

## **Presentations and factsheets for the use of sustainability indicators and for benefits and possibilities of environmental labelling**

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**WP leader:** VTT  
**Author:** Tarja Häkkinen, VTT  
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### **IMPAWATT**

### **IMPlémentAtion Work and Actions To change the energy culTure**

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# 1 Executive summary

The objectives of IMPAWATT work package 4 “Sustainable value chain” was to support corporate policy towards sustainable supply-chain management and support for the consideration of sustainability aspects when implementing energy-efficiency measures.

WP 4 has provided guidelines, indicators and tools to help companies to take into account sustainability aspects when planning, selecting and implementing measures that improve energy-efficiency. The focus of work is on life-cycle aspects and aids in finding relevant standards, tools and databases for life cycle assessment and life cycle costing.

Task 1 of WP 4 has prepared guides, a fact sheet and questionnaires for the use of energy managers and other personnel to help in considering sustainability aspects of energy related decisions. All outcomes are available on IMPAWAT portals.

Deliverable 4.2 includes all final documents, presentations, factsheets and questionnaire about LCA knowledge and life cycle costing. For a better understanding, the documents provided in D4.1 were completed and reorganised according to the four following topics:

1. Topic 1 Life cycle assessment
2. Topic 2 Environmental labels and declarations
3. Topic 3 Life cycle costs assessment
4. Topic 4 Sustainability indicators.

## 1.1 Purpose of this document

The purpose of this document is to describe the final content of the outcomes of IMPAWATT Task 4.1.

## 1.2 Relation to other activities in the project

The specific purpose of WP 4 was to wider the point of view of energy related choices and decisions by offering useful background information about greenhouse gas impacts.

## 1.3 Partners' contribution

The factsheets and the first guides were prepared by VTT and AEA. All partners were asked to comment the draft versions. The final version of the original guide (in English) was worked out at VTT. On the basis of the original generic version and with the help of guidelines given by VTT, partners made nationally relevant guides by translating the original guide and completing it with nationally relevant information about tools, databases, service providers etc.

# 2 Description of the fact sheets and guide

The purpose of the overall LCM information package is to give basic guidelines for life-cycle and sustainability thinking.

The factsheets prepared in Task 4.1 are as follows:

- Factsheet Topic 1 Life cycle assessment
- Factsheet Topic 2 Environmental labels and declarations
- Factsheet Topic 3 Life cycle costs assessment
- Factsheet Topic 4 Sustainability indicators.

The factsheets and presentations include information, explanations and links that support organisations in getting the first insight into environmental and sustainability indicators, environmental declarations and labelling systems, sustainability reporting and sustainability assessment and in finding further information about supporting tools, standards and databases.

The overall information package on life cycle management include the following parts (PowerPoint presentations):

- LCM Part 1: Life cycle management (LCM)
- LCM Part 2: Life cycle assessment (LCA)
- LCM Part 3: LCA tools and examples of LCA studies
- LCM Part 4: Carbon footprint
- LCM Part 5: GHG emissions from energy carriers
- LCM Part 6: Carbon handprint
- LCM Part 7: IMPAWATT tool for assessing GHGs
- LCM Part 8: Environmental labels and product declarations
- LCM Part 9: Life cycle cost assessment
- LCM Part 10: Sustainability indicators

The final package is divided into 4 parts according to the four topics as in factsheets. Each presentation can be presented alone, which is why some slides overlap:

- Package 1 includes LCM parts 1-7 (altogether 38 slides)
- Package 2 includes LCM parts 1 and 8 (altogether 14 slides)
- Package 3 includes LCM parts 9 (altogether 16 slides)
- Package 4 include LCM parts 1 and 10 (altogether 9 slides)

The English versions of the information packages are translated into Finnish, German, French and Italian. The national versions were completed with relevant national information about information sources, tools, databases and service providers.

In addition to short versions, a longer information package including all LCM Part 1 - 10 was prepared.

Task 4.1 / Deliverable 4.2 also prepared a multiple-choice questionnaire for company employees to support them to know how they have adopted the LCM information. The questions are organised in accordance with the topics 1 - 4 and those include in average six multiple-choice questions for each topic.

### 3 Conclusions

The first version of the documents was presented in the form of one long presentation, one short and one factsheet, but then they were divided in accordance with the four said topics for a better understanding of the end-users. The result of the work is a consistent package of high-quality presentations, factsheets and questionnaire that can easily be delivered to different target groups in a company.