



Environmental management — Life cycle assessment — Principles and framework



AS ISO 14040:2019

This Australian Standard® was prepared by EV-021, Environmental Management and Sustainable Development. It was approved on behalf of the Council of Standards Australia on 28 May 2019.

This Standard was published on 18 June 2019.

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- Association of Accredited Certification Bodies
- Australian Industry Group
- Australian Life Cycle Assessment Society
- Building Products Innovation Council
- Clean Energy Regulator (Australian Government)
- Consumers' Federation of Australia
- CSIRO
- Department of the Environment and Energy (Australian Government)
- Engineers Australia
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This Standard was issued in draft form for comment as DR AS ISO 14040:2019.

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Originated as AS/NZS ISO 14040:1998.
Revised and redesignated as AS ISO 14040:2019.

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Preface

This Standard was prepared by the Standards Australia Committee EV-021, Environmental Management and Sustainable Development, to supersede AS/NZS ISO 14040:1998.

The objective of this Standard is to describe the principles and framework for life cycle assessment (LCA) including—

- (a) definition of the goal and scope of the LCA;
- (b) life cycle inventory analysis (LCI) phase;
- (c) life cycle impact assessment (LCIA) phase;
- (d) life cycle interpretation phase;
- (e) reporting and critical review of the LCA;
- (f) limitations of the LCA;
- (g) relationship between the LCA phases; and
- (h) conditions for use of value choices and optional elements.

This Standard covers life cycle assessment (LCA) studies and life cycle inventory (LCI) studies.

This Standard does not describe the LCA technique in detail, nor does it specify methodologies for the individual phases of the LCA.

The intended application of LCA or LCI results is considered during definition of the goal and scope, but the application itself is outside the scope of this Standard.

This Standard is identical with, and has been reproduced from, ISO 14040:2006, *Environmental management — Life cycle assessment — Principles and framework*.

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