

Working group

# Operation and maintenance



# Operation and maintenance

A working group will be established to address operation and maintenance and will, over a four-year period, deal with i.a. the following matters:

## **a) Digitisation (3D, use of drones)**

What experience exists in digitisation of work tasks, i.a. use of 3D imaging, image recognition tools (e.g. to show the development in damage level, cleaning, etc.), use of drones, etc.

## **b) Asset management focusing on other assets (not structures and surfacing)**

What are management-relevant data, including life time, replacement intervals, etc.? And how do you prioritise across assets?

## **c) Winter operation**

The group should address the following topics in winter operation:

Data from vehicles, mobile sensors, etc. for winter services: How can these be included in warning systems for the slippery roads?

Dynamic salting: How can increased knowledge about section-related data be exploited operationally in winter services?

The relationship between winter services and road user behaviour and safety: What is the relationship between the quality of winter services, speed, choice of tyres, etc. in relation to accidents?

How can we better use existing knowledge about winter services?

How can existing winter services become more sustainable, including in connection with recovery and recycling, transport and spreading of salt as well as snow clearing?

The group may benefit from exchanging ideas with the working group for 'Road technology'.

## **Period**

July 2020-June 2024

## **Relevant competence profiles**

Consultants, researchers, contractors and employees in government and municipal road administrations who work with operation and maintenance.

The group may benefit from exchanging ideas with the working group for 'Road technology'.

## **Knowledge sharing and communication of best practices**

Webinars, workshops and seminars

## **Relevant sustainable development goals**

Goal 9: Industry, innovation and infrastructure

## **Follow-up on sustainable development goals**

The group will make proposals for follow-up on the sustainable development goals in autumn 2020. In this connection, the group can also discuss whether the activities mentioned in the terms of reference align with other sustainable development goals which the group would like to follow-up on.