

# UNEP/SETAC Life-Cycle Initiative Phase Two Strategic Plan for 2006 - 2010

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Five Winds INTERNATIONAL

## The first phase 2002 - 2006

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- ***Develop and disseminate practical tools for evaluating the opportunities, risks, and trade-offs associated with products and services over their whole life cycle***





## Key Deliverables from Phase 1

- Worldwide network of around 1000 experts of which 100 actively participated in Initiative.
- Regional and national networks for capacity building and technology transfer.
- Support of around 50 open meetings on LCA worldwide.
- Organization of around 25 TF meetings and expert workshops.
- Set-up of an open management content system: website ESTIS for the Life Cycle Initiative and its task forces and regional networks.
- Free licenses of LCI databases and LCA softwares for 22 organisations from 14 developing countries to support LCA case studies.



# Key Deliverables from Phase 1

- A Background report for a UNEP Guide to Life Cycle Management.
- LCA and LCM training materials
- International LCM guide
- Feasibility studies for Extended LCA (incl. social aspects).
- Global LCI database registry.
- Guidance documents on how to set up LCI databases for capacity building in all regions (in preparation).
- Guidance on how to move from current practices to global recommended practice in LCIA (in preparation).



# Partners

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- APC, PWMI & Plastics Europe
- EC DG Research
- Sustainability Victoria
- Germany
- ICMM
- Switzerland
- ISO
- GM
- Netherlands
- Quebec
- US EPA
- Japan
- Canada





## Two value-added roles the Initiative Serves

- The ability to access and mobilize an established and growing network of over 1000 global interested members
- With this global network also comes the ability to:
  - facilitate, gather and manage examples of best practices and achievements across the world; and
  - disseminate the accomplishments of the Life Cycle Initiative, its sponsors and partners to all corners of the world.



# Phase 2 Mission

- *To bring science-based life cycle approaches into practice worldwide*



## Phase 2 will build on three major strategies

- establish better use of LCA knowledge for practical applications through LCM based upon the triple bottom line and eco-efficiency in international government policy making (product policy) and industry (product stewardship);
- collaborate with UNEP programmes and initiatives as well as business associations and industrial companies (the demand) to link the global and regional capacity (supply) in use of LCA and LCM;
- expand the availability of sound LCA data, methods and case studies globally by recognizing differences in regional life cycle inventory and impact flow data and methodology needs.

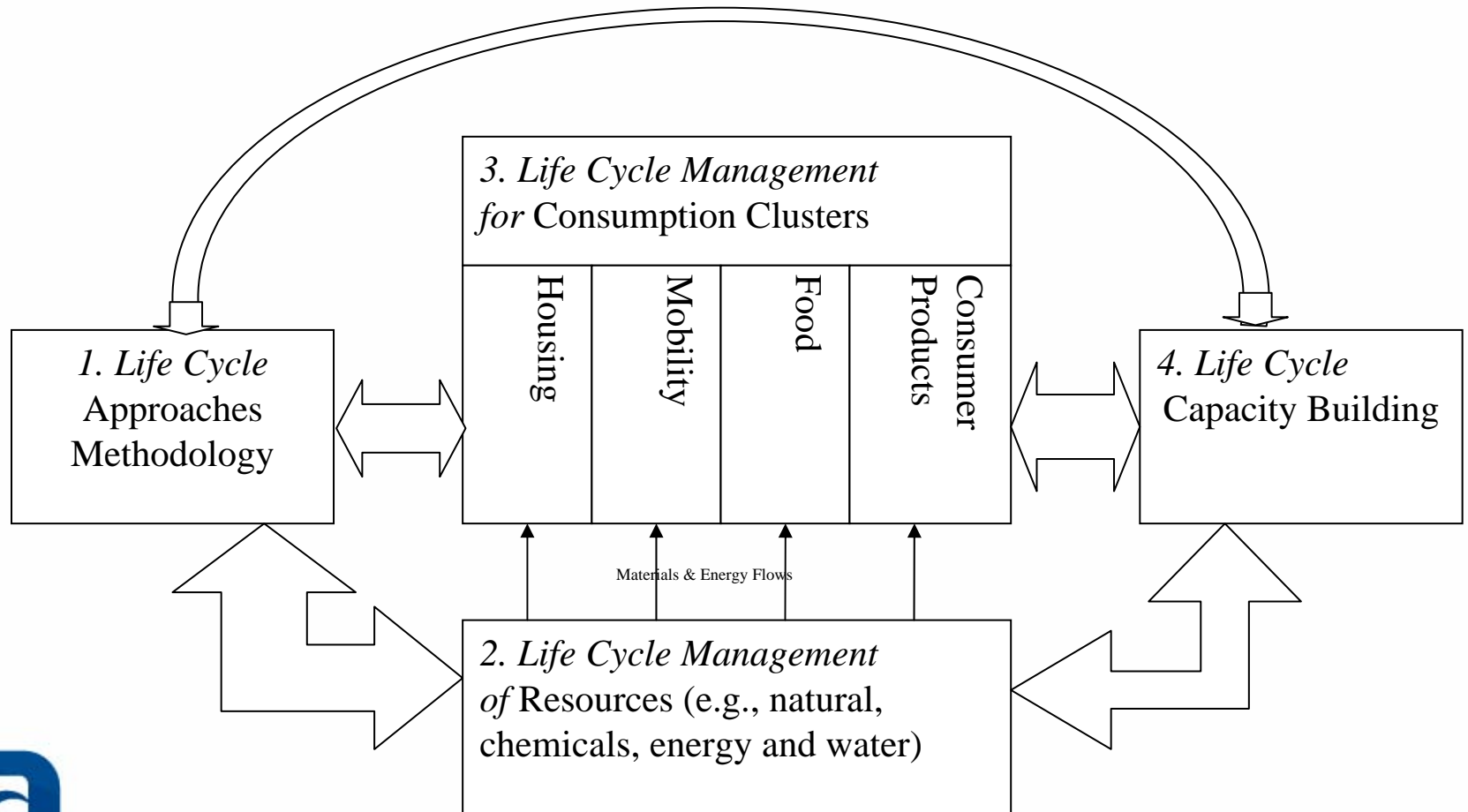


## Phase 2 Objectives

- *Objective 1:* Enhance the global scope of life cycle approaches methodology;
- *Objective 2:* Collect, develop, maintain and disseminate information on successful applications of life cycle approaches (together with the interface to other tools – e.g. certifications) to ‘resources’, including natural resources, chemicals, energy, water, etc.;
- *Objective 3:* Facilitate the use of life cycle approaches worldwide by influencing management decisions in business and administration related to key consumption clusters and strengthening product policies and product stewardship programs by working closely with the respective leading actors;
- *Objective 4:* Create capacity in the use of life cycle approaches in key public policy and business stakeholders worldwide, in collaboration with regional life cycle networks and other organizations.



# Focus Work Areas



## Activities foreseen for 2006 and 2007

- *Long term development and maintenance of a global LCI database registry*
- *Improvement of Characterization Factors in Life Cycle Impact Assessment of Ecotoxicity (Fate – Exposure – Effects)*
- *Dissemination of latest developments in LCA methodology*
- *Extended LCA: Integration of social aspects into LCA framework*
- *Building Capacity in Global Supply Chains*
- *Partnership with the International Panel on Natural Resources*
- *Workshop with Strategic Approach to International Chemicals Management (SAICM)*
- *Relationship with UNEP's Sustainable Building and Construction Initiative (SBCI).*



## Activities foreseen for 2006 and 2007

- *Workshop in UNEP, Consultative Meeting with Business & Industry and meetings with UNEP programme officers on mobility and food and the Marrakech taskforces, NCPCs and the Global e-sustainability Initiative (GeSI).*
- *Co-organization of the International Conference on Life Cycle Assessment CILCA 2007 in Brazil. Second phase of LCA awarded projects.*
- *Training workshop on LCA and LCM in Vietnam*
- *Co-organization of sessions in the 3rd International Conference on Life Cycle Management 2007 in Zurich*
- *Start of public web-based system*
- *Set-up of an industrial round table*



# Join the Life Cycle Initiative

## United Nations Environment Programme

Division of Technology, Industry & Economics

Production and Consumption Unit

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# Practicing Our Values

