

Action plan for Road Technology

Plan for period 1st July 2024 - 30th June 2028

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Terms of reference

A working group will be established to exchange experience in road technology. Road technology is about road materials, pavements design and road degradation. The working group should address the following matters:

- a) Sustainable approach to choose and recycling of materials in the road sector
 - Pavement and resource management (in Norway 60% recycled material in the pavements, in Sweden 25%, a need for discussions)
 - The methodologies and approaches that may support a sustainable choice of materials.
 - Recycling and reuse of roads
 - Recycling of materials and incorporation of waste products in road pavement, reduce the use of new material and the use of machines and tools that promote a sustainable choice of materials.
- a) The functional properties of the road over time
 - How to build new roads and adapt current roads with environmental changes.
 - How the road degrades and how to best measure the degradation of the road. This particularly concerns functional properties such as noise, evenness and rolling resistance.
 - Promote methods for objective measuring and to share knowledge about how to use the measurements optimally in the road maintenance systems.
 - The advantages and disadvantages of the new methods and how the introduction of new methods affects the need to replace corresponding older methods in the countries' road maintenance systems.
 - How best to measure the road's CO2 footprint and how to reduce the CO2 footprint by minimizing rolling resistance.
 - Aging infrastructure, Prioritization of the road network

2025 deadlines:

**Focus areas and Planned Actions: 15th October 2024
Reporting and follow-up on the action plan: 1st November 2025**

Focus Areas	Planned Actions	Short Report on the Completed Plans
<p>We intend to reflect NVF's role by exchanging information, knowledge experience and best practices between the countries and among the members of the working group. This working group will exchange experience in road technology (=road materials, pavements design and road degradation). The Road Technology working group has two focus areas (topics) to work on this period (a-b). New topic (c) can be a later focus.</p> <p>a) Sustainable approach to choose and recycling of materials in the road sector.</p> <p>b) The functional properties of the road over time</p> <p>c) Aging infrastructure, Prioritization of the road network.</p> <p>In addition, we have the common theme with the other WGs, Climate and environment.</p> <p>We aim at linking those topics together throughout the period but have focus on one topic each year.</p> <p>For the first year (2025) we will have focus on the topic: Sustainable approach to choose and recycling of materials in the road sector. This involves recycling of roads and roadmaterials to reduce use of new material.</p> <p>The working groups SDGs are: They will be decided on the kick-off meeting but likely to be nr. 9 Industry, Innovation and Infrastructure, nr. 12 Responsible consumption and production. and nr. 13 Climate action.</p>	<p>For 2025 we aim to hold one live working meeting and webinars where each country's status and vision in the topics Sustainable approach to choose and recycling of materials in the road sector is discussed, i.e., where are we, and where are we going in sustainable construction and maintenance.</p> <p>We will find one or two contact persons from each of the countries that will help finding consideration matters within the topics and people to hold presentations. We plan of regular online meetings those contacts.</p> <p>2025 plan of webinars January - Iceland February - Norway March - Sweden April - Finland Mai - Denmark June - Annual meeting - Iceland August - Faroe Islands Next round: September - Iceland October - Status meeting for 2026. November - Norway We will aim at holding one physical meeting in Scandinavia each year of the period (2025, 2026 and 2027).</p>	

