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New experiments in the field of Thermal Mapping and forecasting Road Surface Condition.

by

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Abstract:

Some new equipment for registration of road conditions were presented during the last SIRWEC CONFERENCE in Birmingham, U.K. in 1996 by Finn Krogh Christensen, Road Directorate, Copenhagen.

During the winter 1996-97 this equipment has been widely used to detect WHITE SPOTS, but also to provide basic data for a THERMAL MAPPING PROJECT, which should end up in a nowcasting model for the conditions of entire road sections.

This is of course not a new thing - however, the degree of detail in the very short range forecasts based on our operational road-weather model might be quite unique.

The registrations have been carried out on an approximately 80 km long road section, where data from 5 fixed road weather stations are available every 10 minutes.

Based on hourly forecasts for each of those stations a section forecast can be made. Some preliminary results in this field will be presented at the Conference.