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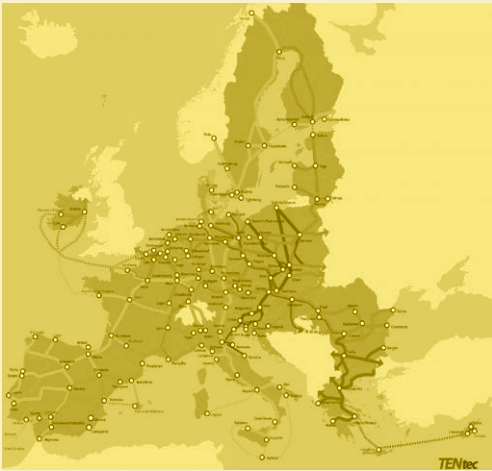
→ roads

→ **Conclusions and
recommendations**

September 19 - 20th

Hotel Holiday, Sarajevo
Bosnia and Herzegovina

2024



The 13th Congress on Transport and Transport Infrastructure - Roads was held in Sarajevo on 19 and 20th September 2024. The Congress gathered experts and scientific workers from the broader region and Europe, as well as government officials, for the purpose of exchanging knowledge, experiences, and future challenges in the planning and development of transport infrastructure and transport.

The Congress also served as a forum for a new development cycle based on European development documents. Presented were 42 papers, prepared by 92 authors and coauthors from eight countries.

The following topics were discussed at the Congress:

- **Green road transport**
- **TEN-T network**
- **Smart transport in urban areas**
- **Studies and projects**
- **A safer road network**

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The results of the papers presented and the discussions are as follows

CONCLUSIONS AND RECOMMENDATIONS:

- 1 | **Transport safety in urban areas:** Emphasis was placed on the need for integrated transport infrastructure that caters to all participants, including cyclists and pedestrians. What is proposed is a sustainable concept for safe transport and periodic training for engineering staff.
- 2 | **Eco-transport:** In urban areas dominated by cars, emphasis is placed on advancing to more diverse and environmentally acceptable means of transportation, including bicycles and automated metros and cable cars, with a focus on improving safety of these alternatives.
- 3 | **Organization of public transportation:** Local self-governance units are not sufficiently integrated in the coordination of public transport services, leading to inefficiency and increased reliance on private vehicles. Recommended is a more efficient coordination of the public transport system in order to improve accessibility and reduce urban congestion.
- 4 | **Climate change and road infrastructure:** It is necessary to adapt the guidelines for road design and construction in order to address the impact of climate change, such as increased precipitation and temperature variations.
- 5 | **Reducing energy consumption:** It is important to ensure rational use of energy in transport as part of the EU's strategic goals, promotion of urban mobility and e-mobility.
- 6 | **Cycling infrastructure:** As part of sustainable development, modern cycling infrastructure can improve health and reduce air pollution.
- 7 | **Aquaplaning research:** What is noted is a lack of research into aquaplaning in local road infrastructure, stressing the need for guidelines to improve road safety in unfavorable weather conditions.
- 8 | **Types of transport intersections:** Research has been conducted on how different types of intersections impact air pollution levels, with results suggesting that roundabouts can reduce emissions compared to traffic signal intersections.
- 9 | **Traffic safety and roundabouts:** Considered was the problem of traffic accidents at roundabouts due to failure to observe traffic regulations. Emphasized was the importance of proper traffic signaling and roundabout designing for greater safety and efficiency.
- 10 | **Shared mobility:** Stresses the impact of pooled mobility on choice of transportation, advocating for optimized sharing of resources to promote sustainable mobility.

- 11** | **Traffic congestion in the Tuzla Canton:** Emphasized was the critical condition of road infrastructure in the Tuzla Canton. The government of the Tuzla Canton issued a declaration on priority projects to decongest traffic, including several crucial development directions. These key routes should be incorporated into the national motorway and expressway construction plans of Bosnia and Herzegovina.
- 12** | **BIM and infrastructural projects:** An example of the importance and use of BIM technologies was presented for the project to connect the Rijeka port to the national road grid.
- 13** | **The Belgrade Bypass:** The analysis of the transport effects generated by the construction of the Belgrade Bypass showed an improved traffic flow and a reduced number of traffic accidents.
- 14** | **Addition to the TEN-T network:** It is necessary for the relevant authorities to undertake the appropriate activities to include the Izačić – Bihać – Jajce expressway in the TEN – T network.
- 15** | **The Adriatic-Ionian motorway:** Discussed were the activities to build the Adriatic – Ionian motorway through Bosnia and Herzegovina. This motorway is part of the strategy to develop transport infrastructure in broader Europe. Under way is the implementation of the Adriatic – Ionian motorway project through Bosnia and Herzegovina – the Počitelj – Stolac section.
- 16** | **Cross-border cooperation:** Modernization of border crossings and building of new road connections between Bosnia and Herzegovina and the neighboring countries impacts the strengthening of economic ties.

Overall, the document stresses the need for enhanced transport infrastructure, safety measures, and regional cooperation in order to improve transport networks in Bosnia and Herzegovina and the neighboring regions.

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