



Intelligent Road

safety by arctic know-how



PUBLIC WEB APPLICATION

For the last winter period of the project we have made a combined view on various data available. You can access the map from this link:

<http://data.intelligentroad.eu/vis/map/hour/>

Upcoming features are for example more detailed friction information, road temperature and water layer thickness. Also the data visualization will be further optimized.

Feel free to send us comments by e-mail to Heikki.konttaniemi@arcticpower.fi

MOBILE APPS ON THEIR WAY

The Software Engineering Lab of Lapland UAS and the students of Luleå Technical University are currently creating mobile phone applications based on the road-weather and road condition data. The applications will be put on test for road-users during the Spring 2014.

The idea of the applications is to show the upcoming road conditions but also communicate real-time information from the in-vehicle sensors to the drivers.



Safety for arctic roads! Intelligent Road system - preventing accidents on the arctic roads.

Safety by technology! Real-time conditions information collected from vehicle-sensors, road-side technology, road-weather stations and weather forecasts.

Arctic know-how! Collaboration of expert organizations from the arctic area.

Visit us at www.intelligentroad.eu and learn more.



Nordkalotträdet
Pohjoiskalotin neuvosto
The North Calotte Council



REGIONAL COUNCIL
OF LAPLAND

IN COLLABORATION WITH:

Sten Löfving Optical Sensors, Eistec, Rajd SysTech, Luleå Municipality, TraFi, Vaisala, Sunit, Kuljetus Kovalainen



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INTELLIGENT ROAD PRESENTED INTERNATIONALLY

The overall description of the Intelligent Road system was presented in La Massana, Andorra in the end of January 2014 in the 17th Standing International Road Weather Congress (SIRWEC.) The presentation was made by the article's main author **Matti Autioniemi** from the Arctic Power research unit of Lapland University of Applied Sciences. You can find the material from these links:

[Intelligent Road – Arctic RWIS demonstration platform Poster for the article](#)



 17th International Road Weather Conference
Andorra, January 30 to February 1, 2014



Johan Casselgren, assistant professor at Luleå Technical University, presented the project outcomes in the Winter Road Congress in Jyväskylä in the beginning of January. The event gathered international audience from the sector of road maintenance and winter road mobility. You can find the presentation here:

[Intelligent Road system in winter road maintenance](#)

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DEMONSTRATION HELD IN ROVANIEMI

The Intelligent Road project outcomes were presented jointly to stakeholders in Rovaniemi in December 2013. The local event showcased the Intelligent Road map visualization, tablet-view of road-weather station's services and also the audience could see the various sensors mounted in a vehicle.

Sampo Hietanen from ITS Finland was a guest-speaker in the event. He held his presentation about the possibilities and trends of Intelligent Transport Solutions (ITS) nationally and world-wide.

FINAL PERIOD OF THE PROJECT STARTING

Intelligent Road will finish the project activities by the end of May. The final outcomes of the project will be communicated with a stakeholder newsletter during the summer 2014.

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