

# InLCA

## THE INTERNATIONAL CONFERENCE AND EXHIBITION ON LIFE CYCLE ASSESSMENT: TOOLS FOR SUSTAINABILITY

APRIL 25-27, 2000

LCA is being developed and applied internationally by corporations, governments, and environmental groups to incorporate environmental concerns into the decision-making process. It is being widely adopted as a means to evaluate commercial systems and develop sustainable solutions.

Presentations and discussions during *InLCA* will focus on approaches that integrate environmental, economic, and social values for decision-making, with emphasis on LCA applications and case studies. The conference will bring together practitioners and decision-makers. Speakers will discuss how LCA can be used to:

- *create marketing advantages;*
- *improve environmental decision-making;*
- *save organizations money;*
- *organize environmental management systems;*
  - *measure environmental performance and progress towards sustainability;*
- *communicate within and outside of organizations.*

LCA identifies the impacts of products and services over all life cycle stages and media, enabling informed decision-making. LCA can identify and verify environmental benefits that will lead to sustainable practices.

### ANNOUNCEMENT

#### Call For Speakers Schedule:

Sept. 30, 1999 - Abstracts Due

Nov. 1, 1999 - Authors Notified

Jan. 2000 - Agenda Released

#### Conference Location:

Crystal City Hyatt

Arlington, Virginia

Washington DC Metro Area

#### Fee:

\$175 - Early Registration

\$200 - Registration after 2/14/00

\$150 - Government and Students

### *Tools for Sustainability*

Sustainability: meeting the needs of the present without compromising the ability of future generations to meet their own needs. For this conference, we will focus on sustainability tools based on life cycle assessment. These holistic techniques and practices have the objective and capability of reducing the environmental "footprint" of human activities, thus extending planetary resources and preserving them for future generations.



Sponsored by the USEPA's National Risk Management Research Laboratory  
National Center for Environmental Research and Quality Assurance (USEPA)  
Institute for Environmental Research & Education  
Environmental Quality Management Institute



## CONFERENCE TOPICS

The objective of *InLCA* is to offer an integrated program of tools for sustainability that offers value to the decision-maker as well as the analyst. Emphasis will be placed on using the life-cycle concept in pragmatic approaches:

#	<b>Management &amp; Regulatory Issues</b>	#	<b>Risk-Based Approaches</b>
#	<b>Remediation &amp; Treatment</b>	#	<b>Life Cycle Assessments</b>
#	<b>Implications on EMS</b>	#	<b>Software Tools &amp; Data Systems</b>
#	<b>Measuring Pollution Prevention</b>	#	<b>Product &amp; Process Design</b>
#	<b>Natural Resource Use Assessment</b>	#	<b>Product &amp; Process Development</b>
#	<b>Decision-making Approaches</b>	#	<b>Valuation Methodologies</b>
#	<b>Integrated Trade-off Analysis</b>	#	<b>Uncertainty Analysis</b>
#	<b>External Reporting &amp; Communication</b>	#	<b>Measures of Sustainable Development</b>

### **Management & Regulatory Issues**

Using life cycle-oriented tools for managing corporate and facility operations, and going beyond regulatory compliance. Also, use of LCA by local, state and federal government in developing regulations or policies.

### **Remediation & Treatment**

Examples of life cycle evaluations used to select remediation and treatment techniques and technologies.

### **Implications of ISO 14040 series on EMS**

Practical examples of integrating the ISO 14040 series of standards into environmental management systems, the challenges and benefits of the approach, and how LCA has been implemented as a driver for EMS.

### **Measuring Pollution Prevention**

With the success of pollution prevention programs and initiatives, one of the biggest questions in the P2 field is how to measure progress. Can LCA be used to verify P2 progress? Examples pro and con are sought.

### **Natural Resource Use Assessment**

Examples of practical and reproducible studies in resource utilization/depletion applicable to LCA, especially environmentally relevant indicators and models.

### **Decision-making Approaches**

Environmental decision-making is changing substantially to meet standards of sustainability. Examples of how new approaches in decision-making target economic, environmental and social benefits.

### **Integrated Trade-off Analysis**

Examine approaches that assess the performance, cost and environmental trade-offs inherent in every decision. Examples using economic tools for environmental assessments.

### **Reporting & Communication**

Examples of the use of LCA to report to stakeholders on the goals and progress of companies, support claims in the marketplace, conduct Type III labeling, and promote public and private efforts in environmentally preferable purchasing.

### **Risk-Based Approaches**

Presentations on comparing or integrating risk assessment tools and techniques with life cycle impact assessment approaches.

### **Life Cycle Assessments**

Presentations on innovative approaches to LCA and advancements in the state-of-the-practice. Cutting edge research in life cycle impact assessment are especially encouraged.

### **Software Tools & Data Systems**

New software for performing cost effective life cycle assessments. Examples of assessments performed using these software tools.

### **Product & Process Design**

Examples of approaches that use LCA as a tool for Design for Environment (DfE) and assess the life cycle environmental performance of products and services.

### **Product & Process Development**

Examples of approaches that use LCA in the development of product and processes, including manufacturing, product use, post-consumer recycling, and the service industry.

### **Uncertainty Analysis**

Studies of the uncertainty of LCA results, and comparisons amongst indicators for the same impact category.

### **Valuation Methodologies**

Examples of weighting and valuation, especially comparisons of results for different valuation methods within a single LCA study.

### **Measures of Sustainable Development**

Both theoretical and practical examples demonstrating the feasibility of using LCA approaches and life-cycle based indicators to evaluate sustainable development.

### **AUDIENCE**

The audience for the conference is anticipated to be broad and will include representatives of LCA research and development as well as users of life cycle concepts from industry, government, private consultants, academia, and environmental groups. Presentations will be grouped by distinct topical areas that are of interest to the different user groups. An exhibition hall will be part of the conference allowing LCA developers and practitioners to meet potential clients, and industrial, government and policy experts to meet and compare different LCA practitioners and other environmental services providers.

### **CONFERENCE REGISTRATION INFORMATION**

For those interested in registering for the conference or obtaining additional information, please e-mail [InLCA.CI@epamail.epa.gov](mailto:InLCA.CI@epamail.epa.gov) or send a fax to (703) 736-0826 (Attn: InLCA Conference).



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Environmental Quality Management Institute



Call for Speakers

**InLCA Conference**  
**April 25-27, 2000**  
**Crystal City Hyatt**  
**Washington DC Metro Area**

Call for Exhibitors

**Presenters** - For those interested in being a speaker at *InLCA*, an abstract must be submitted on one of the enclosed conference topics by **September 30, 1999**. Abstracts must be submitted by e-mail to *InLCA* at:

[InLCA.CI@epamail.epa.gov](mailto:InLCA.CI@epamail.epa.gov)

Abstract Format

<b>Format:</b>	MS Word	<b>Top:</b>	Title & Conference Topic (Bold, 14 pt.)
<b>Font:</b>	Times New Roman, 12 pt.	<b>Length:</b>	Less than 300 words
<b>Justification:</b>	Left	<b>Lead &amp;</b>	Name, Address, Organization
<b>Margins:</b>	1" All sides	<b>Coauthors:</b>	Phone, Fax & E-mail

**Exhibitors** - For those interested in being an exhibitor at *InLCA*, please send an e-mail to the above address or send a fax to (703) 736-0836 (Attn: *InLCA* Conference) for exhibit space and cost information.

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