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Roads are essential for sustainability, the development of resilient transportation networks being one of the Sustainable Development Goals (SDG) for the UN's 2030 Agenda.

There is a need for new visions to improve the efficiency and resilience of infrastructures, prioritizing investments and considering several aspects that can be simplified in KPIs such as in the acronym RAMSSHE€P, which stands for Reliability, Availability, Maintainability, Safety, Security, Health, Environment, €conomics, and Politics. Topics related to toad sustainability include:

Predictive maintenance to infer the condition rating (CR) to forecast asset deterioration during the whole lifecycle of the infrastructure;

The need for a focus on Sustainability, fostering recycling and reuse of materials;

Need for improving circularity through the large valorisation potential of construction and demolition (C&D) waste;

Fostering digital transition in infrastructure management through BIM as an information model that represents the physical and attribute elements of construction;

mation models for high-value applications from the design all the way to the

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