



Risk based approaches for asset integrity multimodal transport infrastructure management

# RAGTIME

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## RAGTIME Validation Strategy

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# Validation Strategy

## *Considerations and approach*

Given the innovative potential of RAGTIME, the **validation strategy** need to be framed in order **to ensure the alignment of the project overall objectives with the needs and requirements of the end-users** (e.g. Infrastructure Managers and Operators), making clear connection to daily activities and practical implementation (e.g. the validation strategy as a mean to support the TAKE-UP of RAGTIME)

The project validation strategy **takes as reference the ISO55000 (PAS55)** that provides a **checklist guidance for establishing and verifying a joined-up, optimized and whole-life management system for all type of physical assets** (e.g. water utilities, road, rail transport systems, public facilities, process, etc.) in both public and private sectors, regulated and non-regulated environments.

# Validation Strategy

## *Considerations and approach*

The **crucial point here is clearly a correct, meaningful identification of KPIs** which enables to measure of satisfaction between:

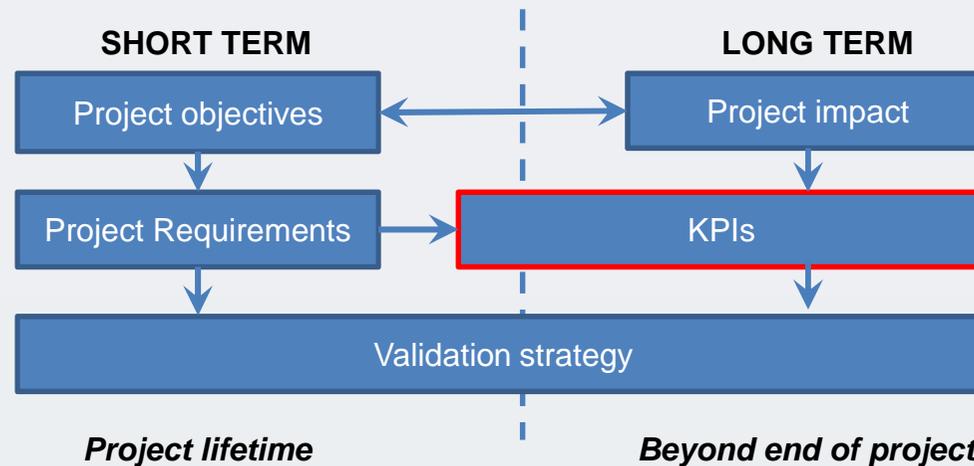
- the stakeholders **expectations** (what they want);
- **system performance and sustainability goals** (e.g. desiderata) (what I want to do);
- **conditioning** of the IM requirements (derived from public procurement) and technological constraints (what I can do).

**The validation strategy will be applied to the case studies** since it allows for a direct comparison of the project approach and results with current solutions/methodologies applied to a real renewal project in a **multi-modal layout**

# Validation Strategy

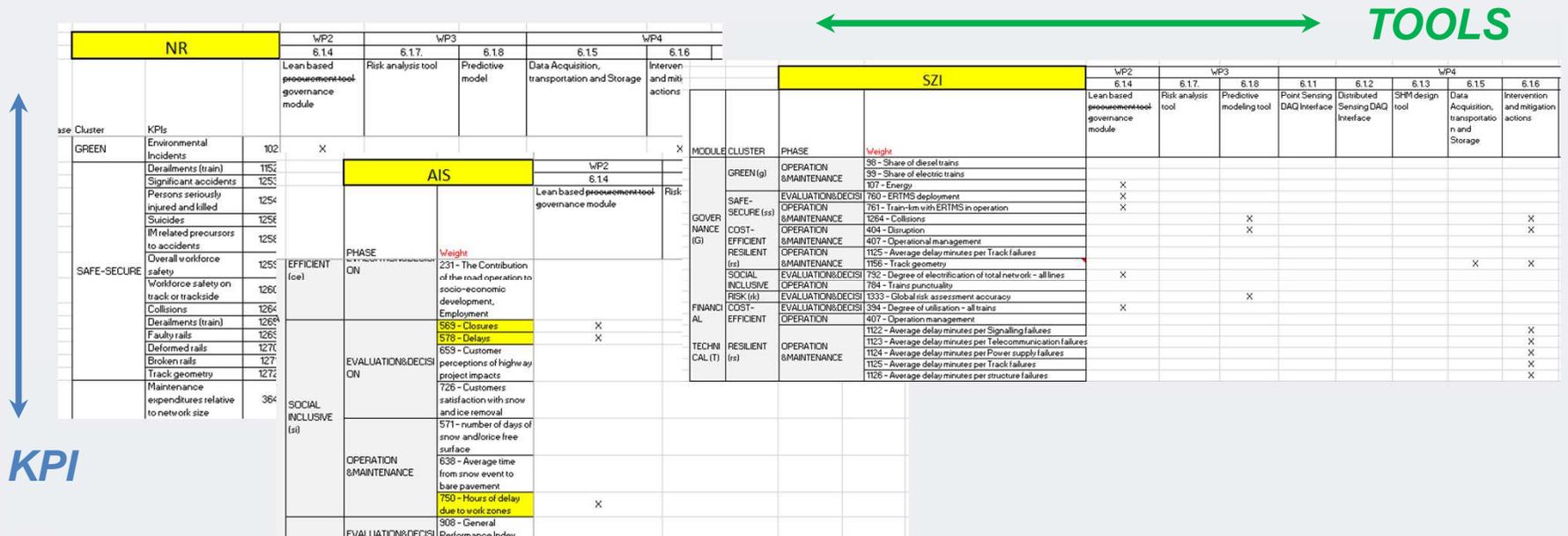
*Why is needed?*

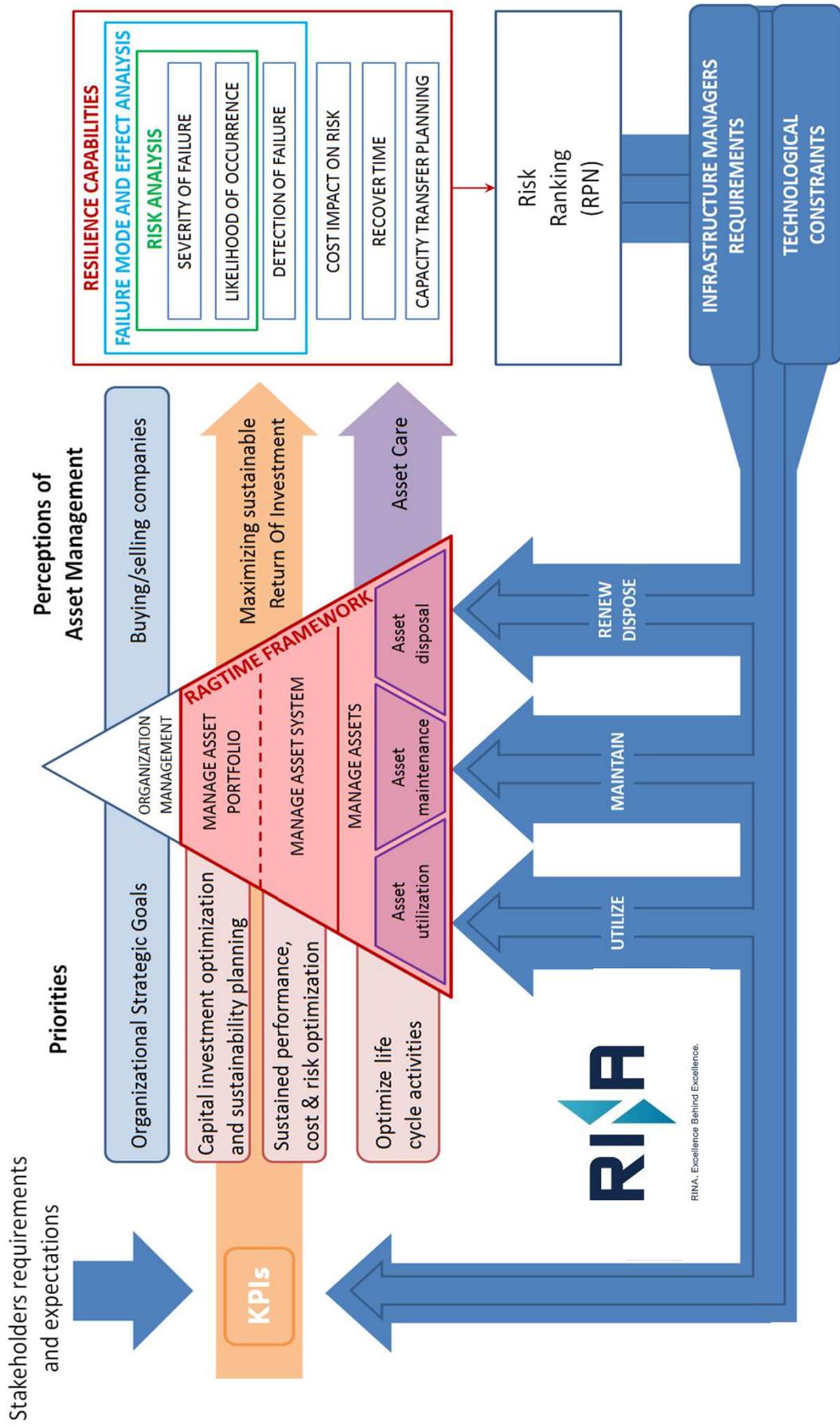
- 1) To **measure the improvement** of RAGTIME respect to the **current AM situation** -> Need: comprehensive **overview of current asset management** (plan, objectives, policy, etc.) in **compliance to PAS55** and set up a **benchmark** (reference case)
- 2) To demonstrate the achievement of **project objectives and impact**



# Performance Assessment Strategy via KPIs

**Update, tailor and make available for testing the validation strategy** building upon the acceptance tests methodology as defined in subtask 6.1.1, by incorporating the **KPIs** defined in WP1. This task will **provide measures and performance assessment metrics per components/tools, etc. via the project validation strategy which takes as its reference ISO55000 (PAS55).**







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