



**AM4INFRA**  
cross-asset / cross-mode / cross-border

## Outcomes of the three Living Labs: Rome, Eindhoven and London

The "**Living Lab**" is a concept which aims to provide the opportunity to embed and verify elements of the AM4INFRA (Asset Management for Infrastructure) framework approach into real life scenarios and practices. This is a dynamic process where continuous learning is assimilated as the project evolves and provides a platform for key stakeholders to engage in and collaborate on the long-term management and coordination of transport infrastructure planning, investment and communication.

In the context of the **AM4INFRA project**, three Living labs have been held: the Rome Living Lab, the Eindhoven Living Lab and the London Living Lab. These living labs cover the three central themes of the project: cross asset optimisation (the **Rome** Living Lab), cross border optimisation (the **Eindhoven** Living Lab) and cross network optimisation through an examination of asset life cycle management and risk-based approaches (the **London** Living Lab). In total, around 100 participants joined these living labs, representing over 20 infrastructure agencies or affiliate organisations.

These three living labs produced a **number of conclusions** from both a technical and soft skills perspective. Generally, the application of these living labs succeeded in **strengthening the cooperation** between infrastructure agencies and building a converging growing path, as well as providing inspiration, stimulating mutual learning and paving the way to a **common language**.



### **Living lab Rome – A90**

*Motorway A90 in Rome.*

The first AM4INFRA Living Lab was held on 31<sup>st</sup> January 2018 at the Sala Situazioni Nazionale, ANAS Headquarters in Rome, Italy. This Living Lab was concentrated on a 70 km stretch of the Rome Ringway A90.

#### **The main scope:**

- Demonstration and validation of the applicability and practicality of the asset data management approach;
- Recommendations for further improvement of asset data dictionary and Business Blueprint;
- Dissemination and outreach of the AM4Infra initiative.

#### **Results:**

##### **1. WP3 approach and methodology:**

Some 2-3 specific suggestions related to the ontology map that has been included in the final report:

- **Ontology Map:** "Risk" concept to be connected to Maintenance Works and LoS, introducing a double view for risk (asset-oriented and road user-oriented).
- **Asset Data Dictionary:** new datasets to be introduced in the asset inventory data group, considering elements related to telecommunication and ITS systems installed on the network.

##### **1. The road itinerary based on a common AM-LCC approach:**

- The agreement on the corridor and criteria of the case study.
- A first identification of constraints/threats with respect to the common approach.

### **Living Lab – Eindhoven E34.**

The second Eindhoven Living Lab took place on 21<sup>st</sup> February in Antwerp, Belgium. The focal point of the Eindhoven Living Lab was cross-border optimisation. This motorway is a major artery connecting Antwerp and wider Flanders with the Netherlands and Germany further to the west.

#### **The main scope:**

To demonstrate and verify the applicability and practicality of the guidelines and establish if any further improvements are needed.

#### **Results:**

1. Need for cross-border alignment for:



*Motorway E34 along Eindhoven*

- Planning of renovation works
- Future functionality
- Lorry parking facilities

1. Joint opportunity (and issues) map
2. Get cross-border acquainted
3. Shortlist of priorities and required participants for follow-up Living Labs

**General conclusions:**

- Cross-border issues are not isolated elements (not in time, type of work, institutional players)
- Cross-border issues easily propagate deep into national networks (alternative routes/cross-modal solutions/parking facilities)
- Be aware of institutional asymmetry (mandate, responsibility, work culture etc)
- Language is important (meaning and terminology)

**Living Lab - London M4**

The third London Living Lab took place in Old Windsor, close to London's Heathrow airport on 8-9<sup>th</sup> March 2018. This living lab was concentrated on the M4 (London - Wales) motorway, the main strategic route between London, the west of England and Wales.



**The main scope:**

To verify and demonstrate the common framework of the life cycle and risk-based management element.

**Results:**

*Motorway M4 in London*

1. **A good opportunity** to discuss detailed topics and learn from each other
2. **Helped understanding of the practical links** between the six building blocks (data, systems/tools, organisations and WLC and managing risk)
3. **Management level/strategic systems are important** influence on the effectiveness of asset management, not just operational and tactical levels



*Life cycle management and risk-based approach framework - Six Building Blocks*

The results of the Living Labs were given at the AM4INFRA Final Conference on Wednesday 18<sup>th</sup> April at the Transport Research Arena (TRA) 2018 event in Vienna, Austria. More details to be given in the near future in the next issue of this newsletter.

For more details on AM4INFRA, see <http://www.am4infra.eu>, watch the [first AM4INFRA video](#) and the [second AM4INFRA video](#) or contact the Dissemination and Communication leader [Adewole Adesiyun](#).

## AM4INFRA partners

