

# AM4INFRA PLANS FIRST STAKEHOLDER EVENT IN OCTOBER 2017

As reported on p. 8 of the last issue of this magazine, AM4INFRA is a 24-month H2020 project supported by the Conference of European Directors of Roads (CEDR) and ProRail, the Dutch national rail agency. The project aims to launch a life cycle and risk based Asset Management framework approach enabling the effective governance of transport infrastructure networks across Europe. Significant progress has taken place so far during 2017 as described here.

## COMMON LANGUAGE

The objective here is to develop a common language to push forward in cross-modal and cross-border optimisation of transport networks.

A framework architecture for smart governance of infrastructure networks has been designed that connects new investments to available networks. This framework will be followed by specific guidelines that are far more detailed and will be more diversified towards specific challenges or network issues. Both will be tested and validated in three living labs to demonstrate the added value of the common framework to a setting of external stakeholders. The living labs demonstrations are to be completed in March 2018, in time to utilise the TRA2018 event in Vienna to present the results to an (invited) audience of experts in asset management.

## COMMON APPROACH

The current practices and criteria for assessing network investment, improvement, maintenance and operational

needs for a 5 - 10 year horizon were reviewed. The emphasis was on the application of a minimum whole life cost (or life cycle) and risk based approach.

As a first step to proposing a framework for adopting whole life cost models and risk based approaches across Europe, building blocks that should be in place as part of a larger asset management system were outlined.

The building blocks (appropriate governance and processes, whole life cost calculation etc.) highlight the essence of established best practice for managing risk within an asset management framework. It is hoped that the simple outline approach will encourage a basic level of investment and consistency across the TEN-T network with the aim of harmonising asset management across the different modes of transport in Europe.

The next task will be to provide case examples of good practice for applying whole life cost and risk based approaches on strategic, tactical and operational levels, as well as a framework for adopting whole life cost models and risk based approaches across Europe.

## COMMON DATA AND INFORMATION MANAGEMENT

To support improvement of asset data management across transportation network stakeholders, an Asset Data Dictionary (ADD) has been designed as a first pillar of an asset data common approach. The ADD identifies which are the relevant information and related attributes that can constitute a common data dictionary for asset data management.

The next step will be to design the functional and technical aspects of a possible Asset Information Management System. The application of this system will take place on a specific road stretch of a TEN-T itinerary.

## UPCOMING ACTIVITY/EVENT

The first Stakeholder event of the project will take place in October 2017. The main focus will be

- the guideline for the use of the framework architecture, case examples of good practice for applying whole life cycle, as well as business blue print of an asset information management core system.
- to present and discuss the three living labs (Italy: Rome Ringway-data and information framework; Netherlands: Eindhoven hub - integrated common framework and UK: Heathrow-London Ring-whole life cycle and risk based models).



AM4INFRA



## PARTNERS



► For more information, see [www.am4infra.eu](http://www.am4infra.eu) or contact Project Coordinator **Jenne van der Velde** at [jenne.vander.velde@rws.nl](mailto:jenne.vander.velde@rws.nl) [in](#)