



Research in motion

Institute of Transport Economics

Norwegian Centre for Transport Research, Oslo

The Institute of Transport Economics (Transportøkonomisk institutt –TØI), established in 1964, is a national, Norwegian institution for multidisciplinary transport research.

The Institute is an independent, non-profit research foundation. It holds no interests in any commercial, manufacturing or supplying organisation. Its mission is to develop and disseminate transportation knowledge of scientific quality and practical application.

Staff and projects

TØI has a multidisciplinary research environment with approximately 85 employees, of which about 70 are researchers. The Institute will normally have at least 200 research projects in progress at any one time, most of them being commissioned.

Its sphere of activity includes most of the current issues in road, rail, sea and air transport, as well as urban mobility, environmental sustainability and road safety. In recent years the Institute has been engaged in more than 70 research projects under EU's Research Framework Programmes.

Core values

- Independence: conclusions follow from the analysis, not from the vested interests of clients or stakeholders
- Transparency: methods, assumptions and results are accounted for and made public
- Teamwork: co-workers share their knowledge, competence and data, for a maximally efficient use of the Institute's material and human resources

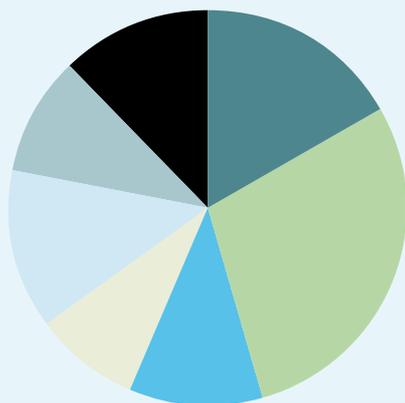
Funding

The Institute's turnover in 2012 was approximately NOK 90 million, i.e. about €11 million. About 40 per cent stems from the Research Council of Norway (basic funding and competitive projects). The Norwegian Public Roads Administration are the Institute's second major client. International clients represent 12 per cent of the funding.

The board

TØI has a board appointed by the Norwegian Ministry of Transport and Communications (3), the Research Council of Norway (3) and the employees (2).

Research Staff



- Engineers 13
- Economists 28
- Geographers 5
- Psychologists 6
- Sociologist 12
- Political Scientists 9
- Other 8



CIENS

Since October 2006, TØI has been part of the Oslo Centre for Interdisciplinary Environmental and Social Research (CIENS). Being located next to the main campus of the University of Oslo, the centre consists of nine legally independent research institutes with a combined staff of about 500 persons. The aim of CIENS is to help solve the substantial and complex challenges arising in the interface between environment, business, and politics. See www.ciens.no

Dissemination and communication

Over the last few years, researchers at the Institute have authored or co-authored 30–40 articles per year in peer reviewed scientific journals or books. The Institute also issues some 60 to 70 research reports each year. Some are in English, and most of those published in Norwegian have brief English summaries, available on the Internet. See www.toi.no

The Institute publishes the magazine “Samferdsel” (in Norwegian) with ten issues annually. The English language magazine “Nordic Road & Transport Research” www.vti.se/nordic, summarising transport research results from the Nordic countries, is published in cooperation between the major transport research institutes of the respective countries. It is distributed free of charge.

The Institute’s management and staff are frequent contributors at national and international research conferences, and every year they hold 200–250 presentations for the research community and general public.

ECTRI

The Institute of Transport Economics is among the founding members of the European Conference of Transport Research Institutes (ECTRI), which was established in 2002. ECTRI aims to promote research contributing to a safe, efficient, and cost effective intermodal transport system in Europe. Read more at www.ectri.org

SAFER

TØI is also a member of The Vehicle and Traffic Safety Centre (SAFER) at Chalmers in Göteborg, Sweden, a joint research unit where academy, industry and authorities cooperate in the design of future vehicle and road safety systems.

Organisational and editorial work

The Institute is represented in several international transport organisations and expert committees. About 20 percent of the researchers are editors, co-editors or members of the editorial board of various international professional journals.

Funding (projects in 2013, per cent)





Management



Managing Director
Gunnar Lindberg
gli@toi.no



Deputy Managing Director and Research Director, Department of Economics and Logistics
Kjell Werner Johansen
kjo@toi.no



Research Director, Department of Safety and Environment
Michael W.J. Sørensen
mis@toi.no



Research Director, Department of Mobility and Organisation
Frode Longva
flo@toi.no

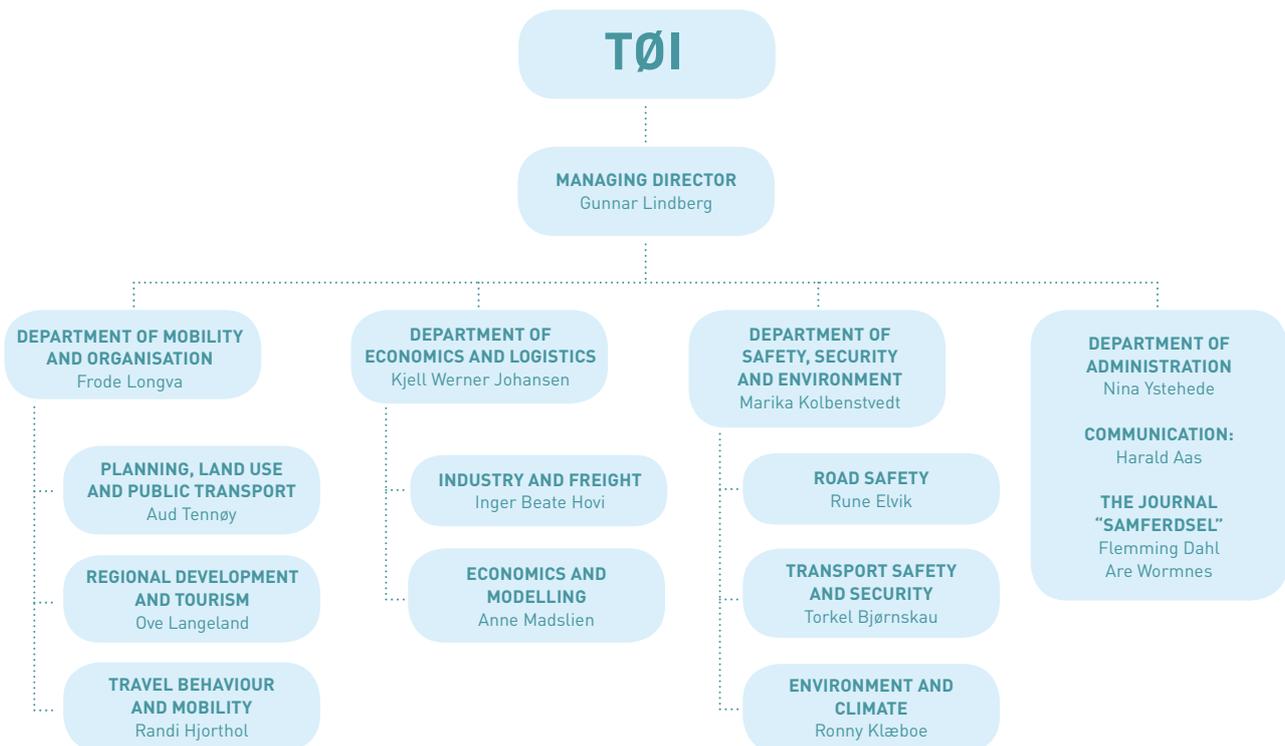


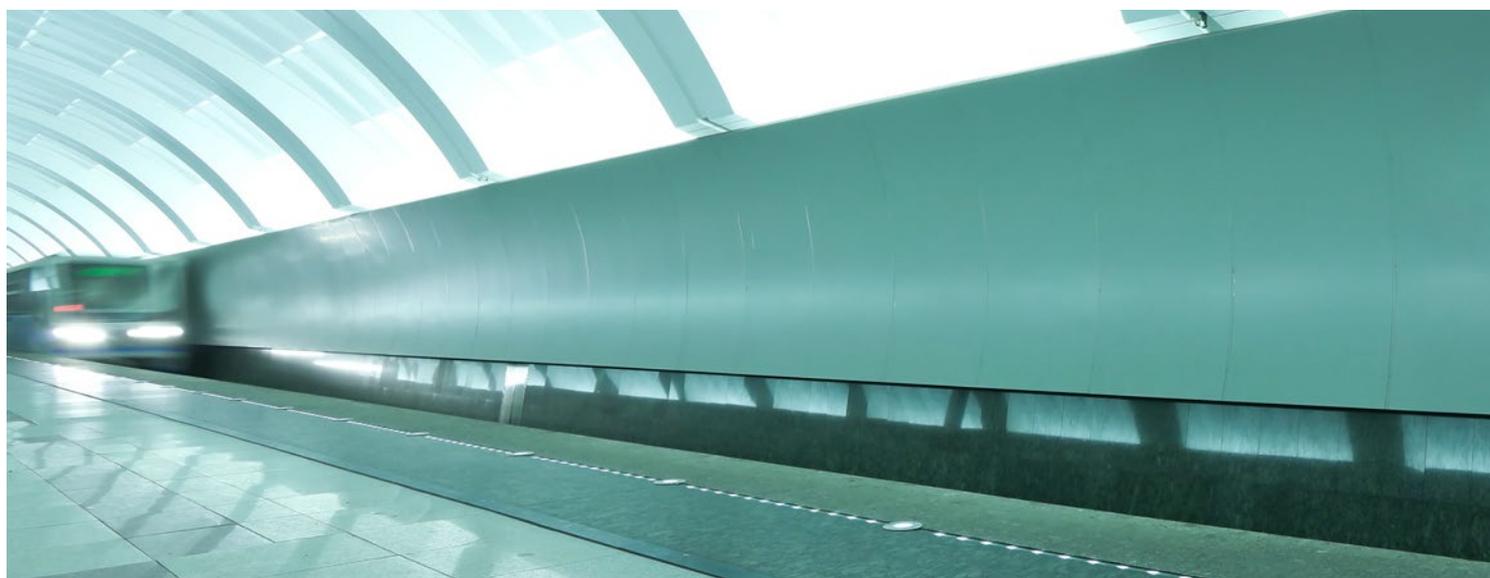
Director of Finance and Administration
Nina Ystehede
nys@toi.no



Head of Communication
Harald Aas
ha@toi.no

The Institute has three research departments covering eight thematic areas:





Research areas



Public transport, land use and transport planning

Aud Tennøy
Chief Research Officer
ate@toi.no

Within this research area we study whether and how the current land use and transport planning contributes to the achievement of societal objectives related to transport performance, environment, climate, equity and economy. We analyse how the organisation and financing of public transport affect the system's efficiency as well as the population's travel behaviour, and how reforms in public management and planning may influence which measures are implemented, and hence the degree to which societal objectives are achieved.

Important topics are climate friendly and attractive cities, user oriented public transport system design concepts, regulation and parking policies, mobility and bicycle planning, the interactions between transport policy and land use, the effects of shopping development on transport and the environment, the effects of deregulation and different regulatory regimes in public transport, funding and incentive models, and the organisation and management of transport companies and their human resources.



Environment and Climate

Ronny Klæboe
Chief Research Officer
rk@toi.no

This research area studies the effects of environmental exposures, measures, methods and tools to avoid and reduce environmental exposures. A challenge is to better understand how we cope with urban stressors, their health consequences, and the effectiveness of measures in meeting traffic growth.

One task is to price environmental goods so that such values can be included in cost-benefit calculations and more easily be taking into account as part of the ordinary procedures and usual tools of urban planners, developers, and road authorities. Developing innovative environmental indicators and evaluations of large infrastructure projects to see whether the environmental policy reforms deliver the expected results are also a part of the research programme.





Industry and Freight

Inger Beate Hovi
Chief Research Economist
ibh@toi.no

This research area applies quantitative and qualitative freight transport analysis in order to meet the knowledge needs of industry and public administration. Both micro and macro perspectives are used. The main topics include commodity flow analysis, logistics costs, freight transport forecasts, modal split and intermodality, localisation, efficiency, competition, market analysis and international logistics.



Regional Development and Tourism

Ove Langeland
Chief Research Officer
ola@toi.no

This research area includes studies of regional and urban development on local, regional, national and transnational level and, industry analysis of tourism and studies of tourism experiences.

Regional development studies focus on industry analyses and innovation and, particularly on the role of city-regions in regional development. It includes analyses of accessibility and mobility focusing on regional integration and interaction, impacts of transport policy and investments in infrastructure, communication and transport systems, which are important for a competitive and sustainable regional and industrial development.

Tourism has been a key topic at the Institute since the end of the 1960s and it includes economic impact analyses, tourism development studies and trend investigations, nature-based tourism and green tourism.



Travel Behaviour and Mobility

Randi Hjorthol
Chief Research Officer
rh@toi.no

This research area is concerned with social conditions for travel activity and mobility, developing theories and improving methods for collecting data on travel behaviour.

All transport modes and travel purposes are covered, whether private or work and business related. We also study the interplay between transport and ICT (information and communication technology), the social drivers for travel activity, and the perceptual aspects of journeys on the job and in everyday life.



Economics and Modelling

Anne Madslie
Chief Research Officer
am@toi.no

The research area includes the development and facilitation of methods, models, unit prices, etc. for use in the analysis and planning of the transport sector. A primary objective is to provide methodology and input to the National Transport Plan. A key issue is how the various policy measures affect on the transport volume and its economic efficiency, distribution and environmental footprint.

Under a joint venture agreement with the Dovre Group AS, we also perform economic assessments and quality assurance of large infrastructure investments for the Ministry of Finance.



Road Safety

Rune Elvik
Chief Research Officer
re@toi.no

This research area includes studies of factors that influence road accidents, methods for identifying hazardous road locations, and the meta-analytical summarizing of knowledge on accident countermeasures and environmental protection.

Revising *The Handbook of Road Safety Measures* is an important activity. A revised English edition was published in 2009 by Emerald Insight. The book has also been published in Finnish, Russian and Spanish. Updated parts of the book are published in Norwegian at the website of TØI.



Safety and Security

Torkel Bjørnskau
Chief Research Officer
tbj@toi.no

This research area aims to develop our understanding of risk in the context of crossmodal transport. Primary research topics are the perception of risk and behavioural adaptation, the calculation of risk based on travel behaviour surveys, the safety culture and “resilience” characterising the various modes of transport, the effects of education, training and information campaigns on road users’ behaviour and attitudes, the risk associated with driver impairment (alcohol, illness, fatigue and sleepiness), the crash risk and traffic skills of different age groups (novice drivers, elderly drivers), as well as game theoretical assessment of security measures.





www.toi.no

Read more at our web site www.toi.no. There you will find more detailed information about Research areas, research personnel, e-mail addresses, new reports, and report summaries.



Postal address:

Institute of Transport Economics
Gaustadalléen 21
NO-0349 Oslo
Norway

Office:

Oslo Innovation Centre (Forskingsparken)
Gaustadalléen 21
Telephone: +47 22 57 38 00
Telefax: +47 22 60 92 00
E-mail: toi@toi.no
Home page: www.toi.no

