Innovative logistics and supply chain management solutions provide companies with key success factors in a complex and volatile environment. As the largest national research and education unit in the logistics sector, Logistikum offers a platform for this. In more than 100 research projects since the foundation in 2006, the Logistikum has been working with interdisciplinary teams and integrating international partners with a focus on competence in supply chain management, mobility & traffic logistics and logistics management. In addition to applied research, Logistikum, as a centre of excellence at FH Upper Austria, is strengthening international cooperation and basic research in selected research fields.

Research Topics

- Supply chain complexity
- Supply chain healthcare
- Predictive analytics
- Risk and resilience
- Cooperation and competition
- Supply chain planning
- Urban mobility living lab
- Industry mobility
- Sustainable transport systems
- World water management
- Logistics technology centre
- Trade and last mile
- Smart hyperconnected logistic systems
- Physical Internet (PI)

Flagship Projects

ATROPINE: Fast Track to the Physical Internet
The Physical Internet (PI) model is a systemic view of the entire value chain from different perspectives of the discipline of logistics. The evaluation of the application of a PI concept to Upper Austrian enterprises and the creation of a PI model region are the focus of this project. Partners: VNL, RISC Software GmbH, FH Upper Austria Hagenberg Campus, JKU Linz and many company partners.

DigiTrans: Freight Mobility in Upper Austria
DigiTrans is dedicated to the design and operation of the test region according to the requirements of industry, freight mobility providers and infrastructure operators. The DigiTrans test track for goods mobility is open to all vehicle manufacturers and service companies who have committed themselves to new goods mobility with assisted and self-propelled vehicles to test requirements for system tuning and integration with new, automated solutions. Partners: Automotive Cluster, AIT, IESTA.

QSAM: Quick Scan Audit Method
The Quick Scan Audit Method (QSAM) is a tool for diagnosing and identifying current problems, main obstacles as well as opportunities and success potentials along the entire supply chain. Within five days concrete statements can be made about the current performance of a company – in conjunction with its customer and supplier relationships. QSAM helps companies to provide a holistic view of their supply chain structures.
PROMINENT: Promoting Innovation in the Inland Waterway Transport Sector
The aim is to standardize and modularize environmentally friendly technologies and concepts. Using radical innovations skippers can upgrade to 2020 for technological, logistical, social and environmental challenges. A total of 17 European partners are involved in the project. Partners: STC Group, via donau, Stichting Projecten Binnenvaart, Pro Danube Management GmbH, Ecorys Nederland B.V., TÜV Nord Mobility GmbH & Co, Development Centre for Ship Technology and Transport Systems, University of Craiova, TNO, Panteia B.V. and many more.

Transport School Lab
The trimodal Ennshafen, as an important logistics hub in Austria, offers suitable conditions for sustainable transport systems, inland shipping or alternative fuels. Interested groups are involved in this school lab with a variety of programme points: interactive expert talks, transport cost calculations, optimization of transport processes using the LEGO simulator. Partner: Ennshafen

MobiLab: Industrial mobility laboratory Upper Austria
Players in the mobility and transport sector are active in a complex environment of different requirements, strategies and objectives, which can only be partially considered in the context of classic research and development projects. For this reason, Logistikum, the logistics centre Steyr, has set itself the goal of creating a suitable research structure. The mobility laboratory is a structure that can be used for the development, testing and demonstration of innovative solutions. It is applied to the example of future mobility challenges in the central Upper Austrian area of Linz-Wels-Steyr. Partners: evolaris next level GmbH, AIT Austrian Institute of Technology Ltd.

LogLab: Logistics Laboratory
The logistics laboratory at the Technology Campus Grafenau and FH Upper Austria Steyr Campus develops and implements a simulation laboratory for the data-driven improvement of logistical planning processes in a value chain. Partner: University of Deggendorf – Technology Campus Grafenau

Check this out: www.logistikum.at/en

Research & Development at FH Upper Austria
More than 440 researchers at FH Upper Austria use their expertise within 17 thematic areas.

A total of € 17.34 million of research funding is available per year, with almost 350 ongoing national and international projects being financed.

We cooperate with about 630 partners from industry and business.

Take a look at...
Prof. DI Franz Staberhofer
talking about Logistikum:
www.youtube.com

Contact
Prof. DI Franz Staberhofer
Head of Studies International Logistics Management (Bachelor) and Supply Chain Management (Master)
University of Applied Sciences Upper Austria
School of Management
Wehrgrabengasse 1-3, 4400 Steyr/Austria
franz.staberhofer@fh-steyr.at
Phone: +43 5 0804 33200
forschung.fh-ooe.at/en