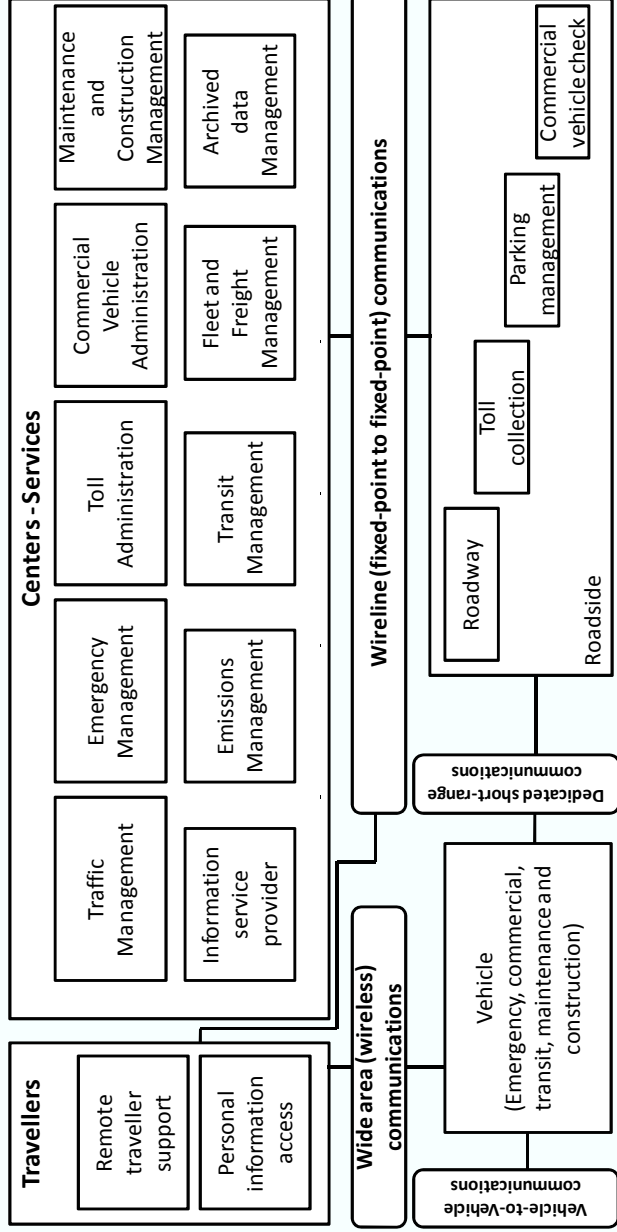


Transportation: Service development, management functionality



❖ Objectives (from services)

- Dynamically resolve congestion situations
- Reduce time and increase the utilization of transportation means
- Services/ platform development

❖ Achievements

- Car pooling system for remote traveller, traffic management, emissions' management, etc.

❖ Y. Kritikou et al., "A management scheme for improving transportation efficiency and contributing to the enhancement of the social fabric", Telematics and Informatics Journal, Vol. 26, No. 4, pp. 375-390, November 2009

❖ Y. Kritikou et al., "A Management System for Improving Traffic Efficiency in Transportation Infrastructures". In Proc. of 1st International Symposium on Vehicular Computing Systems 2008 (ISVCS 2008), Dublin, Ireland, July 2008

- Overall combination with application of cognitive communication networks of transportation infrastructures

❖ G. Dimitrakopoulos, P. Demestichas, "Intelligent transportation systems based on cognitive networking principles", IEEE Vehicular Technology Magazine, Vol. 5, No. 1, pp. 77-84, March 2010

❖ Technical Approach

- Cognitive/ autonomic systems
- Information extraction from the infrastructure
- Telecommunication networks of transferring extracted information
- Processing computing of optimal decisions
- Services/ platform development