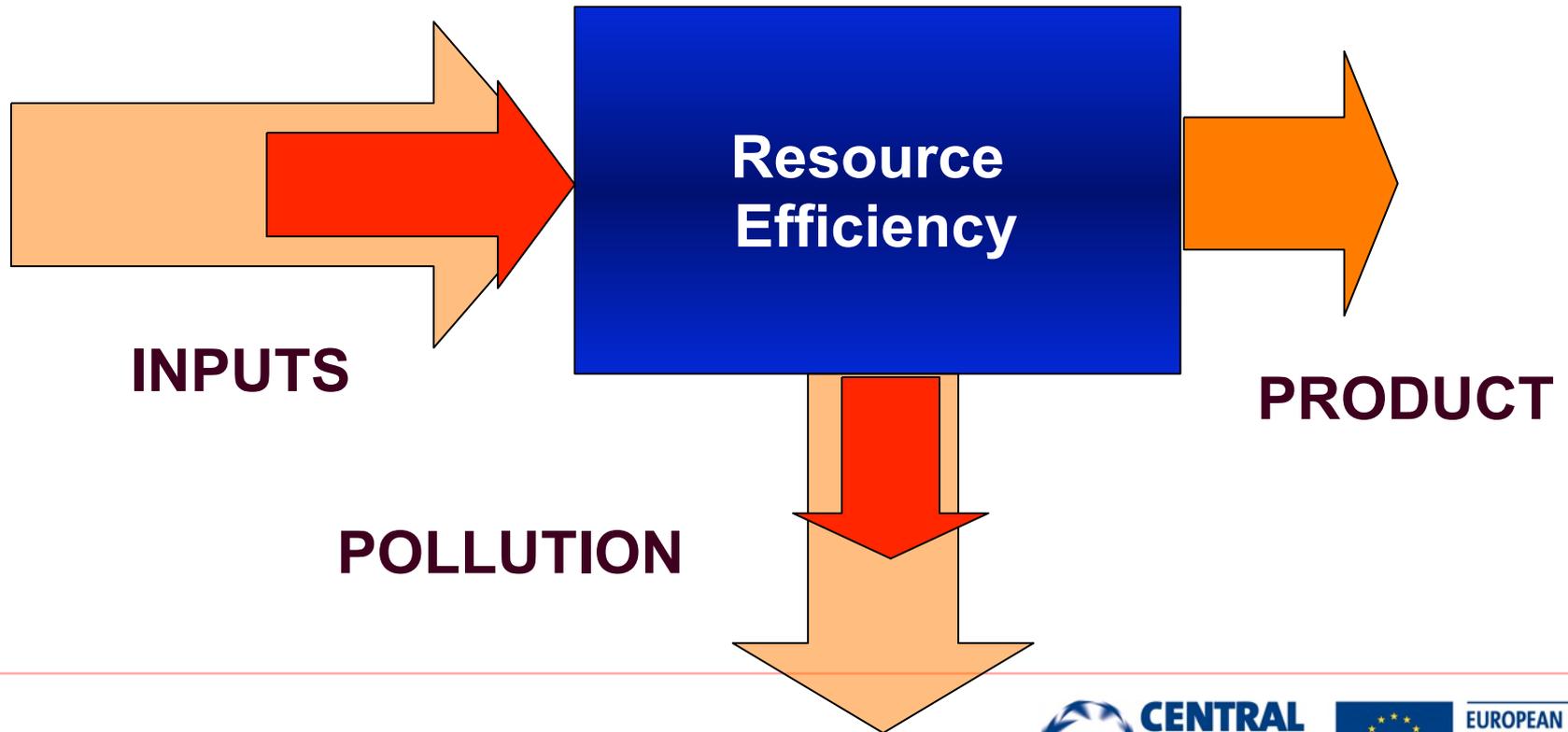
# PRESURCE **Resource Efficiency (RE)**

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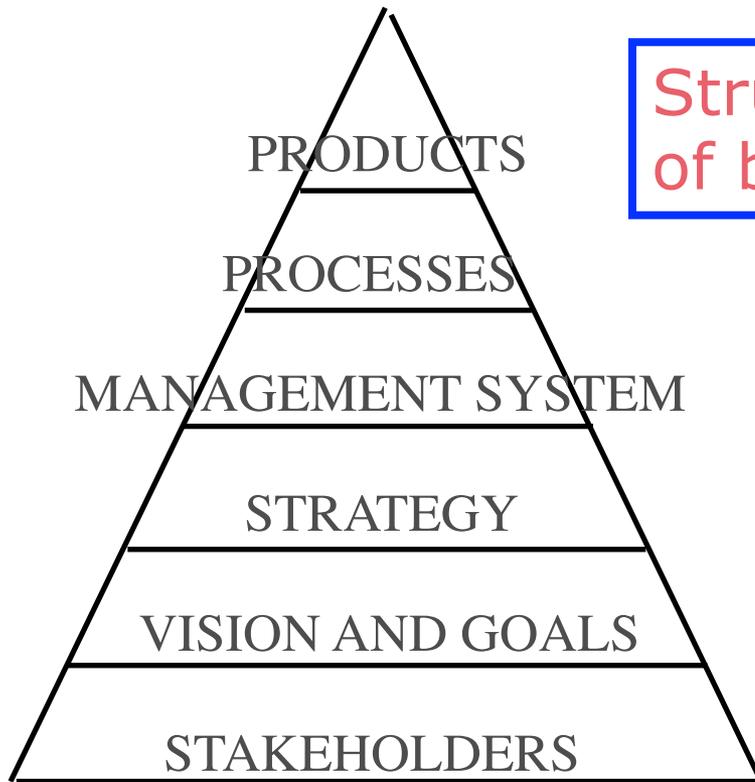
- RE reduces the use and the costs of energy, material and water in the production process and product life cycle
- RE helps an enterprise to address the conflict between desirable and undesirable impacts of an enterprise activities on interests of its stakeholders.

# Principle of preventive environmental management

and its **DOUBLE BENEFIT**



Structure of the key components of business & their relationships



# PRESOURCE **How enterprises influence Resource efficiency**



**Management Pyramid**

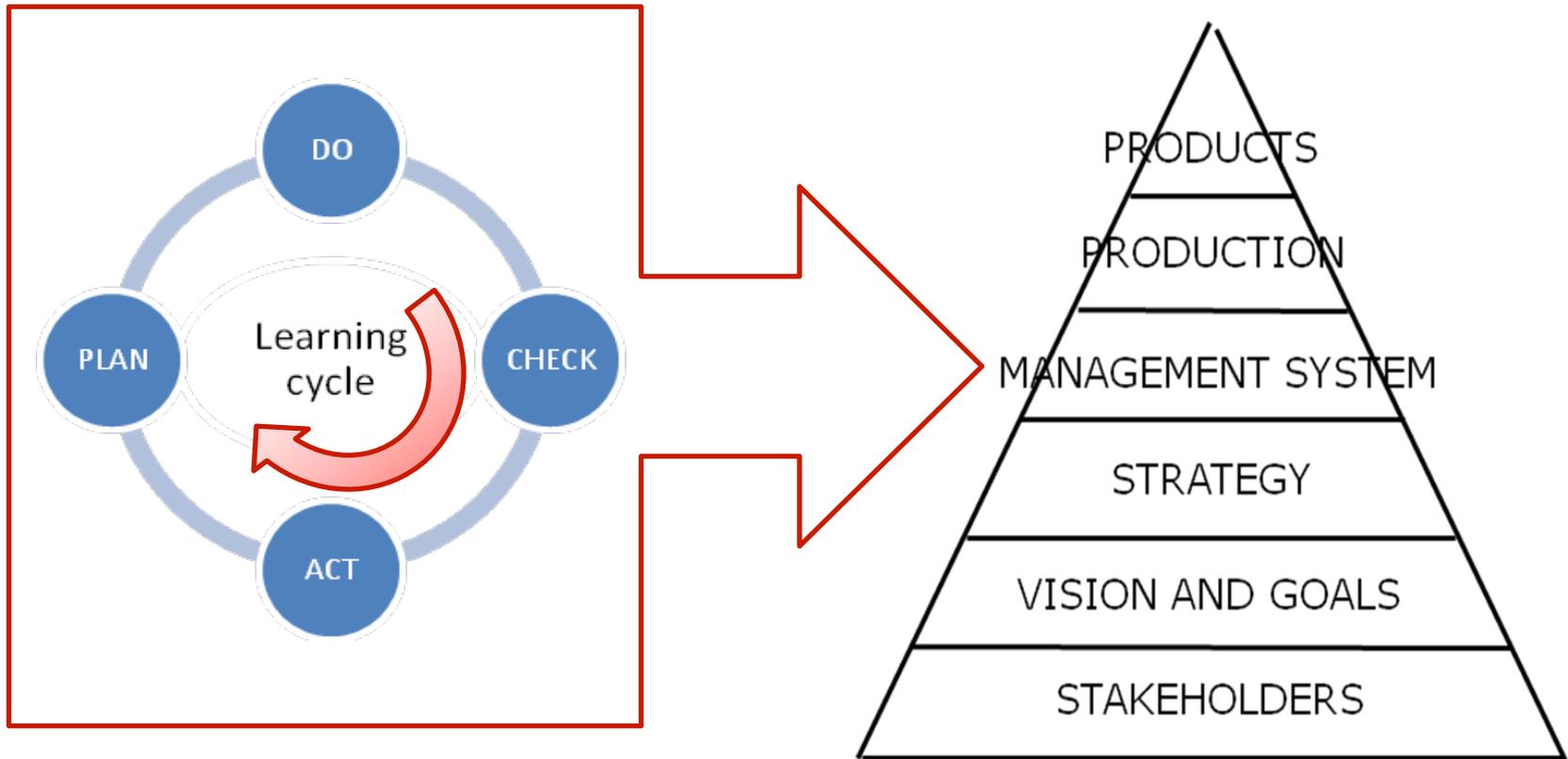
**RESOURCE EFFICIENCY (RE)** is related to material and energy flows at the physical level of a business (processes and products)

**RE is influenced by all levels of the management pyramid**

# Management Pyramid and examples of instruments for Resource Efficiency



# Elements of business are changed through learning



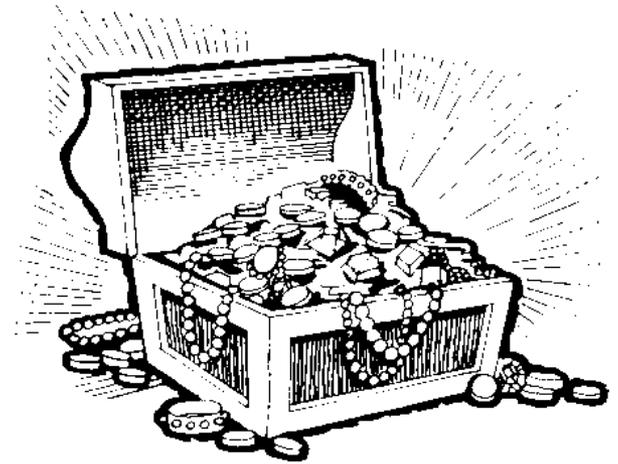
# WHAT IS EDIT?

**EDIT =**

- *Eco-Innovation*
- *Diagnosis and*
- *Implementation*
- *Tool*

*for Increase of  
Enterprise Value*

**MAP OF  
EXISTING**



## Problems of existing approaches and diagnosis tools:



- **Tool driven** (either specific tool or an „ideal enterprise“)
- **Selective** (only some levels of a business are addressed)
- **Qualitative**

## Challenge

**to develop Eco-Innovation Diagnosis and Implementation Tool** which will be:

- **Driven by the potential for improvement**
- **Complex** (addressing all levels of a business)
- **Quantitative**

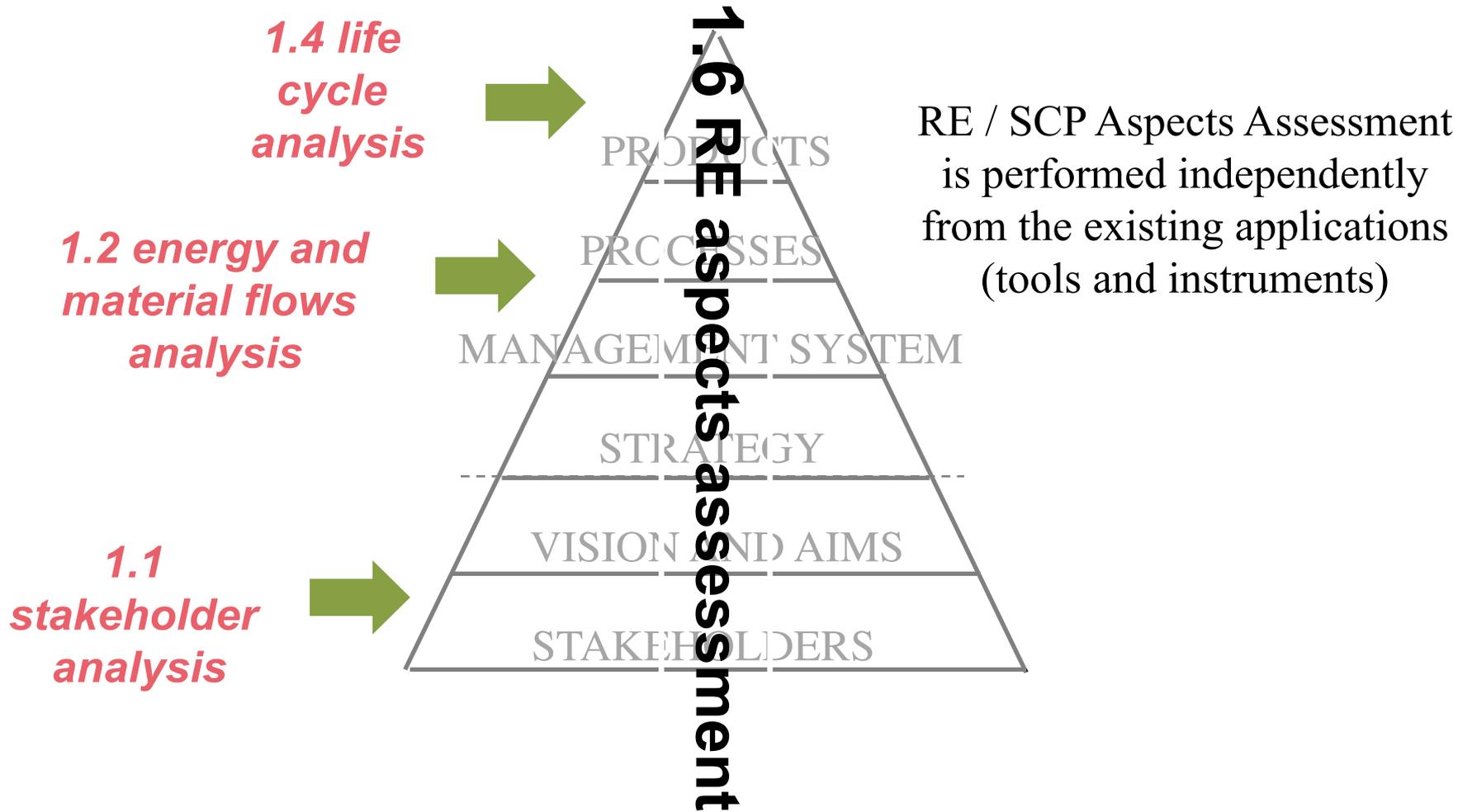
so that it will lead to an optimal increase of Enterprise **Value**

- **within existing framework conditions** and
- **with limited resources available**

Three basic steps:

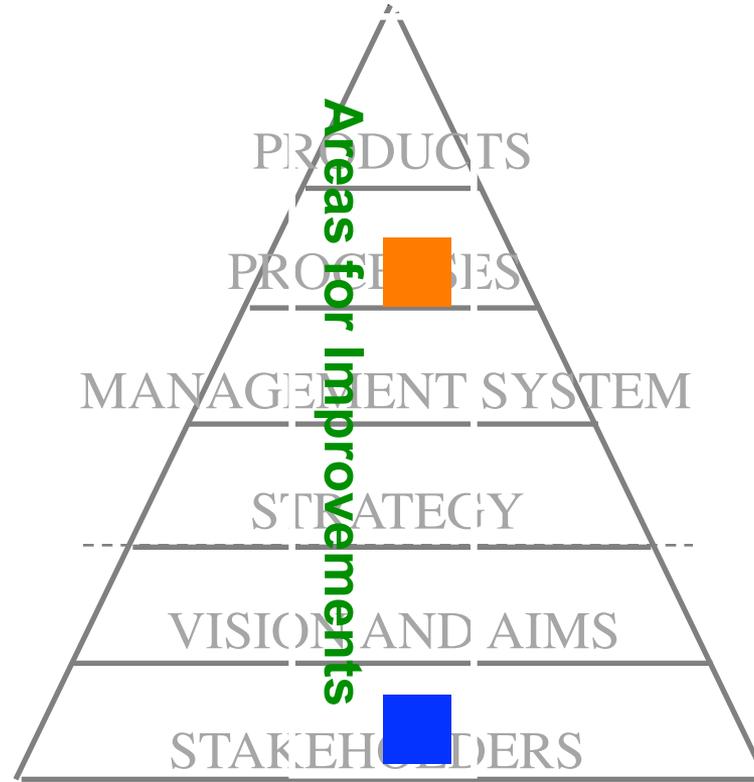
- 1) Potentials** - identification of areas with potential for improvement
- 2) Applications** - Allocation of possible applications (instruments) for intervention / improvement
- 3) Action Plan** - Feasibility of applications (instruments) and innovations identified (cost benefit analysis, possible sources of funding)

# PRESOURCE Step No. 1: Identifying potentials

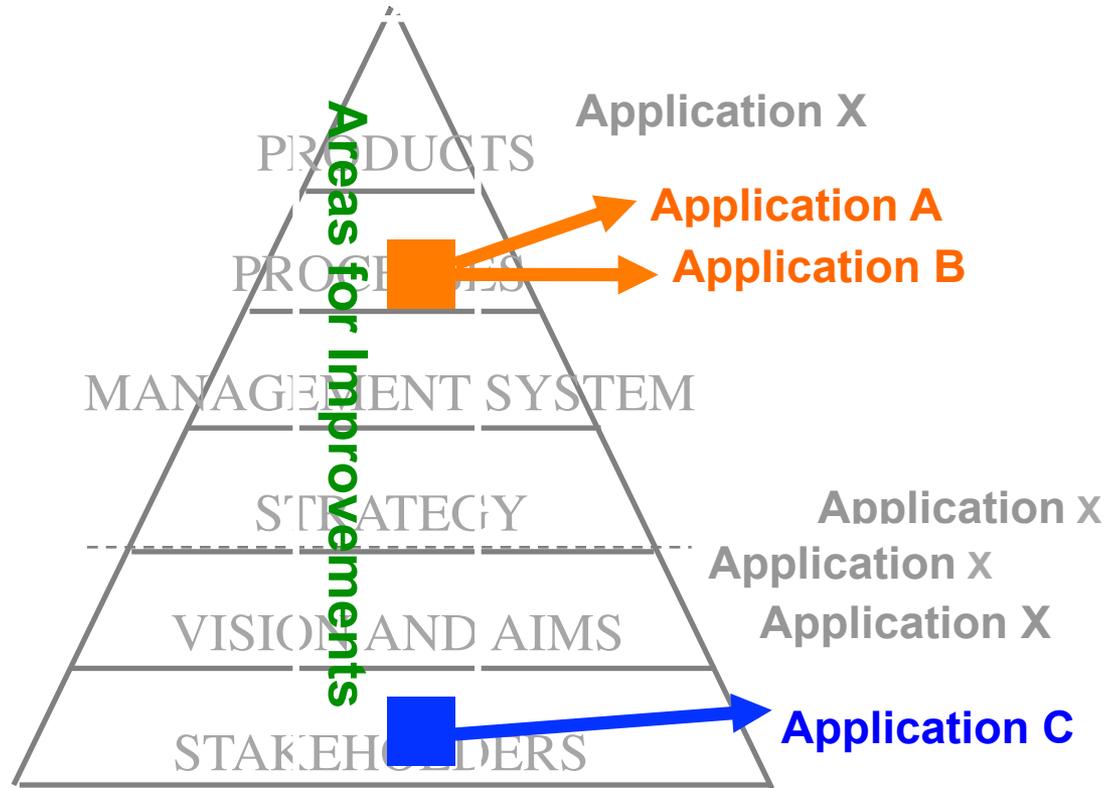


# PRESOURCE Step No. 1: 1.6 Identification of potentials

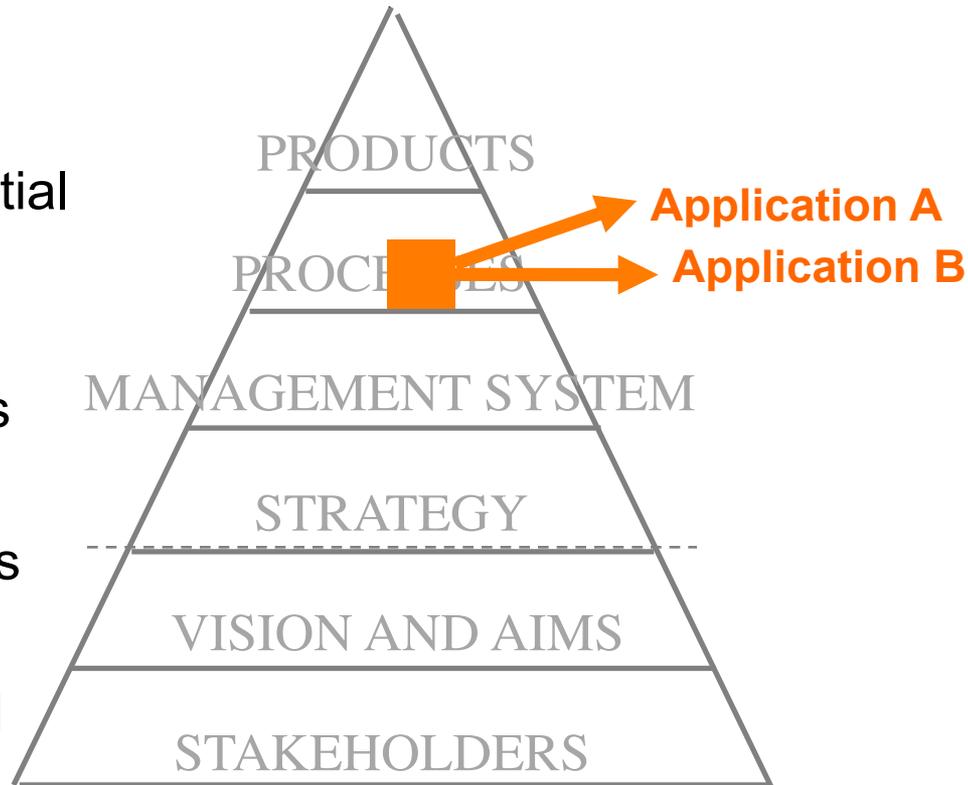
**Evaluation of all aspects**  
(areas with potential effects for a  
given enterprise)



RE Aspects Assessment



- Project idea
- Estimation of potential savings
- Estimation of implementation costs and requirements
- Cost benefit analysis
- Development of a final project proposal



## COMPANY 1 Czech Republic

Production of industrial packaging

90 employees

Annual Turnover: 15 Mio EUR

**RESULTS:** Less waste and therefore better competitiveness, lower price of product for customer. Major identified applications:

- Purchase of precise cutting plotter (savings and less waste, higher quality and efficiency)
- Energy efficiency and better well-being
- Introduction of new Human Resource Management System leading to higher identification of staff with the company
- Extension of existing management system – management of energy and material flows will be integrated into regular quality management review

See More information on the poster

## COMPANY 2 Czech Republic

Furniture industry

50 employees

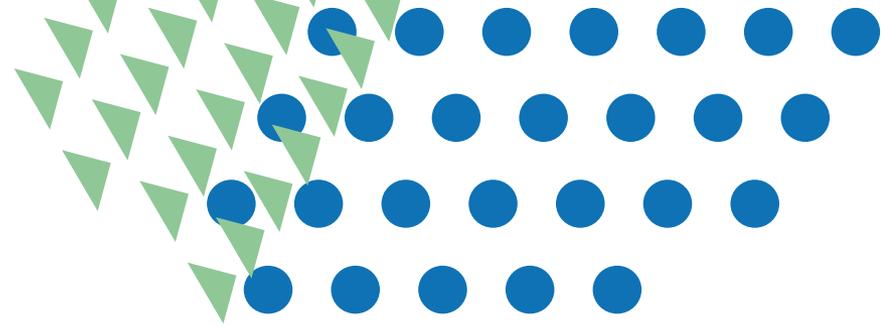
Annual Turnover: 2 Mio EUR

### RESULTS:

- Installation of new CNC electro-hydraulic bender will increase material efficiency (savings 213 000 EUR / year with a payback period of 5,5 years - investment with a subsidy)
- Energy efficiency – company will change gas supplier, optimize electricity consumption, change the paint operation, reconstruct an indoor lightning
- Company will introduce material flow and energy management based on principles of Monitoring and Targeting
- New recycling scheme for chair foam has already been implemented
- The SME will work out own marketing strategy

See More information on the poster

- Companies appreciated an independent, complex and need driven review and EDIT tool findings
- Aha! effects even in well-managed enterprises
- If applications were already known EDIT helped to set up priorities and to improve feasibility study
- Large RE potential in production processes due to poor management of material and energy flows
- Importance of CEOs commitment and employees involvement



**Thank you for your attention**

**Vladimir Dobes**

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