



The MIT Club of Germany has created an open-source community on sustainable supply chains, with the intent to share knowledge and create open-source IP that enables organizations with the sustainability transformation of their operations and global supply chains.

The community adds the following value to its members:

- Be part of the global MIT network
- Learn about sustainable supply chains
- Contribute open-source IP
- Build personal brand
- Extend professional network to spot commercial opportunities

We are offering students at all levels the opportunity to become part of our activities and generate synergies with what see need to do anyway during their studies, e.g. industry projects or master thesis.

Our initiative includes the following topics and covers the technology as well as business aspect of sustainable supply chains:

- Digital Twins
- Data Spaces
- Digital Product Passport
- GenAI
- Solution and Enterprise Architecture
- Business Process Management
- Sustainability Transformation Frameworks and Methods

Our main goal is to accelerate the development of digital solutions, while improving quality through a combination of model-driven development and GenAI.

Here two examples of projects that are already in the planning phase with other students.

1. Circular Economy – Re-Manufacturing – Master thesis
How can we use model-driven development, standards and GenAI to build digital application for re-manufacturing faster in in better quality?
2. Sustainability Reporting – Industry project
How can we use digital technologies like Digital Twins and Data Space to optimize the collection and verification of sustainability data that is needed for CSRD reporting?

In our co-innovation network, we work with different organizations like Catena-X, Fraunhofer, Mega, SAP, Microsoft, Institute of Asset Management and MIT the Alumni Energy, Environment and Sustainability Network to develop open-source frameworks, methods and tools to help the industry with transforming their operations and supply chains following the Triple Bottomline approach.