



ROADEX II
NORTHERN PERIPHERY II

ROADEX II

Interactive and innovative road management of low traffic volume roads through a technical information exchange across the Northern Periphery

Low traffic volume roads in the Northern Periphery play a vital social and economic role in the development of communities. Accordingly, the roads managers of the Northern Periphery roads districts have a lead responsibility in tackling the engineering and societal problems presented by the environment and climatic conditions of northern latitudes, such as the long distances, sparse populations, remote settlements, difficult terrain, poor ground conditions, long winter seasons, low traffic volumes and high summer tourist influxes. Roadex II is a 3-year transnational technical collaboration across the Northern Periphery to develop ways for interactive and innovative road management of low traffic volume roads. It builds on the networks created during the previous successful Article 10 project with additional input from local industry involving heavy road haulage. The project deals directly with road and transport issues raised by the unique conditions of the NPP area. The main issues addressed in the ROADEX II project concern the interdependent relationships between local minor road networks, rural communities and industries, and how these can be improved for the benefit of all.

Objectives

ROADEX II aims to develop ways for interactive and innovative road condition management of low traffic volume roads in the Northern Periphery integrating the needs of local industry, roads districts and society at large. This will involve developing models, assessment methods, guidelines, tools and checklists to improve local road condition management taking into account the views of road users and stakeholders.

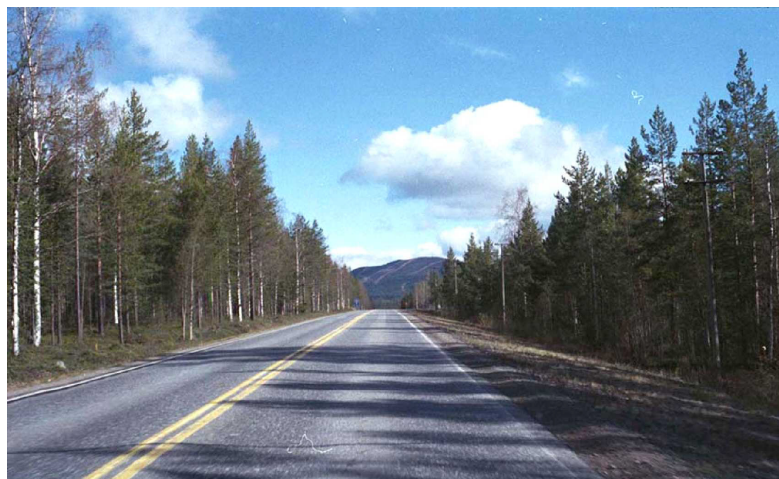
Project activities

The project involves selecting existing road sites in the Northern Periphery roads districts, which are known for giving problems to industries and communities, and using these sites as research locations to develop solutions for general application across the NPP area, in conjunction with stakeholders. Problems are identified, analysed and finally a new innovative solution is developed through transnational collaboration and exchange of knowledge.

Expected results

The expected overall result of the project will be a more interactive and innovative road district management across the Northern Periphery, which will in turn give a more effective road network and transport system for industry and road users generally. Measurable results will include:

- The development of appropriate and sustainable low cost road condition monitoring and pavement management systems suitable for Northern Periphery road networks;
- The identification and development of cost effective and affordable “fit for purpose” solutions to maintain rural low traffic volume roads in an acceptable condition;
- The analysis of actual costs and other impacts for road users if local minor roads are left to deteriorate;
- The identification and analysis of the logistical problems posed to industry by deficiencies in the road network;
- The development of a set of road condition management tools for Northern Periphery road managers;
- The development of environmental guidelines/checklists for road maintenance activities.
- The production of a multi-media DVD for disseminating information about the project and its findings



Partners

The Finnish Road Administration District of Keski Suomi - Finland
The Swedish National Roads Administration, Northern Region - Sweden
The Norwegian Roads Administration, Troms District - Norway
Forest Enterprise/Forest Civil Engineering - Scotland
Metsähallitus - Finland
Lapin metsäkeskus (Forestry Centre of Lapland) - Finland
Metsäliitto osuukunta - Finland
Stora-Enso Oyj - Finland
The Norwegian Haulage Association - Norway
Comhairle nan Eilean Siar (Western Isles Council) - Scotland

Project website

<http://www.roadex.org>

Measure
1.1

Total Budget
511 250

NPP Award
225 000

Project Period
01/02/2002 – 30/04/2005

Countries Involved
Scotland, Norway, Sweden,
Finland

Project owner
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