

Sustainability Footprint Management

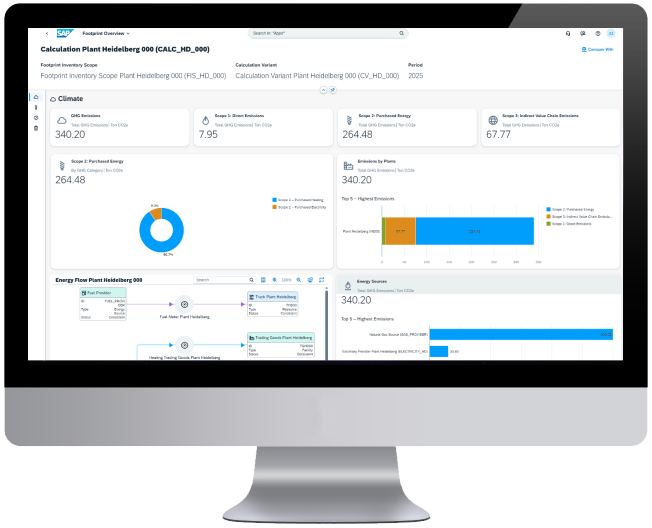
Teaching and Learning Environment
SAP University Competence Center Magdeburg

Key Features and Overview

With SAP Sustainability Footprint Management (SFM), your students learn how to calculate the carbon footprint of a company. It forms the basis for sustainability reports, such as those companies have to submit under ESG reporting in the EU. Using our fictitious bicycle company Global Bike as an example, students model energy flows, calculate the footprints of individual sites and consolidate them into a corporate carbon balance.

The results form the basis for business decisions. Students analyze where emissions come from and derive recommendations for management. In this way, they combine business thinking with practical sustainability management in an SAP system.

The curriculum is aimed primarily at business students, but is also of interest to students in interdisciplinary programs such as business informatics or industrial engineering.



SAP Sustainable Footprint Management Dashboard

The Curriculum

SFM Energy Flow

In this introductory exercise, students learn how energy flows are modeled in SAP SFM. They see which energy sources and raw materials are required at a Global Bike site and how these are recorded and counted. The energy flow is presented in a simplified way so that the relationships are easy to understand.

SFM Calculation

Building on the energy flow model, students calculate the carbon footprint for the Heidelberg plant. They learn how calculation variants and accounting boundaries are defined and how a result is derived from business transactions and greenhouse gas data.

Sustainability Footprint Management

In this case study, students extend the scope. They model and calculate the carbon footprint for the Hamburg distribution center and then consolidate both sites into one corporate footprint for Global Bike Germany for the year 2025. Finally, they compare the results and derive a management recommendation.

Learning Options

Sandbox Learning Environment (free)

- Environment shared globally with other academic institutions
- For up to 50 students and 2 instructors
- Ideal for demos and non-critical lectures

Exclusive Learning Environment

- Exclusive access for individual academic institutions
- For up to 100 students and 5 instructors
- Well suited for graded courses, research and co-innovation projects

Services for teaching, research and co-innovation

SAP University Alliances is a global program that provides more than 3,000 universities with free SAP software licenses for academic purposes. Within this program the SAP University Competence Centers (UCC) host SAP solutions for teaching, research and co-innovation.

In addition UCCs develop and manage academic teaching materials to assist lecturers and researchers. While UCCs assure 24/7 availability of complex system landscapes and support users closely, faculty members can fully concentrate on their core competences: teaching and research.

By using our scenario-based and practical curricula on latest SAP solutions, lecturers and students can reach their full potential. Our comprehensive teaching materials consist of presentations, case studies and hands-on exercises. Additional teaching tools facilitate continuous student assessments and foster group discussions.

Our experts can support you through all phases.

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