



TOSCA

Towards sustainable supply chains through a common approach for company strategic work and daily operations



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About the project

- Funded by the EU LIFE+ Programme
- Runs 2009-2011
- Co-operation between AkzoNobel, SCA and Chalmers University of Technology
- Visit www.tosca-life.info

AkzoNobel



- World's largest paints and coatings company and a major producer of specialty chemicals
- Based in Amsterdam and operates in 80 countries
- 59,000 employees and €15.4 billion in revenue



AkzoNobel

Tomorrow's Answers Today



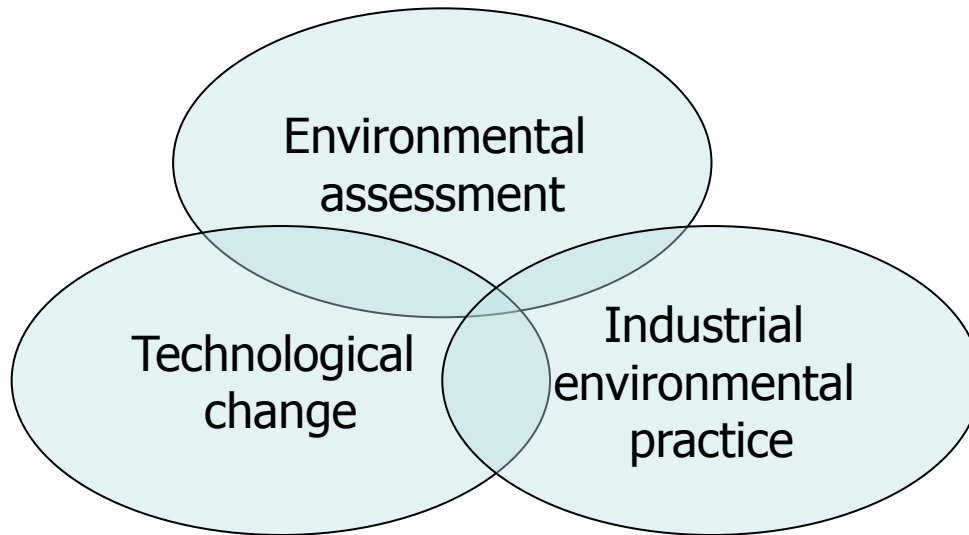
- SCA is a global hygiene and paper company that develops and produces personal-care products, tissue, packaging solutions, publication papers and solid-wood products.
- Sales are conducted in more than 100 countries.
- 50.000 employees and €10.5 billion in sales (2009)



Environmental Systems Analysis



- Division within the Department of Energy and Environment at Chalmers University of Technology, Gothenburg, Sweden



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Background



- EU Life funded project DANTES (2002-2005), www.dantes.info that provides tools for different company functions
- The tools need to be used in a context of sustainable development goals, strategies, indicators and targets
- In order to make a difference and avoid suboptimizations, the whole life cycle of the products must be considered. Thus, suppliers and customers must be involved
- AkzoNobel and SCA have been applying LCM (Life Cycle Management) for many years and are now expanding this work to incorporate suppliers and customers

Objectives



- Develop a framework of examples, working procedures, guidelines, strategies and tools to show companies how they can work towards sustainable development, within the company and in its supply chain
- Reduce the environmental load of companies using the framework, with a special focus on decreasing the use of resources (energy and material) as well as the carbon intensity along the supply chains of the participating companies.
- Provide guidance for facilitating the work with sustainability in a business environment
- Introduce the framework within the participating companies, and to a selection of suppliers, customers and carriers within the supply chains of the respective companies.
- Present examples of successful sustainability work
- Present the project, the framework and experiences at a website

Approach



- Bottom up: facilitate the integration and communication of sustainability aspects and knowledge in daily operations
 - What can I do?
 - How do I do it?
- Top down: facilitate development, communication and implementation of sustainability strategies
 - What does sustainable development mean to our organization?
 - Establishing strategies to pursue sustainable development
 - Organizational structure to work with and communicate SD
- In the value chain: communicate and cooperate on pursuing sustainable development

Work done



- Inventories and interviews within AkzoNobel and SCA and literature studies have been performed concerning:
 - Tools and data:
 - Which tools are used, and how are they used within the companies?
 - Which data is needed for these tools and how is the data managed?
 - Communication:
 - What are the communication paths within the companies?
 - How is communication and dialogue with the supply chain performed, e.g. with suppliers and customers?
 - Sustainable development strategies
 - How is the sustainability work organized?
- Based on the experiences from the work performed, development of an online knowledge portal for working with sustainability in supply chains: The TOSCA sustainability framework
- Implementation of the framework within AkzoNobel and SCA has started

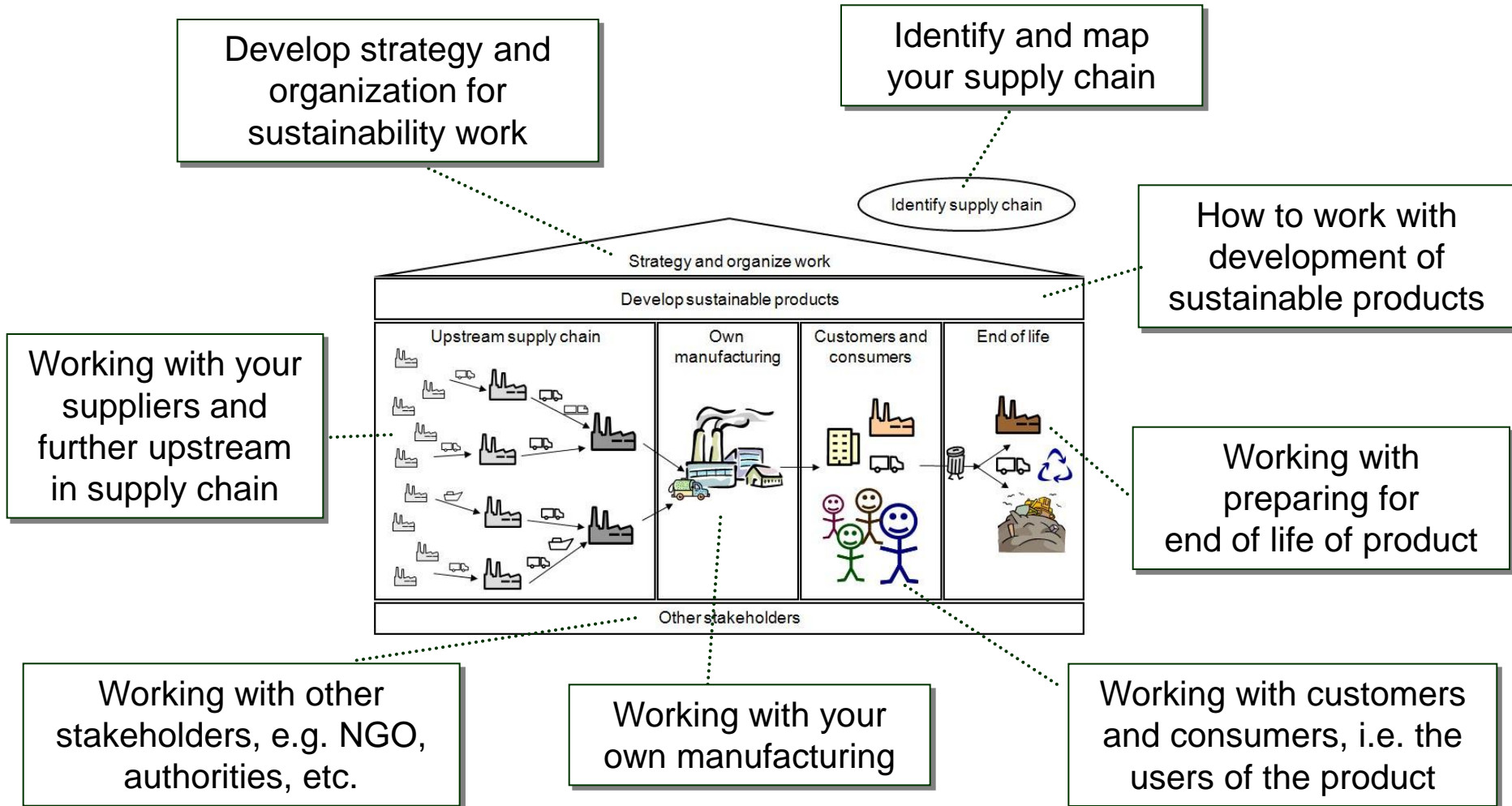
TOSCA sustainability framework



- Online knowledge portal for how to work with sustainability in supply chains
- Information divided into:
 - **Activities** for working with sustainability in different parts of the supply chain. Includes examples from SCA & AkzoNobel as well as state-of-the art descriptions and further reading
 - General information about **Sustainable development**
 - **Business case** for working with sustainability
 - **Getting started guides** for central tools in the work, e.g. Life cycle assessment (LCA)
- Available at: www.tosca-life.info

Supply chain activities

Working with sustainability in different parts of the supply chain



Next steps

- Implement the framework in the participating companies and introduce it to suppliers and customers
- Disseminate information about the framework and website to:
 - the participating companies
 - relevant networks
 - public authorities at regional and local level
 - students at universities