

ISSUE: 05. OPERATIONAL APPROACHES, EQUIPMENT AND PRODUCTS FOR WINTER CONDITIONS

SUB-ISSUE: Management of winter operations

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Room: C

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Presentation title:

INNOVATIVE WINTER MAINTENANCE GUIDELINES IN AUSTRIA

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Summary:

The technology of using pre-wetted-salt in winter maintenance is a standard in Austria. In order to improve the winter maintenance techniques, the federal states, the Austrian highway operating company ASFINAG and the federal ministry of Transport (BMVIT) funded a research project at the Institute of Transportation (Vienna University of Technology). The goal was to investigate the question of the necessary salt application rate and timing in order to optimize winter maintenance and improve the road safety. The developed model allows a determination of the necessary application rate and timing of de-icing agents as a function of snow fall, traffic and road surface temperature over several salt-spreading-cycles.

