

# Knowledge Sharing Workshop

## Development of the road asset management system in the Republic of Tajikistan

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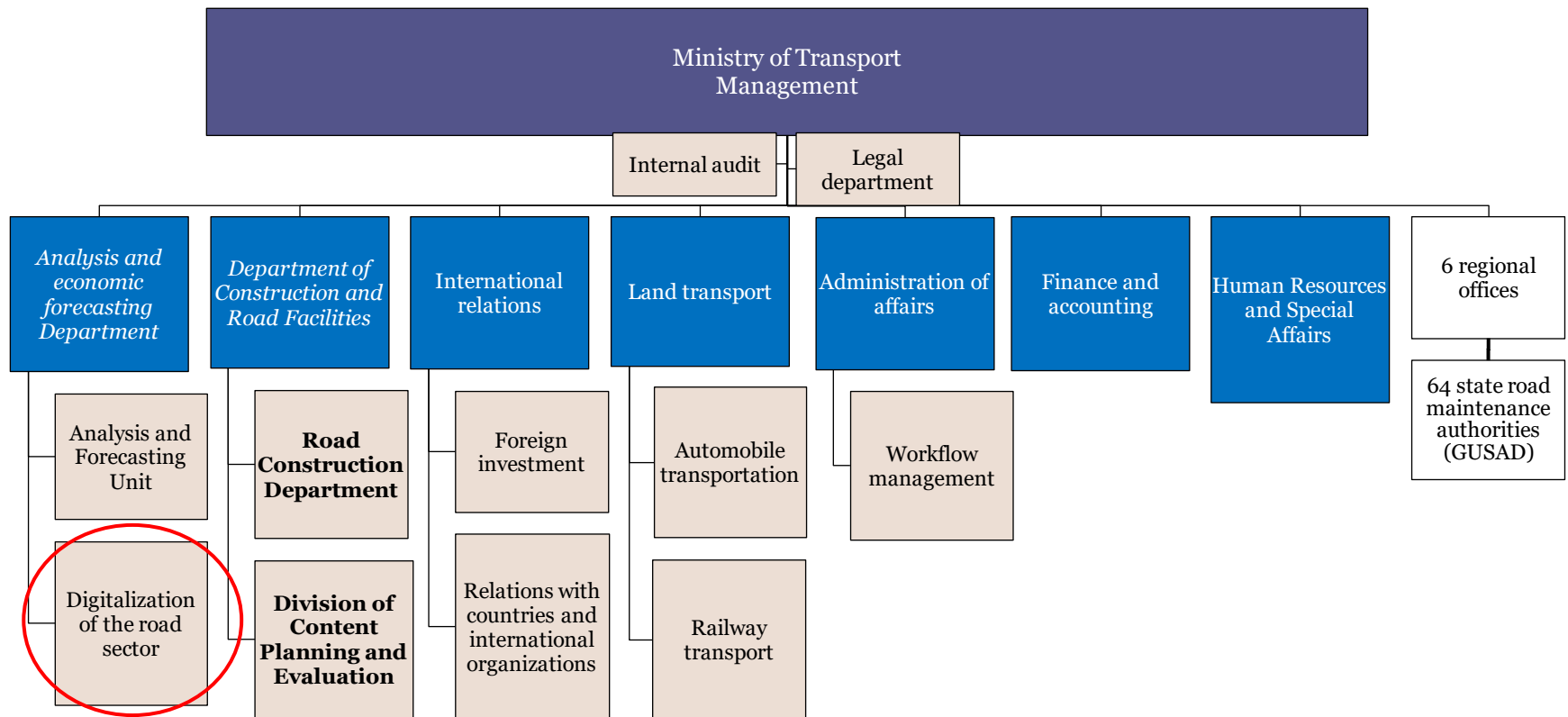
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# Road network of Tajikistan



# Road asset management



# Existing Road Asset Management Practice

- Data is collected by GUSADs once a year
- Data is collected by visual inspection of road conditions
- Data is transferred to MoT RT in paper format along with the compiled annual service budgets
- Budgets are coordinated in the MoT RT and further with the Ministry of Finance (MoF) of the RT
- Due to the lack of budgetary funds, the amount requested from the MoF is allocated in the amount of 20-25%

# Support from road asset management development partners

- Collection of basic data in 4 regions using DRIMS with the support of JICA;
- Bridge management system also supported by JICA;
- WB assisted in the development of a database and a system of algorithms for the RAMS;
- EBRD assisted in establishing a GPS tracking system for road vehicles
- ADB in developing a comprehensive RAMS implementation program for 2021-2024

# Objectives of the RAMS Implementation Program

- Creation of the necessary legal and approved platform for the implementation of RAMS
- Improving the efficiency of road asset management;
- Creation of an effective budgeting mechanism for road maintenance;
- Implementation of advanced technologies for digital processing and storage of information and data

# Main Program events

- Creation of an institutional framework for road asset management;
- Collection, adoption and processing of accurate data on road conditions;
- Improvement of the database for the collection, processing and storage of data;
- Conducting theoretical and practical training for road asset management employees;

# Main events (continued)

- Determination and formation of an adequate budget to finance road maintenance;
- Identification of new mechanisms for financing road maintenance;
- Identification of new additional sources for financing road maintenance.



## 2021 events

- Creation of a target group in MoT for the implementation of the RAMS:
  - A department for digitalization of roads and transport was created, consisting of 6 specialists;
- Needs analysis to ensure the long-term sustainability of the RAMS:
  - Support is needed in institutional strengthening of the department;

# 2021 events

- Coordination with development partners to provide support for the implementation of the RAMS:
  - WB – support for optimization of algorithms and development of the database, staffing of the TRASSA mobile laboratory, increase in dynamic weighing points (WIM systems)
  - ADB – equipment for storing and collecting data on roads, strengthening the capacity of the RAMS department, initial collection of data on road assets and road conditions;
  - JICA – development of the bridge database;
  - Coordination of activities with development partners.

## 2021-2022 events

- Involvement of other partners for the implementation of the Program:
  - Updating computer and peripheral equipment in 6 public roads offices and 65 GUSADs
  - Updating computer and peripheral equipment at the central office of the MoT RT
  - Extension of the GPS monitoring system;
  - Implementation of additional points for recording traffic intensity

**Thank you!**