

Based on academic excellence Northern LEAD contributes to a sustainable logistics development, which gives companies competitive advantages and benefits to society.

Research is directed at problems with clear industrial and societal relevance, conducted in collaboration with the stakeholders.

A few examples of recent research streams and problems are:

- Effective transport purchasing for sustainable logistics
- Sustainable urban freight solutions
- Effects of supply chain finance visibility
- Value-adding and real-time information sharing in the supply chain
- Effects and managing of disturbances and disruptions in the supply chain
- Energy efficiency in freight transport
- Optimizing industrial service and maintenance
- New technology and automation in warehousing
- Real-time information exchange for transport management

For comprehensive information on projects and activities, please visit [northernlead.se](http://northernlead.se)

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Northern LEAD is founded by Chalmers University of Technology, University of Gothenburg and the Logistics and Transport Society LTS

**NORTHERN  
LEAD**  
Logistics Research Centre

**Moving forward**  
-by circulating knowledge



## About Northern LEAD

Northern LEAD works as organizer, facilitator and disseminator of highly relevant logistics research of high scientific quality.

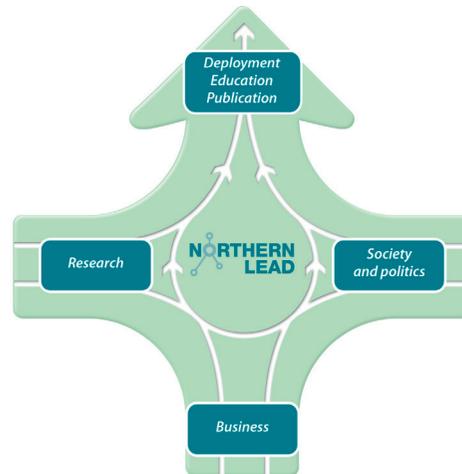
Northern LEAD coordinates and supports the logistics research at Chalmers University of Technology and University of Gothenburg to strengthen quality and relevance of the research.

Northern LEAD has an important role in the Sustainable Transport Initiative, for which Chalmers and University of Gothenburg have received strategic research funding.

Northern LEAD is an internationally recognised logistics and transport research centre positioned at the international research frontier.

## An arena for co-creating knowledge

Northern LEAD brings together the wide-ranging logistics research at Chalmers and University of Gothenburg and enables intensive and innovative collaboration within and between academia, industry, authorities and other organizations.



Our international network includes world-class research institutions and we are deeply involved in the European Community organizations within logistics.

For the involved researchers, companies, authorities, and other organizations, Northern LEAD offers a collaborative arena for logistics research projects that span several scientific disciplines. The joint effort leads to high quality research, improved education, actionable knowledge, and real improvement and innovation.

## Who we are

The work at Northern LEAD is based on a core of five research groups and associated researchers, from various disciplines.

Northern LEAD engages a dozen professors and about 80 researchers and PhD students.

Our research is based on the following nine core competence areas:

- Business relationships and networks
- Purchasing and supply networks
- Distribution structures and strategies
- Manufacturing planning and control
- Materials handling
- Intermodal transport
- Mathematical optimisation in logistics and transport
- Transport and logistics services
- ICT and ITS