



# MOBILITY SOLUTIONS CASES IN GREECE

## PAST AND FUTURE

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# Case 1

## Greece 2012

### TRAINOTAXI

an early paradigm of mobility

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# TRAINOTAXI, TRAINOSE mobility solution in 2012



TRAIN + TAXI = 2 EXISTING COMPONENTS + WEB = A NEW SERVICE

BOOK / PAY MODEL/ INTEGRATED TICKET



SUCCESS



# TRAINOTAXI, mobility solution of TRAINOSE

- Multimodal door to door Transportation Service initially in Thessaloniki
- Cooperation between TRAINOSE and a taxi company, “Eurotaxi”
- One rail ticket and coupon for taxi
- 15% discount in taxi (approx.)
- City zones pricing - flat cost
- Operational issues solved via the call centers or the TRAINOSE web app
  - Train delays, update of train real ETA, passengers not appearing, etc.
- Cancellations, refunds and after sales procedures, managed
- Full solution: taxi– rail – taxi
  - Reverse direction from home to station introduced later
  - Other cities introduced

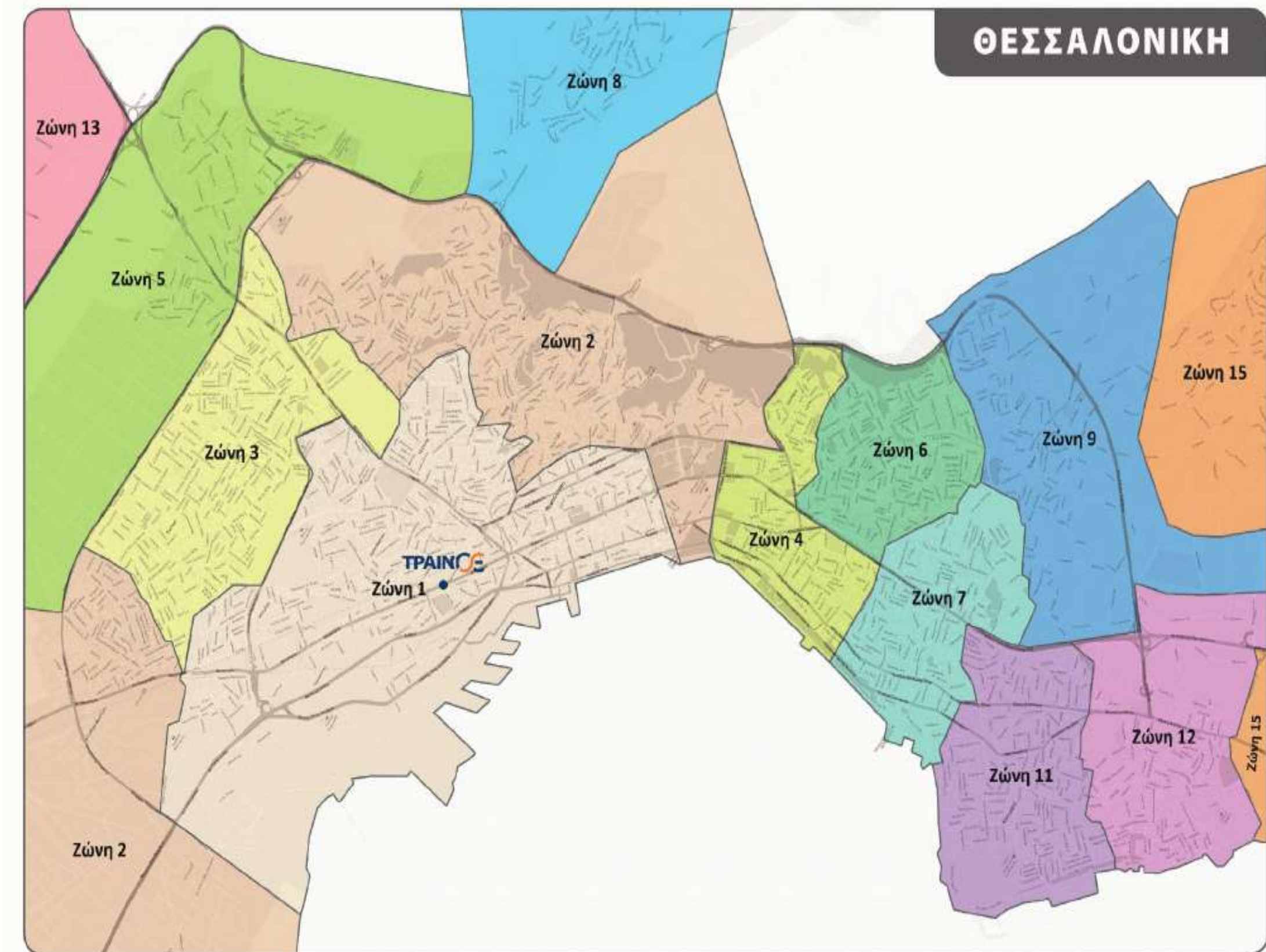
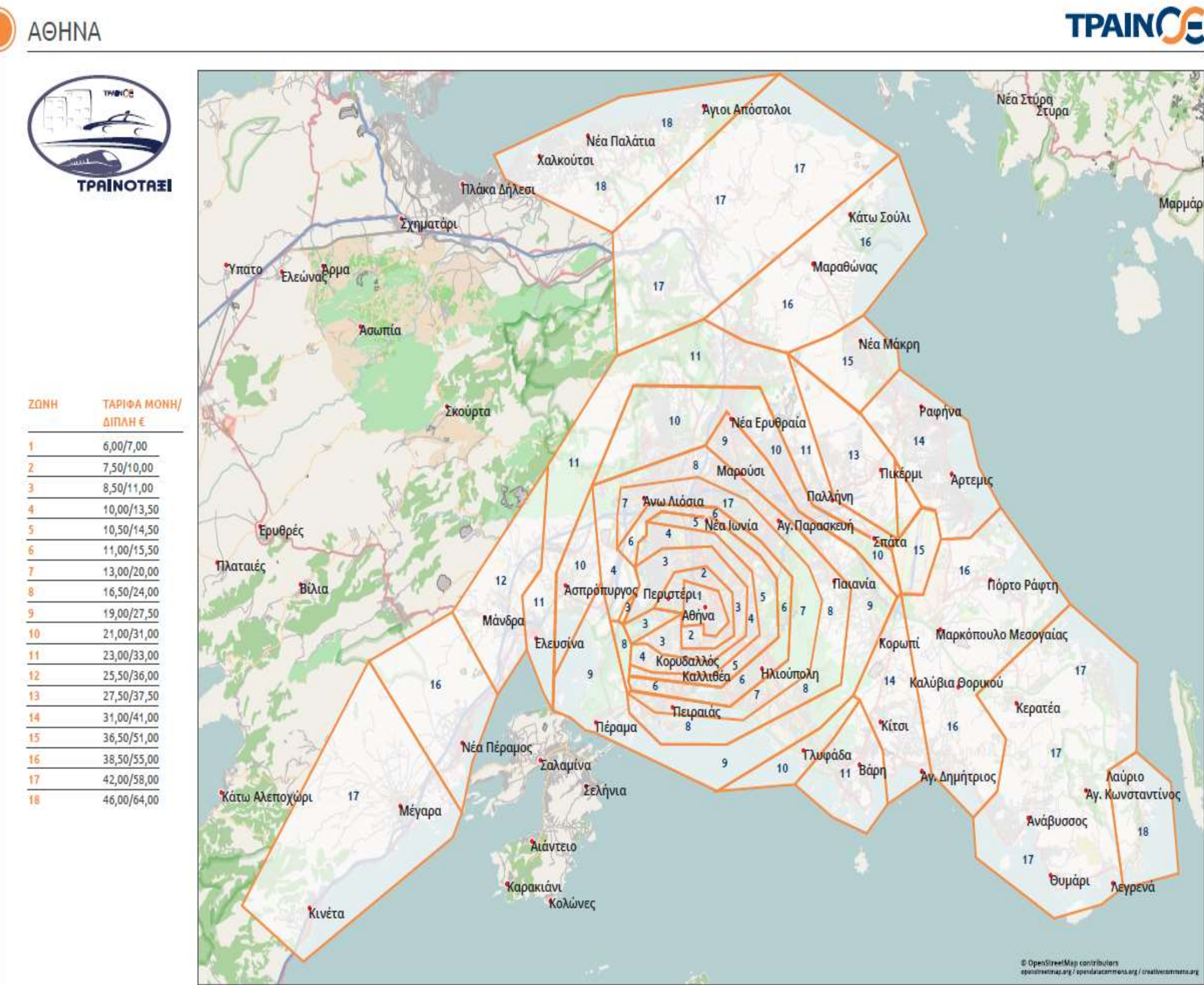




- After a successful launch of Thessaloniki followed also Athens, Volos, Larissa, Katerini, Edessa, Xanthi
- Athens, was divided in many zones, following the model of Thessaloniki.
- The other cities followed a simple zone model



# Flat Pricing Zones. Athens, Thessaloniki

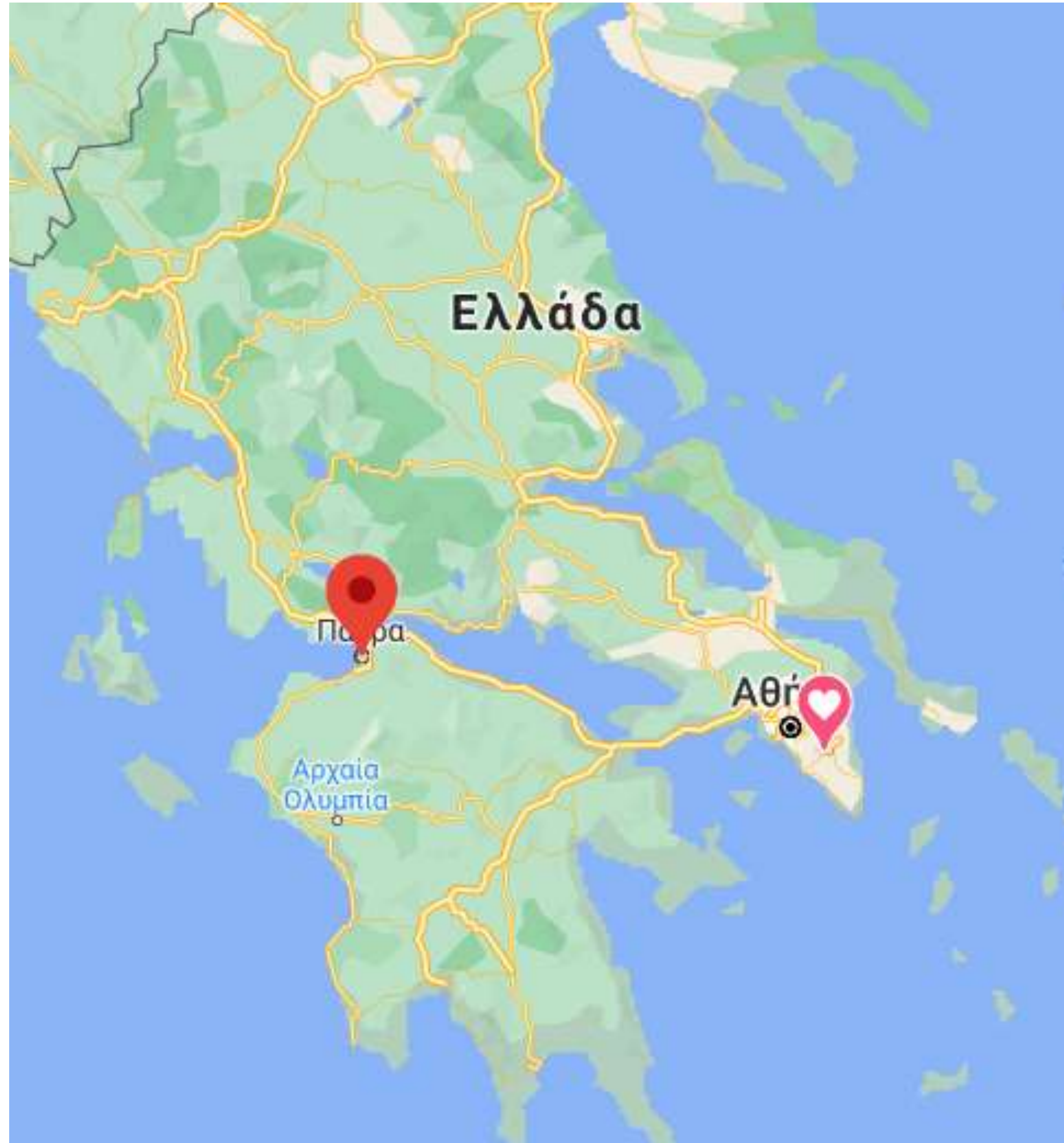


ΖΩΝΕΣ ΕΝΤΟΣ ΧΑΡΤΗ													
ΔΙΠΛΗ ΤΑΡΙΦΑ	5.00 €	6.00 €	6.50 €	7.00 €	8.00 €	8.50 €	9.00 €	9.00 €	10.50 €	11.00 €	13.50 €	11.50 €	16.00 €
ΜΟΝΗ ΤΑΡΙΦΑ	4.00 €	5.00 €	5.50 €	6.00 €	6.50 €	7.00 €	7.50 €	8.00 €	8.50 €	9.00 €	10.50 €	10.50 €	13.00 €
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# TRAINOTAXI Publicity, Epilogue and the Future

- The project was recognized as innovative. Sample citations:
  - Rail4See, 6.1\_Best-Practice-Report, May 2013
  - Ministry of Development, Competitiveness, Infrastructure, Transport and Networks
    - ITS Intelligent Transport System in Greece, Action Plan, Oct 2012,
    - ITS Progress Report for Greece, Sept 2014
  - EUROPEAN UNION HORIZON 2020 RESEARCH & INNOVATION PROGRAMME, D2.8, ALLIANCE
    - “Final course material on smart solutions for the interconnection of transportation networks”
  - Adriatic-Ionian ADRION Programme INTERREG V-B Transnational 2014-2020, Handbook
  - OECD Tourism Trends and Policies 2016, Chapter 2, Seamless transport to enhance the visitor experience
  - All Greek newspapers, and mobility magazines
- The project suspended at end of 2016 as other solutions exist in the market
- We may restart it in the future after rethinking it



## Case 2

# **PATRAS Suburban**

## Solution to a problem of the city

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# Suburban of PATRAS solution to the city problem

- Patras, in western Peloponnese, port and gate to Italy
- Back in 2010, was facing a serious traffic problem with road works, traffic jams, serious delays for commuters
- Metric gauge network
- **A) North Branch of Patras suburban (2010)**
- Tools: a short rail segment of 10 km from city centre to the north
- Poles: University and Hospital (north).
- Operation put in 2010: every hour, diesel metric trains (Stadler GTW 2/6)

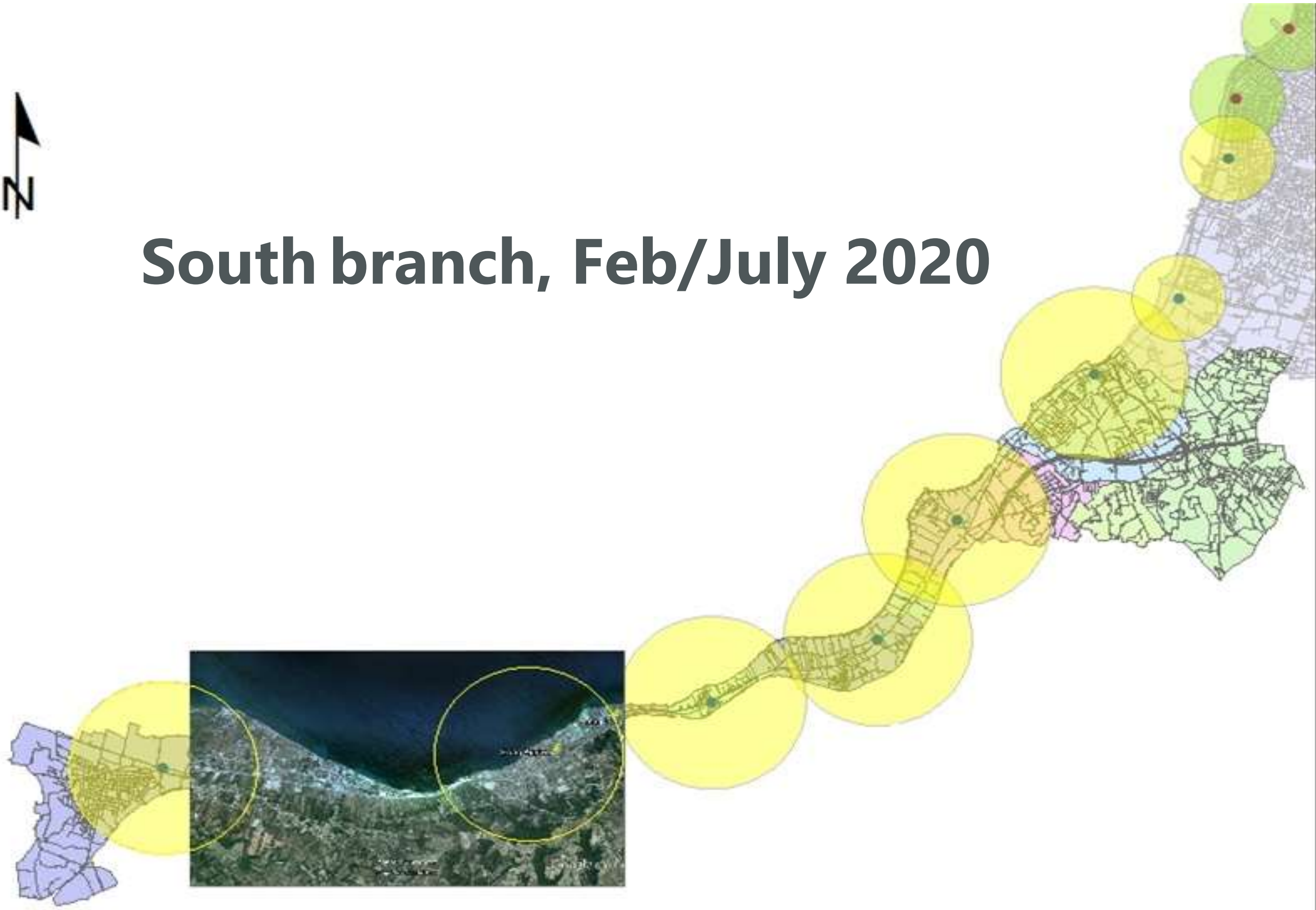


# PATRAS Suburban

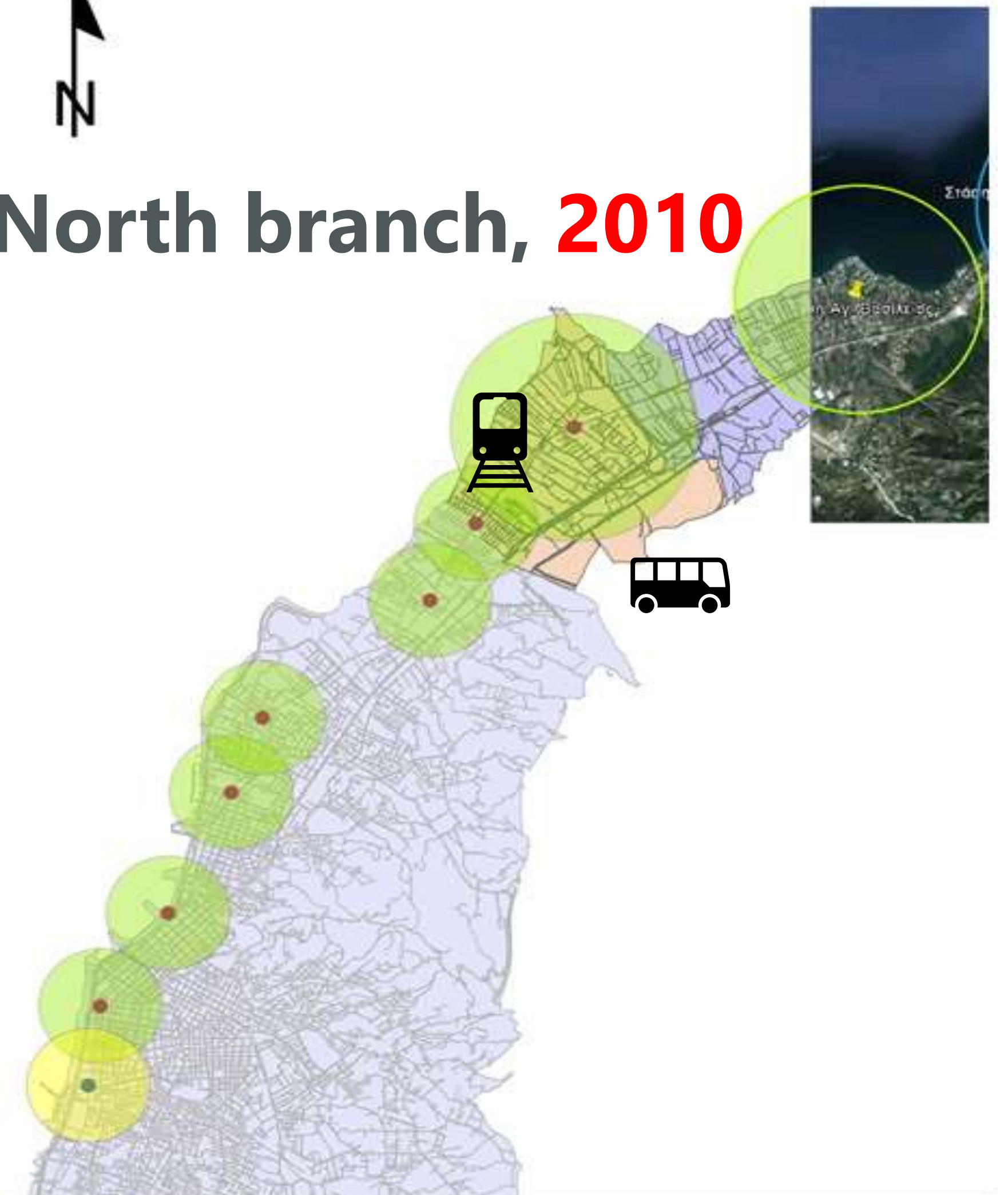
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South branch, Feb/July 2020



North branch, 2010





# Suburban of PATRAS solution to the city problem

- The main commuters' attraction poles, University and Hospital, were far from the railway line.
- Linked rail to University and Hospital by a bus line with one integrated ticket



- B) South Branch (20km) in operation, Feb/July 2020
- Challenges :
  - Last station Kato Achaia expected soon to operate:
  - places sparsely populated and not close to the rail stops
  - Kato Achaia away 2,5-3 km from the station
  - Not easy to reach walking
  - Industrial zone, a strong pole, with many commuters, is even further from the line.



# Suburban of PATRAS south branch -challenging

- Mobility problem of last mile / commuter trains
- Problems for cars, bikes, parked at/near stations/stops
- The new idea of electric bike
- In 2021 to be examined; Now ideas generation
- Why electric bike (instead of conventional)
  - Pros and Cons: age, extend capabilities and reach, cost
  - Need space, special wagons or accommodate to already existing?
  - Other cities of Greece with similar last mile problem
  - Collaboration prospects with non existing or at infancy market of e-bikes or sharing in Greece





# Case 3 FUTURE SHIP+RAIL for passengers

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## Case 3: Ship + Rail

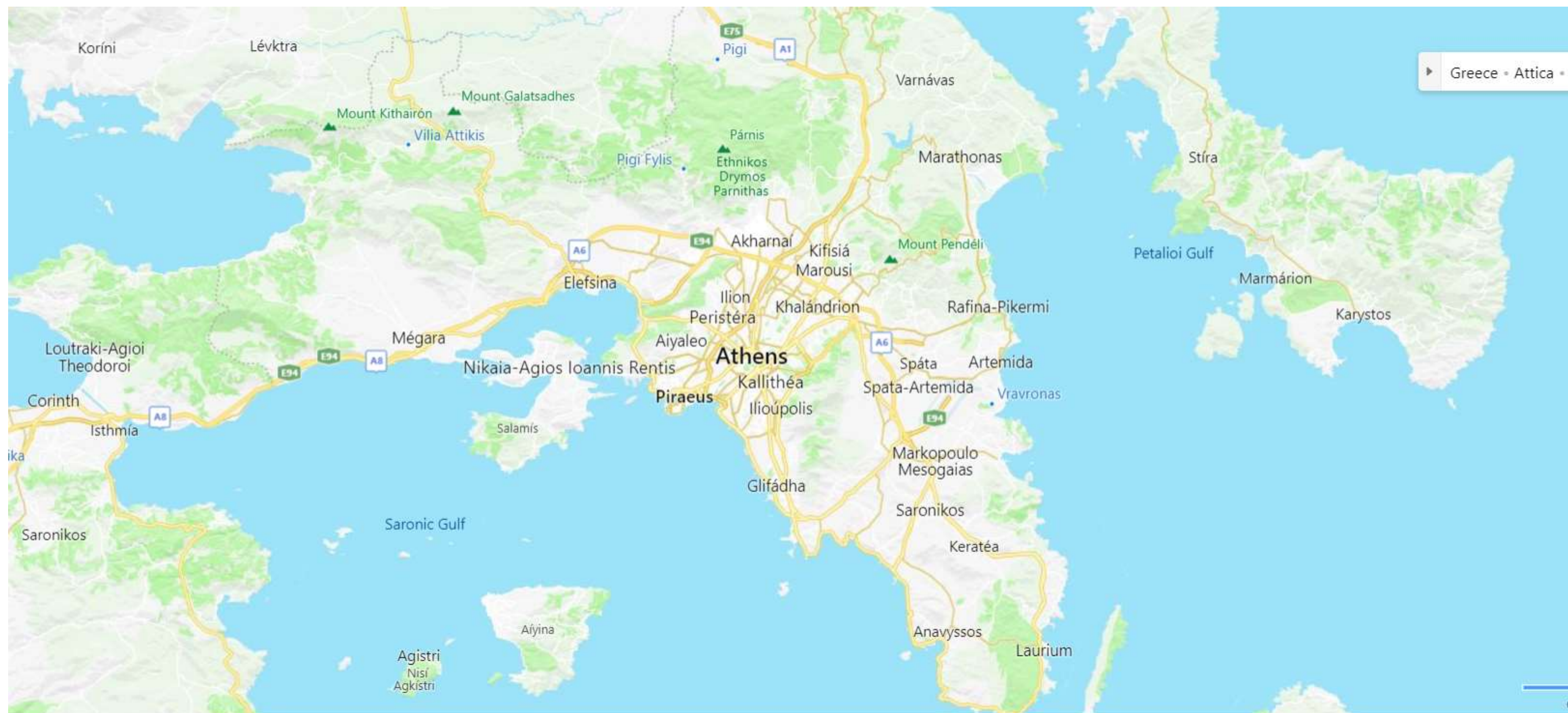
- A project started in 2020, we **currently work**
- One combined ticket for train and ship to/from Greek islands
- Hub will be the port of Piraeus, near Athens
- First aim is the corridor Athens Thessaloniki
- Prospects for touristic land destinations as Meteora
- Synergies (future)
- A common loyalty scheme
- Patras and the Adriatic corridor between Greece and Italy





## Case 4

# Athens, a real, small-scale personal example

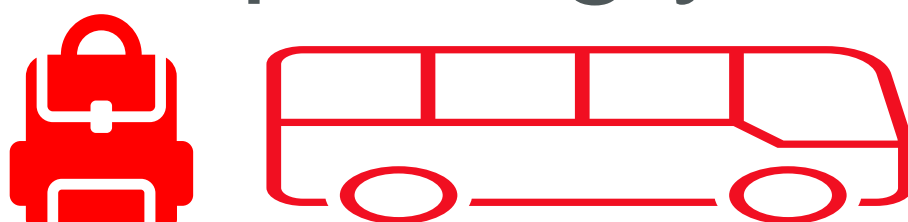




## Case 4: Mobility demand is everywhere

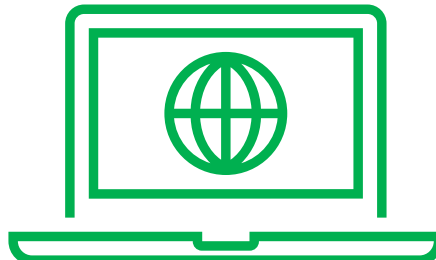

### Personal experience, a small-scale real example

- **The problem:** Transporting young school students in Athens from distance

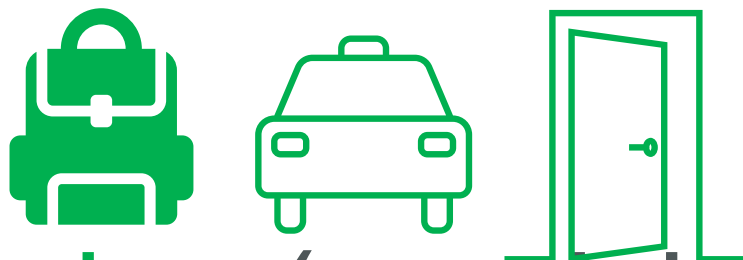
- **Old solution:** 

- renting costly bus services, not covering all areas, many parents not satisfied

- **New solution:**

- Built a web app matching home geolocation and age of students 
  - The app created best fit clusters, of 3-4 students
  - Through the app a social network between parents was created 
  - **Use of taxis on a permanent basis, shared by the clusters of same students**

- **Success**

- Cost (lower 20-30%), speed (even half travel time), service (receiving and delivering young age students door to door), satisfaction and safety as the drivers were always the same, or two different drivers per taxi 



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**Thank you for your kind attention.**