

Institut luxembourgeois de la normalisation de l'accréditation, de la sécurité et qualité des produits et services

**ILNAS-EN ISO 14040:2006** 

Environmental management - Life cycle assessment - Principles and framework (ISO 14040:2006)

Management environnemental - Analyse du cycle de vie - Principes et cadre (ISO 14040:2006)

Umweltmanagement - Ökobilanz -Grundsätze und Rahmenbedingungen (ISO 14040:2006)

01011010010 0011010010110100101010101111

#### **National Foreword**

This European Standard EN ISO 14040:2006 was adopted as Luxembourgish Standard ILNAS-EN ISO 14040:2006.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html

#### THIS PUBLICATION IS COPYRIGHT PROTECTED

Nothing from this publication may be reproduced or utilized in any form or by any mean - electronic, mechanical, photocopying or any other data carries without prior permission!

## EUROPEAN STANDARD LINAS-EN ISO 14040:200 EN ISO 14040

### NORME EUROPÉENNE

**EUROPÄISCHE NORM** 

July 2006

ICS 13.020.10: 13.020.60

Supersedes EN ISO 14040:1997, EN ISO 14041:1998, EN ISO 14042:2000, EN ISO 14043:2000

#### **English Version**

## Environmental management - Life cycle assessment - Principles and framework (ISO 14040:2006)

Management environnemental - Analyse du cycle de vie - Principes et cadre (ISO 14040:2006) Umweltmanagement - Ökobilanz - Grundsätze und Rahmenbedingungen (ISO 14040:2006)

This European Standard was approved by CEN on 19 June 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

#### **Foreword**

This document (EN ISO 14040:2006) has been prepared by Technical Committee ISO/TC 207 "Environmental management" in collaboration with CMC.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2007, and conflicting national standards shall be withdrawn at the latest by January 2007.

This document supersedes EN ISO 14040:1997, EN ISO 14041:1998, EN ISO 14042:2000, EN ISO 14043:2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

#### **Endorsement notice**

The text of ISO 14040:2006 has been approved by CEN as EN ISO 14040:2006 without any modifications.

# THERMATIONAL STANDARD

ISO 14040

Second edition 2006-07-01

## **Environmental management — Life cycle assessment — Principles and framework**

Management environnemental — Analyse du cycle de vie — Principes et cadre



#### PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

#### © ISO 2006

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents		Page
	word	
Introd	duction	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4 4.1 4.2 4.3 4.4	General description of life cycle assessment (LCA)	6 7 8
5 5.1 5.2 5.3 5.4 5.5	Methodological framework	11 11 13 14
6	Reporting	16
7 7.1 7.2 7.3	Critical review	17 17
Anne	ex A (informative) Application of LCA	18