




**AM4INFRA builds a common framework for a European life-cycle based asset management approach for transport infrastructure**

	<p><b>First stakeholder group meeting held!</b></p>
<p><b>HORIZON 2020 Project</b></p> <p>AM4INFRA has received funding from the European Union's Horizon 2020 research and innovation programme under grant 713793.</p> 	<p>The first AM4INFRA stakeholder group meeting was held on 3-4<sup>th</sup> October 2017 at the <b>LEF future centre</b> in Utrecht, the Netherlands.</p> <p>In a lively and fruitful discussion, over 30 participants from different countries and multi-modal organisations provided valuable input to draft project documents, as well as to the planned Living Labs in which the documents will be demonstrated and verified. The documents constitute a common framework for a European life-cycle based asset management approach for transport infrastructure.</p> <p>Over the following months, various additional consultation events will be organised, centred around the Living Labs and the final project event during <b>TRA 2018</b> from 16-19th April 2018.</p>
<p><b>PROJECT COORDINATOR</b></p>	<p><b>Aim of the workshop</b></p> <p>The main aim of the meeting was to consult external stakeholders from infrastructure management and operations and the immediate surroundings on three draft documents supporting the application of the common framework approach:</p>
<p><b>Ruud Smit</b> Rijkswaterstaat <a href="mailto:ruud.smit@rws.nl">ruud.smit@rws.nl</a> <a href="http://www.am4infra.eu/">http://www.am4infra.eu/</a></p>	<ul style="list-style-type: none"> <li>• An <b>application guideline</b> for Infrastructure Asset Managers on how to use the framework approach in order to optimise decisions across their line of sight from policy indicators to condition and performance of the individual assets</li> <li>• A <b>repository of case examples</b> for whole life cycle and risk based management for reference</li> <li>• A <b>data business model</b> explaining how data and data architectures are implemented in order to support optimal and transparent decision-making across the modes and institutions.</li> </ul>
<p><b>PROJECT PARTNERS</b></p>	



In addition, the stakeholders were consulted on the objectives and scopes of three planned Living Labs, in which the common framework, i.e. the mentioned documents will be demonstrated and verified against the backdrop of live practice cases on specific (multi-modal) sections of the (road) transport networks.

### Introducing the three draft documents to the stakeholders

The stakeholders were welcomed by the Technical Coordinator of the project, Ruud Smit, in the futuristic setting of the LEF Centre. He introduced the AM4INFRA project and the leaders of the content driving Work Packages (WPs): Gerrald Goselink (RWS; WP1), Ramesh Sinhal (HE; WP2), Elisabetta Marcovaldi (ANAS; WP3).



*AM4INFRA project team*

In a series of break-out sessions, the stakeholders were consulted on the concepts and documents from each of the three content WPs. Valuable insights and recommendations were captured by the project team on the project scope, the alignment with technology development and the replicability in the context of asset management maturity. Issues were addressed, such as: how to anticipate technology development such as smart mobility? Will the common framework also be applicable beyond the TEN-T network, e.g. in regional and municipal networks? How is replication considered, in view of varying agencies' financial status or asset management maturity? Are environmental, social and economic aspects included in the common framework approach?

Furthermore, in relation to the dissemination and replication activities, a large number of recommendations and ideas resulted from the discussion of a beneficial stakeholders' approach aimed at aligning with the strategic, tactical and operations elements of any agency or entity. Discussion also ensued regarding the legacy of the project, in which the plan is to create a specific Community of Practice (CoP) and post Living Lab activities. In his wrap up, the Technical Coordinator stressed that such a CoP would be open for external registration in spring 2018.

During the joint dinner, the stakeholders were encouraged to discuss their observations and findings of the day in a cordial setting.

### Introducing the three planned Living Labs (Rome, Eindhoven, London)

In the second leg of the stakeholder group meeting, the concept and objective of the three Living Labs were briefly explained. Each of the Living Labs were introduced:

- **Rome A90** (January 2018; applicability of the data and information element of the common framework)
- **Eindhoven E34** (February 2018; applicability of the integrated common framework/'line of sight')

- **London M4** (March 2018; applicability of the life cycle and risk-based management element of the common framework).

All three Living Labs are located on the TEN-T network.

The Living Labs concept was chosen by the project partners because it provides the opportunity to embed and verify elements of the framework approach into real life scenarios and practices and to learn from this reality over time.

The real-life situations addressed were selected on the basis of the following criteria:

- **Cross-asset:** A variety of assets will be part of the Living Labs
- **Cross-network:** Multiple types of interlinked networks will be part of the Living Labs
- **Cross-border:** Networks subject to analysis will be of international nature crossing one or multiple borders.

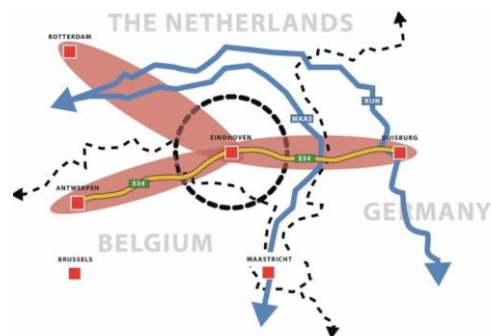
The Living Lab approach encompassing the three criteria above is adopted through a regional-specific context where relevant infrastructure problems play out and are used to discuss and test how the AM4INFRA products would work in reality. The Living Lab approach is therefore meant to test, verify and enrich the project products using the specific practical knowledge available in such a regional setting.

#### **Living Lab Rome A90.**

The first Living Lab is planned to be launched in January 2018 in Rome, Italy. This Living Lab will concentrate on a 70 km stretch of the Rome Ringway A90. Here, major works are planned and implemented, which require intensive interplay with the regional and municipal asset managers. The goal of the Living Lab is to verify and improve the application of the data meta model as described in the project document "*Business Blueprint an asset management core system*".



*Motorway A90 in Rome.*



### **Living Lab Eindhoven**      *Motorway E34 along Eindhoven.*

The second Living Lab is planned to be launched in February 2018 in Eindhoven, the Netherlands. The Eindhoven Living Lab will concentrate on the E34 motorway and its interconnections in the area. This road connects the seaports of Antwerp and Zeebrugge to the German Ruhrgebiet, crossing Dutch territory south of the City of Eindhoven, where it intersects with a main route from the seaport of Rotterdam.

As such, the Living Lab will span three countries. The spatial setting is the fast growing 'Brain port' area in and around the city of Eindhoven. It addresses numerous cross border challenges like variations in quality of motorway pavement, road access, local authorities. Congestion is a key issue. Also, cross-modal opportunities exist between water and road transport and air with Eindhoven airport in the vicinity. The Living Lab aims to verify and improve the application of the framework architecture as described in the project document "*Guideline for the use of the framework architecture*", enabling national infrastructure agencies to translate the framework into context specific actionable strategies.

### **Living Lab London** **M4.**

The London Living Lab will concentrate on the M4 (London - Wales) motorway and its connections in the area such as the M25 and London Heathrow airport. The M4 is a key route connecting Wales and the South West of England to London. Future developments on this route will have an effect on local roads, other transport mode operators, the area surrounding the route and London Heathrow Airport. The goal of the Living Lab is to demonstrate how whole life cost, life cycle engineering and risk based approaches can be integrated to deliver benefits and desired outcomes for road users as well as the asset owners.



*Motorway M4 in London.*

The results of the Living Labs will be made available to the AM4INFRA stakeholders through webinars immediately following the launch events. Also they will be one of the items at the final project conference, which will take place during **TRA 2018** from 16-19th April 2018.

As a side remark, a professional team conducted interviews before and all through the event with the project coordinators and members, as well with the workshop participants; these have been compiled into informative and promotional recordings available soon [on the project website](#).

### **Upcoming stakeholder consultation events**

This was the first in a series of stakeholder consultation events. Over the coming months, several other consultation events are planned:

- **January 2018:** Living Lab Rome A90
- **February 2018:** Living Lab Eindhoven E34

- **March 2018:** Living Lab London M4
- **April 2018:** Final conference at TRA 2018

For more information, see <http://www.am4infra.eu>, the **AM4INFRA video** or contact the Dissemination and Communication leader Adewole Adesiyun at [adewole.adesiyun@fehrl.org](mailto:adewole.adesiyun@fehrl.org) .