

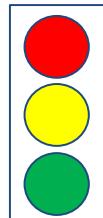
Action plan for Road Design

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

Chairperson: Tuomas Hökkö, tuomas.horkko@arkance.world

Vice-Chairperson: Emil Matintupa, emil.matintupa@ramboll.fi

The Traffic lights has been used to indicate if the Terms of Reference has been followed in the Action plan.



Terms of reference

A working group will be established to exchange experience in road design. Road design is about how you design streets and roads to consider the users' and society's interests as best as possible. The working group should address the following matters:

a) Universal design 

The transport system should be designed so as not unnecessarily preventing anyone from fulfilling their need for mobility, including old people, children and functionally impaired users. How pedestrians and cyclists are handled in high speed environments.

b) Urban design 

How to plan and design urban traffic areas and urban transits in rural areas. How to incorporate many new types of vehicles in the design of urban traffic areas? Problems with through traffic in smaller urban areas. Roundabouts, interaction with other road users (cyclists), etc. Goods delivery to ensure that the design of urban traffic areas takes the increasing need for goods delivery into account.

c) Future requirements for road design 

What road design is required to ensure the driver support systems function? What road design and specific geometric solutions will allow automated cars on motorways, national roads and in urban areas? Knowledge about relevant road designs and new geometric solutions. Requirements and needs posed by the Lane Keeping Assistance (LKA) technology in automated cars in relation to the width of lanes, which has a considerable impact on road accessibility.

d) Climate adaptive solutions 

Road technical solutions, how to coordinate future road design and climate adaptation solutions, such as handling torrential rain and increased amounts of stormwater.

Focus Areas and Planned Actions 2025

Reporting and follow-up on the action plan

Focus Areas	Planned Actions	Short Report on the Completed Plans dl 1 st November 2025
The working group will operate under the theme "Future Requirements for Road Design". The WG picked up the following SDGs for the coming four years to find and share information and	Each country will appoint a contact person(s) for the activities. The activities will be organized by - identifying active members within the working group	This year, the working group focused on climate change adaptation, diverging from the original plan. Three webinars and a seminar were organized around this theme, which proved to be a

<p>best practices for designing roads and streets:</p> <p>7. Affordable and Clean Energy, 9. Industry, Innovation, and Infrastructure, 11. Sustainable Cities and Communities, 12. Responsible Consumption and Production, 13. Climate Action, 15. Life on Land.</p> <p>The relevant focus areas are:</p> <p>1. Climate Change Mitigation and Adaptation: The working group will explore strategies to reduce greenhouse gas emissions and adapt to the impacts of climate change, particularly in vulnerable regions. Including Biodiversity and Biodiversity loss.</p> <p>2. Sustainable Resource Management, sustainable production, Efficient construction This includes addressing issues such as preventive construction and resource efficiency, reducing waste, recycling, and promoting sustainable production and consumption models.</p> <p>3. Renewable Energy Transition: How to pay attention to the shift to renewable energy sources like wind, solar, and hydropower, and exploring innovative technologies to reduce dependency on fossil fuels in the planning of infrastructure. SDG 7.</p> <p>4. Urbanization, Urban design Efficient construction, Universal design, urbanization. Including SDGs 12 and 15.</p>	<p>- regular meetings held around different topics via Teams, Face to face and hybrid meetings respecting all organizations rules.</p> <p>While the themes will be addressed as a whole, special focus – one for each year – will be given to themes:</p> <p>2025: Green energy and energy transition e.g. ferry infrastructure, solar energy, ensuring access to reliable, sustainable, and modern energy. Incl. SDG 7</p> <p>2026: Sustainable Resource Management, sustainable production, Efficient construction Incl. SDGs 9 and 12 promoting resource efficiency and sustainable production practices.</p> <p>2027: Eco-thinking for transport infrastructure and ecocorridors Incl. SDG 15.</p> <p>2028: Urbanization, Urban design Energy, efficient construction and urbanization</p> <p>The goal is to organize one seminar per year around these special focused themes:</p> <p>2024 organizing the group 2025 Finland 2026 Norway 2027 Denmark 2028 preparing ViaNordica</p>	<p>successful concept and will be continued in 2026.</p> <p>Webinars:</p> <ul style="list-style-type: none"> - 17.2, 13:00–14:00 EET (Finland): Elina Kalliala, "Rethinking Our Roads" - 23.4, 14:00–15:00 EET (Sweden): Gunnar Göransson, "Climate Change Adaptation" - 18.6, 14:00–15:00 EET (Sweden): Matthias Borris, "Effects of an Extreme Rainfall Event on a Highway with Light Filling Materials" <p>Recordings are available on the website, and the first webinar received significant visibility through a LinkedIn post. Each webinar was accompanied by a working group meeting.</p> <p>Participation in Working Group Meetings:</p> <ul style="list-style-type: none"> - 17.2: 26 participants - 23.4: 27 participants - 18.6: 23 participants <p>Seminar: Held 3–4 September in Helsinki, focused on the annual theme, with a planning group meeting on 4.9 (25 participants).</p> <p>National Meetings: Four national meetings were held, covering similar themes, seminar preparation, webinar planning, project presentations, and current topics:</p> <ul style="list-style-type: none"> - 16.1.2025 (WSP): 14 participants, Porin ranta project presentation - 3.4.2026 (Espoo City): 10 participants, site visit - 9.6.2025 (Ramboll): 10 participants, Kaivokatu project presentation - 3.10 (Sitowise): 10 participants, Esplanadi water supply tunnel project presentation <p>The webinars and seminar successfully facilitated the exchange of up-to-date information, sparked discussions, and generated development ideas related to the annual theme, as</p>
--	---	---

		<p>well as sharing experiences from different countries.</p> <p>Upcoming Events:</p> <ul style="list-style-type: none"> - One more webinar and a working group meeting on 18.11.2025 - National meeting on 9.12.2025
--	--	---

<h3 style="text-align: center;">Focus areas and Planed Actions for 2026</h3>		
Focus Areas 2026	Planned Actions 2026	Short Report on the Completed Plans Deadline 1st November 2026
<p>The working group will operate under the theme "Future Requirements for Road Design". The WG picked up the following SDGs for the coming four years to find and share information and best practices for designing roads and streets:</p> <p>7. Affordable and Clean Energy, 9. Industry, Innovation, and Infrastructure, 11. Sustainable Cities and Communities, 12. Responsible Consumption and Production, 13. Climate Action, 15. Life on Land.</p> <p>The relevant focus areas are:</p> <p>1. Climate Change Mitigation and Adaptation: The working group will explore strategies to reduce greenhouse gas emissions and adapt to the impacts of climate change, particularly in vulnerable regions. Including Biodiversity and Biodiversity loss.</p> <p>2. Sustainable Resource Management, sustainable production, Efficient construction</p> <p>This includes addressing issues such as preventive construction and resource efficiency, reducing waste, recycling, and promoting sustainable production and consumption models.</p>	<p>Regular meetings held around different topics via Teams, Face to face and hybrid meetings respecting all organizations rules. Webinars (3-4 sessions) and one seminar will be arranged each year, focusing on the selected annual theme.</p> <p>While the themes will be addressed as a whole, special focus – one for each year - will be given to themes:</p> <p>2026: Sustainable Resource Management, sustainable production, Efficient construction Incl. SDGs 9 and 12 promoting resource efficiency and sustainable production practices.</p> <p>2027: Eco-thinking for transport infrastructure and ecocorridors Incl. SDG 15.</p> <p>2028: Urbanization, Urban design Energy, efficient construction and urbanization</p> <p>The goal is to organize one seminar per year around these special focused themes:</p> <p>2024 organizing the group 2025 Finland 2026 Iceland 2027 Denmark 2028 preparing ViaNordica</p>	<p>[insert text here] Instructions: [please remove the instructions when you are finished]</p> <p>You can describe here the main up comes from the WG from this year. Did the WG achieve all the goals, and how? What has been done for achieving the planned actions?</p> <p>Which events (seminars, meetings, etc.) has the working group organized? What was the purpose? What was achieved?</p> <p>Were there that kind of successes or practices in the activities that you could recommend to other working groups as well?</p>

<p>3. Renewable Energy Transition: How to pay attention to the shift to renewable energy sources like wind, solar, and hydropower, and exploring innovative technologies to reduce dependency on fossil fuels in the planning of infrastructure. SDG 7.</p> <p>4. Urbanization, Urban design Efficient construction, Universal design, urbanization. Including SDGs 12 and 15.</p>		
--	--	--

Focus areas and Planed Actions for 2027		
Focus Areas 2027	Planned Actions 2027	Short Report on the Completed Plans Deadline 1st November 2027
<p>[insert text here, focus areas described on a very rough level, dl 1st November 2025]</p> <p><i>e.g. The Sustainable Development Goals can be added in 11/2026 ...</i></p>	<p>The goal is to organize one seminar per year around these special focused themes:</p> <p>2024 organizing the group 2025 Finland 2026 Iceland 2027 Denmark 2028 preparing ViaNordica</p>	<p>[insert text here, dl 1st November 2027]</p> <p>Instructions: [please remove the instructions when you are finished]</p> <p>You can describe here the main up comes from the WG from this year. Did the WG achieve all the goals, and how? What has been done for achieving the planned actions?</p> <p>Which events (seminars, meetings, etc.) has the working group organized? What was the purpose? What was achieved?</p> <p>Were there that kind of successes or practices in the activities that you could recommend to other working groups as well?</p>

Focus areas and Planed Actions for 2028		
Focus Areas 2028 Deadline 1st November 2025	Planned Actions 2028 Deadline 1st November 2025	Short Report on the Completed Plans Deadline 1st November 2028
<p>[insert text here, focus areas described on a very rough level, dl 1st November 2025]</p>	<p>The goal is to organize one seminar per year around these special focused themes:</p> <p>2024 organizing the group 2025 Finland</p>	<p>[insert text here, dl 1st November 2028]</p> <p>Instructions: [please remove the instructions when you are finished]</p>

<p><i>e.g. The Sustainable Development Goals can be added in 11/2027...</i></p>	<p>2026 Iceland 2027 Denmark 2028 preparing ViaNordica</p>	<p>You can describe here the main up comes from the WG from this year. Did the WG achieve all the goals, and how? What has been done for achieving the planned actions?</p> <p>Which events (seminars, meetings, etc.) has the working group organized? What was the purpose? What was achieved?</p> <p>Were there that kind of successes or practices in the activities that you could recommend to other working groups as well?</p>
---	---	--