

# LCA: Sustainability life cycle assessment in the framework of the circular economy: a methodology for decision-making

◦ LCSA International Summer School Website

## Descripción de la actividad

 The poster for the LCSA International Summer School 2023 features a large stylized 'S' logo with '2023' inside. Text includes 'INTERNATIONAL DOCTORAL SUMMER SCHOOLS UNIVERSITY OF GRANADA', 'LCSA International Summer School Sustainability Life Cycle Assessment in the framework of the circular economy: A methodology for decision-making', 'June 26th-30th, 2023', 'slcaeiugr.es', 'INTERNATIONAL DOCTORAL SUMMER SCHOOLS International School for Postgraduate Studies (EIP) University of Granada slugr.es/summerschools', and 'UNIVERSIDAD DE GRANADA' with a QR code.	<p>Life cycle sustainability assessment (LCSA) refers to the evaluation of all environmental, social and economic negative impacts caused by a process, product and/or service and highly influences the decision-making processes towards more sustainable products throughout their life cycle.</p> <p>Increasing interest in methods to better understand and address the impacts of products along their life cycle has been stimulated by a growing global awareness of the importance of protecting the environment; an acknowledgment of the risks of trade-offs between possible impacts associated with manufactured and consumed products; and the necessity of taking account of climate change issues and biodiversity from a holistic perspective.</p> <p>Potential and future decision-makers, stakeholders, enterprises and consumers can benefit from LCSA in different ways, for example: giving a normalized quantitative value which may be easily compared and making them more competitive; providing a more comprehensive picture of the positive and negative impacts along the product life cycle, stimulating innovation in order to become more responsible thanks to the design of improvements of the product life cycle; showing transparent information of benefits of products designed according to sustainable pillar, supporting consumers in determining which products are not only cost-efficient, eco-efficient or socially responsible, but also more sustainable.</p> <p>In consequence, it is necessary to encourage the development of courses to apply a minimum of 'life cycle literacy' to university students across various disciplines by increasing the availability, visibility and quality of their teaching on life cycle thinking but also encouraging critical systems thinking.</p>
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## Dirigido a

The origin of the students which may be interested in this summer school is expected to be multiple, as the course topic can be applied to many different areas and disciplines. For that reason, the students which could be interested in this summer course are:

- Students involved in PHD programs from the Science, Technology and Engineering School (University of Granada).
- Students involved in PHD programs from the Humanities, Social Sciences and Law School (University of Granada).
- Students involved in PHD programs from the University of Bologna (Italy)
- Students involved in PHD programs from the University of Padova (Italy)

## Fecha

From 26th To 30th June 2023

## Número de plazas ofertadas

- University of Granada. Arqus Alliance: 5 – 10 students
- University of Bologna: 2 – 4 students
- University of Padova: Arqus Alliance: 3 – 6 students

## Lugar de celebración

ETS de Ingeniería de Caminos, Canales y Puertos. Campus de Fuentenueva s/n. University of Granada

Source: [https://escuelaposgrado.ugr.es/doctorado/escuelas/escuelasdeverano/2023/idss\\_2023/sustainability\\_life\\_cycle](https://escuelaposgrado.ugr.es/doctorado/escuelas/escuelasdeverano/2023/idss_2023/sustainability_life_cycle)

## Responsable

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## Comité organizador

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- Bonoli, Alessandra. Universidad de Bolonia (Italia)
- M<sup>a</sup> Cristina Lavagnolo. Universidad de Padua (Italia)

## Grupo/s implicados/profesorado

### Grupos implicados:

- Research Group TEP 968: Technologies for Circular Economy. University of Granada (Spain)
- Department of Civil, Chemical, Environmental and Materials Engineering. University of Bologna (Italy)
- Department of Civil and Environmental Engineering and Architecture. University of Padova (Italy)

### Profesorado:

- Luz Marina Ruiz Hernández. University of Granada (Spain). Arqus Alliance
- Valentín Molina Moreno. University of Granada (Spain). Arqus Alliance
- Jesús Fernández Bayo. University of Granada (Spain). Arqus Alliance
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## Patrocinadores

- OMAWA
- Fundación AQUAE
- Cátedra HIDRALIA

## Universidades de la Alianza Arqus implicadas, en su caso

- University of Granada (Spain)
- University of Padova (Italy)