

## **IPA KHE-STO: AN ANALYSIS OF TERRITORY FOR +BETTER PUBLIC TRANSPORT**

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### **Abstract**

In a dynamic world people are forced to travel daily in long distances to reach schools and working places. A multitude of factors forces such daily mobility – gradual and catastrophic environmental changes, building of new infrastructures, shifts in economic activities, evolution of social and political relations etc. This continuous traveling has enormous environmental and economic costs and often leads people to abandon remote areas towards metropolitan areas. People are forced to travel daily losing lot of time, and often using private vehicles increasing the air pollution. Forced increase of metropolitan areas generates a multitude of social and economic problems related with the necessary living and working conditions in overpopulated areas; as well as abandoning of remote areas may lead to destruction of specific important economic activities and cultural diversities. Improving travel options – the infrastructure and travel means offering commodity for the traveler and possibilities to use the time preparing for the work or the school, talking with colleagues, consulting online media for work and entertainment, all this would create conditions for people to stay in their remote residence areas. The IPA Adriatic project KHE-STO aims the use of ICT to improve public transport conditions regarding reduction of pollution, amelioration of transport conditions and reduction of costs. The project will experiment the use of ICT for several purposes. First it is monitoring of different traffic parameters related with the environment, in particular the quality of air within public vehicles. The system will offer to passengers different electronic media facilities for both work and entertainment during the voyage; considering also media preselected by request and stored in the vehicles systems – the solution aims to avoid direct Internet access where possible to reduce the 3G telecommunications costs. Security issues will be analyzed in particular for pupils of low grade classes, monitoring their movements in / out vehicles. This paper describes the technical concept details behind the proposed solution.

**Keywords:** *public transport, remote areas, environment, information and communication technologies*