





# GIFT 2.0: Logistics and Passenger transport in the Adrionion Macro-Region



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**2007-2013**

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# GIFT 2.0: Greece-Italy Facilities for Transport

- Improvement of multimodal transportation for passengers and freight (Apulia, Western Greece) by coordinated management of existing infrastructure and services
- Personalized travel options, by combining real-time information on services, budget and preferences



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# Objectives

- Reduction of **time&cost** of transportation
- Better travel **services** in large hubs
- More effective **function** of hubs with less cost
- Strengthening of smart **cross-border lines** of multimodal transport
- Promoting **training** in innovative multimodal transport tools
- Support of transportation **sustainable growth**: ports, airports, suburban lines

# «GIFT-freight» pilot for freight transport

- Platform and mechanism for **matching supply and demand** in freight transport
- Maximum **coverage** of vehicle **capacity**
- Use of **information** and user's **dynamic profile**
- Development of a **reliable system**, for achieving trust among members
- Support of a **certification mechanism** for transport quality





# «GIFT-freight» pilot for freight transport

University of Patras established basis for:

- **Logistics** exchange of freight supply/demand data
- Maximizing use of **full capacity** using the electronic shipping manifest and participants dynamic profile



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# GIFT-freight pilot – Methodology (1/2)

- Development of a relational freight supply-demand **database**
- Development of a **geographical information system**
- Identification and establishment of **user roles**
- Integration of **supply-demand matching** logic




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# GIFT-freight pilot – Methodology 2/2

- Actions to attract **qualified users**
- Integrated installation/test of the **pilot case**
- Development of pilot case **scenarios**
- Exchange of **freight data** related to:
  - businesses,
  - shippers,
  - shipping needs,
  - shipping offers.



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# GIFT-freight pilot

## Less-than-Container-Load

University of Patras:

- supports pilot platform **optimization** for freight modules (**architecture, parameterization** for EL application)
- uses GIFT platform to **realise pilot** for container traffic by testing EL application for:
  - data input,
  - user registration,
  - start-up operation.



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# «GIFT-passengers» pilot for passenger transport

- Platform for **matching** needs and preferences
- **Full package** for user (transportation, accommodation, touristic guide etc)
- **User-friendly** services (organized combination of wishes and needs)
- More **credibility** for participating companies, since participation works as a **quality label**
- Reduction of **promotion & advertising** expenses



# «GIFT-passengers» pilot

## Tools for occasional users (integrates transport modes)

- Actors were brought together by Region of Western Greece
- Chambers provided participation of their members
- UPatras worked on development and parameterization of EL database by providing database architecture
- UPatras realized pilot for occasional users using GIFT platform







# GIFT 2.0

smart ways

## Adjust your route preferences:



Food & Drink

Average



Trips

Plenty of



Monuments

A little



Submit






# GIFT 2.0

smart ways

Input your route costs:

 Budget 200,00

 Time 260 min

Go back

Submit



# GIFT 2.0

smart ways

## Suggested Points of Interest

1



Naupaktos

2



Georgiou I Square

3



Patras Castle

4



Old Municipal Hospital

5



Ancient Olympia

6



Sinialo

7



Vino di Vino

8



Mr Burger

# Participating enterprises

- Restaurants
- Coffee shops
- Gift shops
- Museums
- Car-rental companies
- Tourist agencies
- Site-seeing operators



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# Obligations

- Entering the system daily
- Presentation of the services which are provided
- Updating about special offers
- Real-time information when service is not available or service hours and days have changed



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# GIFT2.0 training activities

- Handbook about Training
- Training days/Workshops
- International Course about ITS and GIFT 2.0 content:
  - student exchange,
  - short courses, presentations, labs, workshops, demonstration activities.



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# Capitalisation activities

- Megaregions
- TEN-T
- Connecting Europe Facilities
- Smart Cities and Communities
- Centre of Competitiveness



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# Crocodile 2

## Connecting Europe Facility Transport

### Member States

- Austria
- Cyprus
- Czech Republic
- Germany
- Greece
- Italy
- Poland
- Romania
- Slovenia



# Crocodile 2

Project Coordinator: AustriaTech

Beneficiaries & Implementing bodies in Greece:

- Ministry Infrastructure, Transport & Networks (Beneficiary)
- Egnatia Odos A.E. (Implementing body)
- Centre Res. & Technology Hellas (CERTH) - Hellenic Inst. Transport (HIT) (Implem body)
- University of Patras (Implem body)
- TEI Western Macedonia (Implem body)

# Scope

- CROCODILE 2 involves public authorities, road administrations and traffic information service providers to ensure coordinated traffic management and control resulting in high quality **traveler information services**.
- Partners work together to **improve cross-border traffic** and transport through harmonized and synchronized **ITS applications**.

# Objectives

University of Patras will:

- Develop & deploy technologically advanced systems for national highway network management
- Provide innovative services to travelers and contribute to key activities for ITS deployment on TERN in Greece.
- Support:
  - (a) Exchange of information within the country and between countries, including info for safe travelling and safe and secure freight transport
  - (b) Data management via coop across management plans
  - (c) Positive impact on CO2

# Actions

- 1. Data collection and exchange:** Systems and interfaces with National ITS Single Access Point and Data Warehouse.
- 2. Information for safe and secure freight transport:** Coordination and communications for safe and secure parking places for commercial freight truck drivers along TERN, including information, communications and reservation services. Focus on transport of dangerous goods.



# Actions

**3. Architecture** will support interoperability with road operators data centers, weather stations, ITS platforms.

Will develop simple, reliable and autonomous ITS service, based on fast transmission of road traffic data to travelers and truck users, especially on Truck Parking Areas (TPAs).

Low-cost, low-energy consumption devices installed permanently along road and low-cost, simple nomadic devices for trucks.

# Actions

- 4. Information provision** to travelers: Multiple communications channels, including RDS-TMC.
- 5. Cooperation** for integrated traffic management and control via **national traffic management and coordination centre**: Virtual national traffic management centre covering all TERN, to process traffic data of all highway operators and owners in Greece, for integrated/coordinated traffic management plans.

# Expected Results

Directly contribute to:

- Commission Delegated Regulation (EU) No 886/2013 on the provision of road safety-related minimum universal traffic information free of charge to users.
- **Provision of information services for safe and secure parking places for trucks and commercial vehicles.**
- Provision of EU-wide real-time traffic information services in line with EU regulation and policy.