



RNM - Road Network Maintenance PRIORITY INDEX ANALYSIS MANAGEMENT AND MAINTENANCE

A scheduled maintenance represents a goal for the best allocation of resources and to safeguard the performance of the road network. The lack of resources leads to operate under urgent conditions. The services of the RNM Package aim at facilitating planned interventions.

RNM services are developed and offered in partnership with:



C1P8 Ingegneria

Proposed approach:

The services for the development of scheduled maintenance on different infrastructures follow a four stages approach. The first stage is the definition of the infrastructures' state (monitoring). The second stage defines the priority of intervention according to the extent of the problem and to potential level of damages (priority index). The third stage, which is the budget compatibility analysis (costs analysis), estimates the cost of intervention or expected damages if there is no intervention and the critical issues are not resolved. The last stage is connected to the planning of the operations and to their execution (interventions management).

The proposal aims to facilitate a development through phases or themes, compatible with the local authority's economic resources and of the available staff.

Products and services provided:

- **Analysis of internal processes** of the infrastructure manager's office, used to define the interventions and the management of critical situations;
- **General monitoring services** of road infrastructures or **focused on specific aspects** (flooring and safety

barriers, slope stability, hydrology,...) with designation of criticalities identified;

- Identification of **minimum criteria to define priorities** and required parameters for the correlation between the level of criticality and the potential damage;
- Specialist analysis to estimate costs and economic



commitment necessary to ensure the restoration of minimum functionality or to increase the level of service;

- Support to develop **I.S. targeted to plan the investments and to operational programming of interventions.**

Related packages:

TMA - Traffic Monitoring and Analysis
DBM - Database Build and Management
ESS- Easy Survey System



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