



Deliverable D7.1

Standardisation and Labelling

Grant Agreement number:	265096
Project Acronym:	LCA to go
Project title:	Boosting Life Cycle assessment Use in European Small and Medium-sized Enterprises
Funding Scheme:	Small or medium-scale focused research project
Project starting date:	January 1, 2011
Project duration:	48 months
Delivery date:	June 2012
Deliverable number:	D 7.1
Workpackage number:	7
Lead participant:	Fraunhofer IZM
Nature:	Report
Dissemination level:	RE
Lead Author:	Marina Proske (IZM)
Project co-ordinator:	Karsten Schischke Fraunhofer IZM Tel: +49-30-46403-156 Fax: +49-30-46403-211 E-mail: schischke@izm.fhg.de
Project website:	www.lca2go.eu

2 Executive Summary

This report is a deliverable of the work package 7 of the "LCA to go" project. It gives an overview of on-going developments in the field of environmental standardisation and eco-labeling.

Recently published as well as draft versions of environmental assessment standards are shortly introduced and the relevance for "LCA to go" is shown. Requirements of LCA and carbon footprint will not be fulfilled by the "LCA to go" tool completely. One of the reasons for that is that some the standards require a certain amount of primary data particularly for operations under direct control of the assessing company whereas the "LCA to go" tool will mostly rely on secondary data.

For the different "LCA to go" target sectors, relevant standards and labels were analysed. The analysis showed that the situation regarding standardisation varies between the different sectors:

- Many standards on carbon footprinting and eco-labels exist for the electronics sector. Regarding the calculation of the use phase energy consumption, Energy Star is the most cited reference and will be used also for the calculation and mode definition by the "LCA to go" tool.
- For the bioplastic sector, many standards and labels are available, but these focus mainly on compostability and bio-degradability and not on the overall topic environmental assessment.
- For the other sectors, not many specific standards or eco-labels are available. An ISO standard on "Machine tools -- Environmental evaluation of machine tools" is under development. Some PCRs exists for machine tools, PCBs, sensors and semiconductors. These can be only partly fulfilled by the "LCA to go" tool. Especially regarding the impact categories to analyse, the scope of the PCRs is wider than for the "LCA to go" tool which focuses on GHG emissions and energy consumption in most sectors.
- For "Smart textiles" as a very new sector no specific standards or labels are available, but the CEN working group on smart textiles will be monitored throughout the project.