SAMEN MAKEN WE
MORGEN MOOIER
VAM

Resource efficiency in business - experiences from EU member states

European Resources Forum
10-11 November Berlin 2014

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Resource Efficiency in businesses

Action on different levels

- Legislation: from waste decree to materials decree

- Action plan: Flemish Materials Programme
  - Sustainable design
    - Eco-design in higher education
    - SIS toolkit
    - Ecolizer
  - **Smart investments**
    - **Materialsscan**
  - Better cooperation
    - Symbiosis project

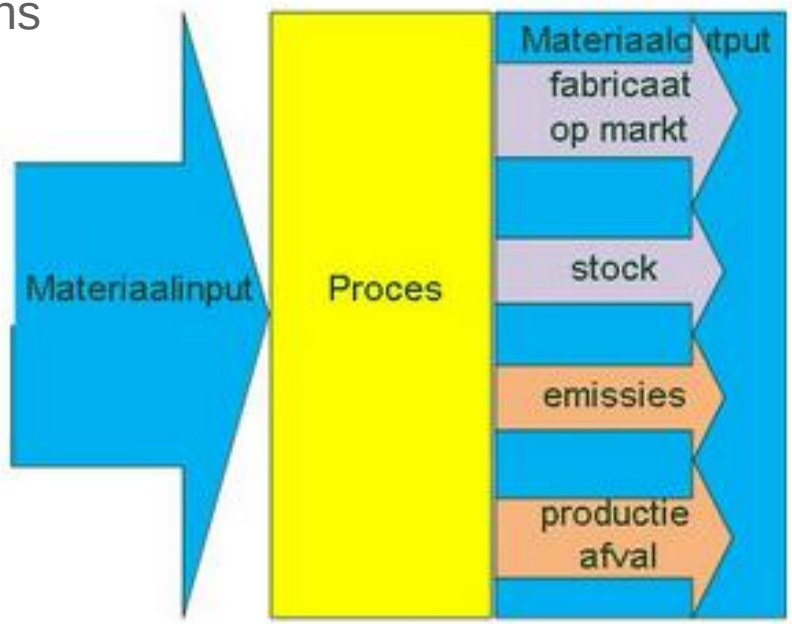
Materialsscan – How does it work

First scan: analysis and advice is for free

A range of advisors with different specialisations

Quantitative questions
- Input and output
- Overview material use: kg and €
- Lost costs become visible

> purchase, production, waste, storage, waste
- Simulations on cost savings
- A challenge: Account reconciliation



Qualitative questions:
- Taking into account the whole life cycle?
- Reparability/ dismantling/ planned obsolesce?
- Packaging?
- Recycled/ renewable material
- Different business models?
- …

Materialsscan – How does it work

Consultant gives advise mostly on:

- Insight losses (material and costs throughout the whole proces)
- How to become more efficient/ smarter
- Packaging
- High qualitative valorization
    - Symbiosis?

The next step: To transform advice into action

- Not for free, but many subsidies exist

Possible integration smarter use of resources in permits from 2016 onwards

Using (re)development of industrial sites to do materialsscan

Materialsscan – successes and barriers

Successes

- Broad range: Building-, wood-, plastic-, textile-, metal- and foodsector
- New insights
- Opportunities working together with other companies > symbiosis
- If the right facilitator, many companies can join
- Different business models
- Lowering residual waste
- Recycled material being used
- Invisible costs become visible: purchase, production, waste, storage
    - Now often only focus on waste

Materialsscan – successes and barriers

Barriers

- Finding companies who want to participate
  - Many other scans
  - It's a very broad scan
- SMEs often don't see added value: too much time or other priorities
- No interest > we don't have waste
- SMEs are often dependent on multinationals
- Finding the right person within the company
- The right scope of scan
- Risk of vagueness
- Difficult transfer of information from company to scanner (kg and €)

Materialsscan – SME Argex

- Making expanded clay used as
  - A resource for building walls, floors and fundations;
  - Used in greenhouses, garden roofs, watermanagement…
- Insights:
  - Exchange of secondary materials with other companies > symbiosis
  - Confirmation doing the right thing
  - Helping to increase profitability

More information (only in dutch):
www.materialenscan.be/

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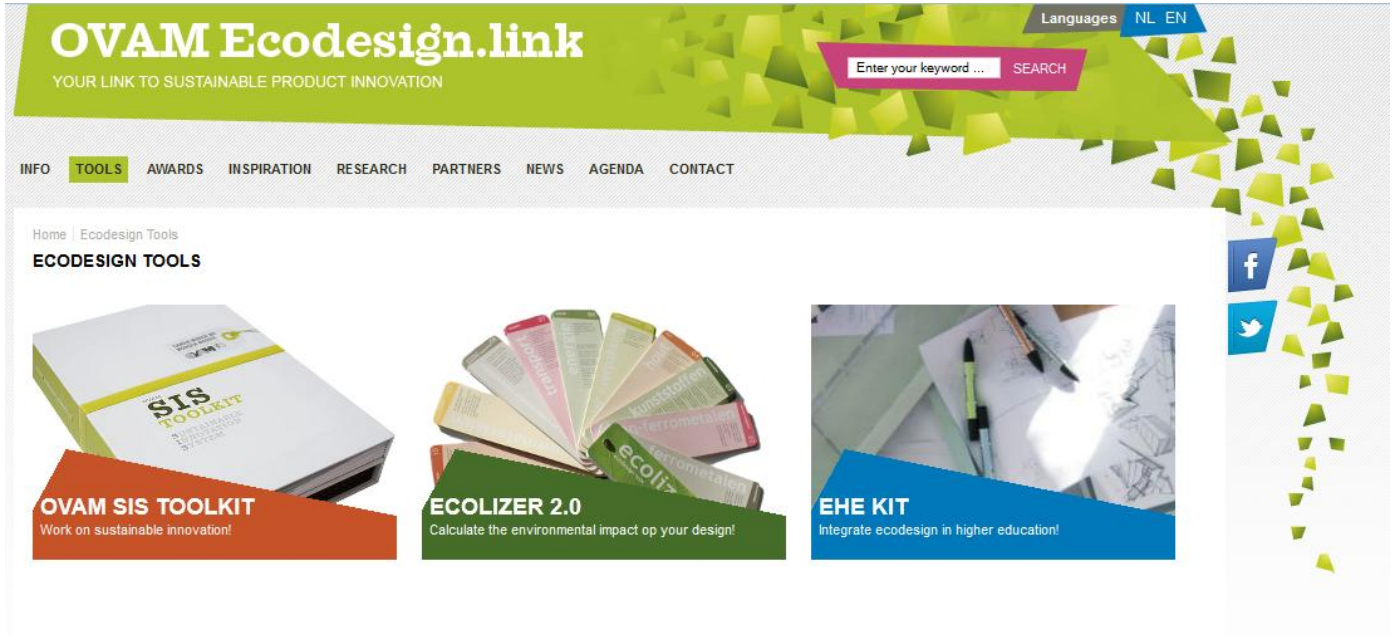
EHE kit – SIS Toolkit – Ecolizer 2.0



www.ecodesignlink.be

Vlaanderen
verbeelding werkt

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Symbiosis

- Exchange of materials, energy, water, infrastructure,etc, between companies
  - Need of cooperation knowledge- and research institutes (better coordination design and end of life phase)
  - Strong link with materialsscan
  - What is (im)possible when it comes to high qualitative exchange of secundary materials and resources?