Contribution to the discussion:

G7 Industrial Symbiosis Workshop Global View session

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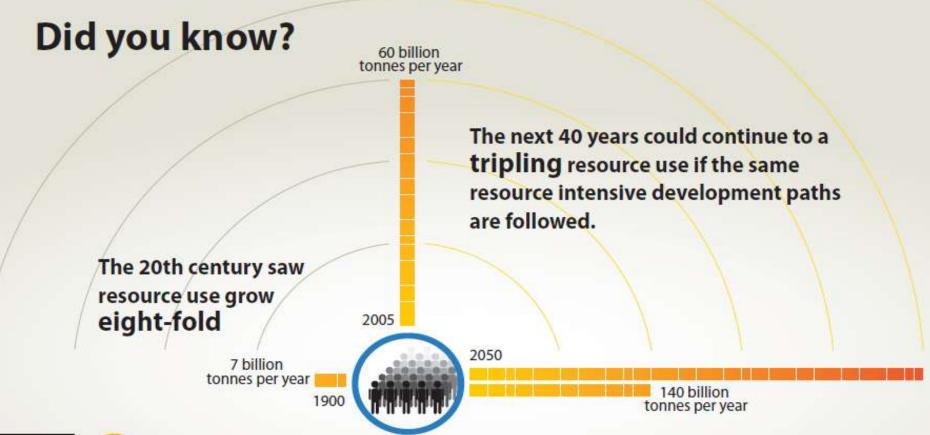






The urgency for science-based decision making & action









The costs of inaction

Public health impacts of uncollected wastes

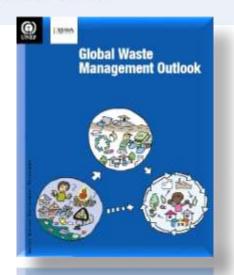
- Gastrointestinal and respiratory infections, particularly in children
- Blocked drains, aggravating floods and spreading infectious diseases

Environmental impacts of open dumping and burning

Severe air, water, land and sea pollution



- Health care
- Lost productivity
- Flood damage
- Damage to businesses and tourism





Proper waste management makes economic sense but still has a financial cost

- Affordability is a major challenge in developing countries
- Even the poorest will pay something when they can see the benefits of a clean and healthy community
- Raising finance for investment in modern facilities continues to be a challenge in all countries

Accelerating the transition to SCP patterns

Sustainability as source for innovation and value creation





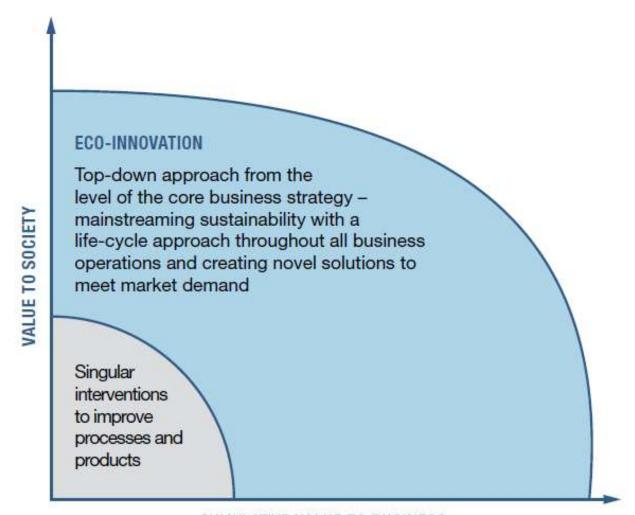












Eco-innovation approach



- Eco-innovation provides an ideal approach to promote the application of industrial symbiosis
- Eco-innovation promotes systemic innovation based on holistic lifecycle approach throughout company's operations - products (goods / services), processes, market approach and organizational structure.
- It aims at influencing and involving stakeholders along the entire value chain.
- Building and fostering collaboration for the identification of innovative solutions





















Eco-innovation and Industrial Symbiosis

Technical assistance to companies

- Methods for identification, development, transfer and <u>adaptation</u> of industrial symbiosis solutions:
 - Benefits and lessons learned
 - Enablers for scaling
- > Collaboration potential E.g. through networks, institutions, collaboration schemes etc

..and policy-makers

- ➤ Market is not always conducive to eco-innovation and industrial symbiosis adoption and diffusion due to a number of barriers:
 ⇒ role of policy to remove barriers and create incentives and create context condition
- ✓ <u>National and local level</u>: focus creating enabling conditions at both production and consumption side
- ✓ <u>Global level</u>: focus on creating level playing and addressing asymmetries between the countries









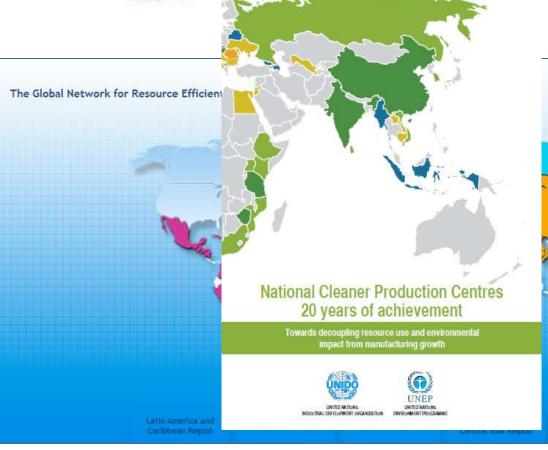








Eco-innovation and Industrial Symbiosiswith RECPnet























- A Vietnam: Joint Policy Mainstreaming & Pilot SME Application (Agri-food)
- B Sri Lanka: Pilot SME Application (Agri-food)
- C South Africa: Pilot SME Application (Metals)
- D Uganda: Pilot SME Application (Agri-food)
- E Kenya: Policy Mainstreaming
- F Egypt: Pilot SME Application (Chemicals)
- G Colombia: Joint policy mainstreaming & pilot SMEs Application (Chemicals and Metals)
- F Peru: Joint policy mainstreaming & pilot SMEs application (Chemicals and Metals)

RECPnet contributes to











- Facilitate knowledge, networks and resources
- **Strengthen capacity**
- Identify, adapt and disseminate innovative solutions













