

This open educational resource has been developed by:

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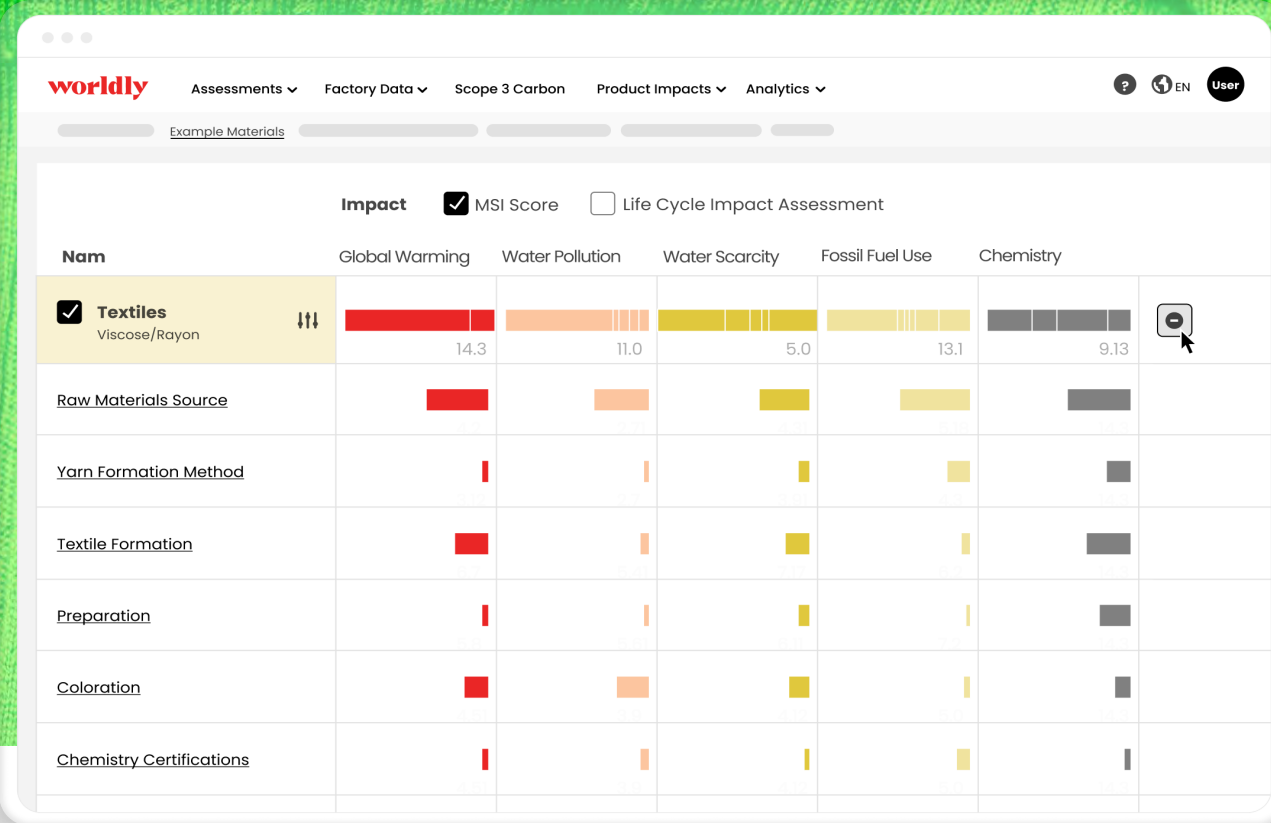


Photo by Essi Karell

## 6.6 Tools for assessing sustainability of textile product and value chain



SusTexEdu



Funded by the Erasmus+ Programme of the European Union

# SusTexEdu | Erasmus+

This learning material was developed in the Erasmus+ funded project [Education Partnership of Textile and Clothing Sector Materials & Sustainability \(SusTexEdu\)](#)

The goal of the project is to research and develop education in the textile and clothing sector related to textile materials, sustainability and circular economy.

The learning material has been prepared for piloting, and students will be asked for voluntary feedback after the course for the further development of the material.

**Project coordinator:** Metropolia UAS

**Partners:** Hogent (BE), Mome (HU), Omnia (FI), TTHK (EE), TTK UAS (EE), University of Borås (SE)

**Funding:** [Erasmus+](#)

**Project period:** 2022-2024



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# About this learning unit

## ▼ CONTENT DESCRIPTION

Assessment areas (global warming, eutrophication, water scarcity, resource depletion and chemistry).

Product Material tool for raw material source, yarn formation method, textile formation, preparation, coloration, additional certification requirement.

Product tool for Bill of material, finished goods manufacturing, packaging, logistics, retail, product care, end of use and duration of service.

## ▼ LEARNING OUTCOMES

After completing the unit, the student is able to have a practical knowledge of different programs of sustainability assessment;  
to (demonstrate the ability to assess and) choose relevant tools for assessing, designing and development of sustainable textile products.

## ▼ STUDENT WORKLOAD

1 ECTS, which is equal to 27 hours of work.

# Contents

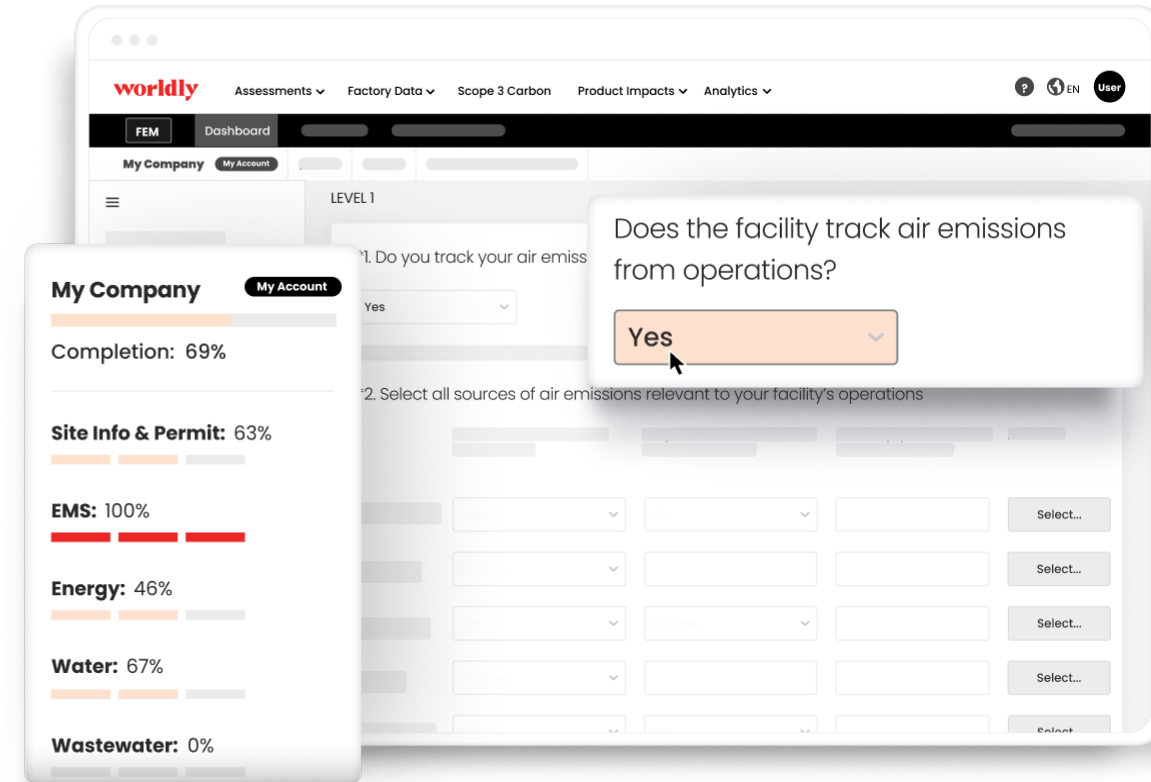
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- ❖ [Assignment for the topic](#)

# Introduction to Worldly

“As the planet’s most comprehensive impact intelligence platform, Worldly delivers real data specific to your supply chain and products — all in one place, so you can know your true impact.” (Worldly, 2024)

## Higg Index

The Higg Index is developed and owned by [Cascale](#) (formerly the Sustainable Apparel Coalition), a global nonprofit alliance of 300+ brands, retailers, and manufacturers. Cascale serves as a standardized measurement framework that has become the most widely-used within the apparel and consumer goods industries. Worldly is the exclusive licensee of the Higg Index.



# Worldly Assessment Tools

- ❖ Higg FEM (Facility Environmental Module)
- ❖ Higg FSLM (Facility Social and Labor Module)
- ❖ Higg BRM (Brand and Retail Module)
- ❖ Higg MSI (Material sustainability Index)
- ❖ Higg PM (Product Module)

# Higg MSI

The Higg Materials Sustainability Index (MSI) provides access to a large amount of relevant information about the impacts of material production used in the apparel, footwear, and home textile industries.

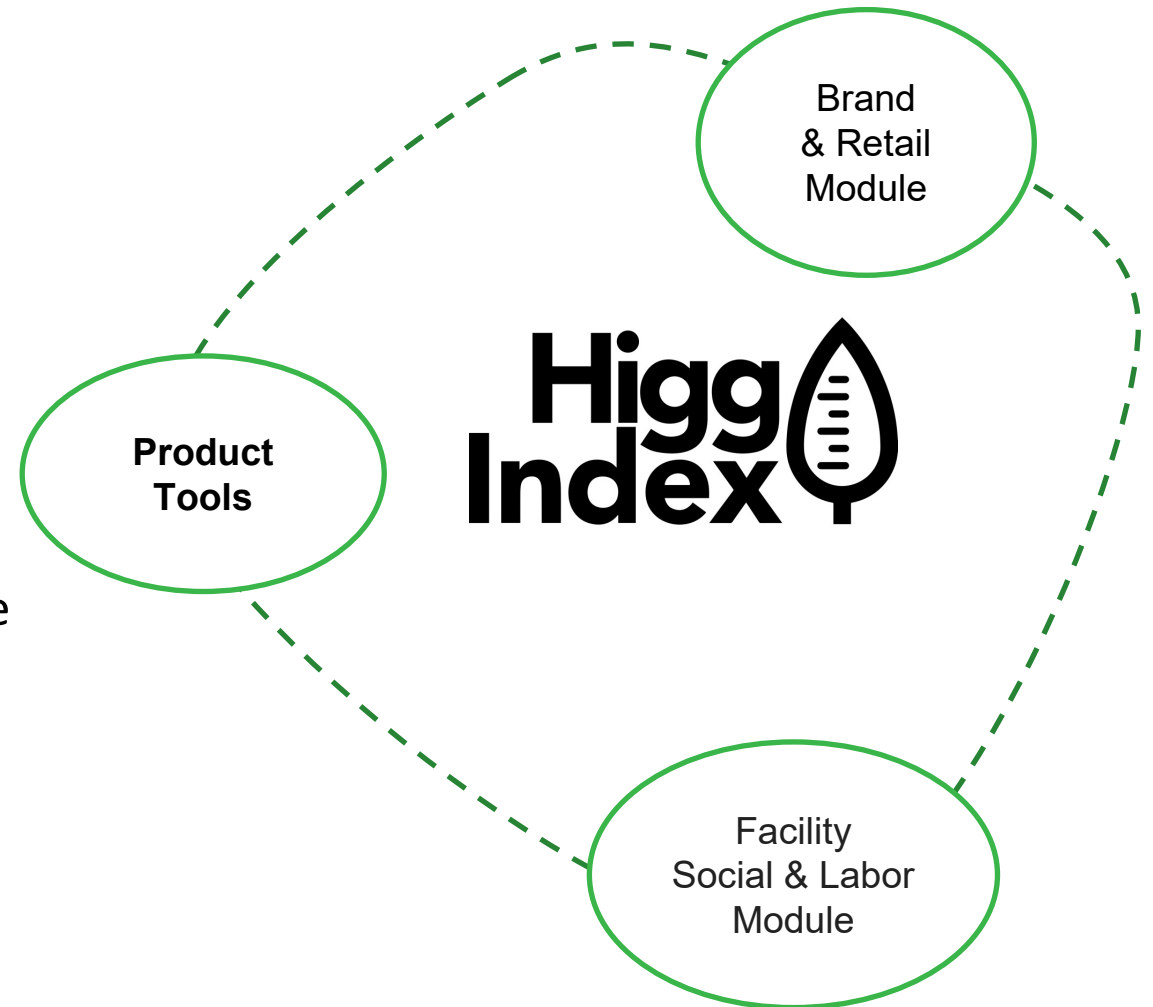
You can leverage the information in different ways to get a clear understanding of what is causing different types of material impacts, and different production processes that can be used to reduce those impacts.



# Higg MSI

The Higg Product Module helps companies assess product impacts and develop more sustainable products consistently across industries.

The Higg Product Module calculates five environmental impacts generated across the product's full lifecycle (cradle-to-grave).





# Link to the Assessment Tool

<https://worldly.io/>

# Assignment for the tool

Select 5 textile clothing products with having different fibre content and fabric composition from an existing brand and use HIGG MSI and HIGG PM to develop the assessment data and compare all 5 products from their impact on global warming, eutrophication, water scarcity, resource depletion and chemistry.



## Tips to read more

E.g. Cascale Event 18<sup>th</sup> June 2024:

[Cascale, Worldly Webinar Explores Links Between Higg  
BRM, CSRD, and CS3D](#)



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Visit [the project website](#) to see all the intellectual outputs of the project.



*Photo: Essi Karell*



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**Disclaimer:**

This learning material reflects the views of the authors and the European Commission cannot be held responsible for any use which may be made of the information it contains.



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