

THE PARTNERS



The Swedish Road Administration Northern Region (The Lead Partner)
The Swedish Forest Agency



The Lappi Region, The Savo-Karjala Region and The Keski-Suomi Region of The Finnish Road Administration



The Government of Greenland



The Icelandic Road Administration



The Northern Region of The Norwegian Public Roads Administration



The Highland Council, The Forestry Commission Scotland and The Western Isles Council, Comhairle Nan Eilean Siar



National Roads Authority
Department of Transport

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SHARING ROADS INFORMATION ACROSS THE EU NORTHERN PERIPHERY



THIS PROJECT IS BEING PART-FINANCED
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Northern
Periphery
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2007–2013

Innovatively investing
in Europe's Northern
Periphery for a sustainable
and prosperous future



ROADDEX
Implementing Accessibility
WWW.ROADDEX.ORG



THE ROADEx PROJECT

The ROADEx Project is an EU funded trans-national collaboration of northern European roads organisations whose aim is to share roads information and research. ROADEx was started in 1998 as a 3 year Pilot project that was subsequently extended by ROADEx II, "The Research Project", from 2002 to 2005 and ROADEx III "The Dissemination Project" which ran from 2006 to 2007. The present project partners currently span the whole of the EU Northern Periphery: north Finland, north Scotland, northern Norway, northern Sweden, the north and west of Ireland, and all of Greenland and Iceland.

"ROADEx IMPLEMENTING ACCESSIBILITY" (2009-2012)

The "ROADEx Implementing Accessibility" project is the latest collaboration by the ROADEx Partners. It aims to implement the road technologies developed by ROADEx on to the Partner road networks and thereby improve their operational efficiency and, importantly, save money. The Lead Partner for the project is the Northern Region of The Swedish Road Administration and the main project consultant is Roadscanners Oy. The project was awarded funding from the EU Northern Periphery Programme in September 2009 and held its first Steering Committee meeting in Luleå in November 2009.

DEMONSTRATION PROJECTS

A main part of the new Project is a series of 23 demonstration projects in the local Partner areas to showcase the innovations produced through ROADEx. The demonstrations will be assisted by a new pan-regional "ROADEx Consultancy Service" and supported by the new web-based "Knowledge Centre". The demonstrations will be in 6 categories:

- D1 "Drainage Maintenance Guidelines"
- D2 "Road friendly vehicles and Tyre Pressure Control"
- D3 "Forest Road policies"
- D4 "Rutting, from theory to practice"
- D5 "Roads on Peat"
- D6 "Vehicle Vibration and Driver Health"

Through these demonstrations, the staff of local roads offices will be able to contribute directly to ROADEx philosophy and experience the benefits and cost savings that can result.

RESEARCH AND DEVELOPMENT

Shared research and development is a constant thread in ROADEx and 3 research projects have been commissioned as part of the new Project:

- Task D1** "Climate change and its consequences on the maintenance of low volume roads". This issue is becoming increasingly visible on the Partner road networks. Effects already being noticed include; changes in winter temperatures, changes in rainfall intensity, increases in incidences of landslides, increases in incidences of flooding, etc. These have had a measurable effect on the maintenance and durability of the Partner roads and long term strategies are urgently required to address these effects.
- Task D2** "Widening of roads". The cost effective widening of roads is a major issue that faces the Partners and new design guidelines specifically tailored to the harsh conditions of the Northern Periphery are required to meet the demands of modern traffic.
- Task D3** "Vibration in vehicles and humans due to road condition". The ROADEx III project produced a groundbreaking report into the effects of road maintenance standards on vehicle and human vibration and this has created great interest across roads administrations. New research will be undertaken into the effects of different standards of summer and winter road maintenance can affect human health.

ELEARNING

The ROADEx III Project commenced an innovative eLearning package to spread the ROADEx outputs to the widest audience possible. The first package on permanent deformation has already been widely acclaimed. The new Project will extend this further to new area of "Drainage", "Roads on Peat", and the "Environmental Considerations of Roadworks". All packages will be available free of charge on the ROADEx website.

