



INSTITUTE OF TRANSPORT STUDIES

# INSTITUTE OF TRANSPORT

***Brikena Tare***

General Director

Background

Mission & Objectives

Partnership

Change & Reformation

Albanian Road Network

IT Experience in Interreg Projects



# Background

## **IT – Institute of Transport (Albania)**

- **The only Governmental body on transport studies**
- **Established in 1985**
- **Certified by:**
  - **Ministry of Public Works, Transports and Telecommunications**
  - **Albanian Road Code**
  - **Law No. 7893 date 22.12.1994: “On Science and Technology Development” for studies and research on road, rail, maritime and air transport systems**



# Mission

The mission of IT consists on:

- Long- and medium-term studies for developing transport systems, including compilation of development strategies
- Implementing new technologies and advanced transport systems
- Tendencies and planning of traffic, including transport corridors
- Pre-feasibility and feasibility studies including Traffic Urban Plans and Signaling for cities over 20 thousand inhabitants
- Harmonization of transport legislation by EU guidelines and international conventions
- Training and development of IT employees



# Objectives

- Establishment of the transport sector database as a source of data for all transport activities, including the maintenance and updating of this database.
- The IT will act as a Central Information Source for transport sector providing data and analytic instruments to MPWTT for transport sector policies and strategies development.
- To maintain and update the National Transport Plan (NTP) and investments programs pertinent.
- Assistance and consultancy to MWPTT on revision and adjournment of the transport sector policies, regulations and implementation of EU directives as well as respective recommendations.



# Objectives

- Pre-feasibility studies on engineering projects for compilation of Urban Traffic Plans and Signaling Plans of cities and national road traffic.
- Assistance to MPWTT in the preparation and amendment of the legislation according to the S&A Agreement directives relating to the international conventions and standards for transport sector.
- Other services and studying activities for third parties in transport field such as: evaluations, expertise, trainings, etc.
- Participate as consultant or local partner in regional and international projects in the field of transport.



# IT Partners

Collaboration with consultants from:

- ✓ Italy, Belgium, Netherlands, England, Switzerland

Namely, with:

- T.E.C.N.I.C Consulting Engineers Rome (Italy)
- TEAM Group (Italy)
- Polytechnic University of Trieste (Italy)
- ITECO (Switzerland)
- Transurb (Belgium)
- GEM (Netherlands)
- NEA (Netherlands)
- ScottWilson&Krickpatrick (United Kingdom)
- GIBB (United Kingdom)



# IT Projects

IT as Local Subcontractor, in projects funded by Phare, CARDS, etc:

- Pre-feasibility Study (PFS) on Bypasses of Gjirokastra and Tepelena (CARDS)
- Master Plan of Saranda & Shengjin Ports (World Bank and Netherlands Gov)
- Albanian New Road Code and Implementation Measures (Albanian Gov)
- FS and reorganization of the Vehicles Technical Control Centres (Neth. Gov)
- Balkan Transport Study (PHARE & Transport MultiCountry)
- FS on the Development of the Railway and Combined Transport in international axes in Central and Eastern Europe (PHARE & Transport MultiCountry)
- Study on reorganization of Bus Public Transport in Tirana (PHARE)
- European Commission Programmes:
  - **Interreg III A Adriatic Cross Border Programme**
  - **Interreg III B Adriatic New Neighbourhood Programme**
  - **FP7 Programme (on-going)**



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# IT Cooperation Network

## WEBSITE

[www.itsal.org](http://www.itsal.org)

## Local Cooperation

- Albanian National Statistics Institute (INSTAT)
- Durres Port Authority and other ports of Albania
- General Department of Albanian Railways
- General Road Department
- General Department of Civil Aviation
- Regional Statistics Departments
- National Customs Department
- Private Operators in the Road Transport Sector
- Ministerial and Governmental Institutions



# IT Cooperation Network

## International Cooperation

- Technical Secretariat of operational programme INTERREG III A Greece-Albania, Thessalonica, Greece
- Technical Secretariat of Corridor VIII, Bari, Italy
- Competenze e Risorse per la Mobilita, ISFORT, Rome, Italy
- ECTRI, “European Conference of Transport Researches Institutes” and the Projects: NET-TRACK, EURFORUM of European Commission
- CEI, Central European Initiative
- CEE Rail, Central East European Rail, Terrapin Ltd
- Railway Technology - Latest Industry News, SPG Media Limited, London, UK



# IT Cooperation Network

- ECMT, European Conference of Ministers of Transport (actually International Transport Forum)
- Regional Research Center of the Academy of Science of the Republic of Hungary
- Institute of Transport Studies in Bulgaria
- East West Institute on the Project Prespa/Ohrid in Balkan Region
- World Highways & ITS International
- Managenergy, Directorate of Energy and Transport of European Commission
- Transport Research Knowledge Centre (TRKC)
- The European Road Transport Research Advisory Council (ERTRAC)



# Change & Reformation

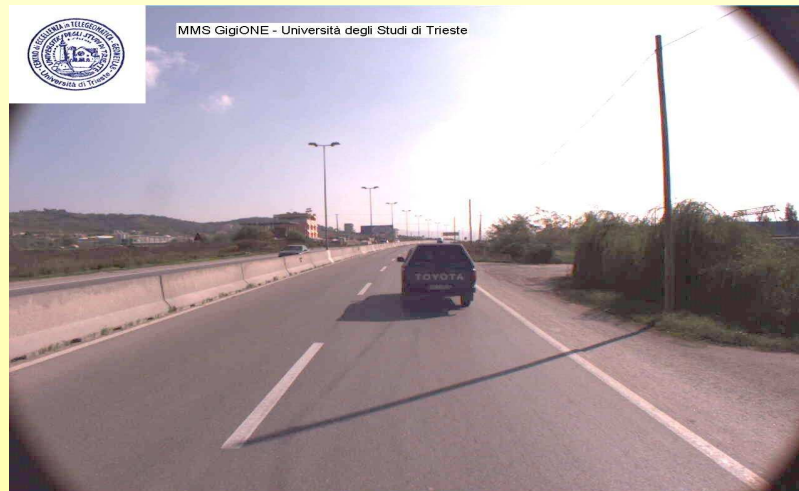
## IT reformation targets:

- new mission
  - new capacities
  - new achievements



# ALBANIAN ROAD NETWORK

## Overview





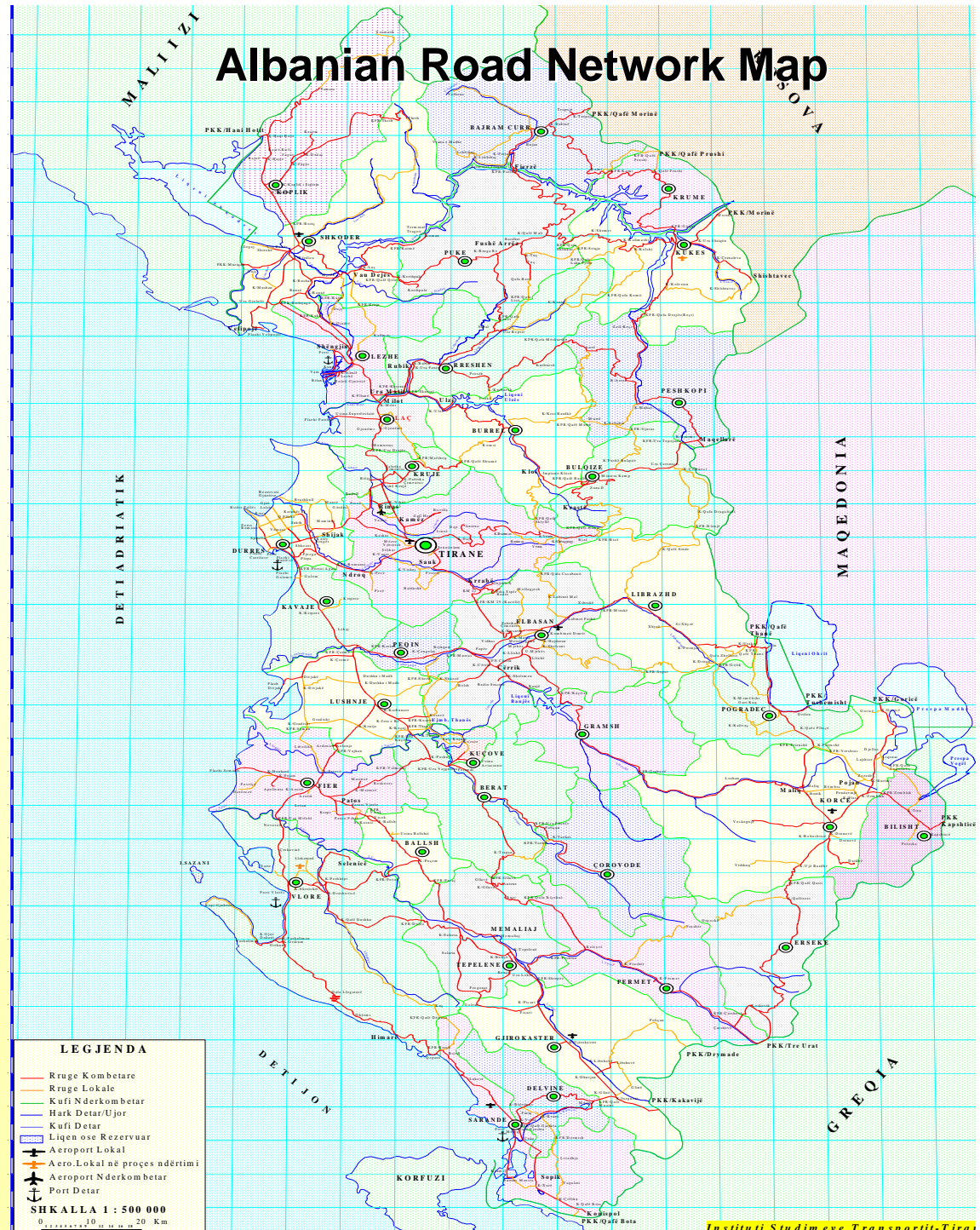
- Main national roads 3436 km
- Regional roads 4791 km
- Commune roads 6373 km
- Domestic roads 4000 km

**Current technical situation of main national roads**

(IT studies):

- Very good 20%
- Good 30%
- Not good 50%

**Aiming to achieve the technical parameters of European roads**





# Transport Networks Links

Road and transport networks are linked by:

- ✓ **Railway network:** main line 447 km; secondary line 200 km
- ✓ **Adriatic coast ports:** Durrës, Vlora, Shengjin, Saranda
- ✓ **Aeroports:** International aeroport “Mother Tereza”





# Adriatic Touristic Roads Survey

INTERREG III A Adriatic Crossborder European Commission Programm

Project "Survey and Information System of Adriatic Roads"  
(SISA), 2004-2006

## Objective

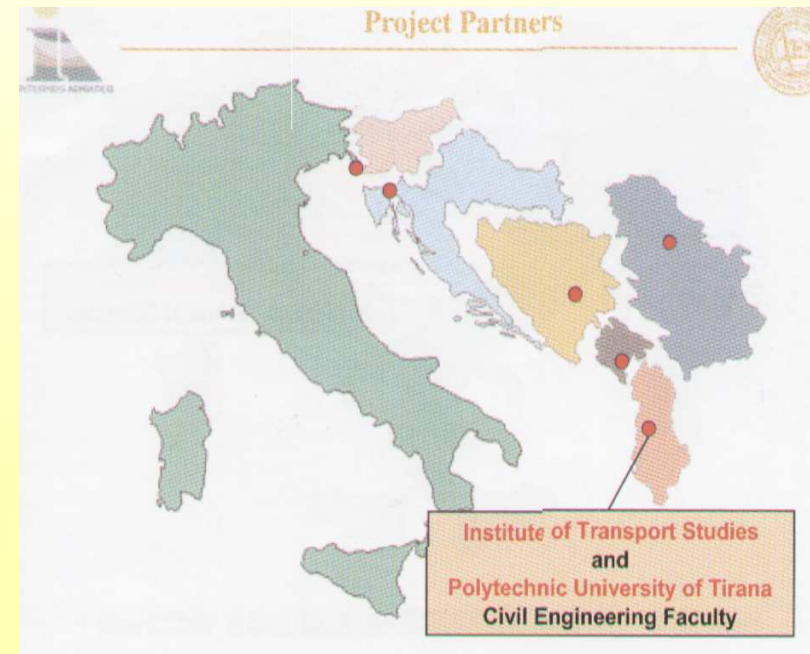
Survey of about 1200 km roads along the Eastern Adriatic Coast from Vlorë, Albania, in the south to Montenegro, Serbia, Bosnia and Herzegovina, Croatia Friuli-Venezia Giulia, Marche and Abruzzo, Italy.

Partner countries: 6

Surveyed roads: 1.280km

Photoframes number: 182.000

Database dimension: 45,5 Gb





# “Survey and Information System of Adriatic Roads”(SISA)

## Mobile Mapping System, MMS



In Albania

Surveyed roads: 320 km

Photoframes number:54.000

Database dimension: 9,0Gb

MMs provides a vast amount of information by:

-Georeferenced and geo-oriented photograms

Useful for:

- Territorial planning
- Policy design
- Data base
- Tourism





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# Albanian Touristic Roads

## General view



MMS GigiONE - Università degli Studi di Trieste



MMS GigiONE - Università degli Studi di Trieste



MMS GigiONE - Università degli Studi di Trieste



# Adriatic Tourist Roads & Ports

## Alignment of road axes surveyed in Albania:

- Hani Hotit – Vlora
- Elbasan - Qafa Thane
- Tirana – Durres Motorway

**Adriatic Coast Ports:** Durres, Vlora, Shengjin, Saranda





# “Survey and Information System of Adriatic Roads”(SISA)

## Conclusions

- ✓ Collected data are in right format to build a GIS database
- ✓ A Geographic Information System is a tool to support decisions, policy making and Governance.
- ✓ The construction of Geographic Information System is based on prompt high density and high accuracy data.
- ✓ The application of a MMS matches these requirements

### **Collected data are useful to:**

- Real time road status analyses
- Road safety control
- Tourist applications
- Works planning
- Adriatic countries database harmonization



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# Contact us

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