

Tirana, Albania

Ministry of Transport and Infrastructure Institute of Transport

Vera Shiko, Transport Engineer/Researcher

CONTACT

vera.shiko@ital.gov.al

WEBSITE

www.ital.gov.al

ABOUT US

1. INSTITUTE OF TRANSPORT – Introduction/Briefs

- Established on 1985,
- in the support of the Transport strategy in Albania,
- under the administration of MTI

IT operates under the Law No. 7893 date 22.12.1994: “On Science and Technology Development for studies and research on road, rail, maritime and air transport systems” and VKM no. 861, dt. 21.11.2007 is the unique juridical, public, state and governmental institution specialized on transport studies, Feasibility studies and pre-feasibility studies on road, rail, maritime and air transport as well as projects, oponece and consultancies.

2. The Mission

-To maintain and update the Albanian National Transport Plan (ANTP). -Establishment of the transport sector database for all transport activities, including the maintenance and updating of this database. -Assistance to MPWTT in the preparation of the transport studies - **Other services and studying activities for third parties in transport field, evaluations, urban plan of traffic and signaling of the cities and their updating, expertise, trainings, etc, Participation in Regional and European Projects as Local Partner and EU RTI Networks membership.**

IT – Experiences & Achievements by years

IT accomplished different studies and projects in national and international level:

- Road Transport
- Rail Transport
- Maritime Transport
- Air transport

with focus in - R&D Collaboration for:

- Studies on Transport Planning and Traffic signaling
- Studies on Transport Infrastructure
- Studies on Transport Policies and Strategies
- Studies on Legislation in Transport

Working in multi-instituional/ministries working group on scientific and research work on RTI in transforming the transport sector and economy towards renewable energies resources, to reduce CO2 emmissions from transport sector activities and infrastrucuturs.

AREAS OF ACTIVITY

SERVICES

- Education
- Research
- Innovation management
- Consultancy
- Other Services

TECHNOLOGIES

- Ecology and environment
- Energy (oil, gas, electricity)

- Security
- Transport (air, sea, rural)

INDUSTRY

- Energy
- Green technology & Sustainability
- Infrastructure
- Maritime & Ship building
- Transport & logistics
- Water management
- Other

What are you looking for...

↳ “The Contribution of Transport in Decarbonisation and Climate Change aspects”

Research on climate change has shown that limiting carbon emissions from transport in order to achieve sustainability targets will be extremely difficult to achieve. It is an immediate domain developing medium and long-term environmental objectives for a sustainable transport system.

In general, the Climate Change aspects include all the adverse side effects of transport on the environment, including air and water pollution, noise, vibration, visual impacts, social impacts and waste disposal. Innovations such as car sharing or car pooling schemes can help to reduce environmental impacts, and there is also considerable scope for greater use of non motorized modes of transport (walking and cycling), especially in urban areas.

The worldwide transport sector supports the ambitious targets proposed in EU Transport White Paper, already helping to reduce greenhouse gas emissions and can play a major role in achieving low- or zero-carbon mobility. Achieving “clean” mobility will involve the process of decarbonisation.

Decarbonisation means reducing greenhouse gas (GHG) emissions produced as a result of transport, including emissions released directly during transport and emissions due to the production of transport - for example emissions from the production of electricity used to power a given mode. Decarbonisation also includes emissions resulting from the manufacture and/or disposal/recycling of products and vehicles.

Environmental considerations expect to draw the attention of researchers on climate change and decarbonization issues, in particular, in transport sector need to be integrated into future Community policies.

SOLUTION OR EXPERTISE SOUGHT

Expertise regarding with measures on low carbon technologies in transport sector for:

- electric buses and other bio-fuels
- electric rail transport in urban areas and further energy savings to be achieved by using lighter weight/composite materials (30% potential energy savings), and by optimizing energy recuperation devices (up to 45% potential energy savings) and train operation management.
- Electric cars in car fleets complementary to public transport, such as taxis or car-sharing.

Case studies about new technologies to meet the greater ambition of reducing our greenhouse gas emissions by 60-80% by 2050.

TYPE OF PARTNER SOUGHT

Partners with experience in the field low carbon technologies in vehicle production, infrastructures for urban planning and urban policy, such as:

Avoid/Shift/Improve policy

Modal shift

Increasing commercial speed and reliability

Buses& bio-fuels

Electric cars

Operational efficiency gains& Eco-driving

Energy savings transport infrastructure