

# **Digital Transformation in Transport Sector—Initiatives in Kazakhstan and the Kyrgyz Republic**

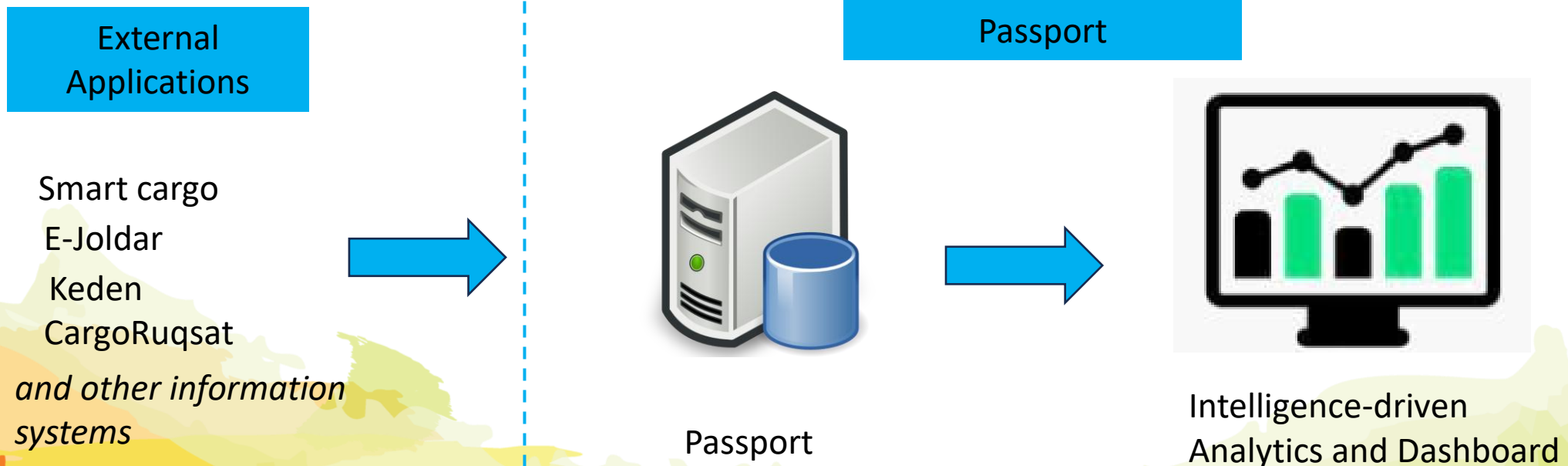
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# Kazakhstan Logistics Passport (KLP)

- Study is implemented by the CAREC Institute at the request of the Ministry of Transport of the Republic of Kazakhstan
- The KLP is a centralized solution that stores data on transport operators, facilities (e.g., multimodal logistics centers) and assets (e.g., rolling stocks, truck fleet), with the ability to offer accounting and analytics to support decision making.



# Kazakhstan Logistics Passport (KLP) – 2

## Current Progress

- ✓ Final consultations on the costing and institutional factors.

To clarify the potential involvement of the National Information Technologies Joint Stock Company and the ability to deploy the Passport on the existing digital infrastructure.

## Estimated Costing

- ✓ Software : \$6 - \$16 million
- ✓ Hardware : \$ 3 - \$9 million

### Software

System architecture and design, platform development, Smart Bridge and external system integration, cybersecurity and hosting infrastructure, testing and deployment.

### Hardware

ICT Infrastructure & Hardware includes the computing, storage, networking, security, disaster recovery.

## Next Steps

Complete the preliminary scoping report.

The report assesses Kazakhstan's logistics ecosystem, digital infrastructure, and regional practices; defines the scope, architecture and data dictionary, governance, interoperability, and data requirements of the Kazakhstan Logistics Passport; and proposes an implementation roadmap, institutional arrangements, and sustainability considerations.

# Kyrgyzstan National eLogistics Platform (NELS)

- Study is implemented by the CAREC Institute at the request of the Administration of the President and the Ministry of Economy and Commerce of the Kyrgyz Republic

## Current Progress

- ✓ CAREC Institute's Digital CAREC Project 2025 with TLS digitalization assessment  
Kyrgyz Republic has progressively aligned its national digital development agenda with the regional vision of fostering a digitally interconnected TLS in CAREC region. The extension of NSW functionality & achieving full integration of technological systems in transport modalities at the national level as well as interoperability with TLS platforms of neighboring countries require additional efforts.

## Recommendations

- To extend NSW functionality, the Feasibility Study project is going to be proposed for NELS platform creation in the Kyrgyz Republic with the following main objectives:
- ✓ Develop and implement the NELS platform as one of the principal components of the National Single Window to support multimodal cargo transportation;
  - ✓ Ensure interoperability of such platform with regional solutions (CAREC, TRACECA).

## Next Steps

- ✓ The Scoping Study for Kyrgyz NELS was launched by the ADB.  
In result the preliminary scope and road map will be developed for the implementation of NELS project in Kyrgyz Republic with the project timetable, including the platform functional architecture and main modules, as well as potential areas where ADB and CAREC Institute may offer project financing, capacity building, or other forms of support.

# Kyrgyzstan National eLogistics Platform (NELS) – 2

## Recommended Organizational Model for Project Implementation

