



## SUPPLY CHAIN MANAGEMENT

### Project “Development of a competence network for the analysis and visualization of logistic value-added networks” (LogNetz)

Logistics value-added networks are complex structures consisting of independent corporate partners, the relationships between these partners and a large number of stakeholders. In order to oversee or optimize these networks in the context of global competition, state-of-the-art methods of data acquisition, visualization and analysis are required. This represents a major challenge for many SMEs. The aim of the project is to establish a competence network on this topic.

After surveying the status quo of small and medium-sized enterprises (SMEs) in the project region Austria-Bavaria, open questions are checked for relevance and potential. Based on this, case studies will be carried out together with companies from the project region, which will serve as best practice examples for other companies. The goal of these case studies is the development and user-friendly preparation of methods (analyses, visualizations, optimizations) to extract decision-relevant knowledge from network data. The knowledge gained as well as the necessary skills to repeat similar projects in one's own company are transferred to the economy by means of workshops. The publication of the case studies and workshop contents serves as a basis for further activities.

In order to gain an overview or optimize logistics value-added networks in the context of global competition, it is necessary to obtain network data and systematically evaluate and interpret them.

In addition to its expertise in logistics and supply chain management, the consortium brings a high level of expertise in machine learning and operations research to the project. Only together can the complex methods of network analysis be prepared and communicated in such a way that SMEs can profit from them in the long term. Embedded in other projects in the region, such as KMU 4.0, which supports SMEs in the digital transformation, this can contribute to the sustainable strengthening of the border region.

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The project partners:



Associated partners:

