

# ORIENTING

## Operational Life Cycle Sustainability Assessment Methodology Supporting Decisions Towards a Circular Economy



### Key Facts



**Funding Agency**  
HORIZON 2020



**Project Call**  
H2020-LOW-CARBON-  
CIRCULAR-INDUSTRIES-  
2020



**Duration**  
11/2020 - 10/2023



**Coordinator**  
Fundación Tecnalia  
Research & Innovation



**Partners**

- Universiteit Gent
- Teknologian tutkimuskeskus VTT Oy
- Fraunhofer Gesellschaft zur Förderung der angewandten Forschung e.V.
- ecoinnovazione
- Pre Consultants Bv
- University for the Creative Arts, UK
- ecoinvent Association
- Lavola
- Ecopreneur.eu
- Aclima- Basque Environment Cluster - Asociación Cluster de Industrias de Medio Ambiente de Euskadi
- BASF SE
- Import Arrasate, S.A
- RealCycle GmbH
- Stora Enso
- Solana S.p.A.

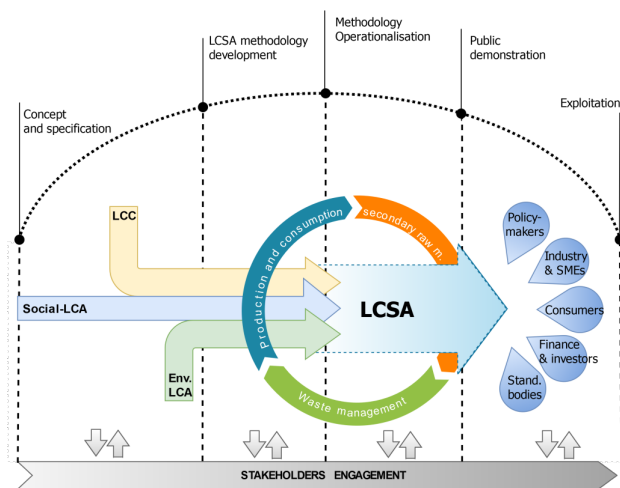


**Website**

### Project Objectives

Sustainable development and circular economy require balancing between environmental, economic and social benefits and de-coupling the economic growth from resource use. The European New Green Deal highlights the need for reliable, comparable and verifiable sustainability information. Existing sustainability assessment approaches suffer from lack of comprehensiveness, consistency and practical tools for implementation. This results in fragmented and hardly comparable information on product sustainability performance.

The ORIENTING project takes up this challenge and develops a robust and operational methodology for the life cycle sustainability assessment (LCSA) of products and services. ORIENTING contributes to the development of a future Product Sustainability Footprint at European level, evolving existing footprints and designing new indicators for the evaluation of material criticality and product circularity.



ORIENTING methodological approach towards the development of an LCSA

### EIFER's Contribution

The main task of EIFER is to provide the methodology for economic assessment and its integration into the overall LCSA framework. EIFER will also provide an indicator and a related method to assess the criticality of materials.

### Contact

Till Bachmann  
+49 (0) 721 6105 1361  
[till.bachmann@eifer.org](mailto:till.bachmann@eifer.org)

EIFER - Europäisches Institut für  
Energieforschung EDF-KIT EWIV  
Emmy-Noether-Straße 11  
76131 Karlsruhe, Germany  
[www.eifer.org](http://www.eifer.org)