



# *Life Cycle Thinking Worldwide – Business and Governments Challenges and Needs*

Joint North American Conference 2009, Boston, U.S.A.



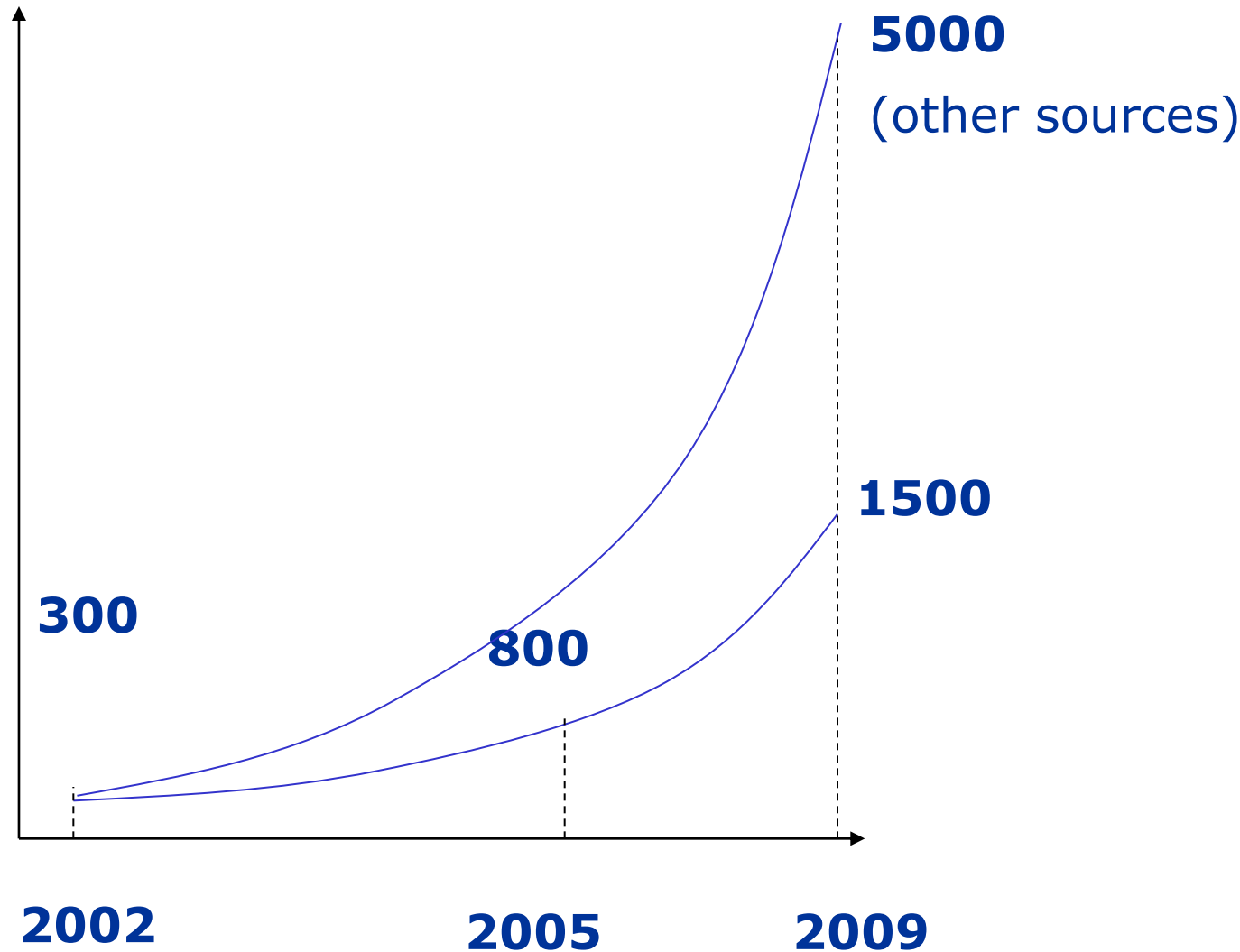
**UNEP/ SETAC Life Cycle Initiative**

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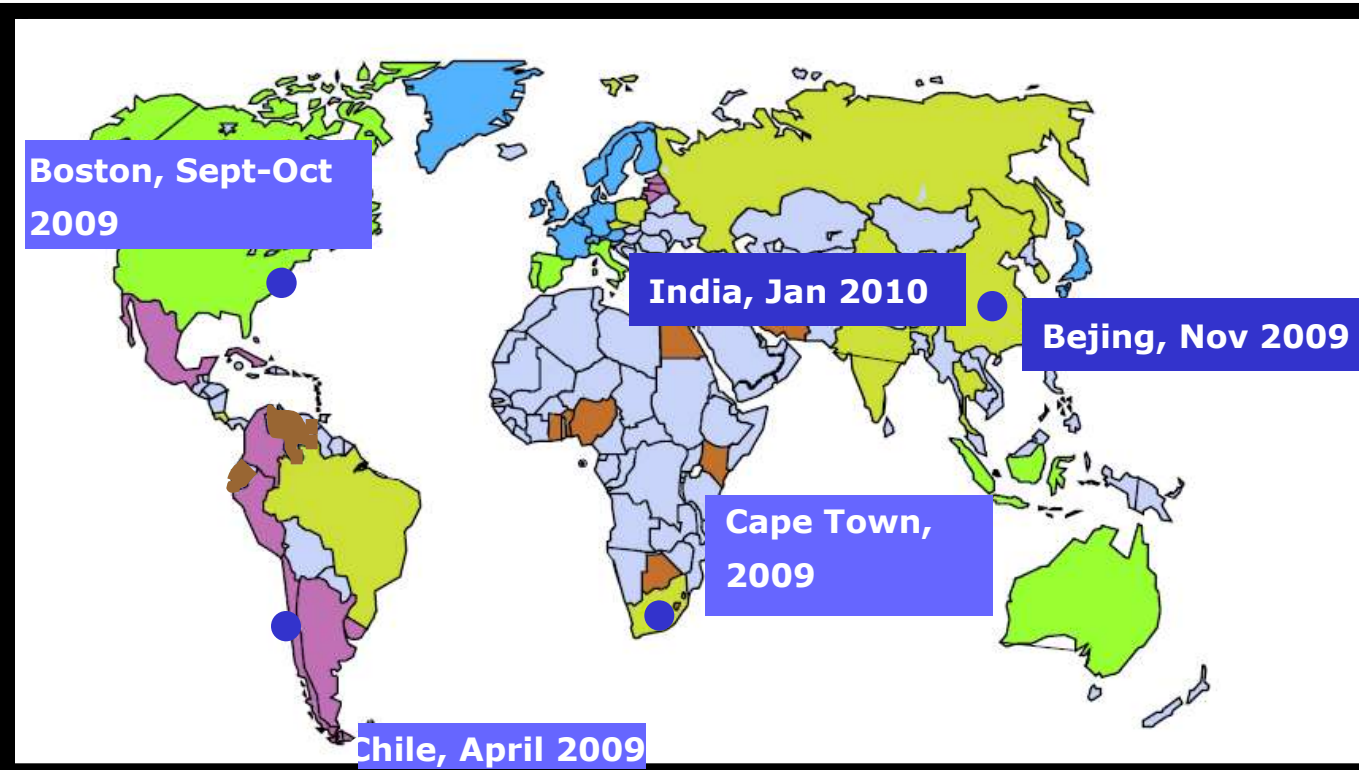




# Life Cycle Thinking Worldwide

No of practitioners identified by UNEP/SETAC



# Life Cycle Thinking Worldwide

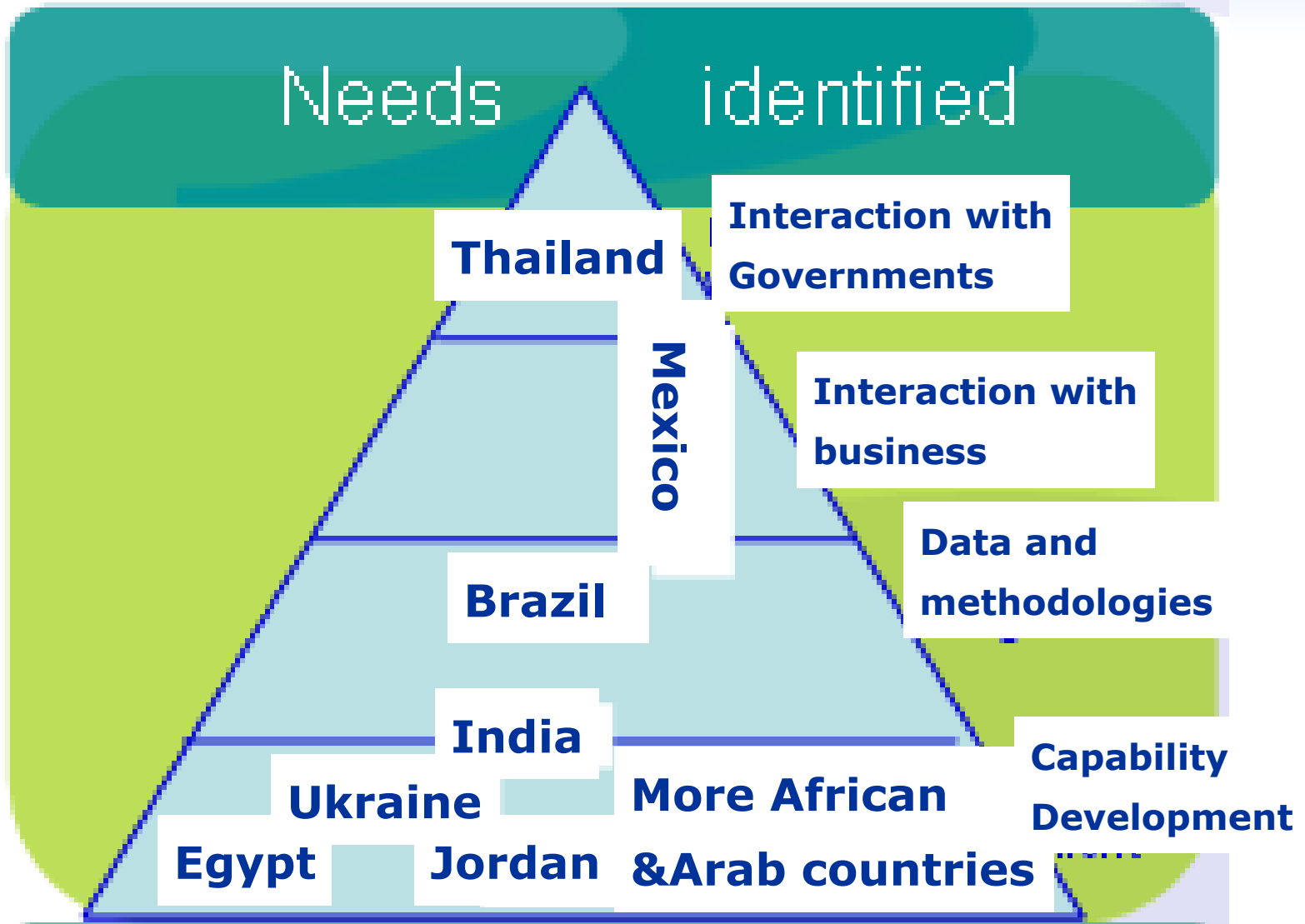


Legend:   } No national network

- Practitioners have been identified in 80 countries



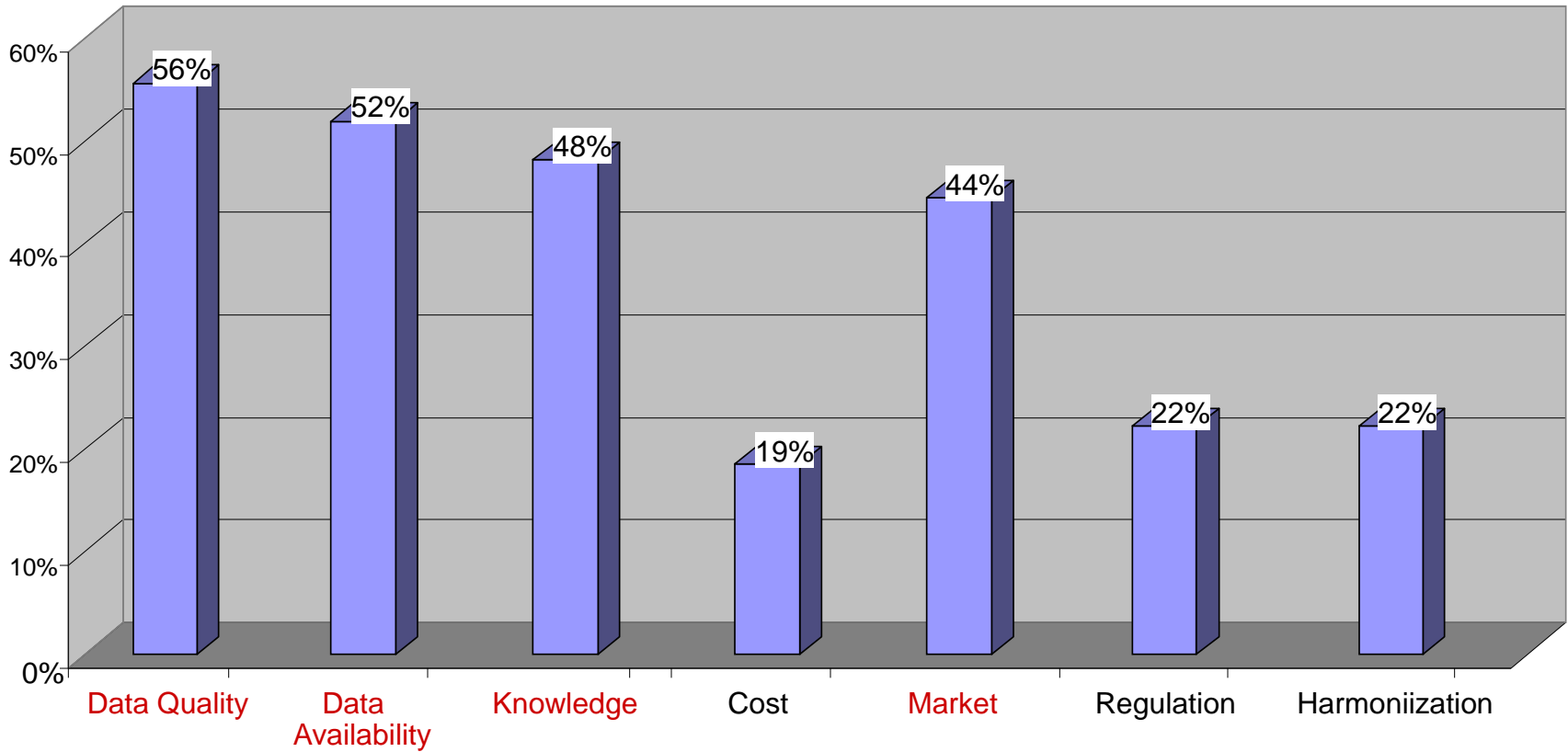
# Needs selected by a limited number of Non OECD countries



Main findings on current status



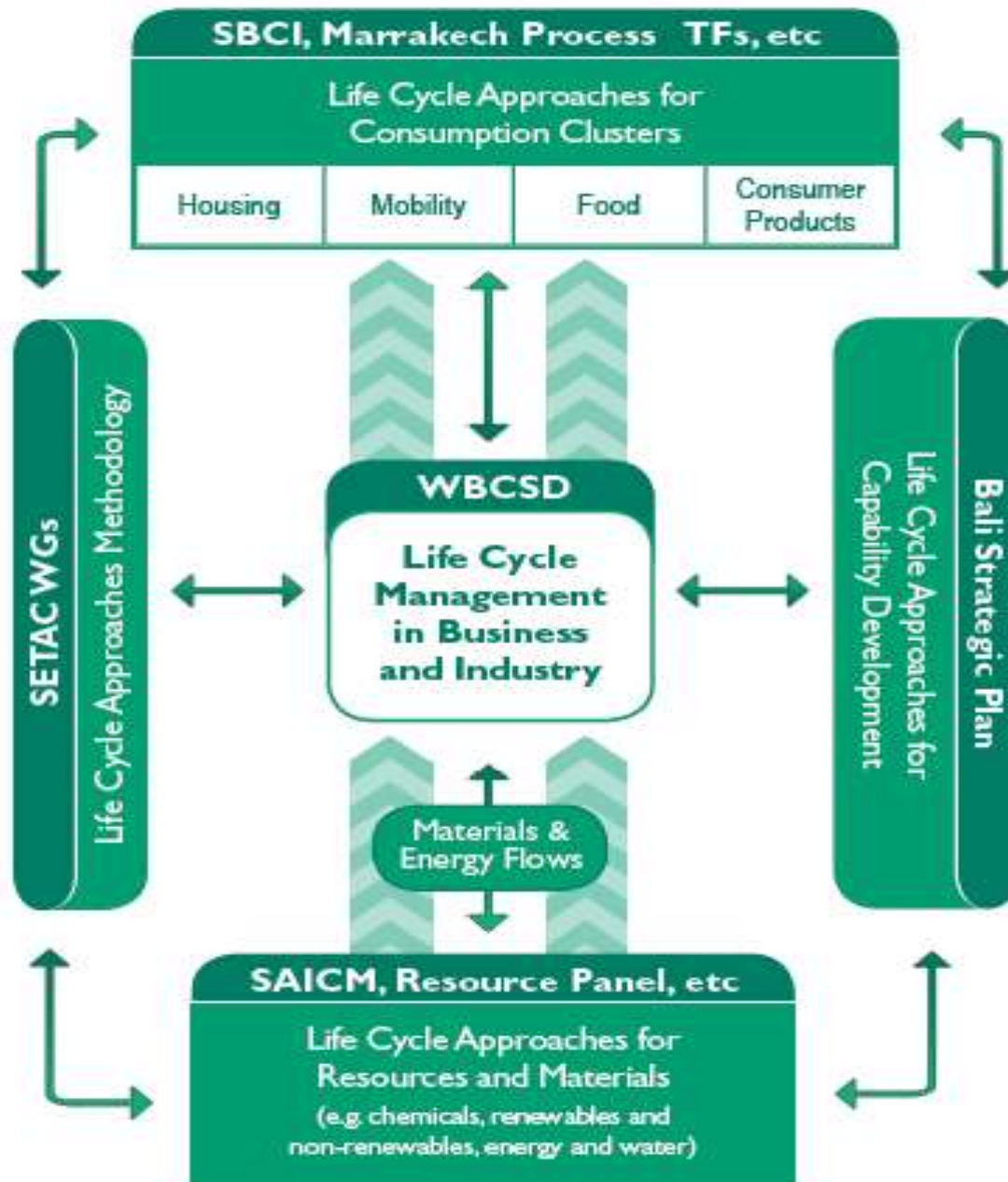
# Main challenges



Basis: 27 responses

# Objectives

- *Objective 1:*  
*Expanding capability* worldwide to apply life cycle approaches
- *Objective 2:*  
*Refine and facilitate methodologies* for life cycle impact assessment achieved by international consensus
- *Objective 3:*  
*Facilitate the use of life cycle based approaches* worldwide in business, government and the general public about natural resources, materials and products targeted at consumption clusters (food, housing and mobility)





# Capability Development Activities

...

- **Strengthening Capabilities on Sustainable Resource Management in Latin America**  
Jan 2010 - Dec 2011; Results: TWO countries implementing life cycle based policies. Interested governments to contact us.
- **On-line training tools and guidance documents in:**  
<http://www.unep.fr/scp/lcinitiative/publications/>
- **Support the development of life cycle national networks in Russia, India, Arab countries**  
Ongoing. Open invitation to practitioners to start the development of networks
- **Re-vamp the African Life Cycle Network with four countries: South Africa, Ghana, Mauritius and Nigeria**  
Ongoing. Please contact ALCANET



Life Cycle

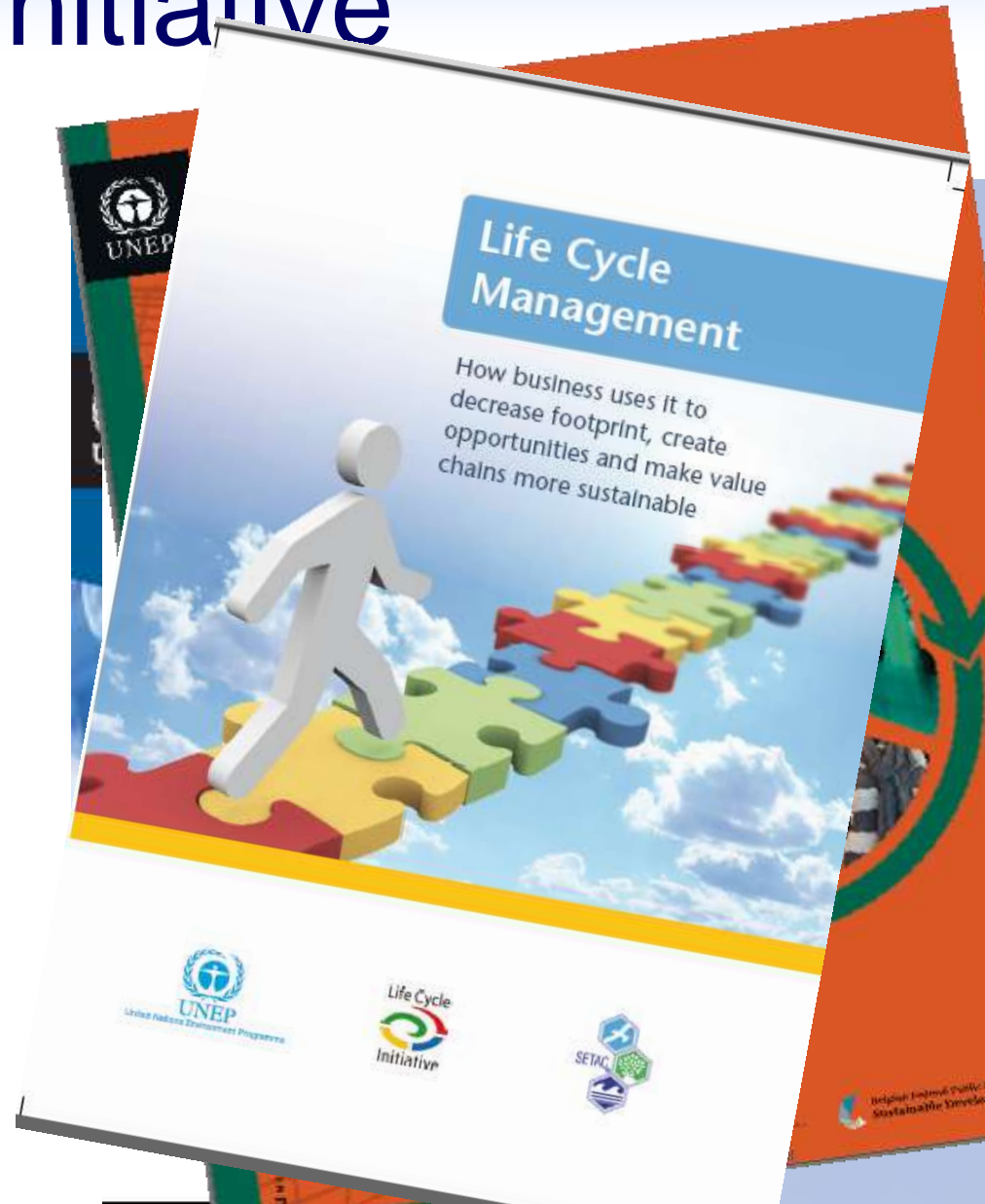


Initiative



# UNEP/SETAC Life Cycle Initiative

- ✓ Over 1000 individuals collaborating globally
- ✓ One stop shop for life cycle approaches





# Capability Maturity Model (CMM)

(open invitation to companies to join identifying successful cap development business practices)

Maturity Level	Description	Span of control
1 Ad hoc	Chaotic, success depends on heroic effort of individual.	Individual
2 Managed	Requirements managed, measured and repeatable results on a project basis.	Project
3 Defined	Standard processes, consistent across organization, measures of process and work products.	Organization
4 Quantified process control, quantified objectives, special causes of variation corrected.	Value chain	Value chain
5 Optimizing	Process improvement objectives continually revised to reflect changing business objectives: agile and innovative workforce.	Society

Table 1: Capability Maturity Model

# 2<sup>nd</sup> Edition: 2008/2009

Sponsors (ALPHABETICALLY):

- ecoinvent Centre
- GaBI (PE International)
- Int. Journal of LCA
- IVAM
- SimaPro (Pré)

**Open invitation to for projects in Non OECD countries to submit a proposal by 15 Nov 2009!**

Award ceremony TODAY at the closing session

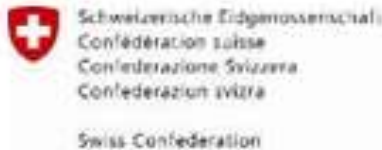
Arab Hoballah  
United Nations Environment Programme

Bart Bosveld PhD.  
Society of Environmental Toxicology and Chemistry

## Founders



## Platinum sponsors



Federal Office for the Environment FOEN



Federal Ministry of Education and Research



Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

## International Plastics Associations as one platinum sponsor



<http://lcinitiative.unep.fr>  
[ilci@unep.org](mailto:ilci@unep.org)

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