

# ADES

## Airports as Drivers of Economic Success in Peripheral Regions

Targeted Analysis 2013/2/17

Annex 3.2 Maps covering Western Greece | Version 28/02/2013



This report presents the final results of a Targeted Analysis conducted within the framework of the ESPON 2013 Programme, partly financed by the European Regional Development Fund.

The partnership behind the ESPON Programme consists of the EU Commission and the Member States of the EU27, plus Iceland, Liechtenstein, Norway and Switzerland. Each partner is represented in the ESPON Monitoring Committee.

This report does not necessarily reflect the opinion of the members of the Monitoring Committee.

Information on the ESPON Programme and projects can be found on [www.espon.eu](http://www.espon.eu)

The web site provides the possibility to download and examine the most recent documents produced by finalised and ongoing ESPON projects.

This basic report exists only in an electronic version.

© ESPON & Department of Sciences for Architecture (DSA), University of Genoa, 2012

Printing, reproduction or quotation is authorised provided the source is acknowledged and a copy is forwarded to the ESPON Coordination Unit in Luxembourg.

ISBN 978-2-919777-29-7

## List of authors

*Department of Sciences for Architecture (DSA) – University of Genoa, Italy*  
Professor Maria Linda Falcidieno, Full Professor of Drawing, Director of DSA  
Prof. Arch. Mosè Ricci, Full Professor of Urban Design  
Dr. Arch. Federica Alcozer  
Arch. Sara Favargiotti, Researcher  
Arch. Romina Ghezzi  
Arch. Beatrice Moretti

*BAK Basel Economics, AG, Switzerland*  
Prof. Dr. Urs Müller, Director and Chief Economist  
Christoph Strueby, Research Associate  
Larissa Müller, Research Associate

*Knowledge and Innovation Intermediaries Consulting Ltd (KiNNO), Greece*  
Yiannis Geragotellis, Managing Partner  
Dr. Konstantinos Fouskas  
Charis Loupassi

*Jyväskylä University School of Business and Economics, Finland*  
Professor Hannu Tervo  
Dr. Kirsi Mikkala, Research coordinator  
Kari Itkonen, Researcher  
Pekka Pyöry, Research assistant

*With local stakeholders input by:*

Arch. Antonio Schizzi, Provincia di Savona, Italy

Stathis Papachristopoulos, Vice Director for Regional Development Funds, Greece

Laura Ahonen, Project Manager, European Officer City of Jyväskylä, Finland

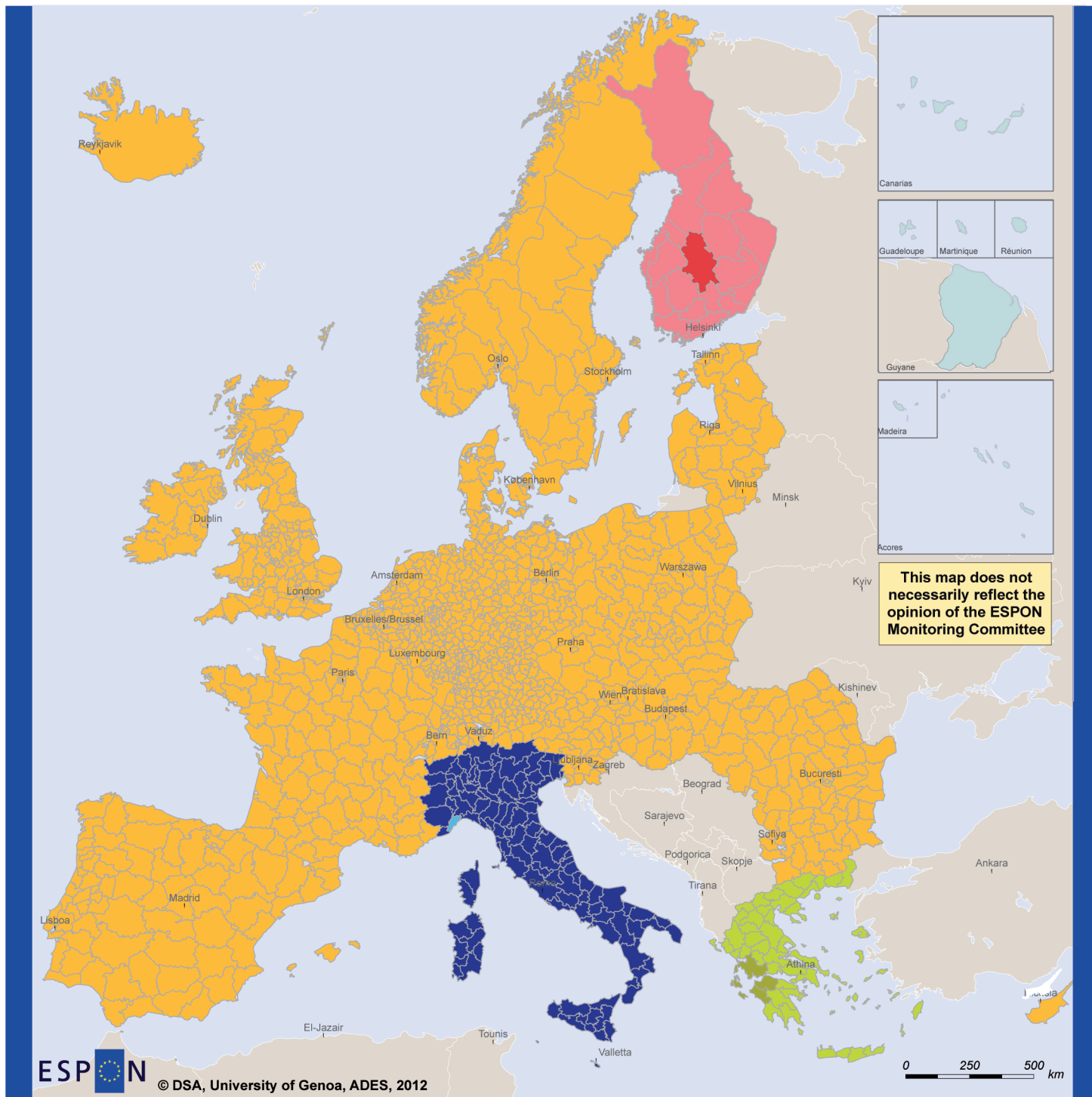
*With further input by:*

Tietoykkönen, Finland

## Table of figures

Geographical location of stakeholder regions .....	5
Geographical location of regional airports in the case study regions .....	6
Surface, population and density in the case study regions .....	7
Airports in Greece .....	8
Accessibility by airports in Western Greece .....	9
Accessibility by highways to airports in Western Greece .....	10
Accessibility by secondary roads to airports in Western Greece .....	11
Accessibility by intercity trains to airports in Western Greece .....	12
Harbours in Western Greece .....	13
Beaches with blue flags in Western Greece .....	14
Natural parks in Western Greece .....	15
Cultural heritage in Western Greece .....	16
Industrial districts in Western Greece .....	17
Number of companies and employees in Western Greece .....	18
Shopping malls in Western Greece .....	19
Commercial import-export in Western Greece .....	20
Research institutes in Western Greece .....	21
Universities in Western Greece .....	22
Sport complexes in Western Greece .....	23
Hospitals in Western Greece .....	24
Comprehensive map for Western Greece (1) .....	25
Comprehensive map for Western Greece (2) .....	26
Aktion airport in Western Greece .....	27
Andravida airport in Western Greece .....	28
Araxos airport in Western Greece .....	29
REload strategy in Aktion airport: touristic airport .....	30
REuse strategy in Araxos airport: platform airport .....	31
REcycle strategy in Andravida airport: EcoAirpark .....	32
Aktion airport masterplan: touristic airport .....	33
Araxos airport masterplan: platform airport .....	34
Andravida airport masterplan: EcoAirpark .....	35

# ADES Stakeholder Regions in Europe



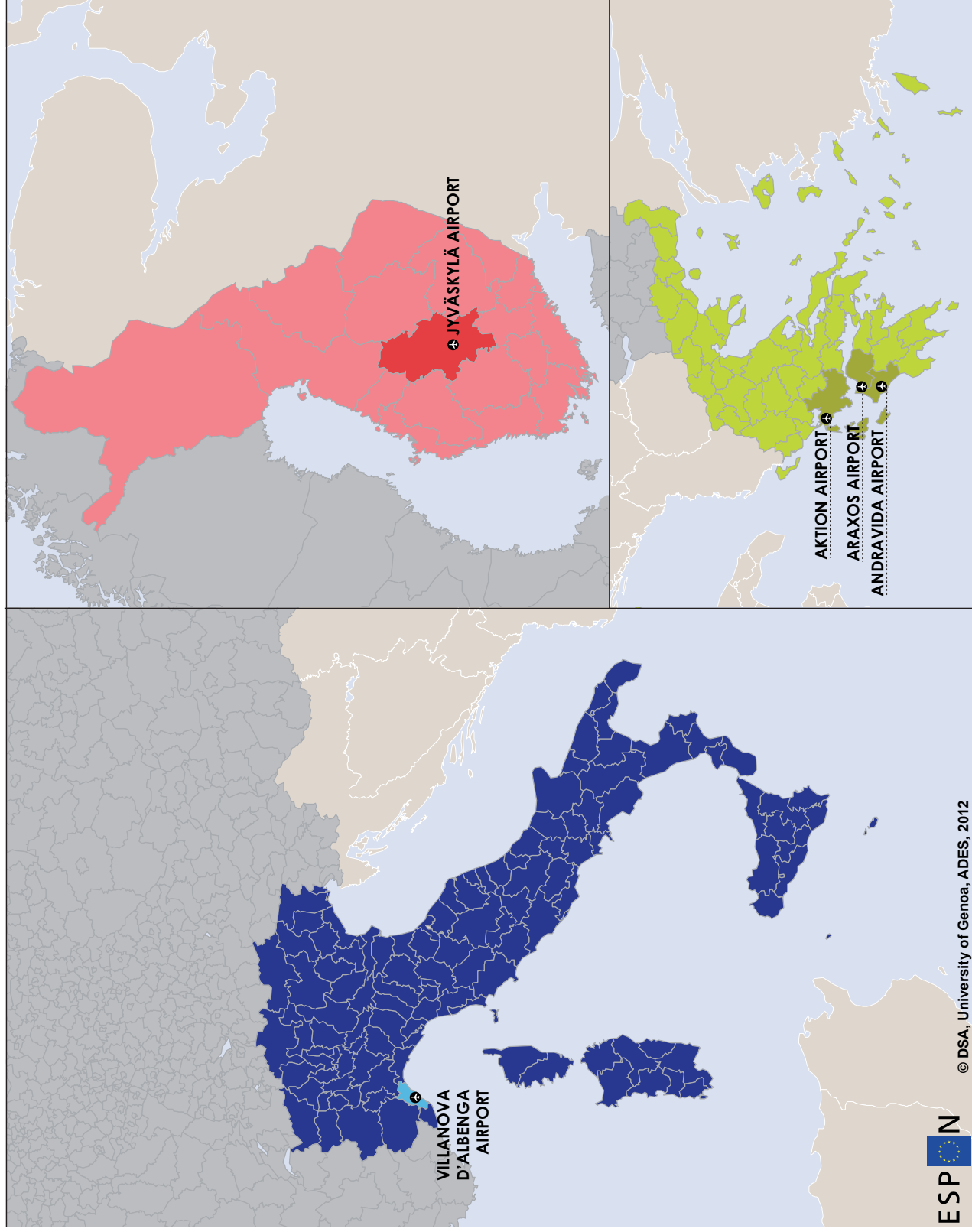

 EUROPEAN UNION  
 Part-financed by the European Regional Development Fund  
 INVESTING IN YOUR FUTURE

Regional level: NUTS 3  
 Source: <http://philcarto.free.fr/>  
 Origin of data: European map  
 © EuroGeographics Association for administrative boundaries

## Legend

- Finland
- Central Finland
- Greece
- Western Greece
- Italy
- Provincia di Savona



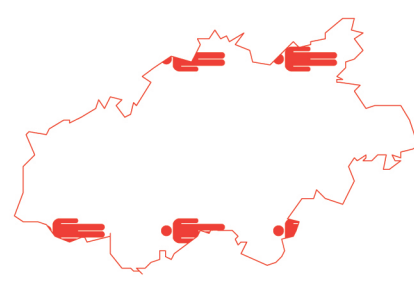






# ADES Stakeholder Airports



Regional level: NUTS 3  
 Source: <http://phicarto.free.fr/>  
 Origin of data: National Maps  
 © EuroGeographics Association for administrative boundaries

EUROPEAN UNION  
 Part-financed by the European Regional Development Fund  
 INVESTING IN YOUR FUTURE

# Comparison of surface, population and density of Stakeholder Regions

SURFACE km <sup>2</sup>	POPULATION inh.	DENSITY inh./km <sup>2</sup>
 <p><b>19950</b> km<sup>2</sup></p>	 <p><b>274 000</b> inh.</p>	 <p><b>13,65</b> inh./km<sup>2</sup></p>
 <p><b>11350</b> km<sup>2</sup></p>	 <p><b>741 282</b> inh.</p>	 <p><b>66,37</b> inh./km<sup>2</sup></p>
 <p><b>1545</b> km<sup>2</sup></p>	 <p><b>287 551</b> inh.</p>	 <p><b>186,12</b> inh./km<sup>2</sup></p>

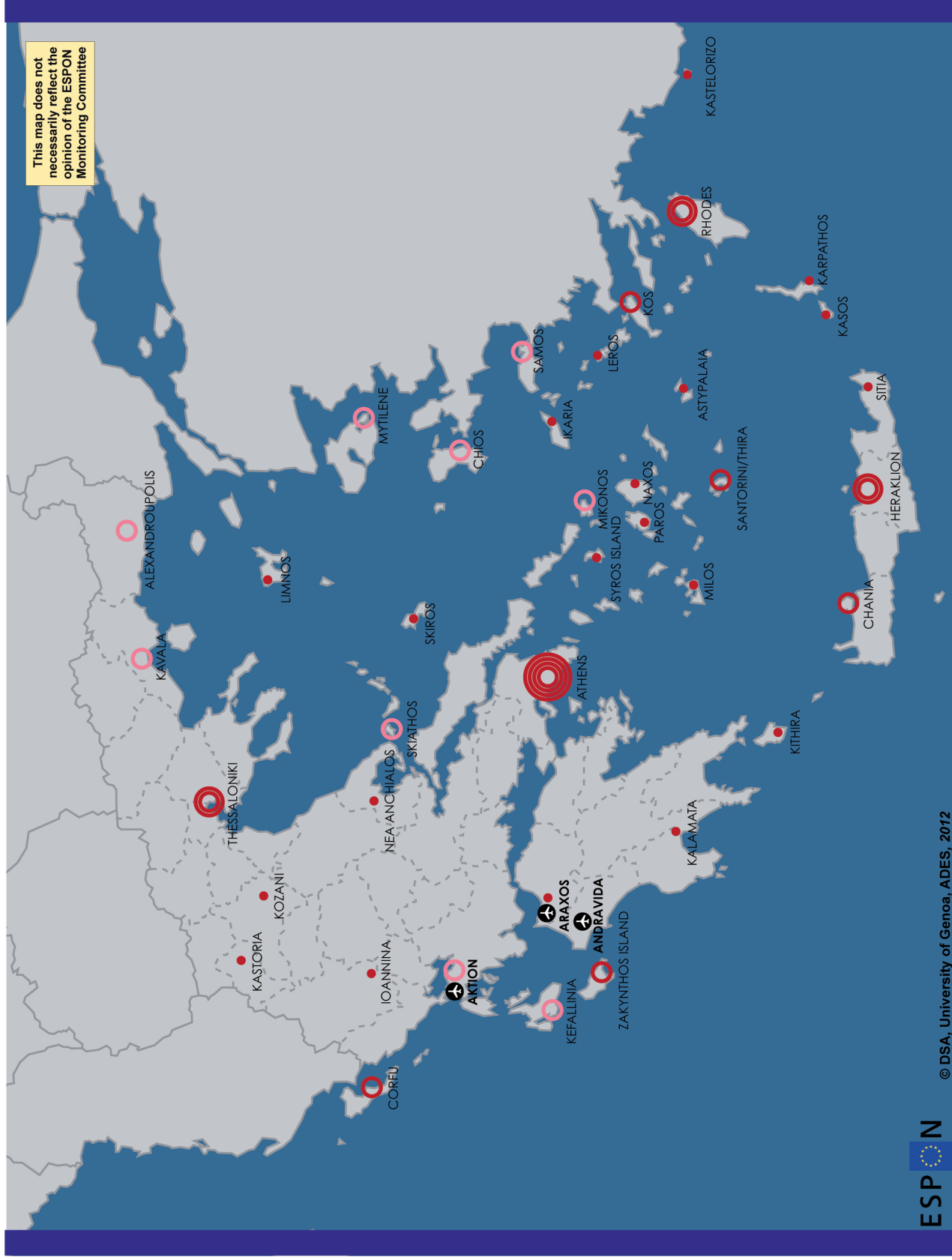
Legend

Central Finland

Western Greece

Provincia di Savona

# Airports in Greece



## MOTORWAY

Greece 553 km  
Finland 779 km

Italy 6.661 km

## RAILWAYS NETWORK

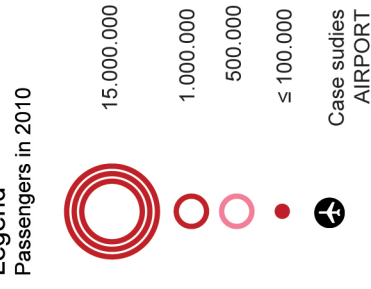
Greece 2.571 km  
Finland 8.816 km

Italy 24.179 km

## AIRPORTS

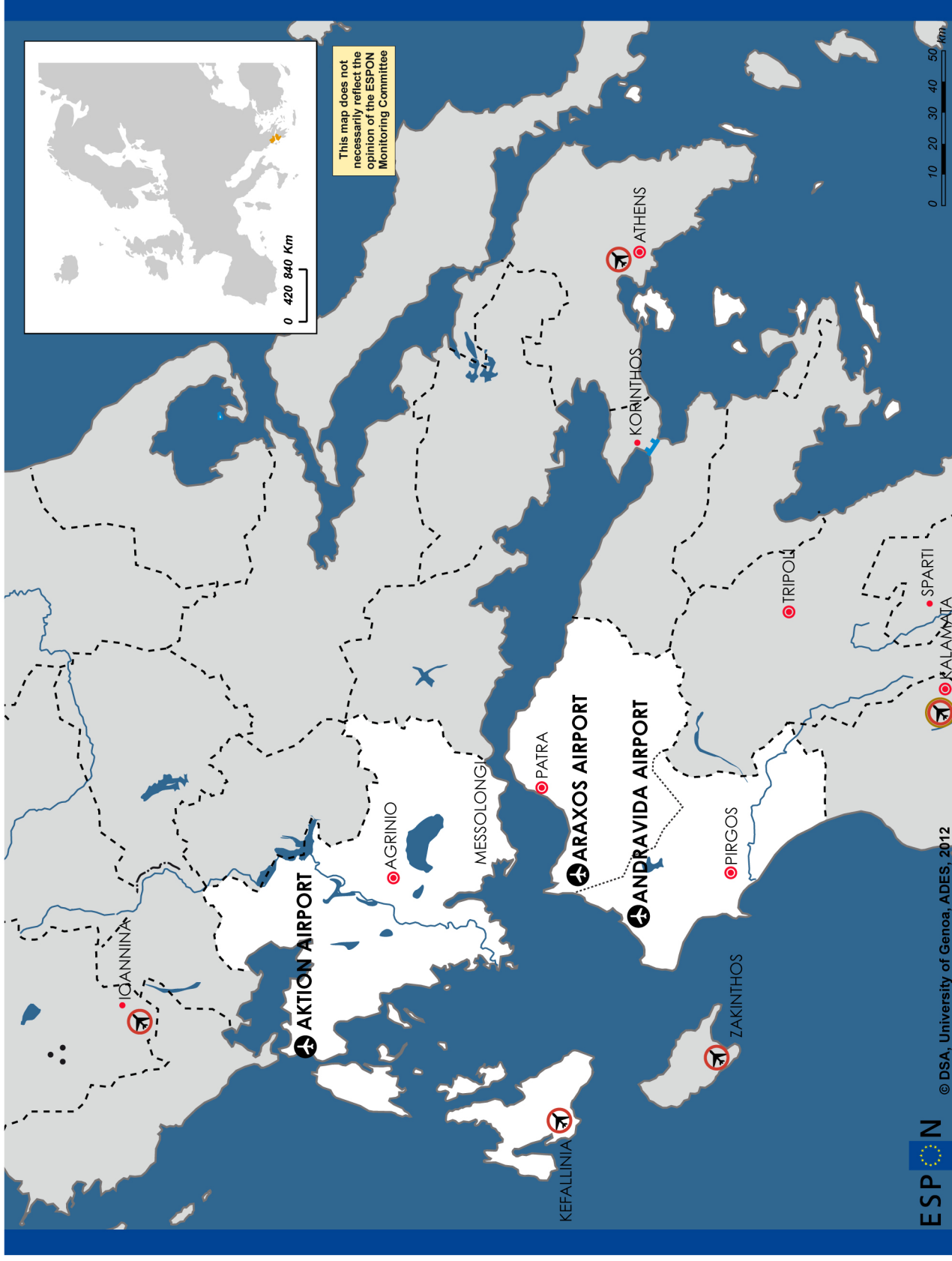
Greece 38  
Finland 22  
Italy 27

## Legend

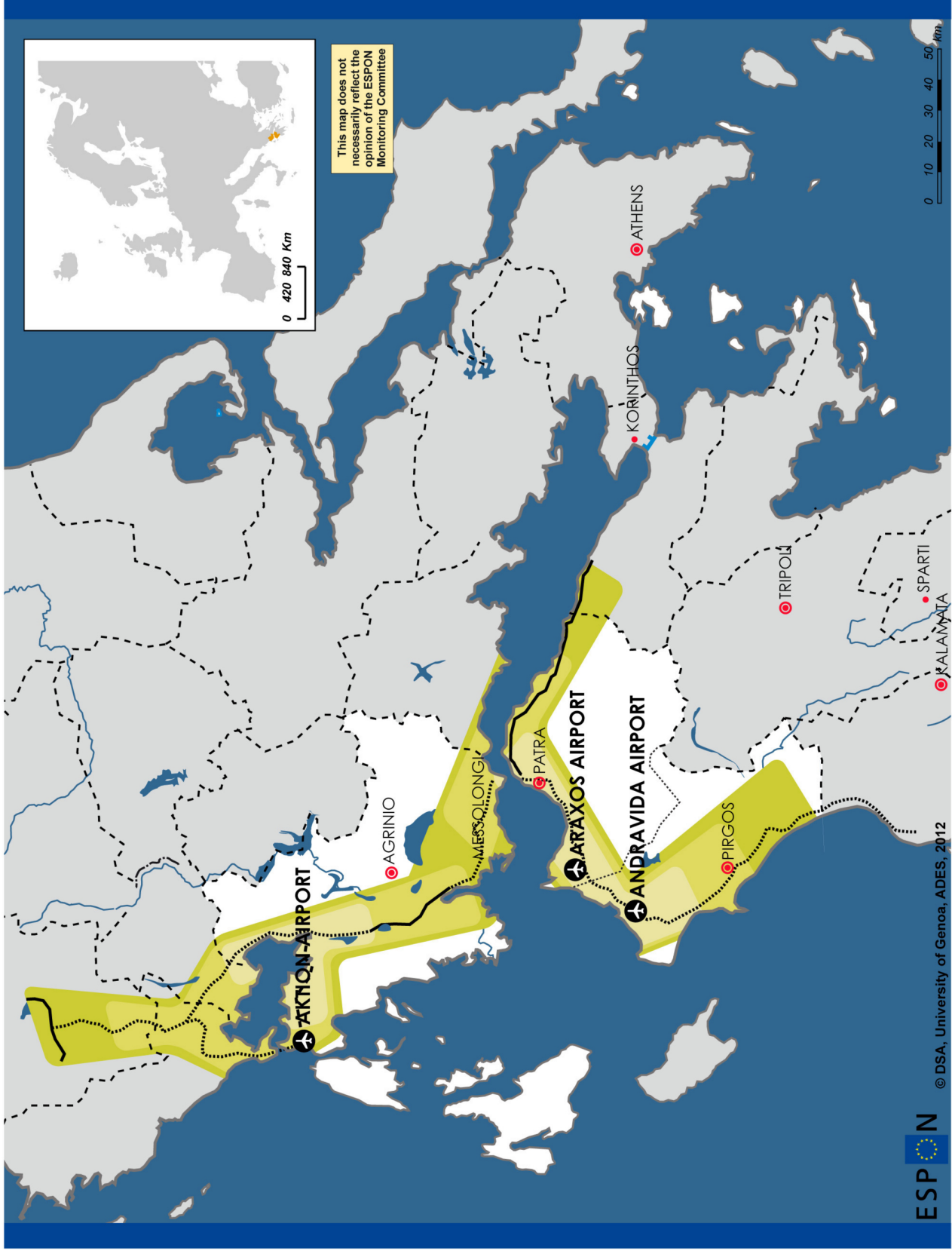




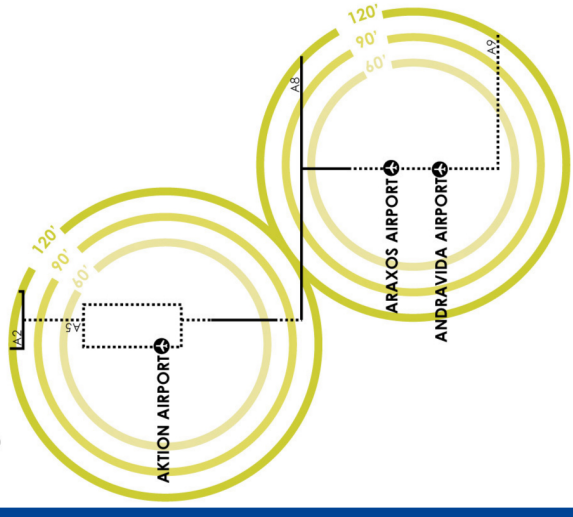
# Accessibility by Airports in Region of Western Greece



# Accessibility by highways to airports in Region of Western Greece



Diagram



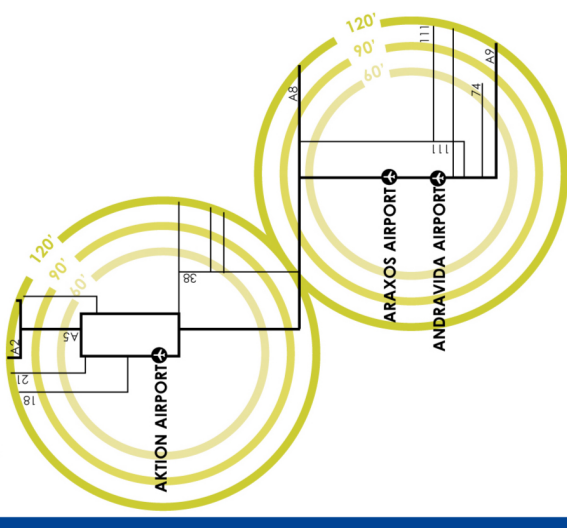
Legend

- Existing highways
- ..... Under construction
- 60-90-120 minutes

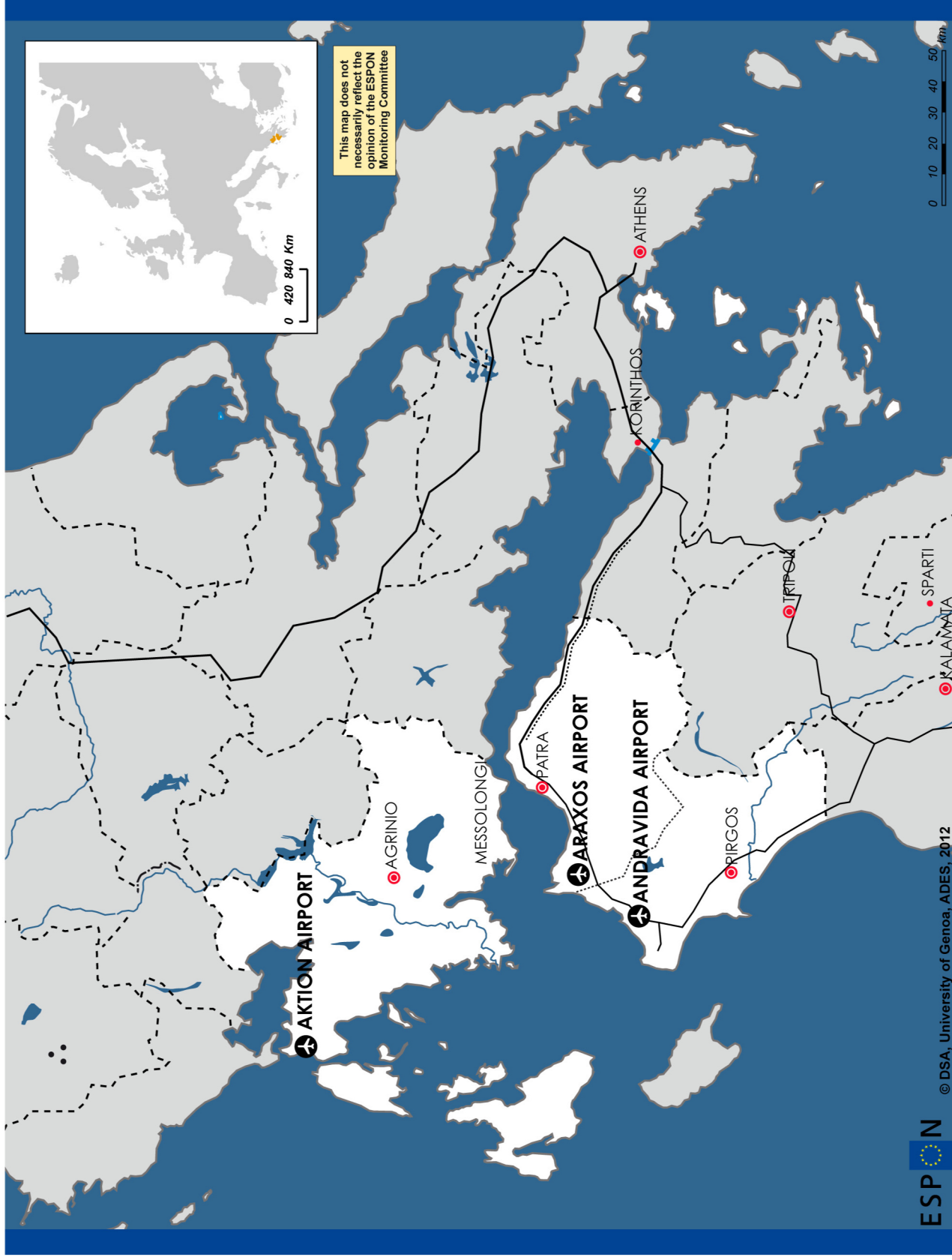
# Accessibility by secondary roads to airports in Region of Western Greece



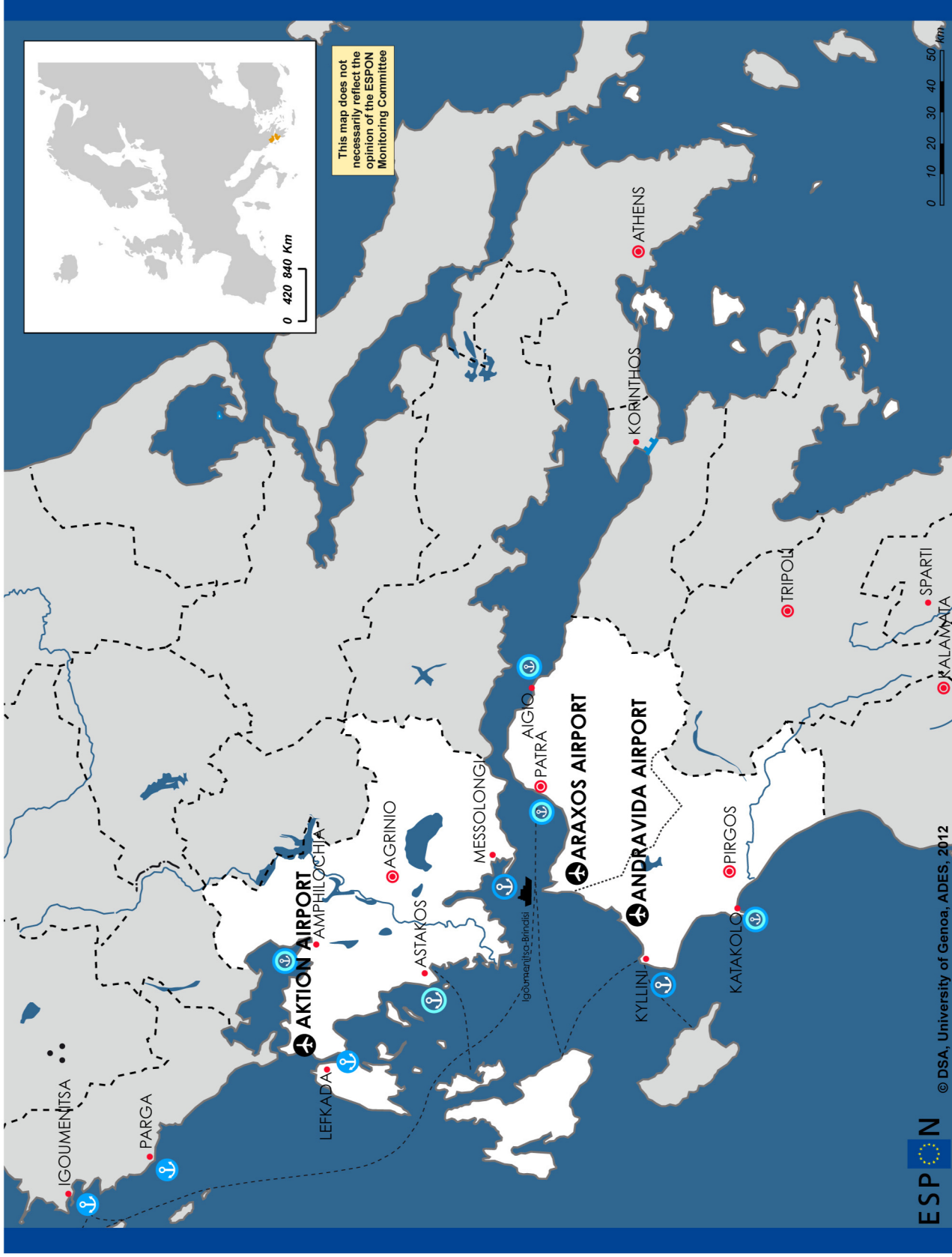
Diagram



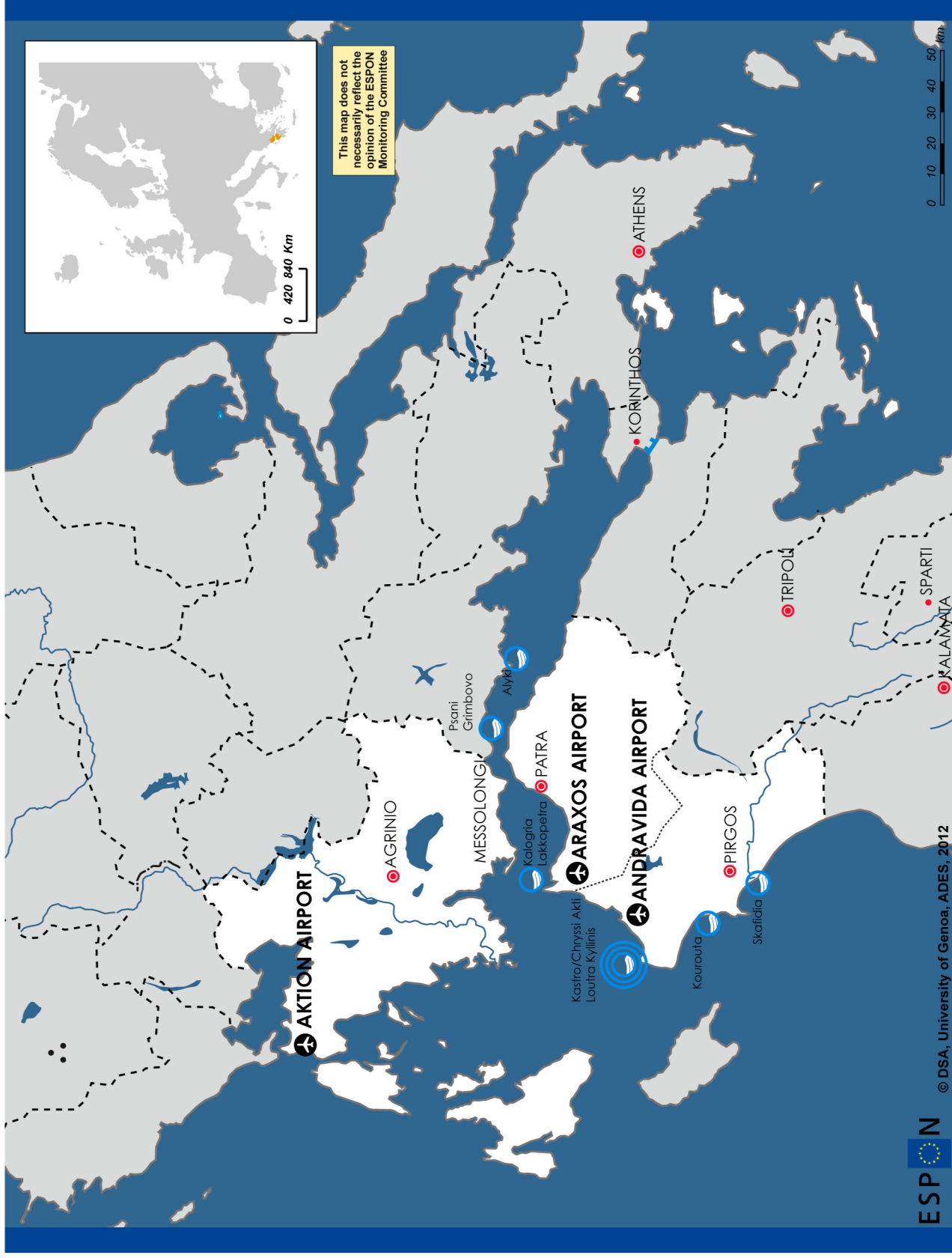
# Accessibility by trains to airports in Region of Western Greece



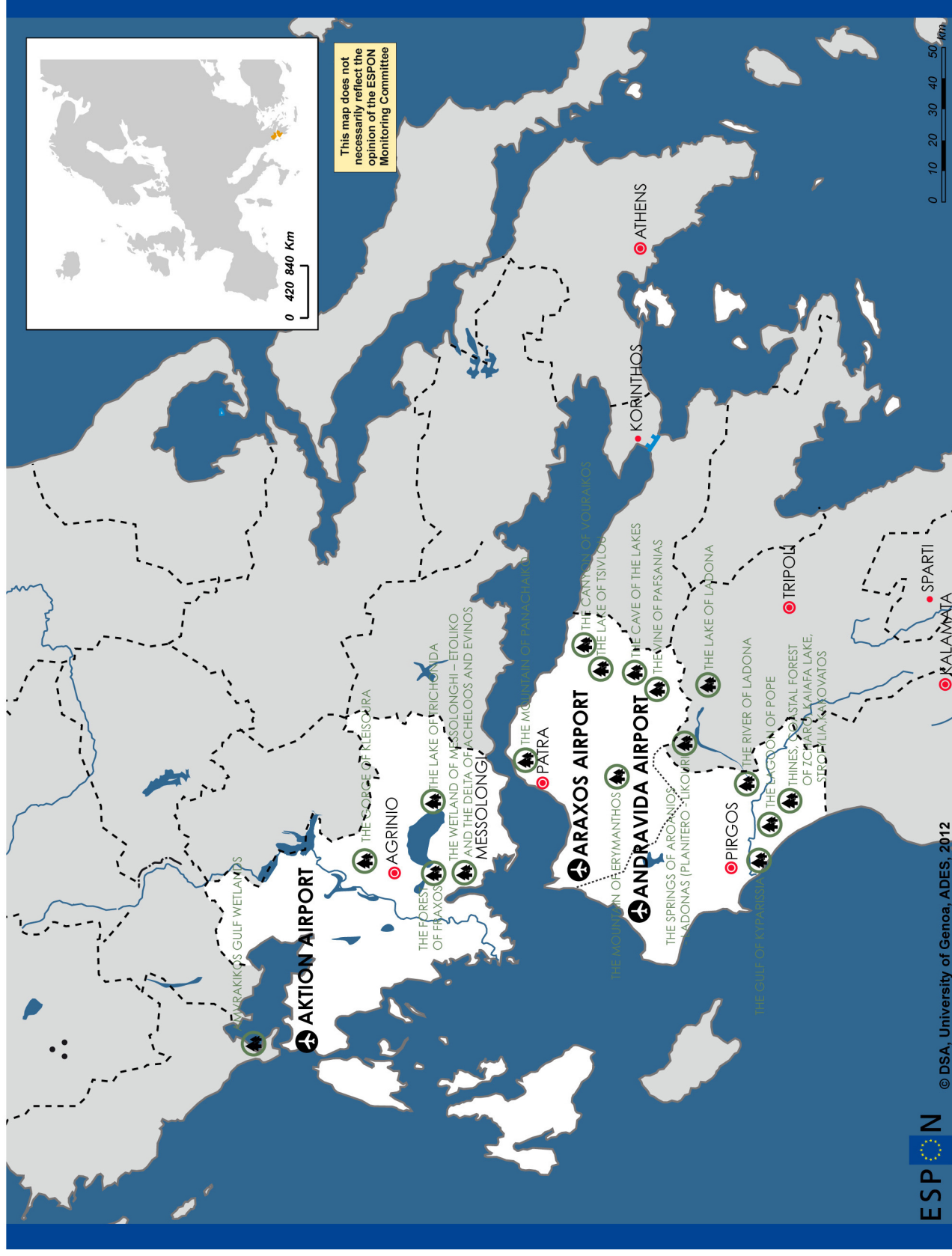
# Harbours in Region of Western Greece



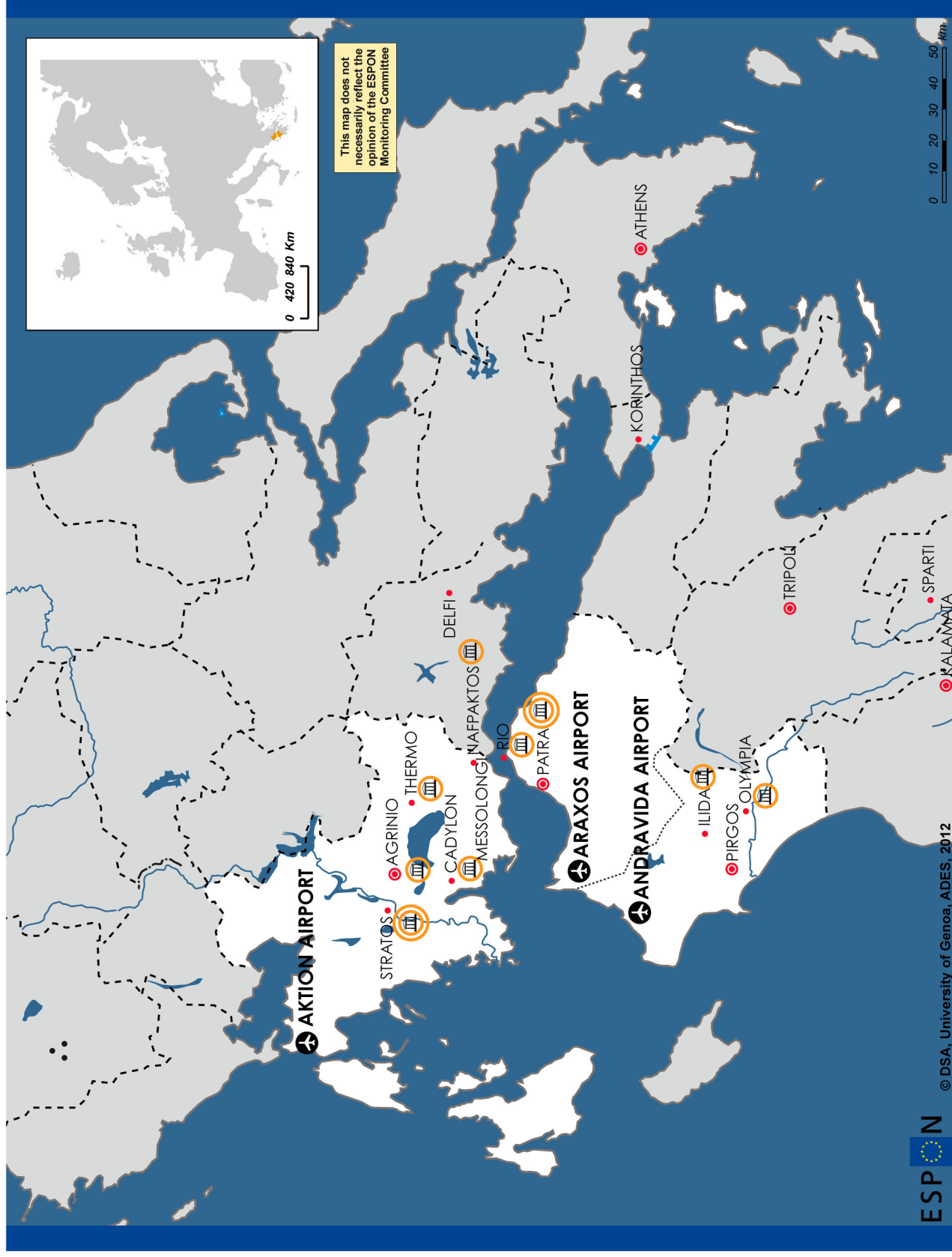
# Blue Flags in Region of Western Greece



# Natural park in Region of Western Greece

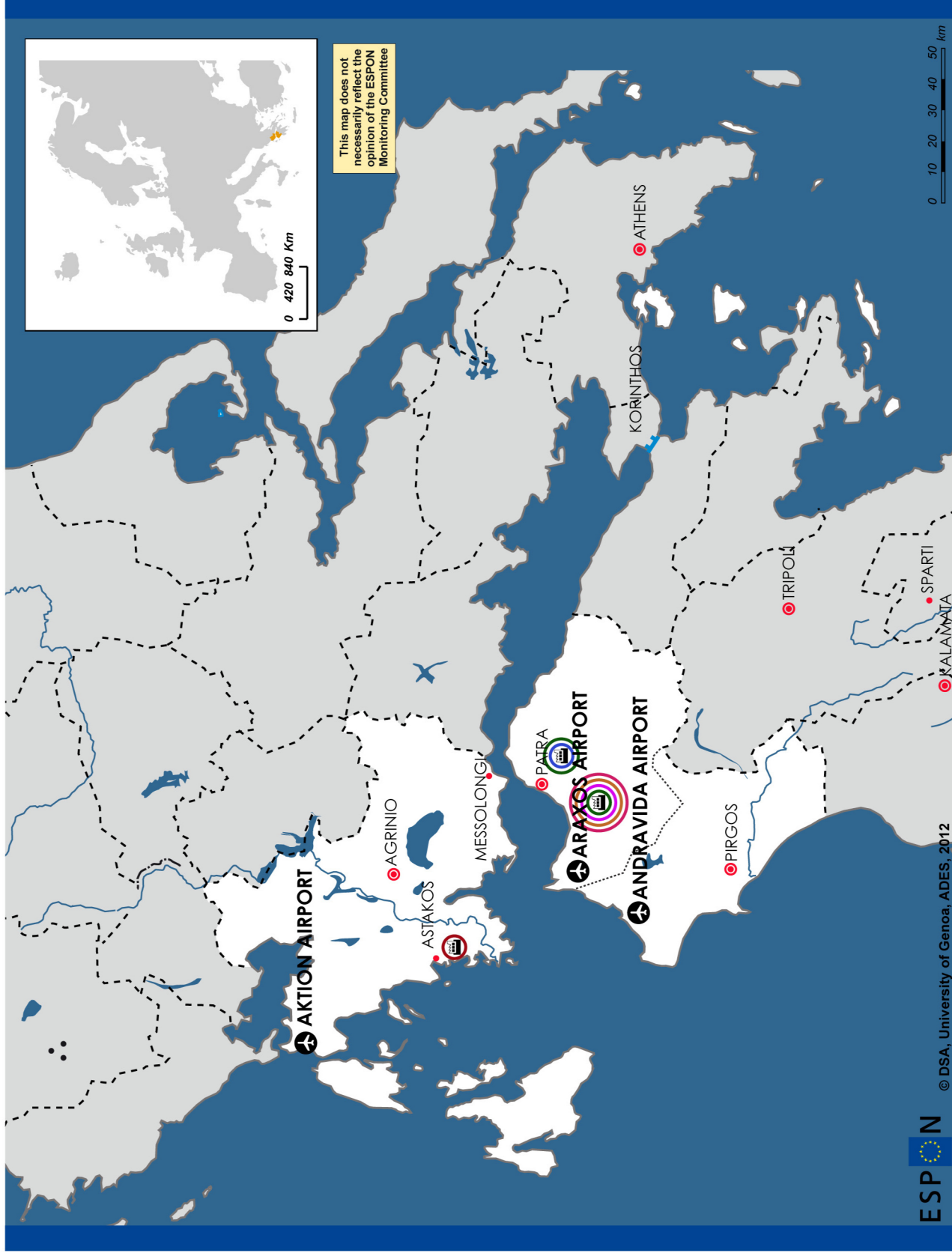


# Cultural heritage in Region of Western Greece

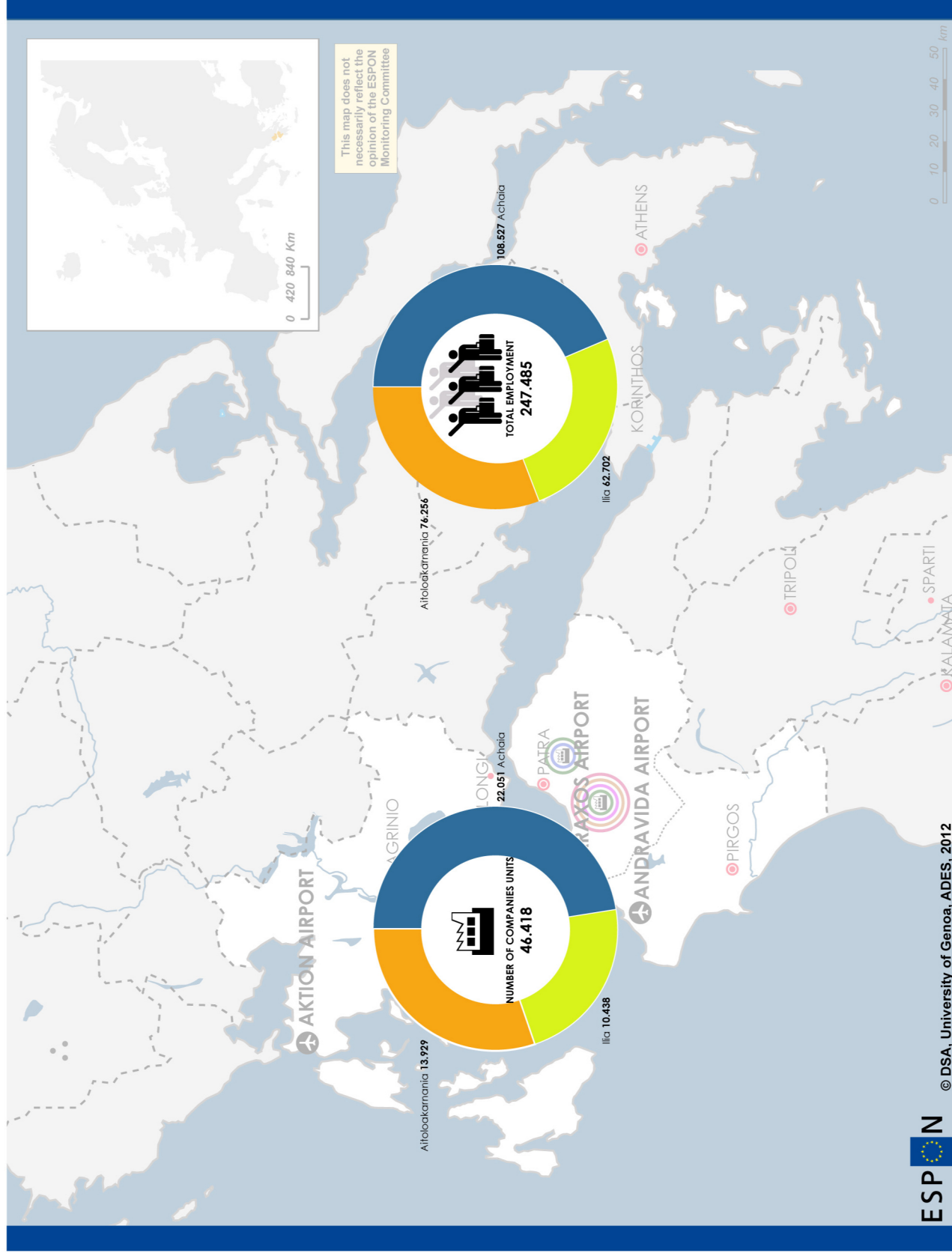




# Industrial district in Region of Western Greece



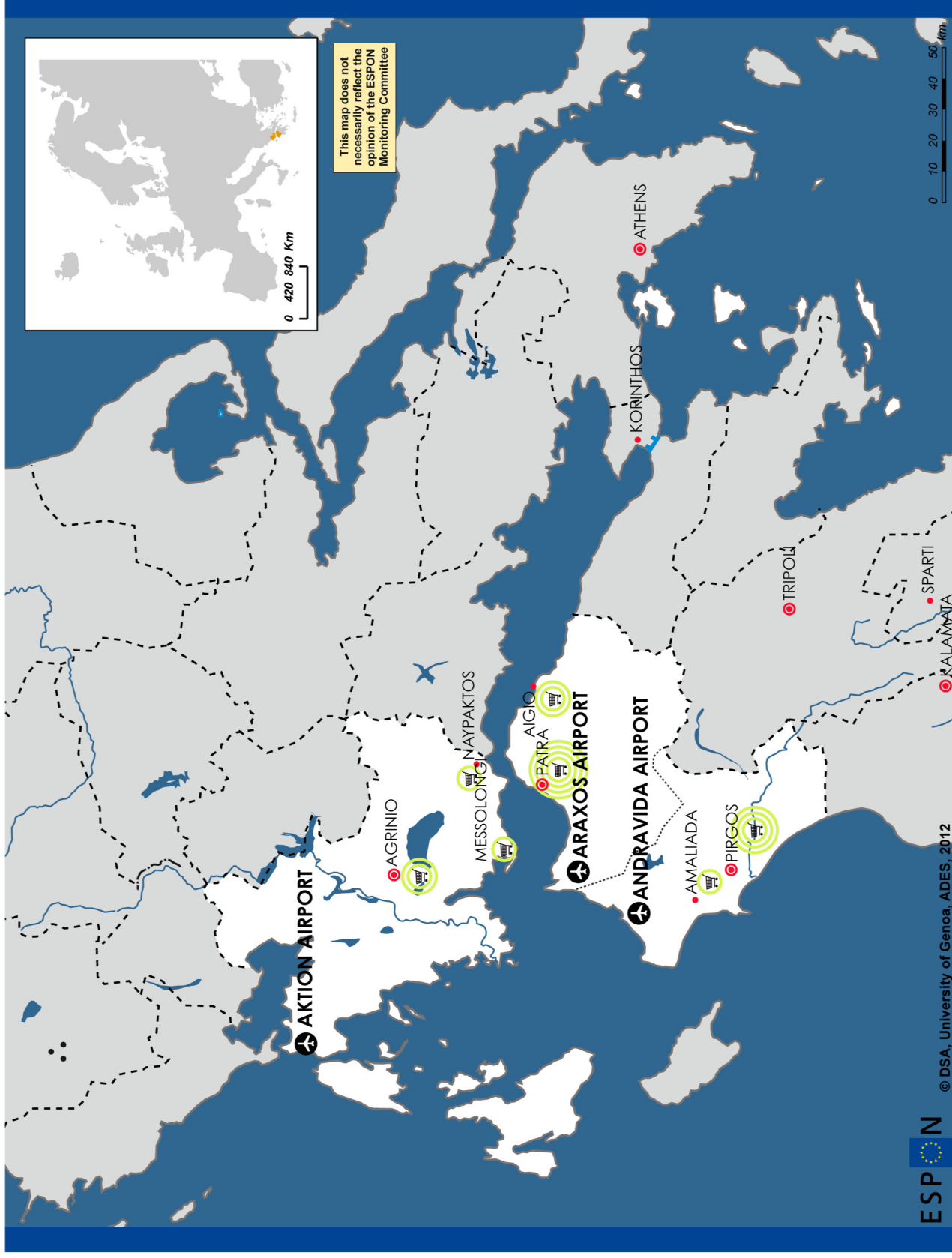
# Number of companies and employees in Region of Western Greece



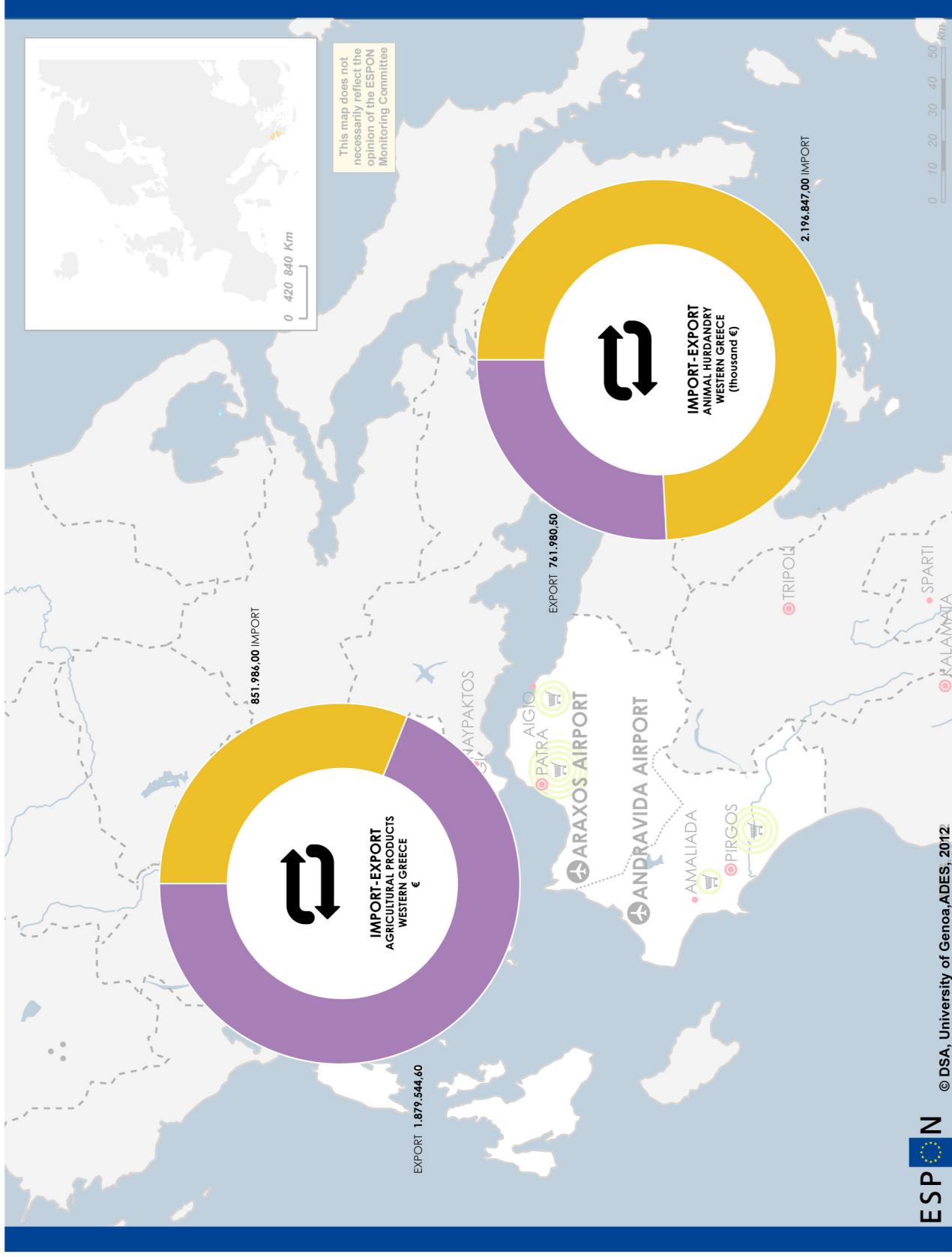
Regional level: NUTS 3  
 Source: Hellenic Statistical Service, Company Register  
 Origin of data: [www.statistics.gr](http://www.statistics.gr)  
 © EuroGeographics Association for administrative boundaries

EUROPEAN UNION  
 Part-financed by the European Regional Development Fund  
 INVESTING IN YOUR FUTURE

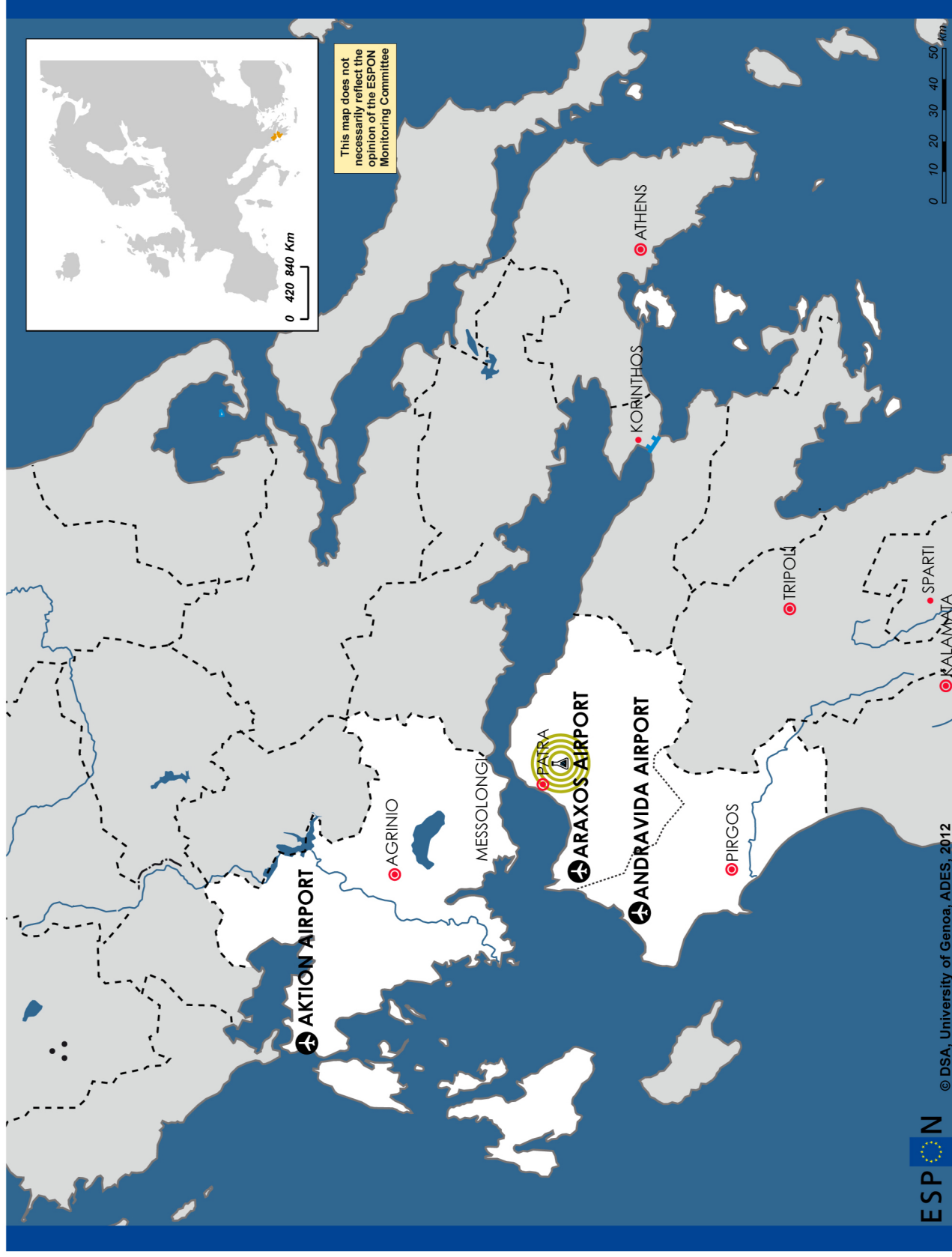
# Shopping malls in Region of Western Greece



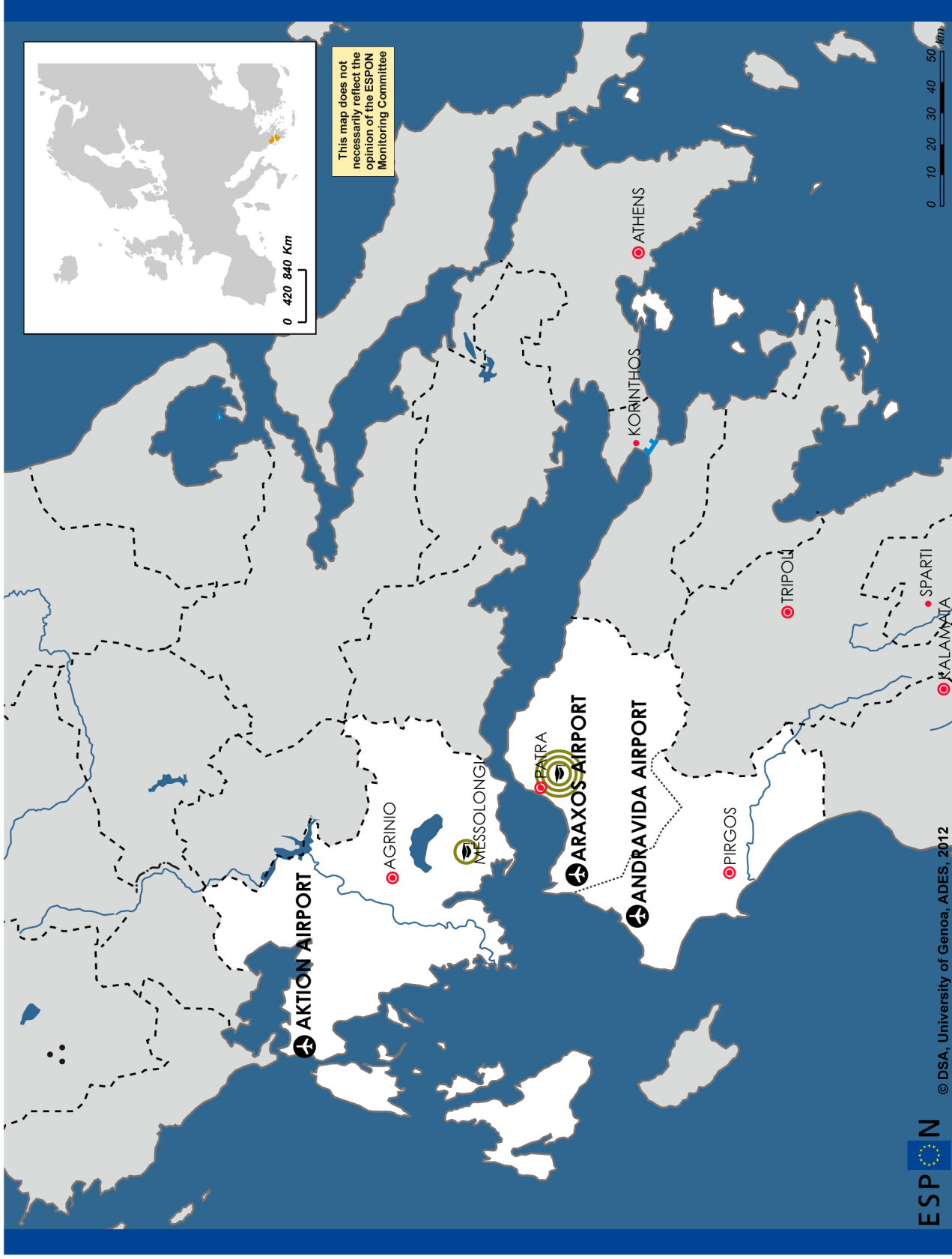
# Commercial Import-Export in Region of Western Greece



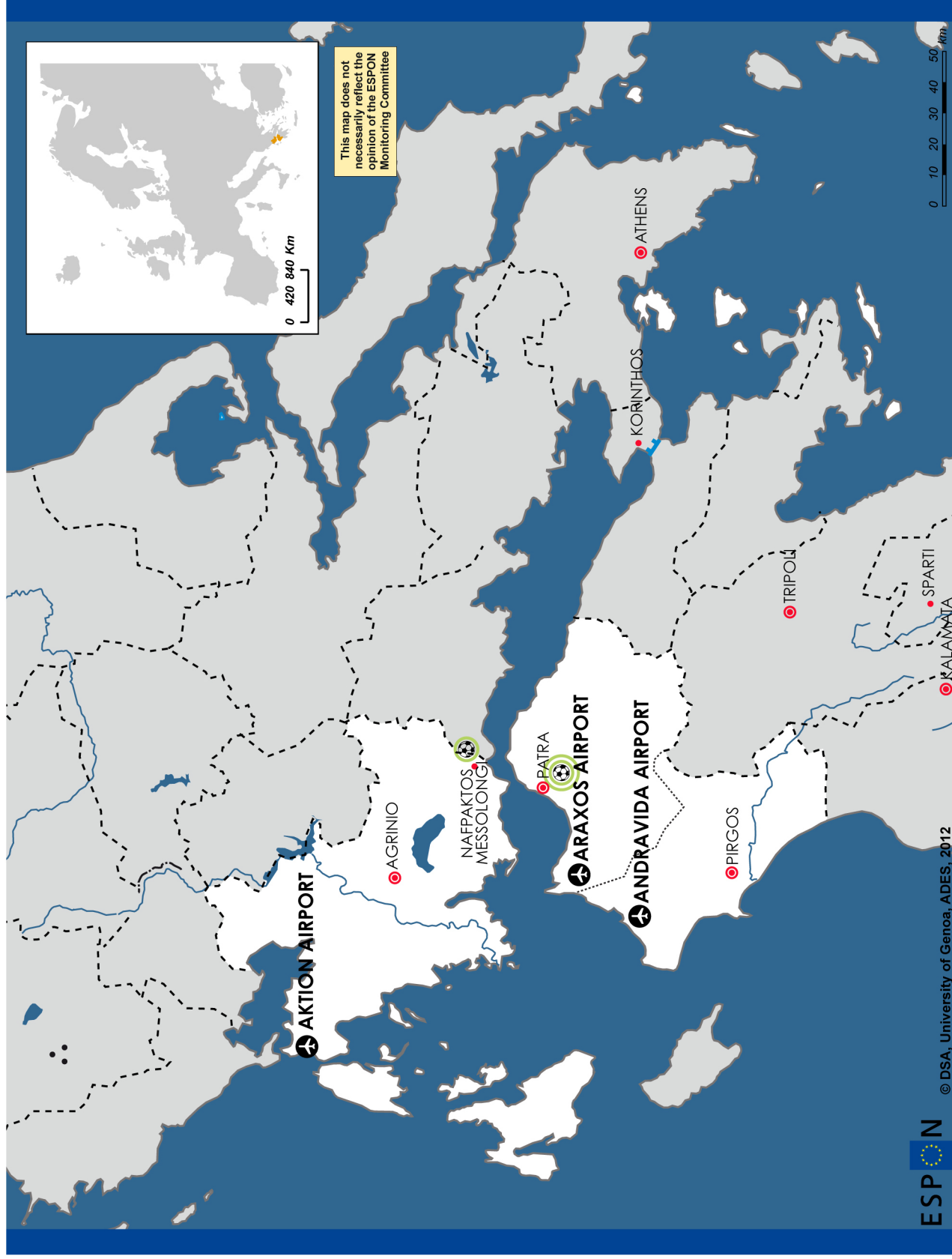
# Research institutions in Region of Western Greece



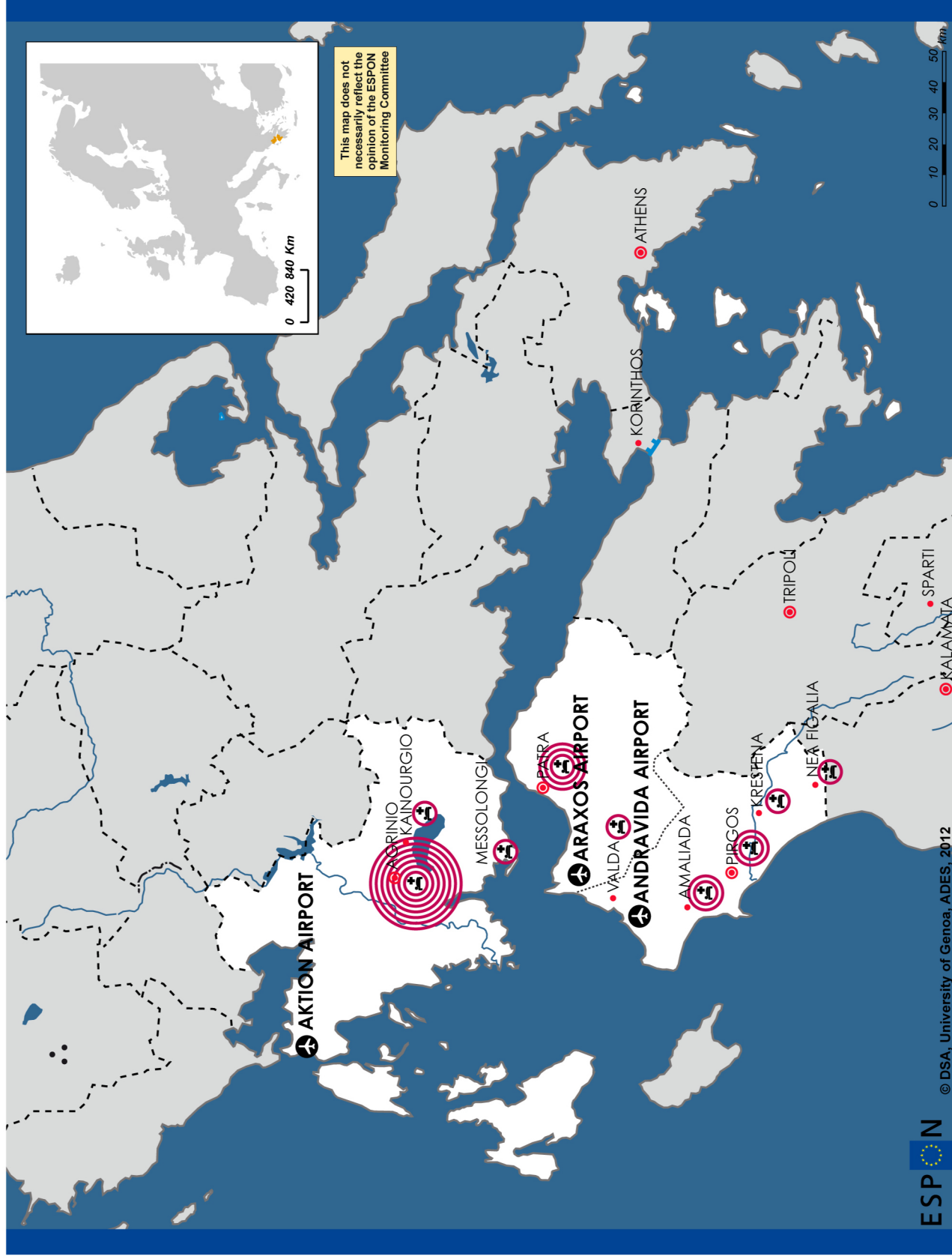
# Universities in Region of Western Greece



# Sport complex in Region of Western Greece

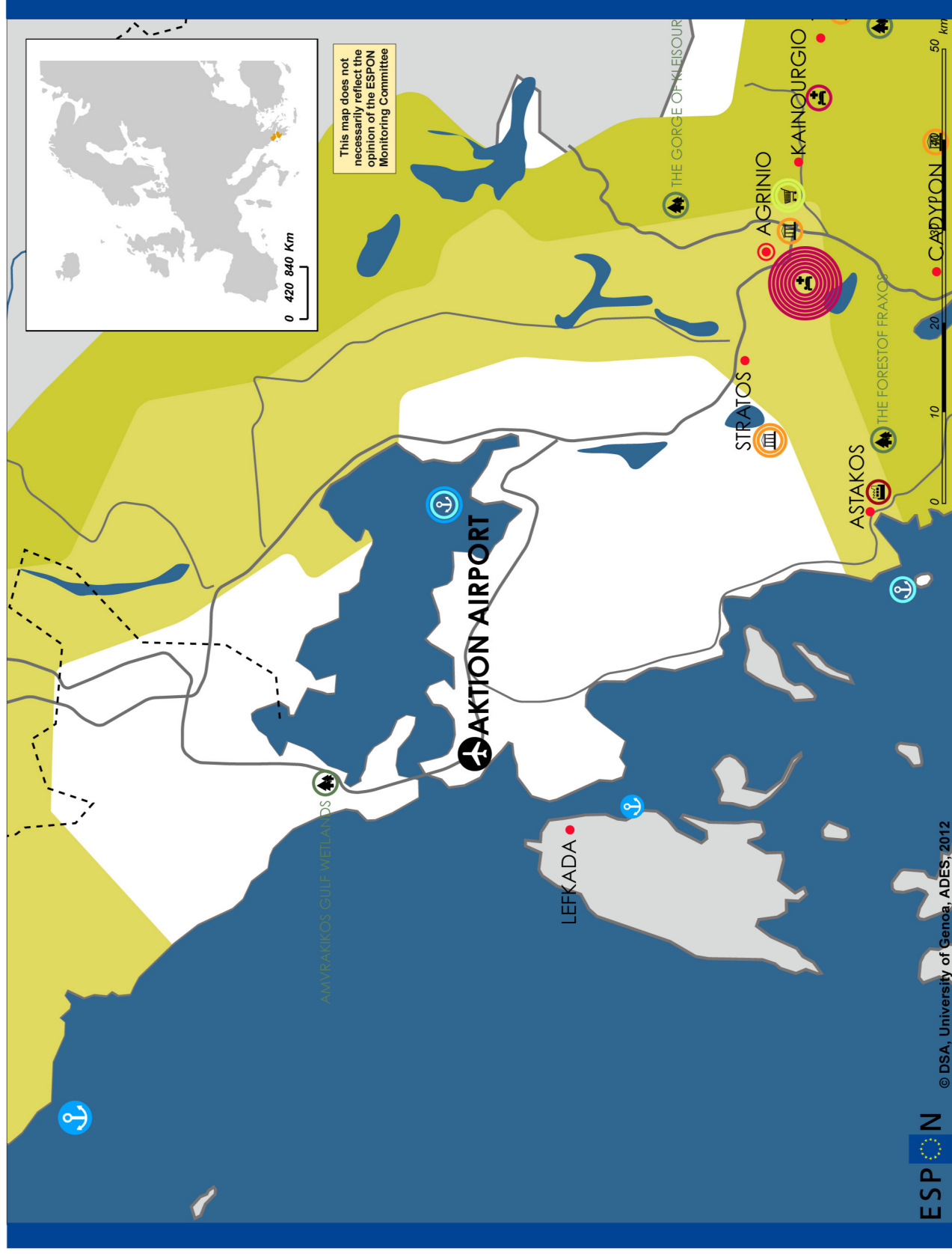


# Hospitals in Region of Western Greece





# Comprehensive Map for Region of Western Greece (1)



## Infrastructures

- Inland ports
- Commercial-Touristic
- Ades airport
- Military/civil airport
- existing highways
- roads under construction
- secondary roads
- main line train
- minor line train
- railways under construction

## Industry&Commerce

- Shopping malls
- Products of processing materials
- Transport
- Machine and mechanical equipments
- Cosmetic industry
- Metals and metallic products
- Naval industry
- Agriculture and industrial products

## Public Services

- Hospitals
- Stadium

## Education&Research

- Universities
- Research institutions academic

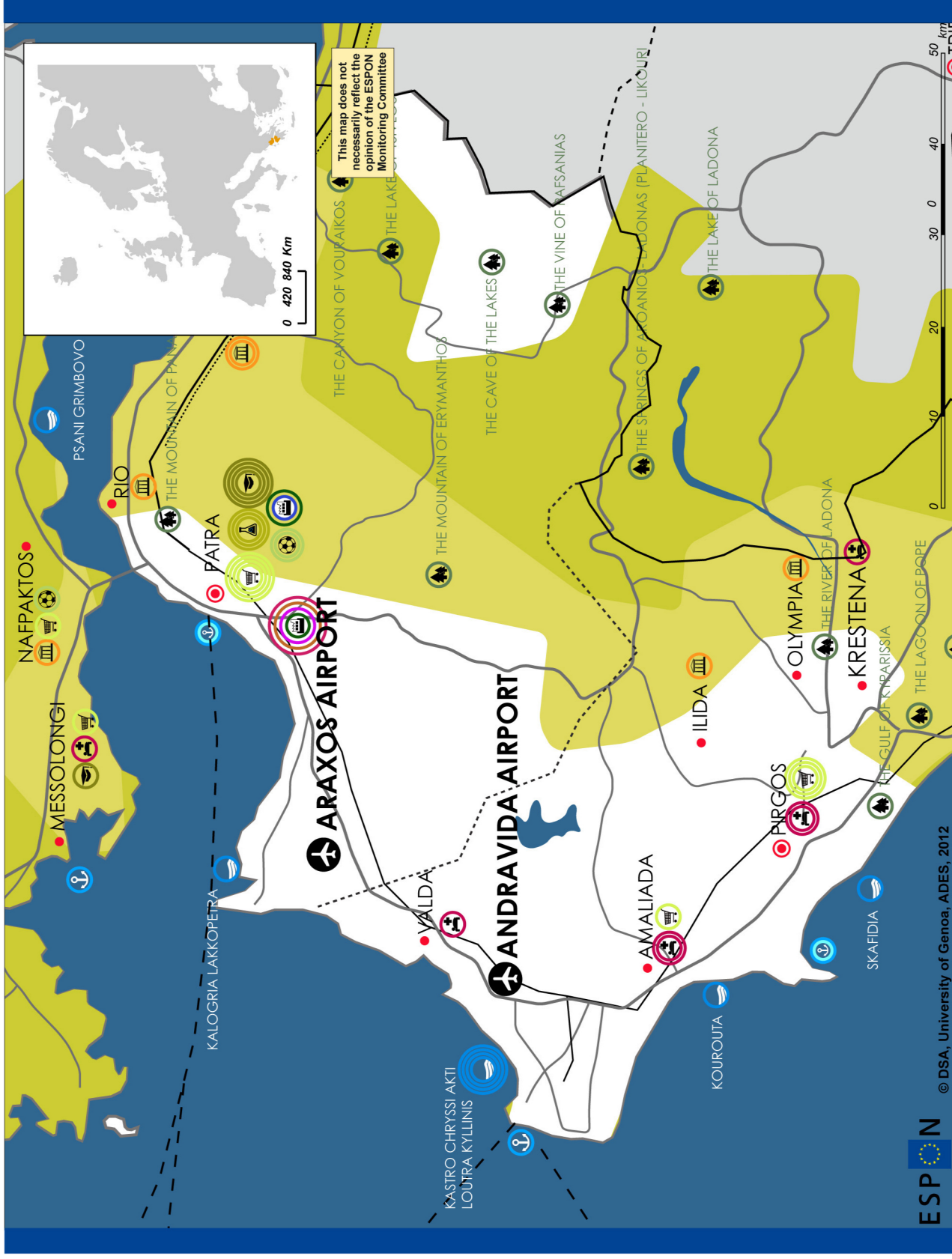
## Tourism

- Natural park
- Blue flags
- 60-90-120 minutes
- Number of

This map does not necessarily reflect the opinion of the ESPON Monitoring Committee

Regional level: NUTS 2  
 Source: University of Genoa (DSA), 2012  
 Origin of data: Descriptive maps ADES, 2012  
 © EuroGeographics Association for administrative boundaries

# Comprehensive Map for Region of Western Greece (2)



## Infrastructures

- Inland ports
- Commercial-Touristic
- Ades airport
- Civil airport
- Military/civil airport
- existing highways
- roads under construction
- secondary roads
- main line train
- minor line train
- railways under construction

## Industry&Commerce

- Shopping malls
- Products of processing materials
- Transport
- Machine and mechanical equipments
- Cosmetic industry
- Metals and metallic products
- Naval industry
- Agriculture and industrial products

## Public Services

- Hospitals
- Stadium
- Universities
- Research institutions academic

## Tourism

- Natural park
- Cultural heritage
- Blue flags
- 60-90-120 minutes
- Number of

# ID\_Aktion Airport



**AKTION AIRPORT PVK**  
**38° 55' 32" N 20° 45' 55" E**

**ELEVATION (SLM) 3M**  
**RUNWAY LENGTH 2871M**  
**SURFACE ASPHALT**  
**TPOLOGY CIVIL AND MILITARY:**

**LANDINGS**  
**PASSENGERS 292394 (in 2010)**

**FACILITIES RESTAURANTS, BARS, SHOPS, BANKS, POST OFFICE, TELECOMMUNICATION SERVICES, FIRST AID, FIRE SERVICES, PHARMACY, LEFT-LUGGAGE, CHILD FACILITIES, VIP LOUNGE, DISABLE FACILITIES, PARKING, METEOROLOGICAL CENTER, TRAVEL AGENCY, CAR RENTAL, POLICE STATION, INFORMATION SERVICES, AIRLINE OFFICES, MANAGEMENT SERVICES**  
**CONNECTIONS PREVEZA**

- Legend**
- Airport terminal
  - Runway
  - Buffer zone

# ID\_Andravida Airport

ANDRAVIDA AIRPORT PYR  
37° 41' 0" N 21° 28' 0" E



ELEVATION (SLM) 17M  
RUNWAY LENGTH 3139M  
SURFACE ASPHALT  
TYPOLOGY MILITARY

LANDINGS -  
PASSENGERS -

FACILITIES MILITAR FACILITIES,  
PRIVATE JET SERVICES, PARKING  
CONNECTIONS IONION SEA  
PATRAS

### Legend

- Airport terminal
- Runway
- Buffer zone



© DSA, University of Genoa, ADES, 2012



EUROPEAN UNION  
Part-financed by the European Regional Development Fund  
INVESTING IN YOUR FUTURE

Source: DSA, University of Genoa, 2012  
Origin of data: www.andravida.gr, 2012  
© EuroGeographics Association for administrative boundaries

# ID\_Araxos Airport

ARAXOS AIRPORT **GPA**  
 38° 9' 4" N 21° 25' 32" E



**ELEVATION (SLM) 14M**  
**RUNWAY LENGTH 3352M**  
**SURFACE MACADAM**  
**TPOLOGY CIVIL AND MILITARY**

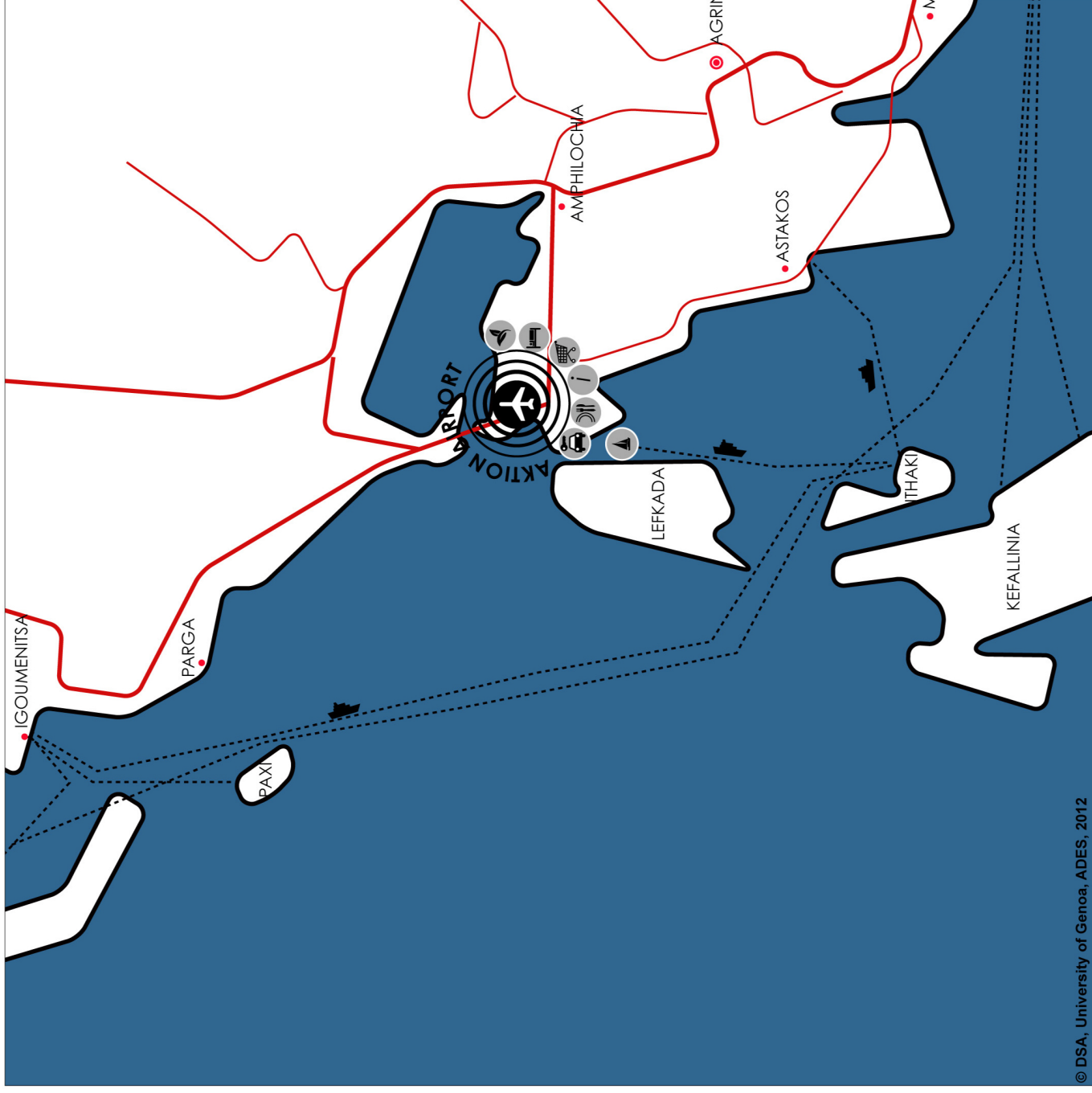
**LANDINGS**  
**PASSENGERS 292394 (in 2010)**

**FACILITIES RESTAURANTS, BARS, SHOPS, LEFT-LUGGAGE, PARKING, TRAVEL AGENCY, CAR RENTAL, POLICE STATION, INFORMATION SERVICES, AIRLINE OFFICES, MANAGEMENT SERVICES**  
**CONNECTIONS PATRAS**









## Legend

- Airport terminal
- Runway
- Buffer zone

# REload strategy in Aktion Airport: Touristic Airport





-  ENVIRONMENTAL SENSOR
-  CENTRE FOR LOCAL ACTIVITIES
-  HUB FOR LOCAL TRANSPORTATION
-  AIRPORT IN NETWORK






- Legend**
-  Airport
  -  Harbour
  -  Car rental
  -  Restaurants-Bars
  -  Information
  -  Shops
  -  Accommodation
  -  Renewable energy

# REuse strategy in Araxos Airport: Platform Airport

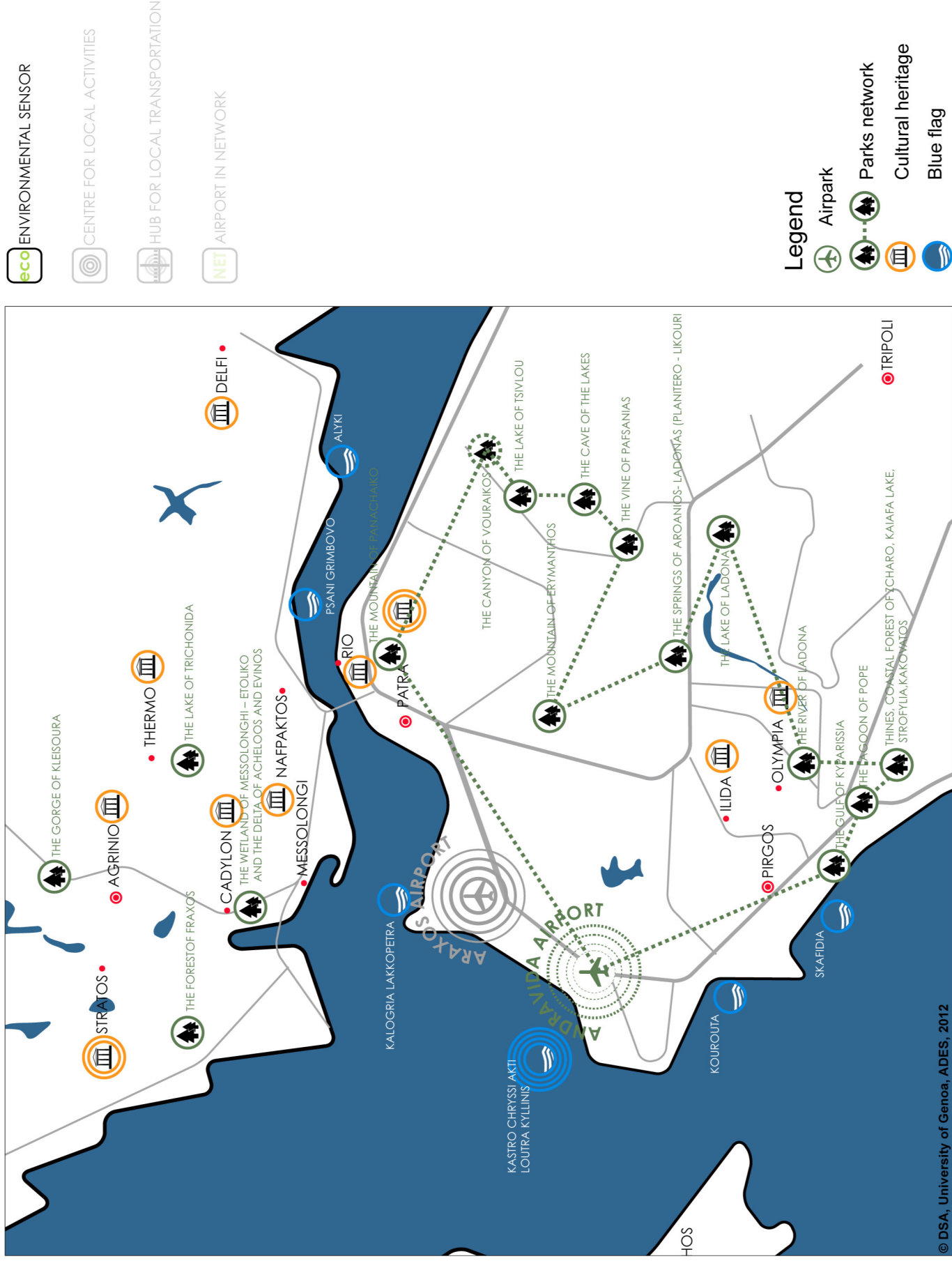


-  ENVIRONMENTAL SENSOR
-  CENTRE FOR LOCAL ACTIVITIES
-  HUB FOR LOCAL TRANSPORTATION
-  AIRPORT IN NETWORK

## Legend

-  Airport
-  Industries
-  Research Institutions
-  Universities
-  Industrial Platform

# REcycle strategy in Andravida Airport: ECO-Airpark





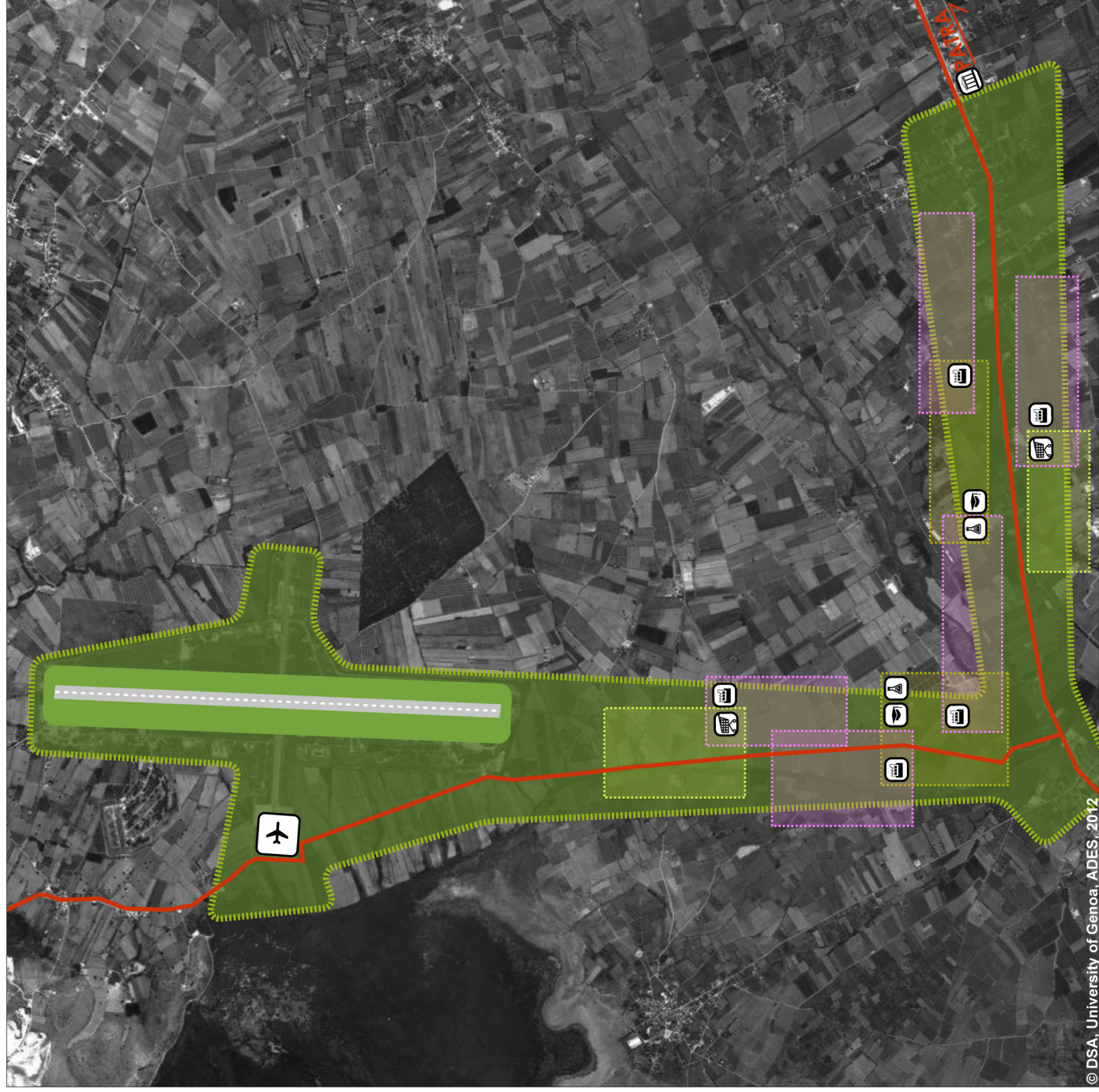
# Aktion Airport Masterplan: Touristic Airport



## Legend

- Touristic Airport
- Renewable energy
- Information
- Shops
- Accommodation
- Car rental
- Restaurants-Bars
- Harbour
- Commercial axis
- Maritime routes
- Buffer zone-Green corridors

# Araxos Airport Masterplan: Platform Airport



# Andravida Airport Masterplan: EcoAirpark





[www.espon.eu](http://www.espon.eu)

The ESPON 2013 Programme is part-financed by the European Regional Development Fund, the EU Member States and the Partner States Iceland, Liechtenstein, Norway and Switzerland. It shall support policy development in relation to the aim of territorial cohesion and a harmonious development of the European territory.