



FC-Hy
Guide

Training Course

**Thurs. 1st September
2011, Berlin**

**Seminaris
Campus Hotel
Berlin**



FC-Hy
Guide

LCA reporting template



- Similar structure as the guidance document
- Ready made for fill in
- Short guidance is given what to fill in



Executive Summary	Provide a short summary for non-technical audience.
Technical Summary	Provide a short summary for technical audience. Address to which system is the study complies with such as ISO 14044 and/or ILCD.

Main Part	
1. Product group	
1.1 Product related information	<p>Provide information about the hydrogen properties and quality.</p> <p>Mandatory: purity, aggregate state, pressure, temperature</p> <p>Optional: impurities, quantity produced per year</p>

<p>1.2 Producer & product system description</p>	<p>Provide information about the hydrogen producer, e.g.:</p> <p>Overall H₂ production capacity, number of sites, production technology used, geographical coverage by region.</p> <p>Provide information about the hydrogen production system, e.g.:</p> <p>Production technology used, year of construction, on-site electricity or heat production (if existing), production capacity,</p> <p>Optional: location of the site; technical service life, type of production site (laboratory, commercial...), type of storage.</p>
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2. Goal of the Life Cycle Assessment study on hydrogen production

2.1 Intended application(s)

Describe the intended application(s), e.g.:
Evaluation of a hydrogen production system, carbon footprint etc..

2.2 Method, assumptions and impact limitations

Detail any assumptions or limitations.

<p>2.3 Reasons for carrying out the study</p>	<p>Describe the reason for carrying out the study.</p>
<p>2.4 Target audience</p>	<p>Describe the target audience, e.g.:</p> <p>Technical / non-technical audience; decision-makers etc..</p>
<p>2.5 Comparisons intended to be disclosed to the public</p>	<p>State whether the study is comparative and/or intended to be disclosed to the public.</p>
<p>2.6 Commissioner of the study</p>	<p>Specify the commissioner of the study, (co)financier and/or other actors having influence on the study.</p>

3. Scope of the Life Cycle Assessment study on hydrogen production

<p>3.1 Functional unit / Reference flow</p>	<p>State a hydrogen purity standard or fill out the gaps in the reference flow:</p> <p>MJ of hydrogen (net calorific value (NCV)) with ___ % purity and ___ bar @ ___ °C.</p>
<p>3.2 Multi-functionality</p>	<p>If multi-functionality occurs state which method is chosen to solve multi-functionality.</p>

REVIEW REPORTING			
General information			
Project name			
Review commissioner(s)			
Reviewer name(s)			
Review type applied			
Date of completion of review (DD/MM/YYYY)			
Compliance system name			
Reviewer assessment:			
Aspect	Yes	No	Comments
Quality compliance			
Method compliance			
Nomenclature compliance			
Documentation compliance			
Review compliance			
Compliant with ISO 14040 & 14044			
Reproducibility and Transparency			

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