Digitalization of Freight Transport Services: a Leverage for Development in the Balkan Area

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The project is co-funded by the European Union and National Funds of the participating countries
Research Actions

Development of an innovative web-based platform that will facilitate shared road freight transport services efficiently connecting national and transnational shipper and carrier operations

Assessment of local and transnational road freight transport conditions

Identification of needs and requirements of stakeholders, both carriers and shippers

Specification of critical issues to be considered in the development of a Freight Exchange Platform

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Insights of Road Freight Transport in Balkan Area

- Advances in Internet of Things (IoT) & B2B-B2C hubs push towards more Cooperative-Intelligent Transportation Systems (C-ITS)
- Both freight market stakeholder groups (i) carriers, and (ii) loaders require new innovative and customized tools
- Balkan region countries’ logistics activities are significantly below the average EU
- High potential for LPI improvement due to high share of road freight transport activity (>60%)
- **Albania & Bulgaria** aim to enhance private-public partnerships and modernize current C-ITS national infrastructure
- **Greece** focuses on rail freight transport infrastructure

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<tr>
<th>Countries</th>
<th>Logistic Performance Index (LPI)</th>
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<tbody>
<tr>
<td>Albania</td>
<td>2.6</td>
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<tr>
<td>Bulgaria</td>
<td>3.0</td>
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<td>Greece</td>
<td>3.2</td>
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<td>EU average</td>
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FEPs: Global & EU level

- 65 FEPs globally
- 31 FEPs in Europe
- 7 out of 31 FEPs in the Balkan area

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Assessment of Road Freight Transport Conditions in Balkan Area

- Three Balkan countries studied:
  1. Greece
  2. Bulgaria
  3. Albania

- Interview sessions held by their representative chambers of each country

- Use of FEPs
  1. Albania → national
  2. Bulgaria → pan-European
  3. Greece → pan-European

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<thead>
<tr>
<th>Platforms</th>
<th>Investigated countries</th>
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<tr>
<td></td>
<td>Albania</td>
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<td>TRANSMOGUL</td>
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<td>URSUSforwarding</td>
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<td>Nestcargo</td>
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<td>Freights</td>
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Local workshops

Purpose of working meetings:

- Gather all project partners together with key national freight transport stakeholders
- Receive valuable information for developing a Freight Exchange Platform
- Create a strong freight stakeholders pool for future development of trans-national Balkan freight activities

3 Local workshops were held in:

- **1st hybrid** (physical & virtual) local workshop happened in **Sofia (Bulgaria)** at **2nd of July 2020**
- **2nd virtual** local workshop happened in **Tirana (Albania)** at **6th of July 2020**
- **3rd virtual** local workshop happened in **Thessaloniki (Greece)** at **8th of July 2020**

Participating Stakeholders:

- Freight & Logistics SMEs
- Associations & Clusters
- Academia / Research institutions
- Organizations in consultancy, trade sector, accounting

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Needs and Requirements of Road Freight Transport in Balkan Area

- Limited hardware and software infrastructure for the carrier drivers
- Specific training programs to learn how to use properly these digital tools
- Carriers & Shippers and relevant national authorities should support the development of FEPs
- Not available in mobile devices

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Critical Issues of Road Freight Transport in Balkan Area

Connection and integration with other modes of transport (rail, air, inland waterways, maritime).

Provide higher digitalization of administrative services

Ensuring high security and protection of data and information shared in a FEP

Provide added-value services (i.e. analytical tools, simulation services, training services, cost optimization and estimation services etc.)

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Expected Outcomes

1. Promotion of strong transnational business collaborations between shippers and carriers in Balkan area

2. A valuable tool to utilize day-to-day shipper and carrier operation in order to improve performance of users

3. Provide to its users access to new markets and customers offering significant business opportunities, especially for SMEs, supporting their viability in the sector.

4. Improvement of efficiency and productivity for shippers and carriers leading to major environmental benefits for the Balkan area

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Acknowledgments

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http://www.interreg-balkanmed.eu/approved-project/46/
https://www.facebook.com/scopeBMP/
https://www.linkedin.com/company/30628693/admin/

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Thank you for your attention!

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