



egnatia odos observatory

monitoring of egnatia motorway's spatial impacts



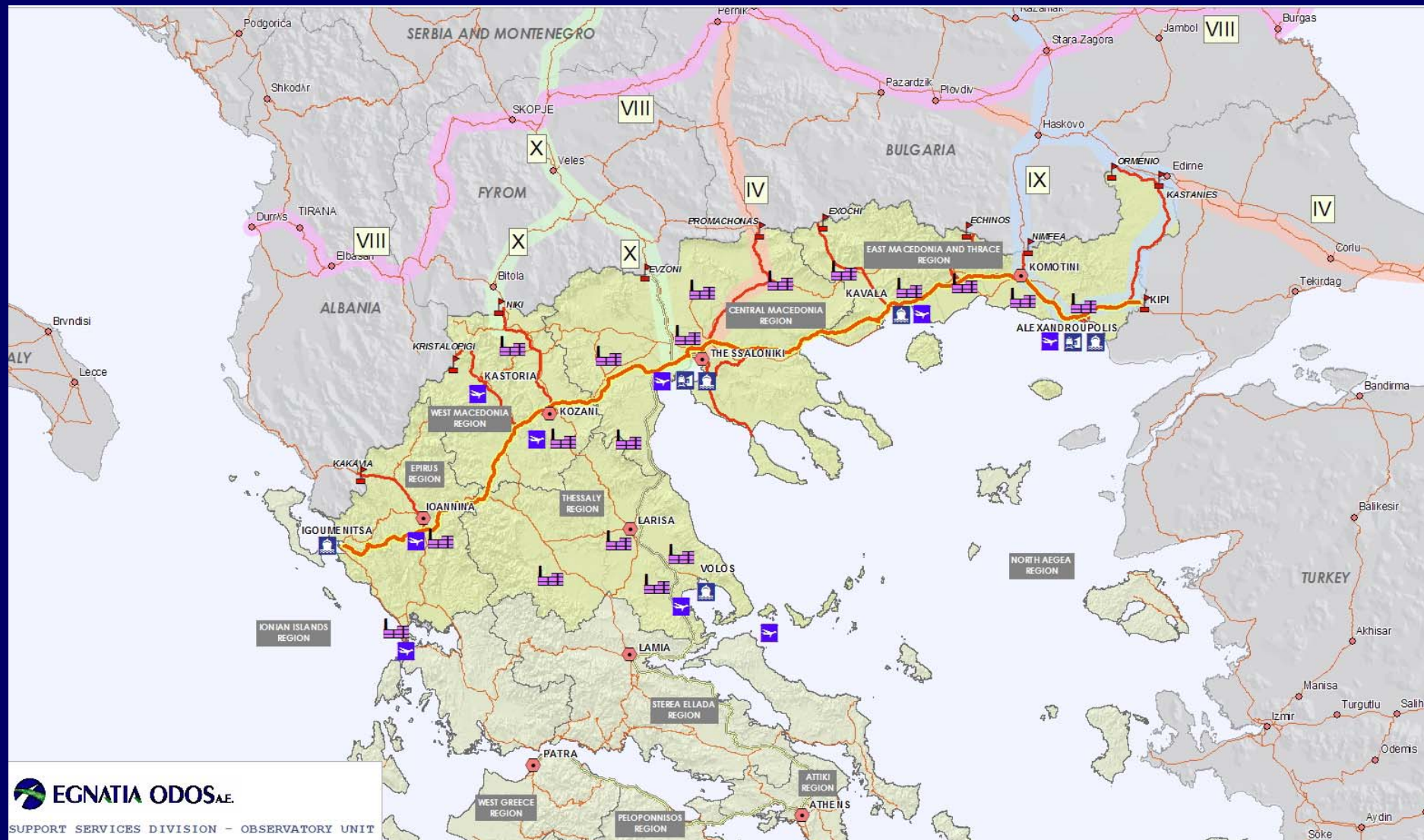
- Dr Vassilys Fourkas
- Ms Zoe Papasiopi
- Dr Athena Giannakou

The integrative role of the Egnatia Motorway

Greece



EGNATIA MOTORWAY



EGNATIA ODOS A.E.

SUPPORT SERVICES DIVISION - OBSERVATORY UNIT

2

EGNATIA MOTORWAY & VERTICAL AXES

Project status, March 2007



Motorways and spatial integration: the main aspects

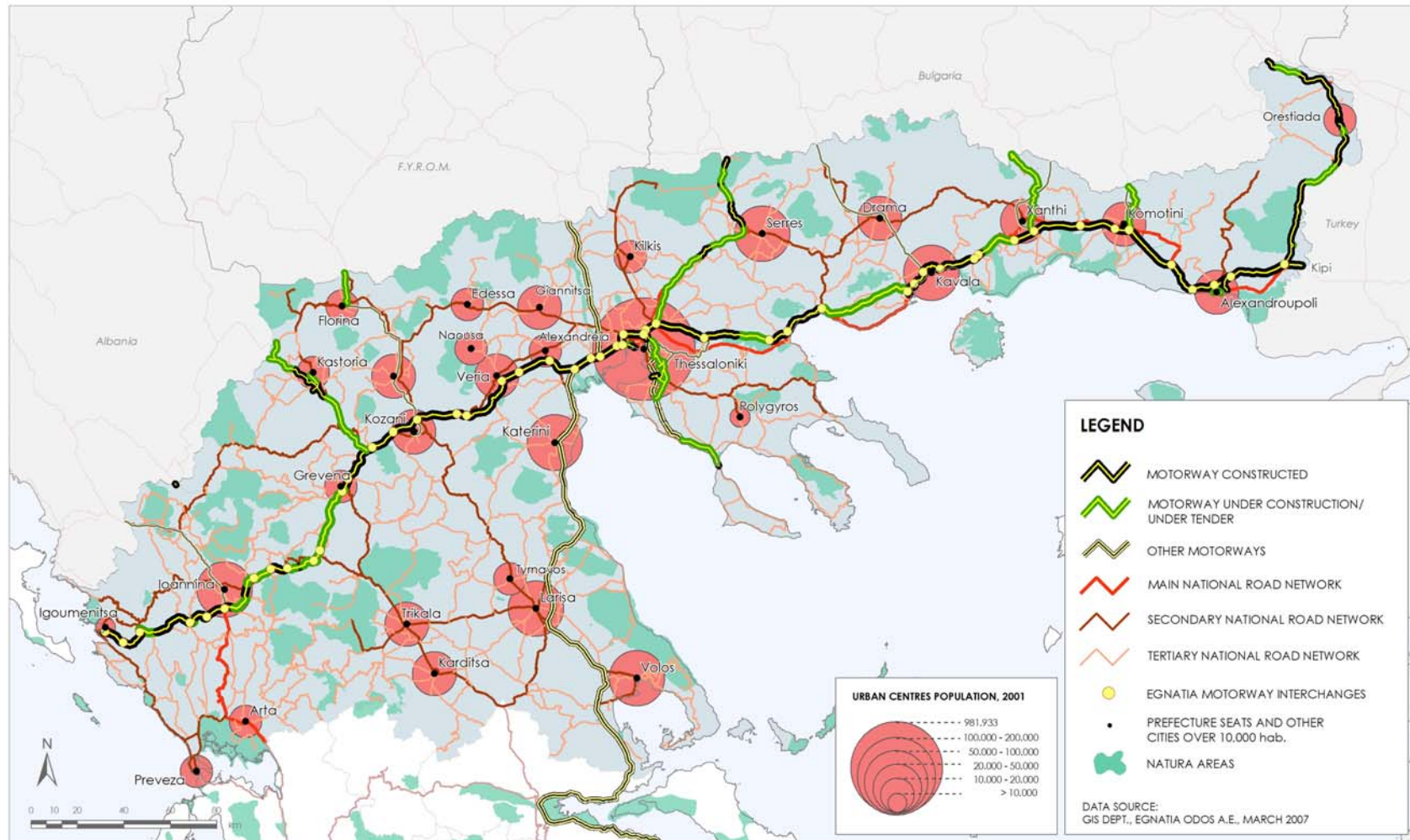
- **Interactive spatial connections**
 - similarities
 - complementarities
 - homogeneity
 - discontinuities
- ***Three-dimensional approach***
 - **flows**
 - **proximity**
 - ***new spatial development patterns***

References:

- SPESP (1999): *Spatial Integration*, strand 1.4; available at <http://www.mcrit.com/SPESP/>, accessed 12/02/2007
- EC (2004): *Interim Territorial Cohesion Report (Preliminary results of ESPON and EU Commission studies)*, DG Regional Policy, Luxembourg: Office for Official Publications of the European Communities; available at http://ec.europa.eu/regional_policy/sources/docoffic/official/reports/coheter/coheter1_en.pdf, accessed 13/02/2007.
- ESPON (2005): *Integrated Tools for European Spatial Development*, 2nd edition (revised version), ESPON 3.1; http://www.espon.eu/mmp/online/website/content/projects/260/714/index_EN.html, accessed 12/02/2007.

The integrative role of Egnatia: FLOWS

EGNATIA ODOS - PROJECT STATUS AND ROAD NETWORK IN IMPACT ZONE IV, MARCH 2007

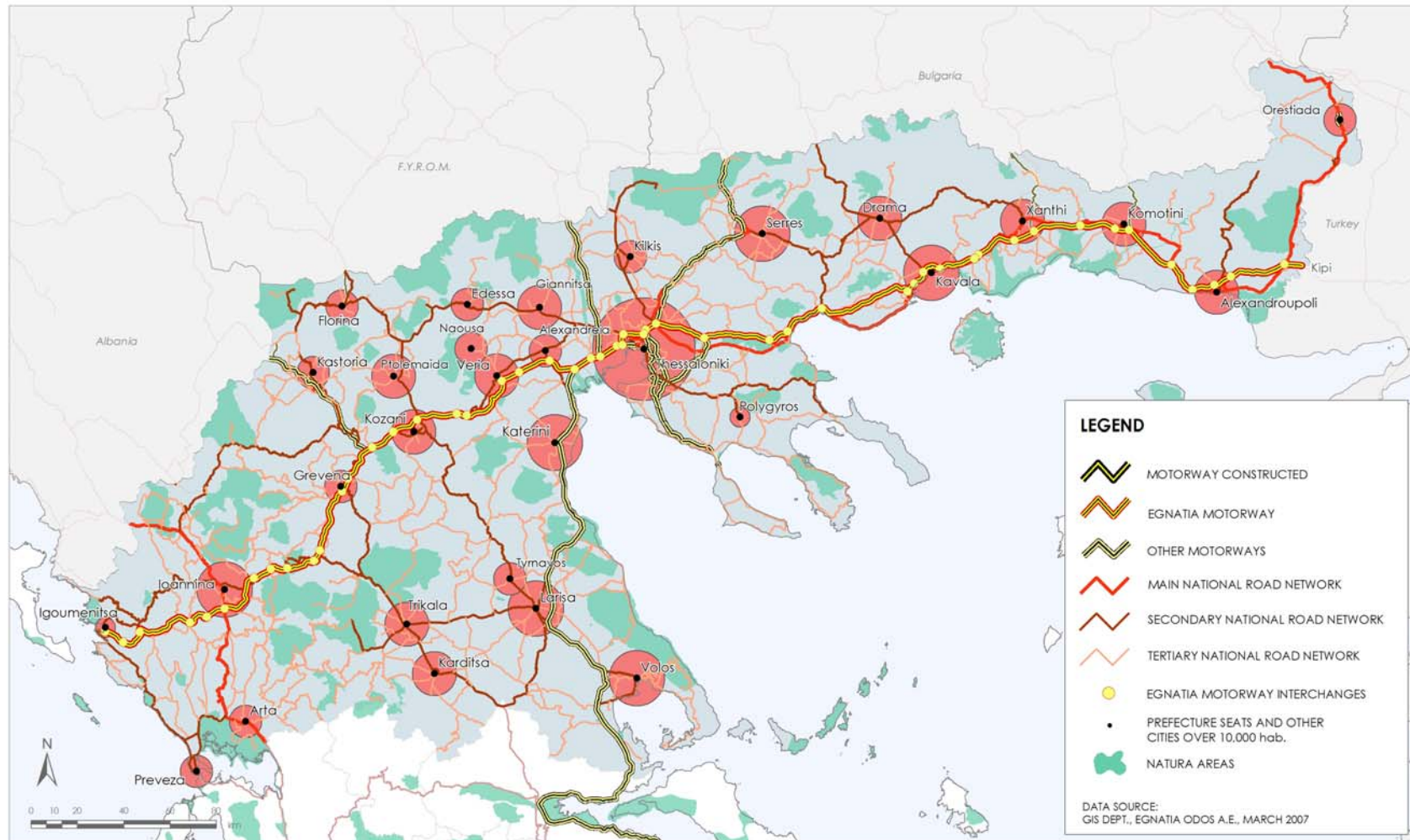


EGNATIA ODOS A.E.
OBSERVATORY

DATE: 20-03-2007
DATA SOURCE: GIS DEPT., EGNATIA ODOS A.E.
M:\GIS\mapinfo\PROJECTS\SimCode_Mar_07\mxd\RD_net_Mar2007_EN.mxd

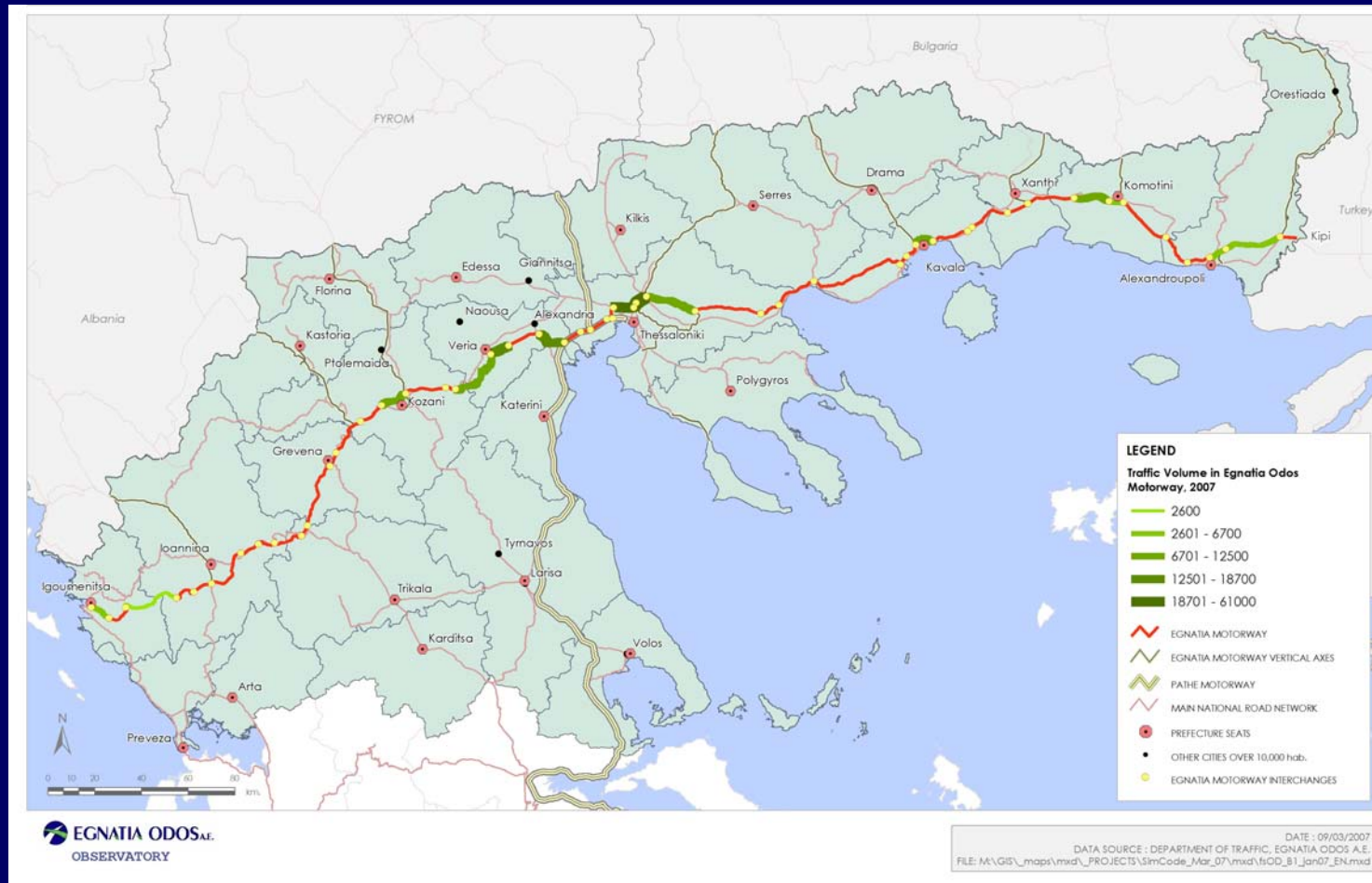
The integrative role of Egnatia: FLOWS

EGNATIA ODOS - ROAD NETWORK WITH EGNATIA MOTORWAY IN IMPACT ZONE IV



The integrative role of Egnatia: FLOWS

- The highest traffic volumes (42.000 - 61,000 AADT) were recorded along the sections in the outer area of Thessaloniki.

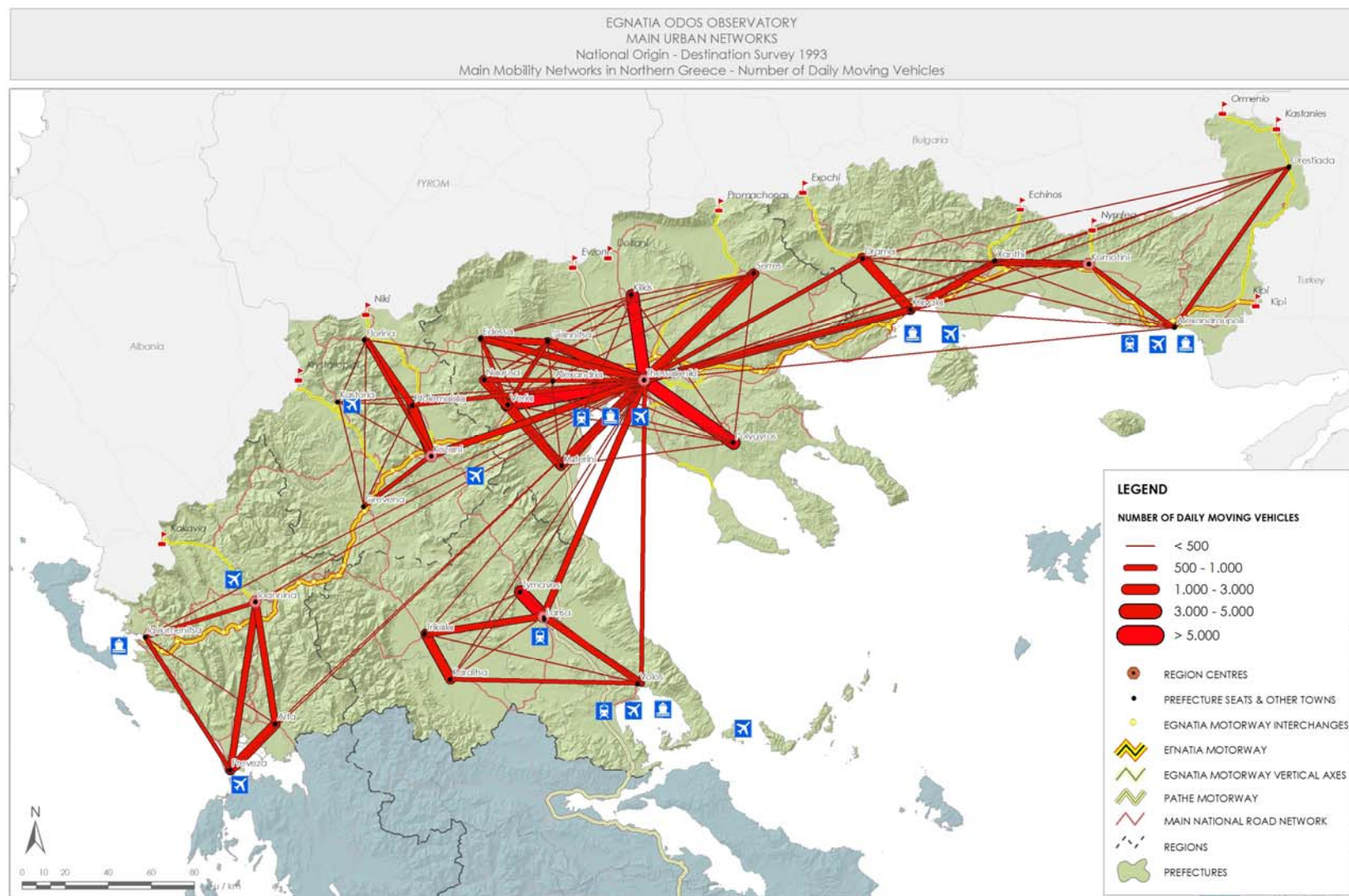


- Composition of traffic: 84% passenger cars (*average*).

The integrative role of Egnatia: FLOWS

TRAFFIC VOLUME IN EGNATIA MOTORWAY					
ANNUAL AVERAGE DAILY TRAFFIC 2004-2006					
Code	section name	AADT 2004	AADT 2005	AADT 2006	change 2004-2006
01_01 ^A	IGOUMENITSA I/C - VASILIKO I/C			4,500	
01A_02	VASILIKO I/C - NEOCHORI I/C				
02_03	NEOCHORI I/C - SELLA-TYRIA I/C	800	1,100	2,600	225 %
10_11	EAST SIATISTA I/C - KALAMIA I/C	7,000	7,500		7 %
11_12	KALAMIA I/C - KOZANI I/C	5,200	7,200	8,400	62 %
13_14	POLYMYLOS I/C - VERIA I/C		10,300	11,300	10 %
14_15	VERIA I/C - KOULOURA I/C	13,000	16,800	18,700	44 %
16_17	NISELIO I/C - KLEIDI I/C	13,600	16,900	18,100	33 %
22_23	IONIA - DIAVATA (K2) I/C - EFKARPIA (K4) I/C	16,400	34,000	42,000	156 %
23_24	EFKARPIA (K4) I/C - LAGADAS/SERRES I/C	54,100	58,000	61,000	13 %
24_25	LAGADAS/SERRES I/C - PROFITIS I/C	10,800	11,600	12,500	16 %
31_32	AG.SYLLAS I/C - LEFKI AMMOS I/C	10,500	11,000	11,300	8 %
36_37	IASMOS I/C - WEST KOMOTINI I/C	8,700	8,700	8,800	1 %
37_38	WEST KOMOTINI I/C - EAST KOMOTINI I/C	6,350	6,350	6,700	6 %
41_42	ALEXANDROUPOLIS I/C - VIPE ALEXANDROUPOLIS I/C	4,630	5,000	5,200	12 %
42_43	VIPE ALEXANDROUPOLIS I/C - ARDANIO I/C	4,900	5,300	5,400	10 %
Raw Data Source: Dept of Traffic. – Operation, Exploitation and Maintenance Division of EGNATIA ODOS A.E.					

The integrative role of Egnatia: FLOWS

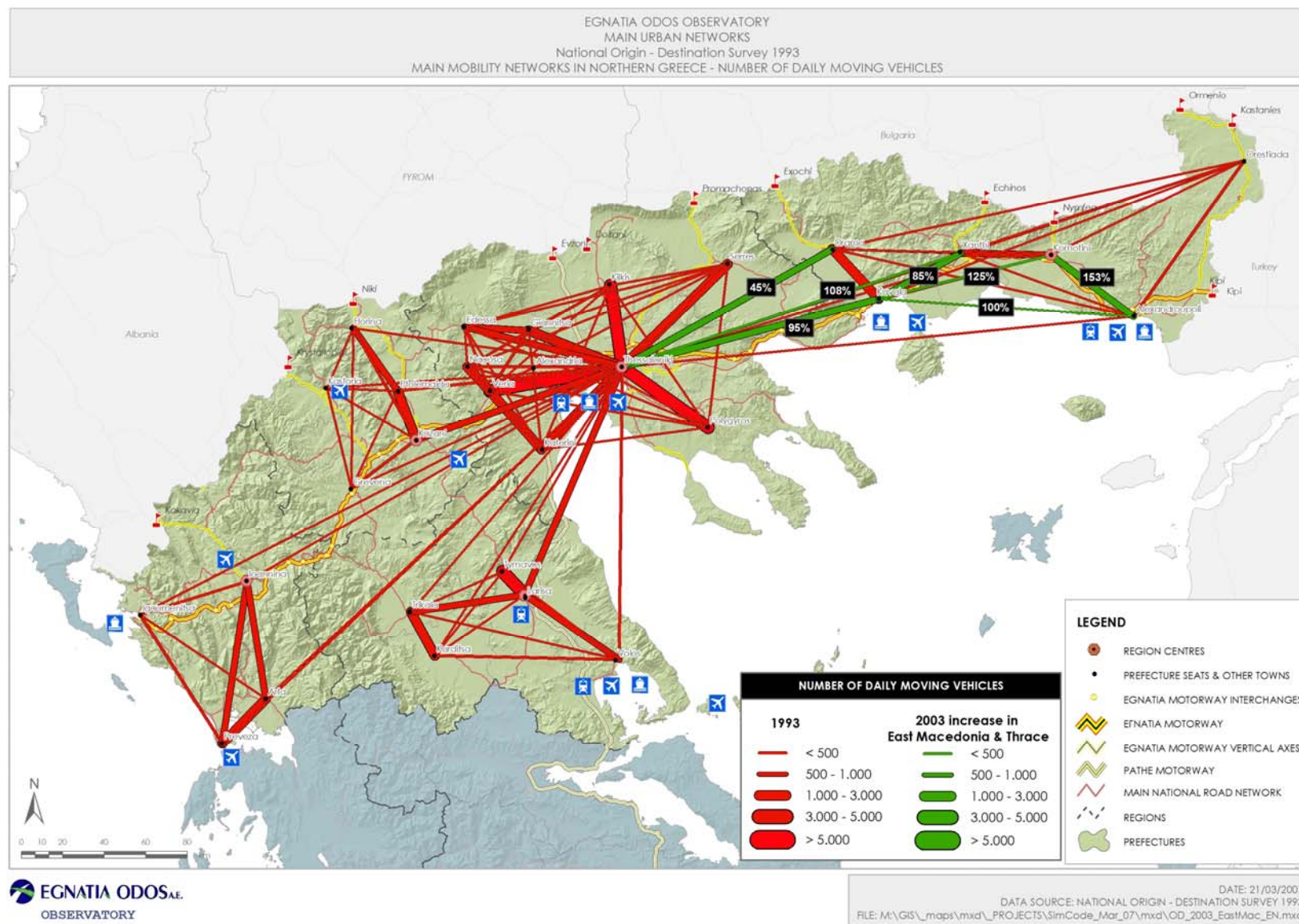


ΕΓΝΑΤΙΑ ΟΔΟΣ Α.Ε.
ΤΟΜΕΑΣ ΥΠΟΘΕΤΗΣΗΣ - ΜΟΝΑΔΑ ΠΑΡΑΤΗΡΗΤΗΡΙΟΥ

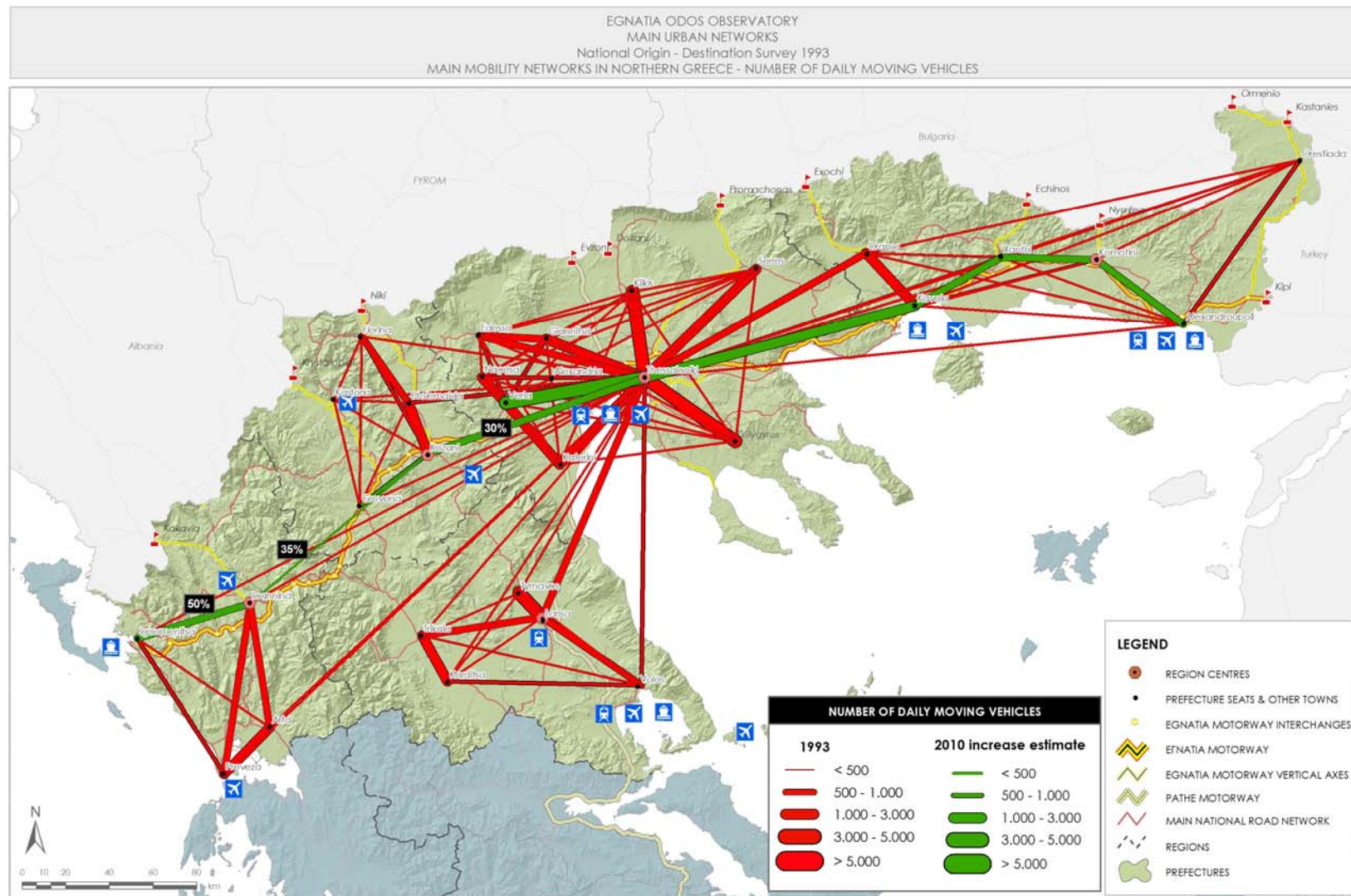
DATE: 07-12-2005
DATA SOURCE: NATIONAL ORIGIN - DESTINATION SURVEY 1993
FILE: M:\GIS\maps\mxd\MAIN\OD\2005_EN\OD_1993_EN.mxd

ΕΓΝΑΤΙΑ ΟΔΟΣ Α.Ε.
SUPPORT SERVICES DIVISION - OBSERVATORY UNIT

The integrative role of Egnatia: FLOWS



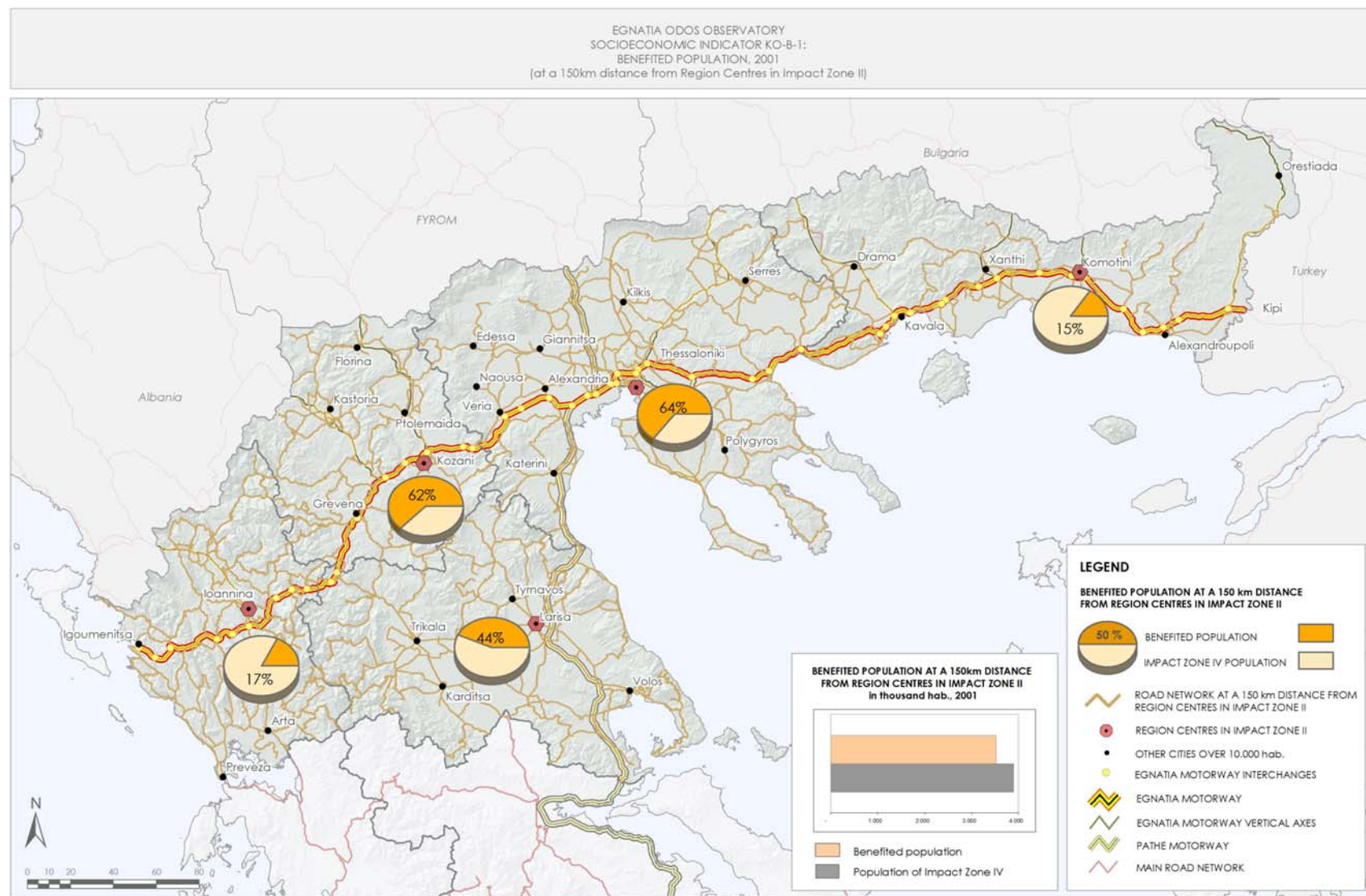
The integrative role of Egnatia: FLOWS



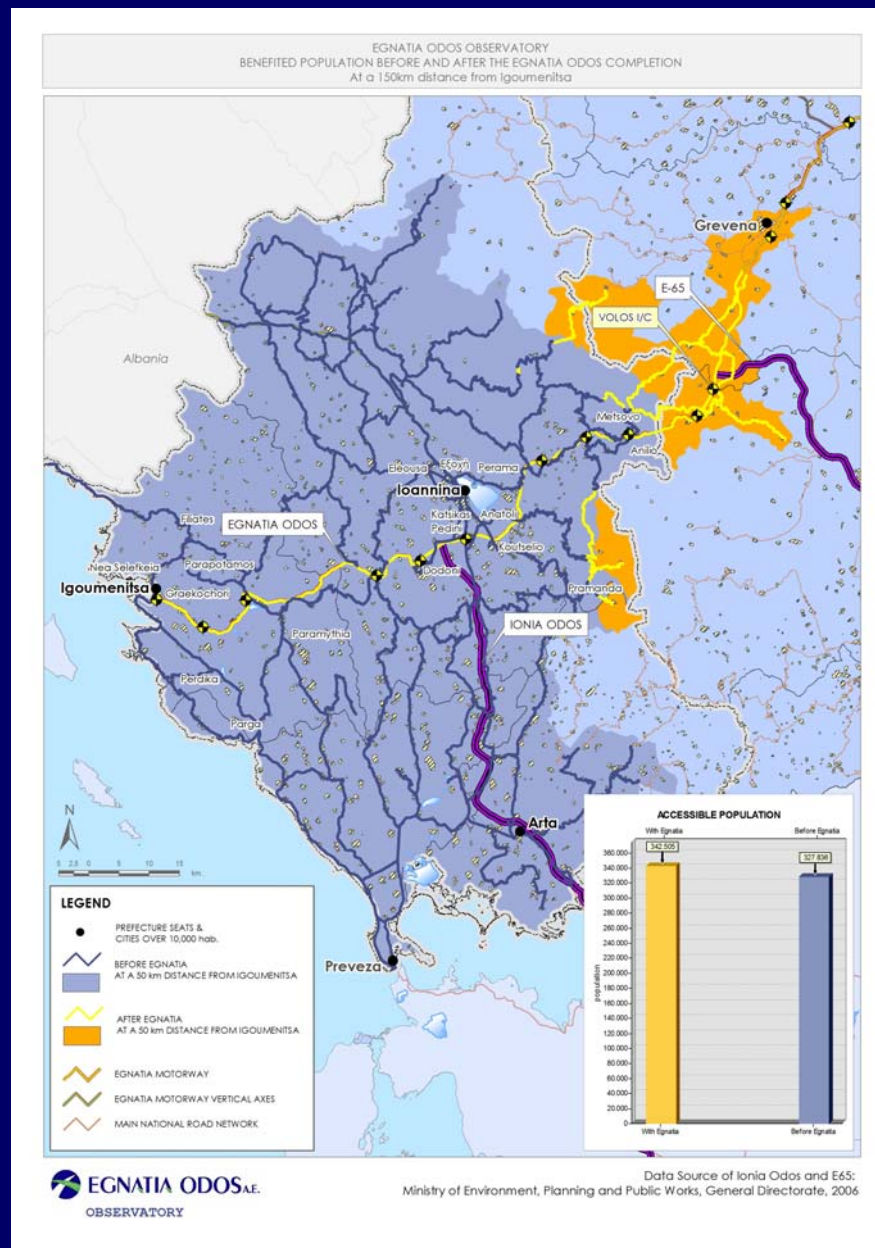
EGNATIA ODOS AE.
OBSERVATORY

DATE: 21/03/2007
DATA SOURCE: NATIONAL ORIGIN - DESTINATION SURVEY 1993
FILE: M:\GIS\maps\mxd\PROJECTS\SimCode_Mar_07\mxd\OD_2010_EN.mxd

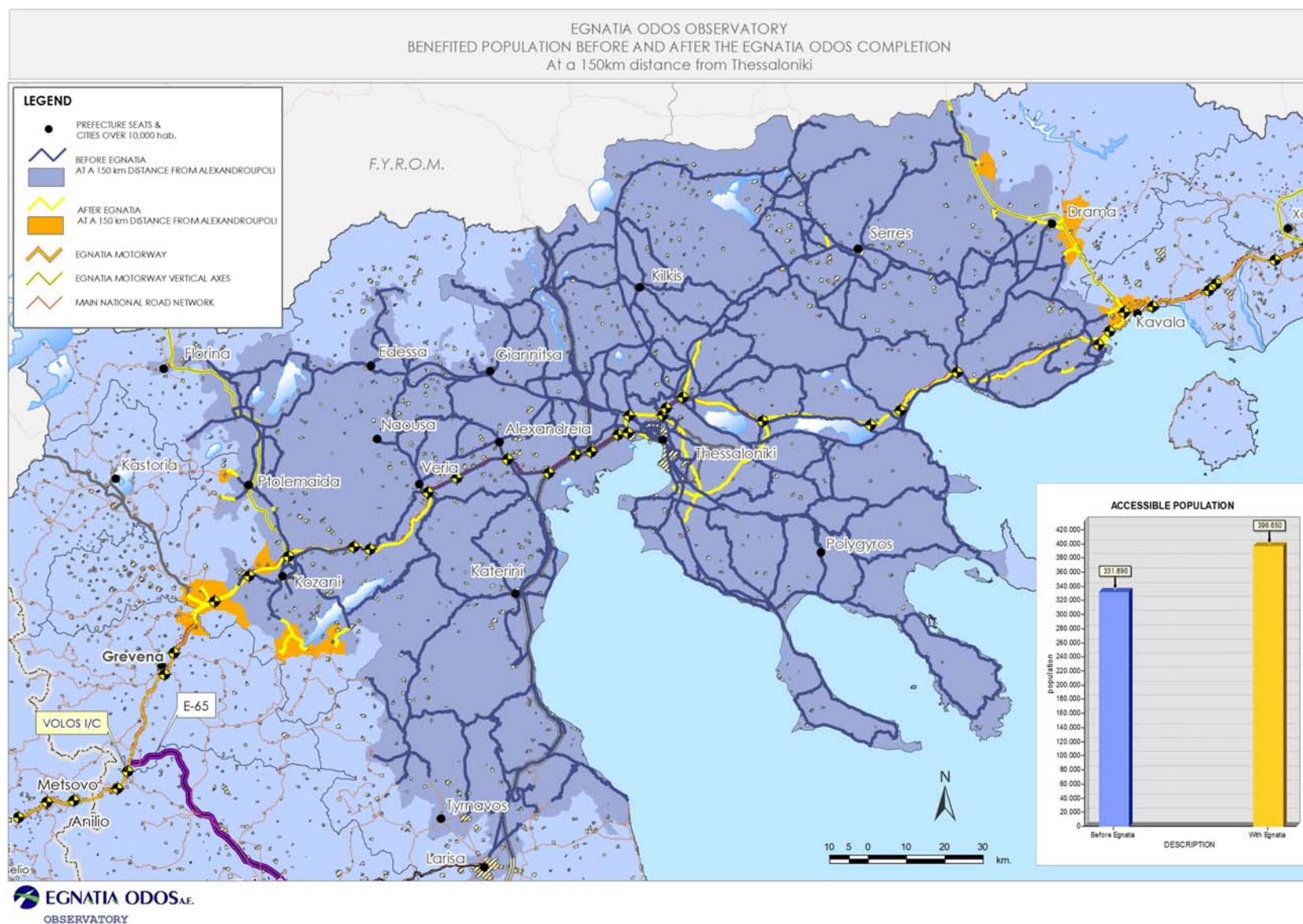
The integrative role of Egnatia: PROXIMITY



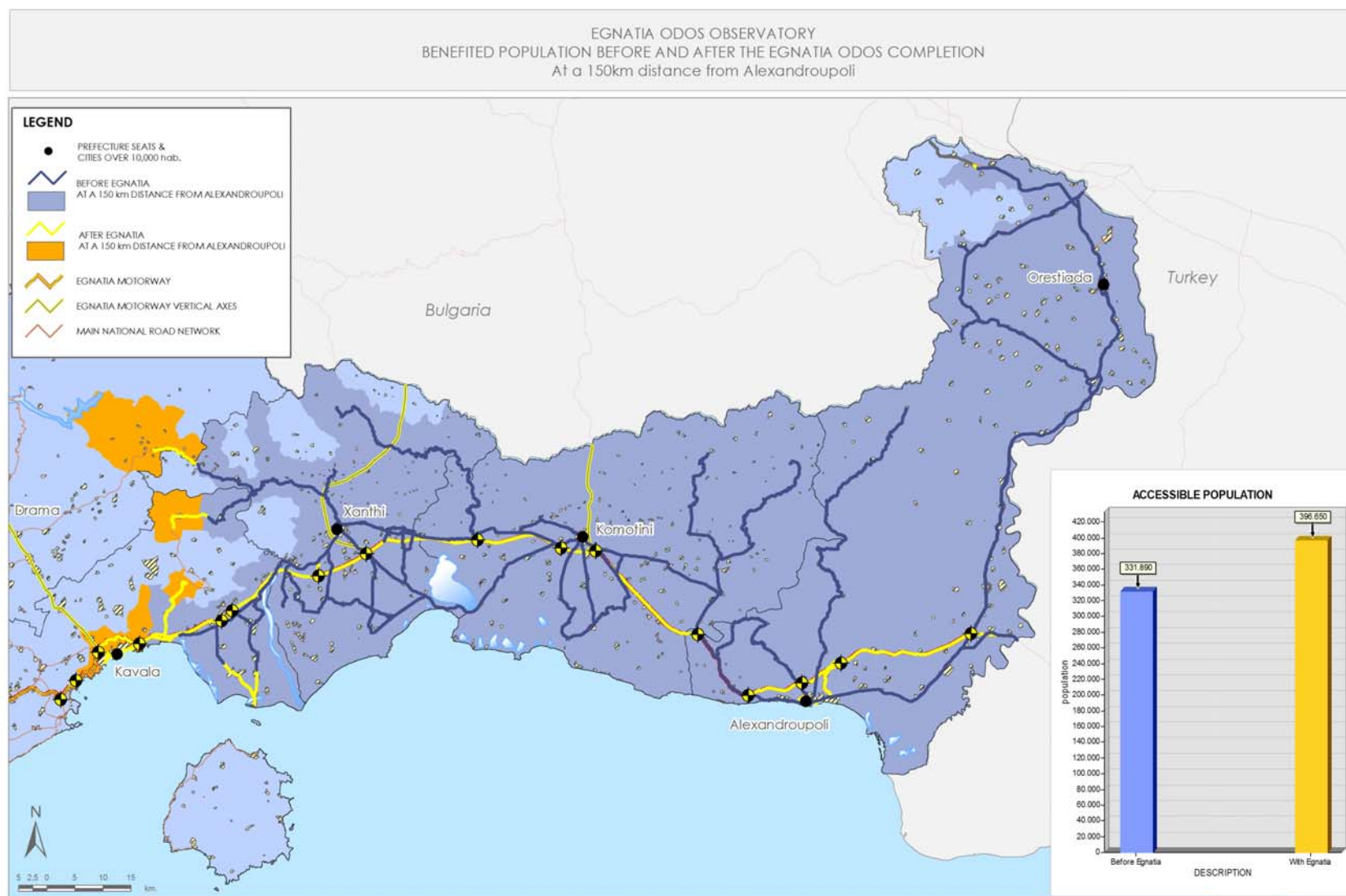
The integrative role of Egnatia: PROXIMITY



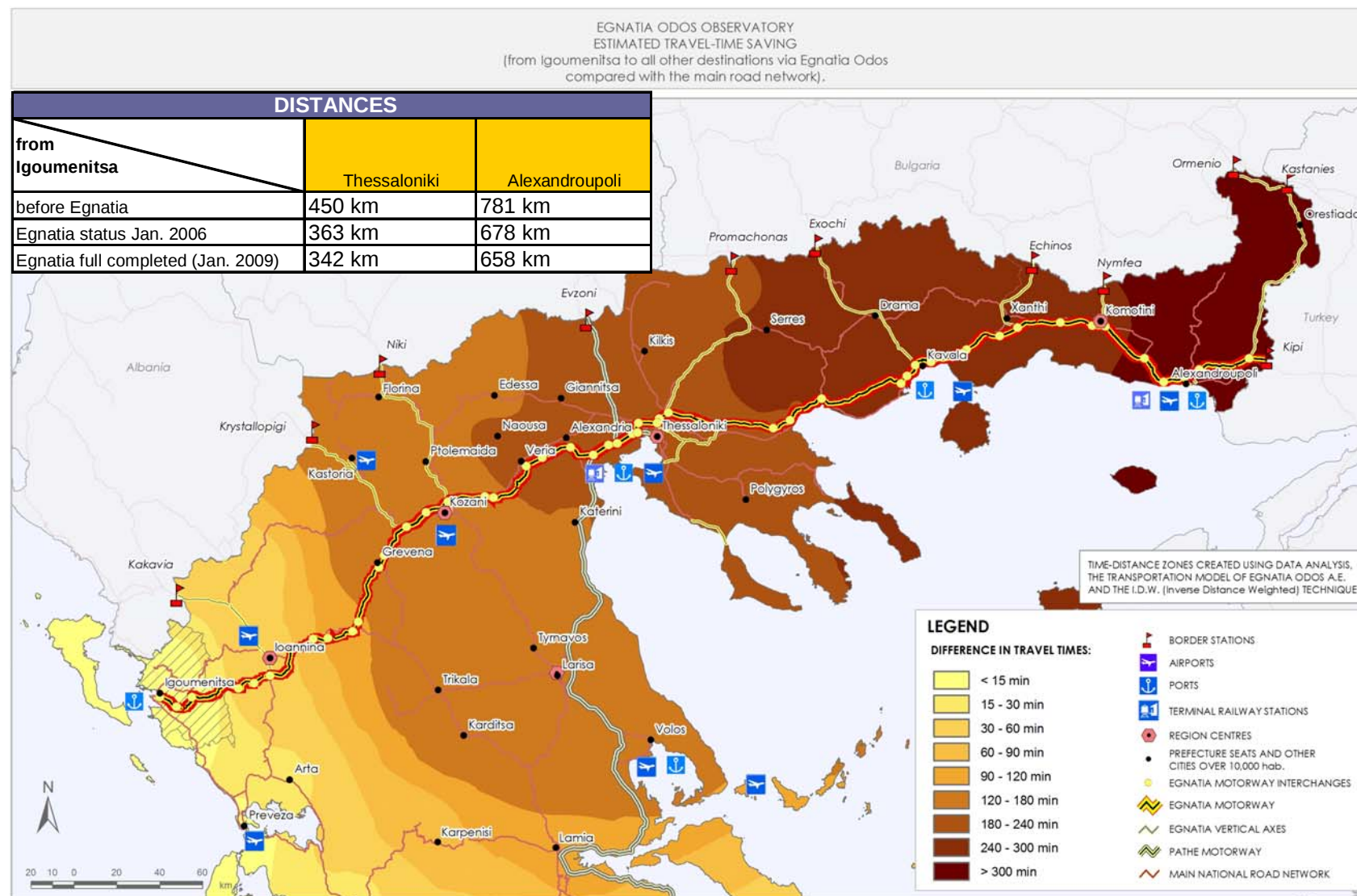
The integrative role of Egnatia: PROXIMITY



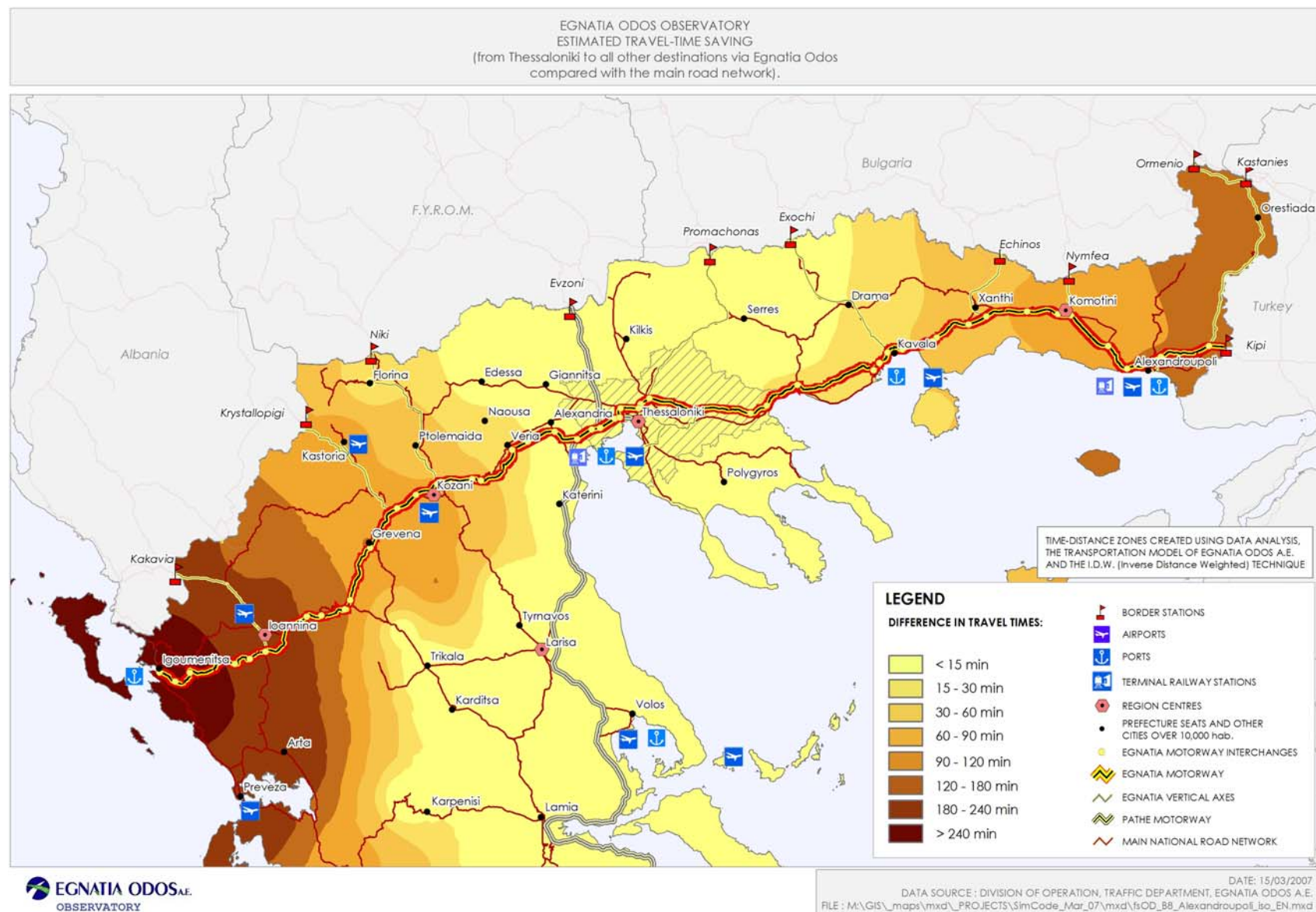
The integrative role of Egnatia: PROXIMITY



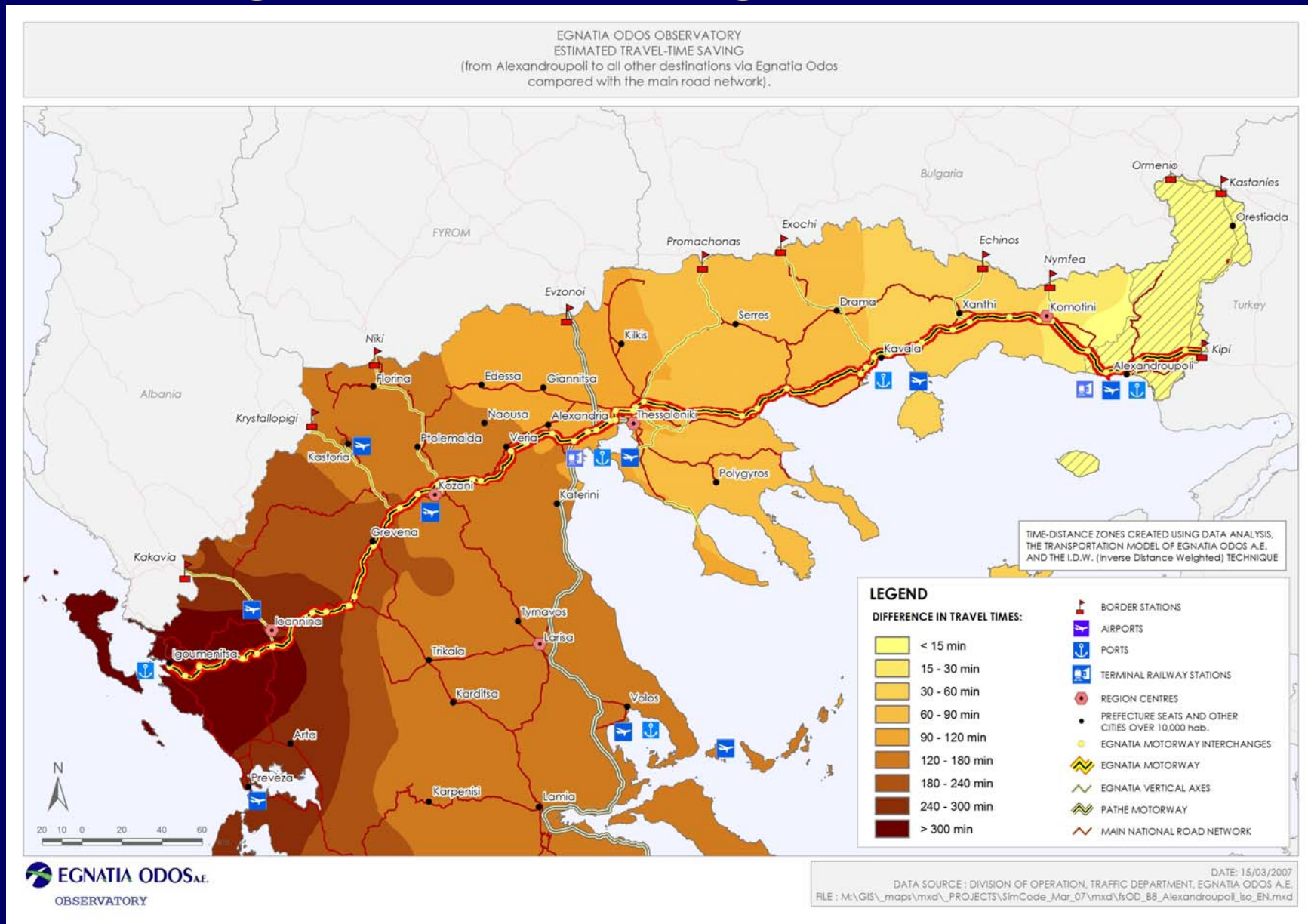
The integrative role of Egnatia: PROXIMITY



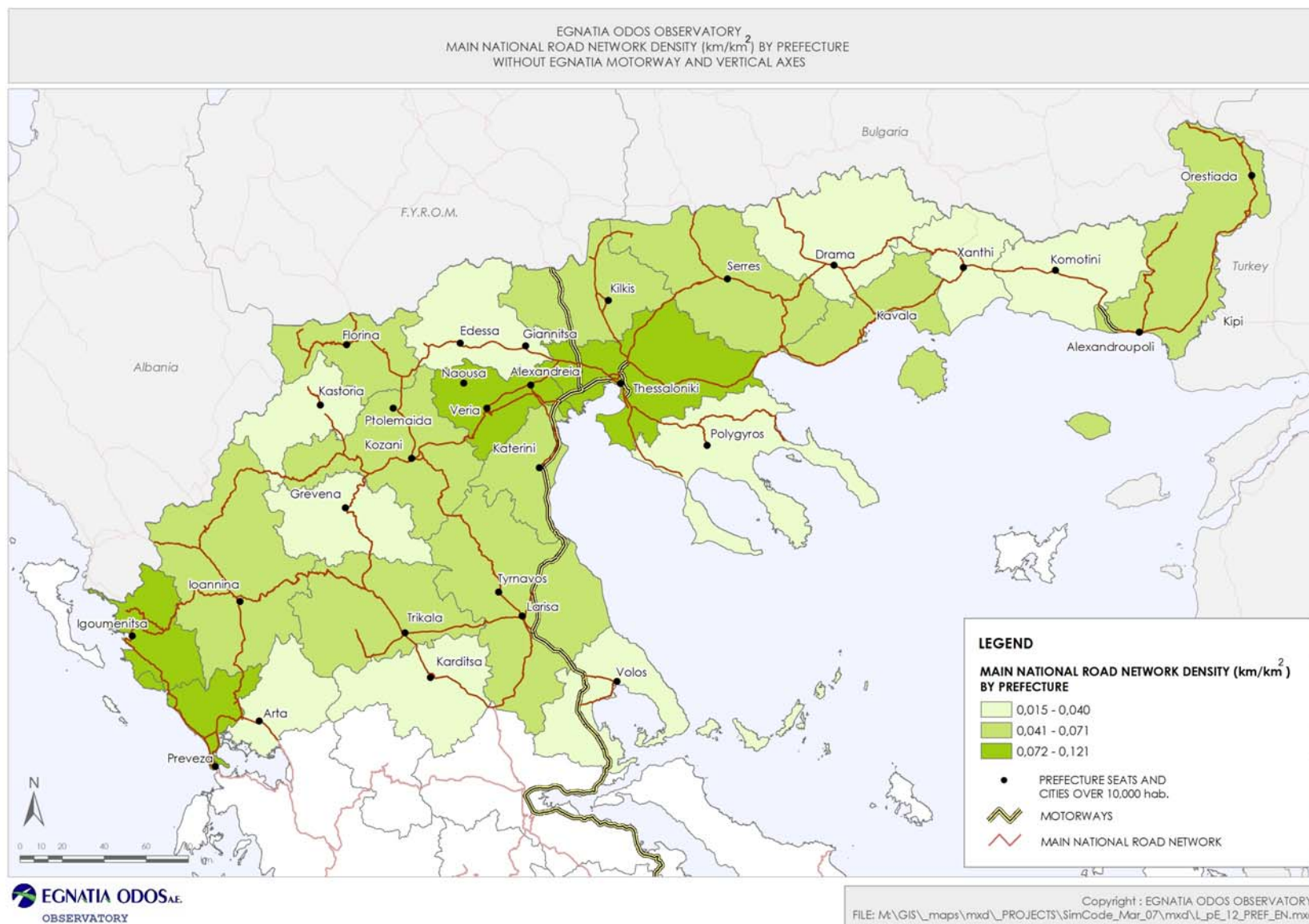
The integrative role of Egnatia: PROXIMITY



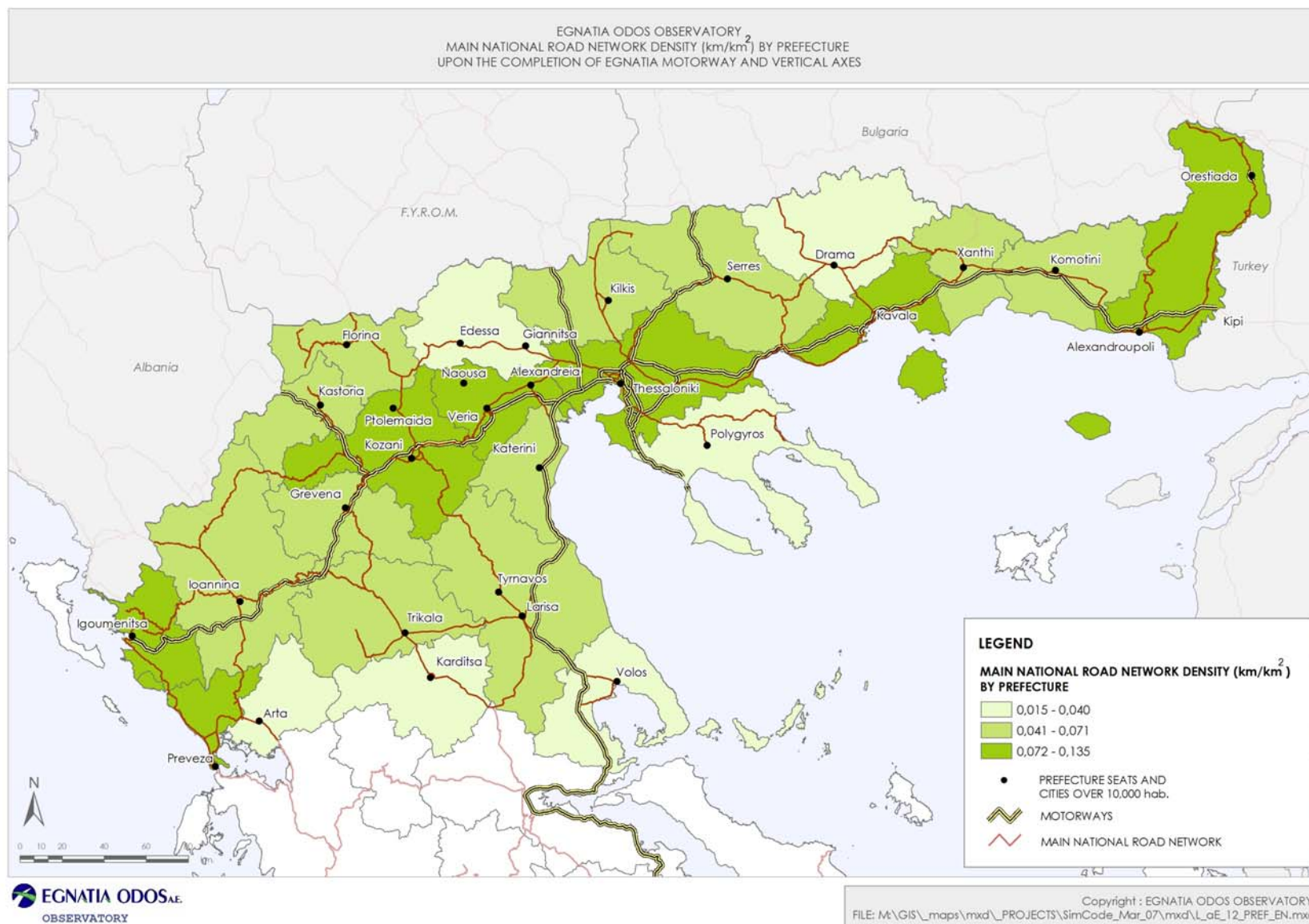
The integrative role of Egnatia: PROXIMITY



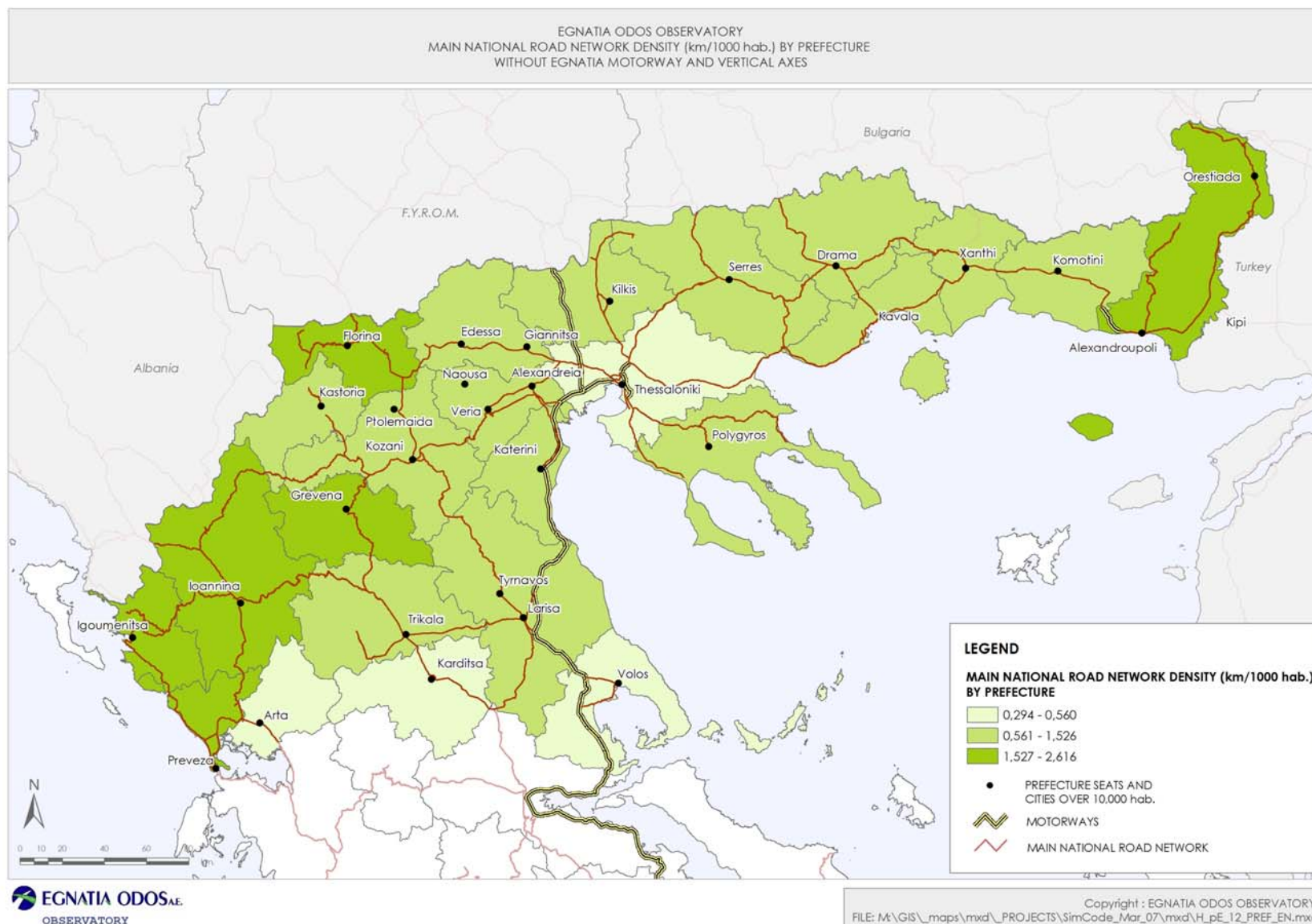
The integrative role of Egnatia: PROXIMITY



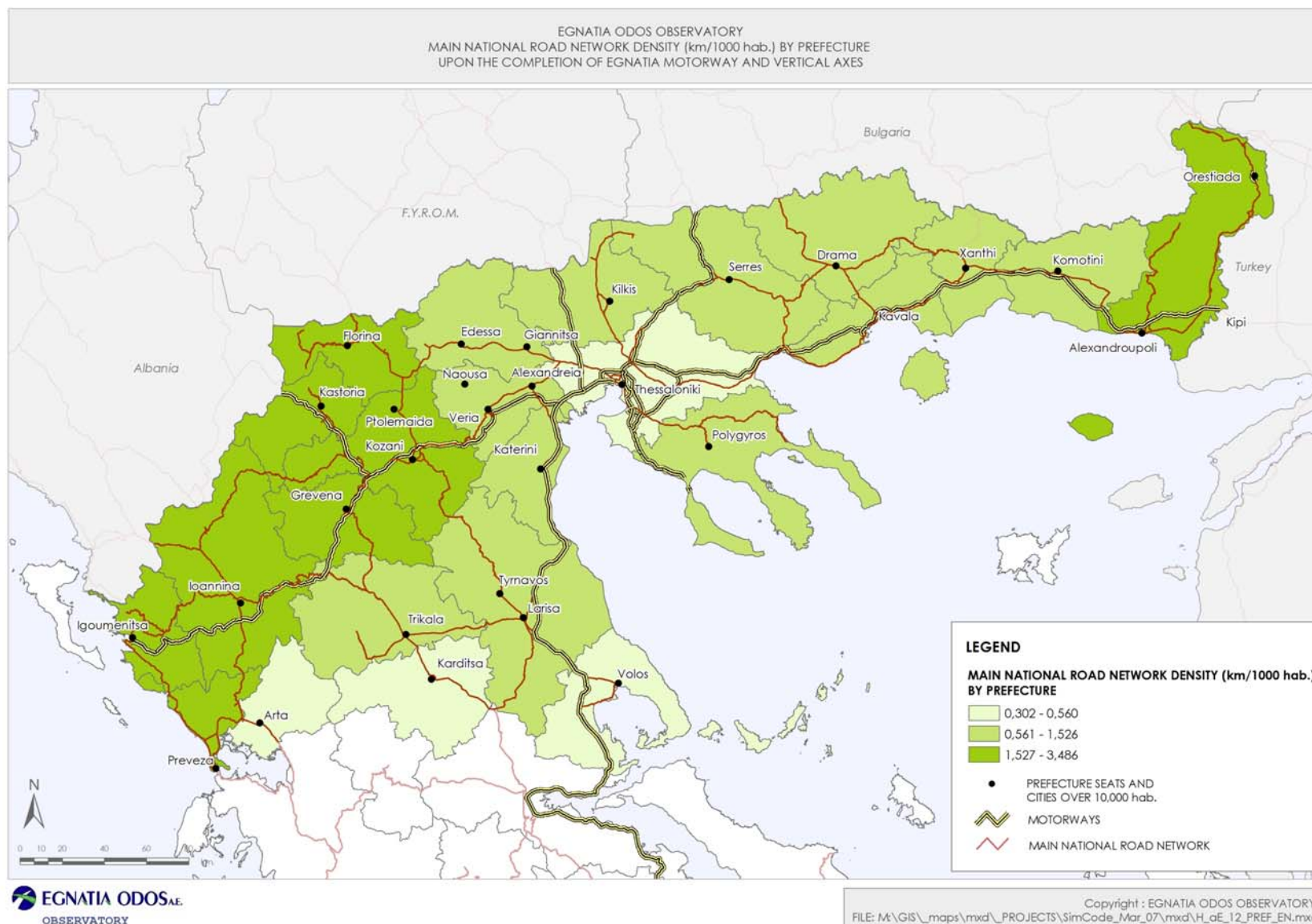
The integrative role of Egnatia: PROXIMITY



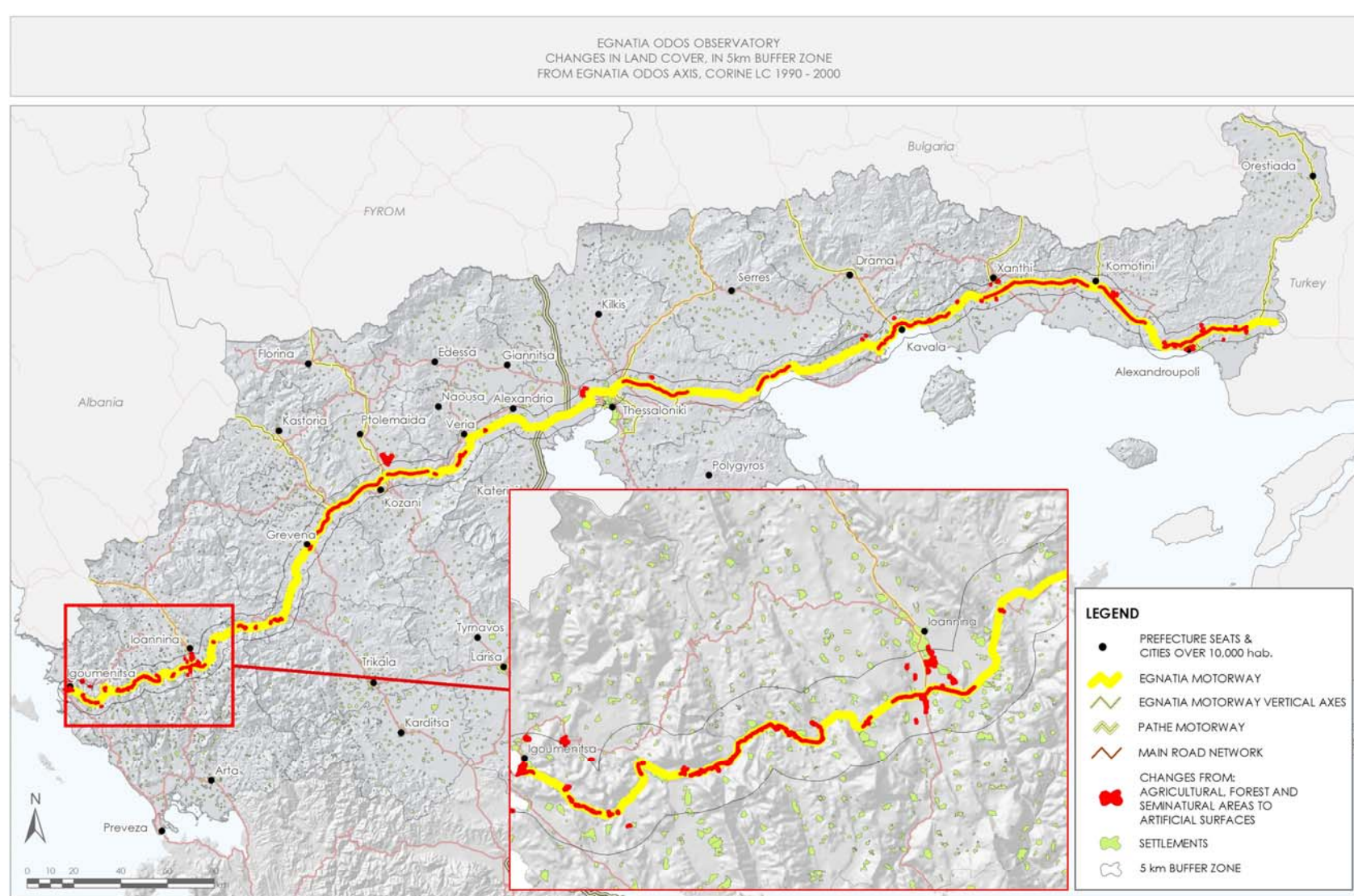
The integrative role of Egnatia: PROXIMITY



The integrative role of Egnatia: PROXIMITY



The integrative role of Egnatia: PROXIMITY



ΕΓΝΑΤΙΑ ΟΔΟΣ Α.Ε.

ΤΟΜΕΑΣ ΥΠΟΘΕΤΗΣΗΣ - ΜΟΝΑΔΑ ΠΑΡΑΤΗΡΗΤΗΡΙΟΥ

DATE: 01/03/2006

DATA SOURCE : CORINE LC 1990 - 2000

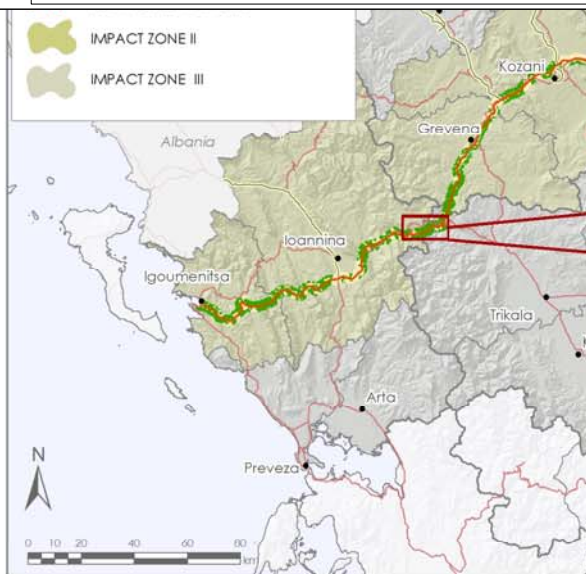
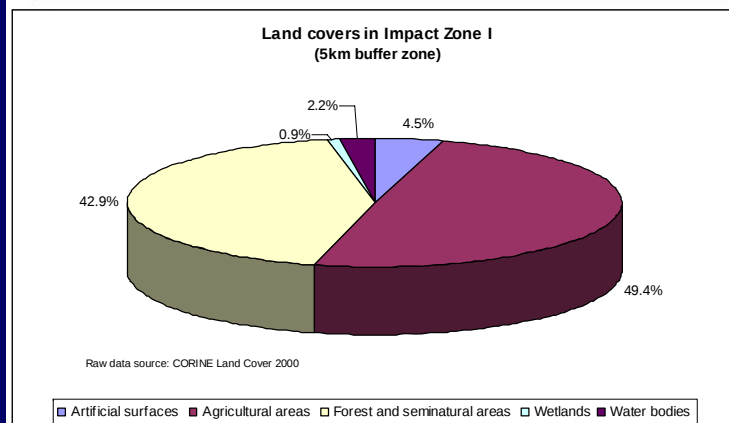
FILE : M:\GIS\maps\mxd\PROJECTS\fact_sheets_2006\fsPE_P4_EN\fs_allages_gis_jan06_EN.mxd

ΕΓΝΑΤΙΑ ΟΔΟΣ Α.Ε.

SUPPORT SERVICES DIVISION - OBSERVATORY UNIT

The integrative role of Egnatia: PROXIMITY

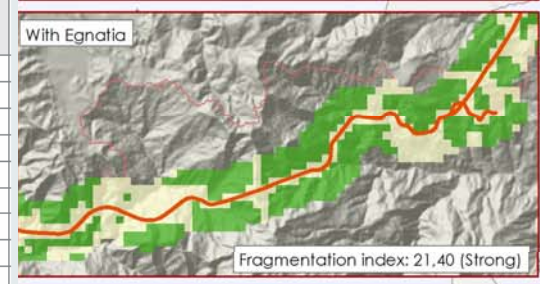
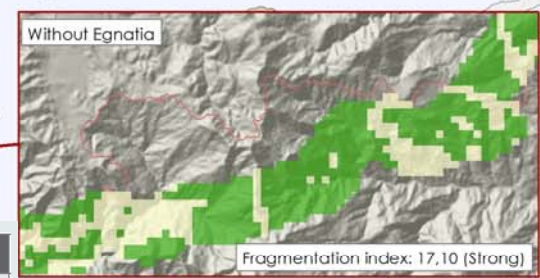
EGNATIA ODOS OBSERVATORY
ENVIRONMENTAL INDICATOR PE-P-3:
FRAGMENTATION OF NATURAL AREAS IN IMPACT ZONE I



ΕΓΝΑΤΙΑ ΟΔΟΣ Α.Ε.

ΤΟΜΕΑΣ ΥΠΟΕΤΗΣΗΣ - ΜΟΝΑΔΑ ΠΑΡΑΤΗΡΗΤΗΡΙΟΥ

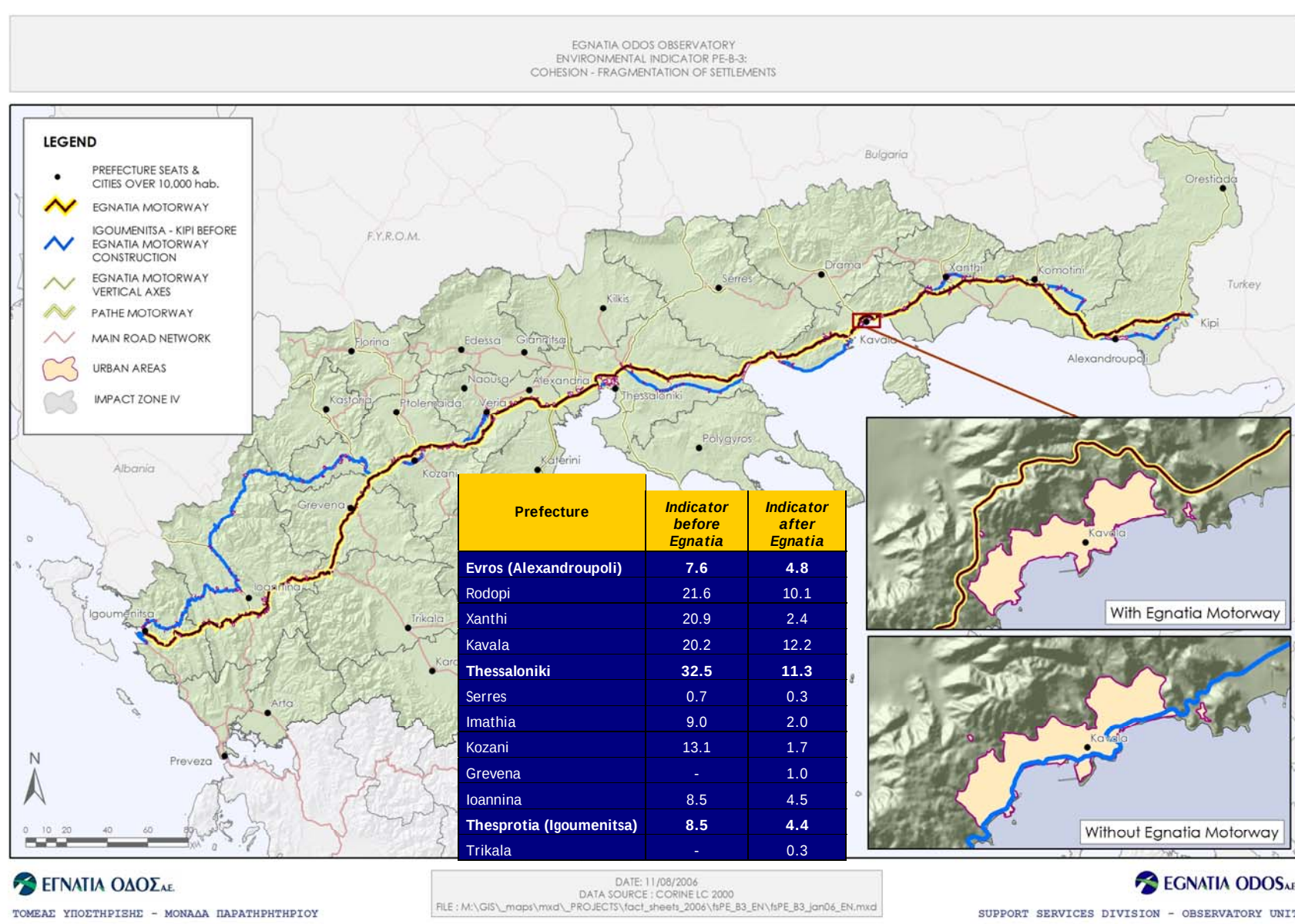
Fragmentation of Natural Areas		
Prefecture	Indicator without Egnatia Motorway	Indicator with Egnatia Motorway
Thesprotia	4,35	4,47
Ioannina	2,83	2,87
Grevena	3,74	3,86
Kozani	3,57	3,60
Imathia	4,48	4,58
Thessaloniki	6,65	6,75
Serres	3,43	3,43
Kavala	3,39	3,60
Xanthi	3,24	3,22
Rodopi	3,20	3,23
Evros	4,42	4,43
Zone II	3,76	3,82



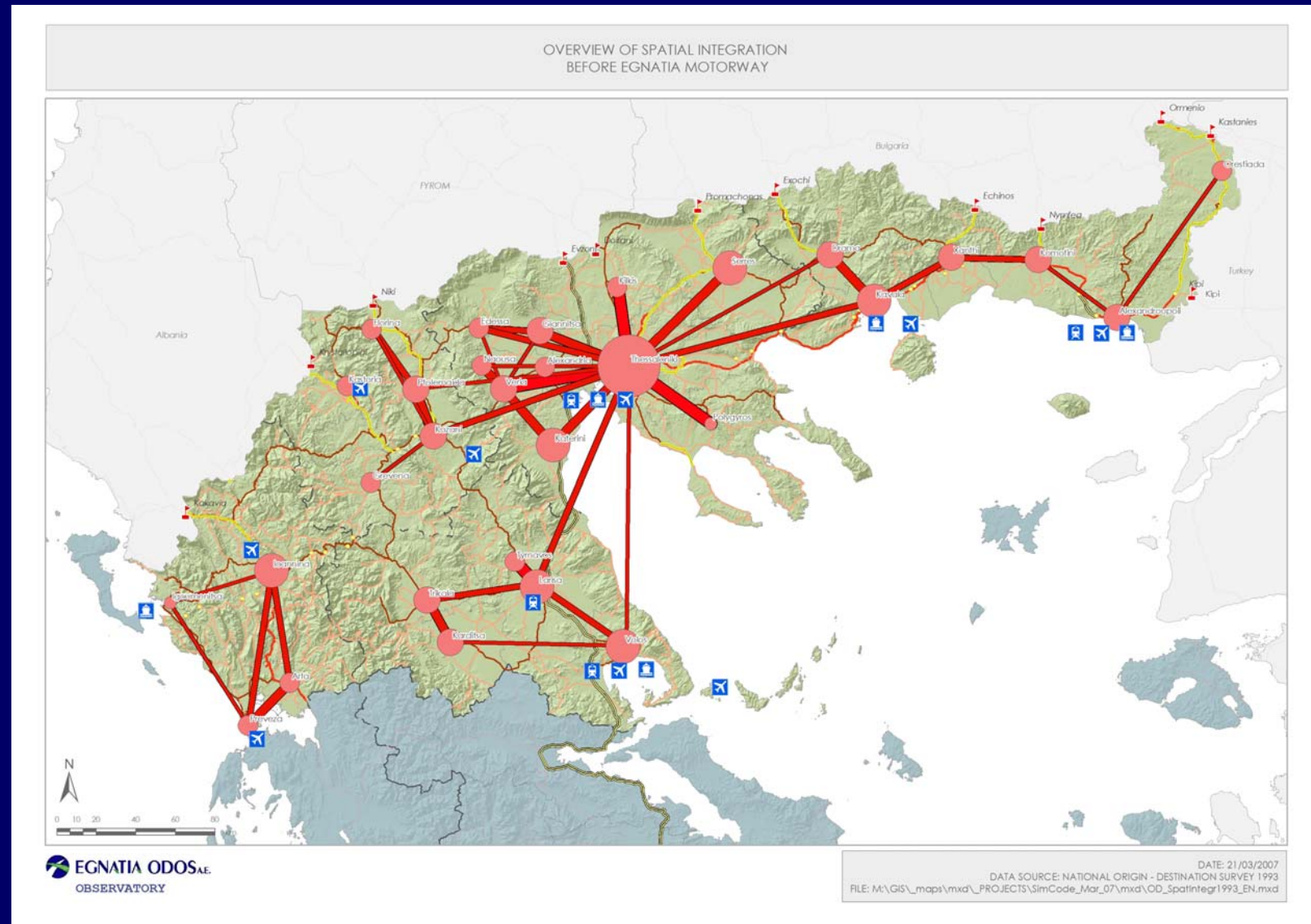
ΕΓΝΑΤΙΑ ΟΔΟΣ Α.Ε.

SUPPORT SERVICES DIVISION - OBSERVATORY UNIT

The integrative role of Egnatia: PROXIMITY

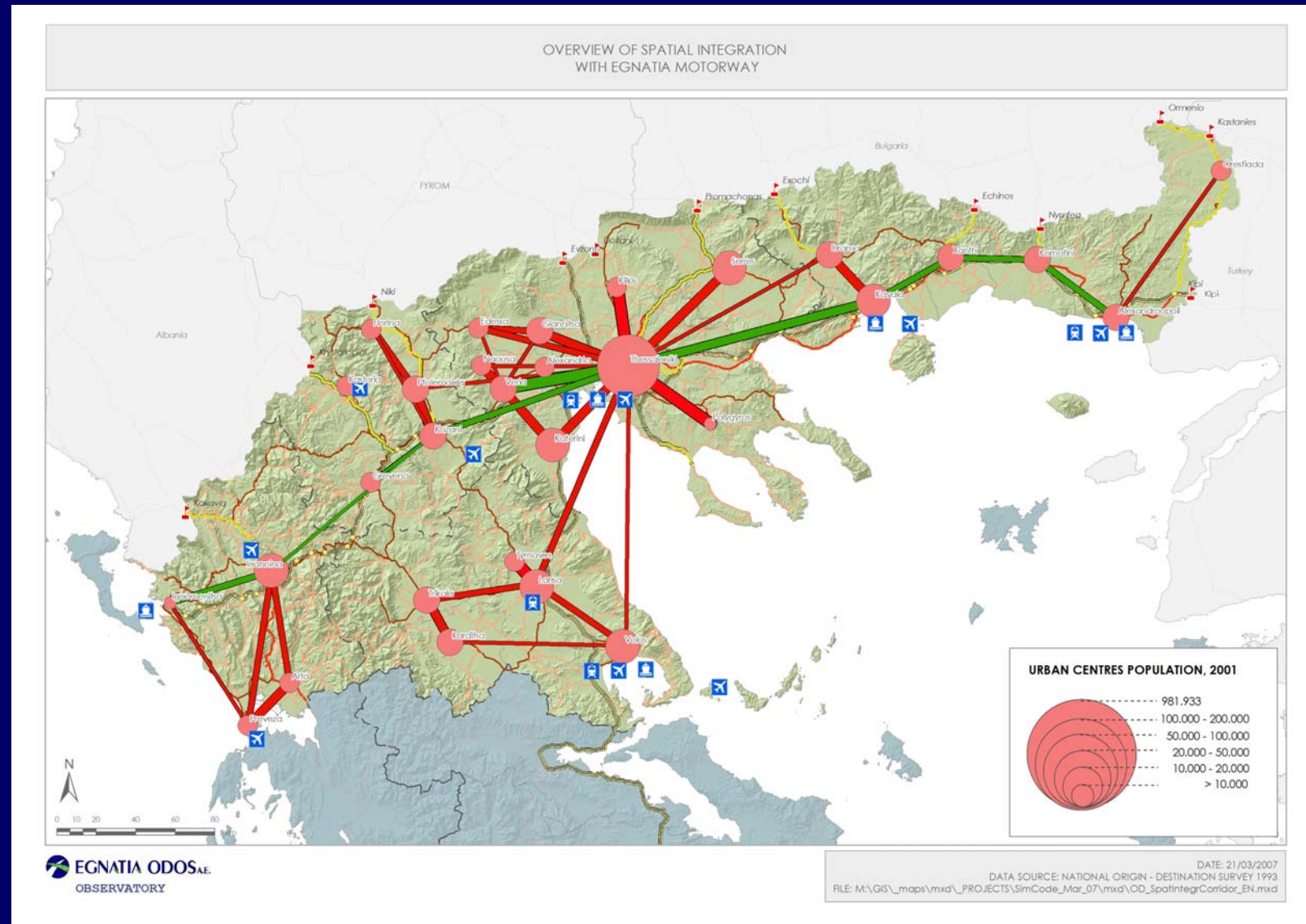


The integrative role of Egnatia: PRELIMINARY CONCLUSIONS

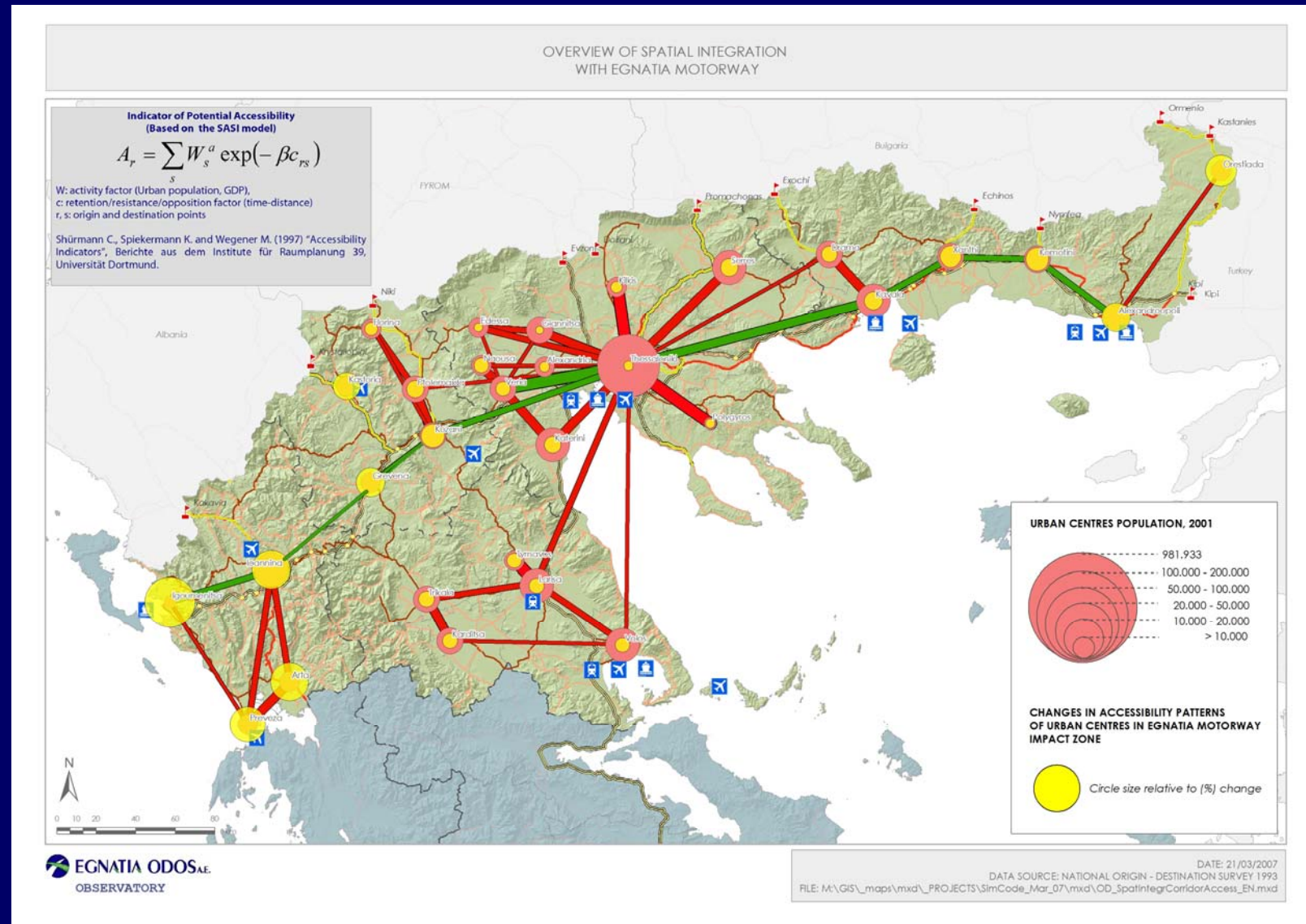


6

The integrative role of Egnatia: PRELIMINARY CONCLUSIONS

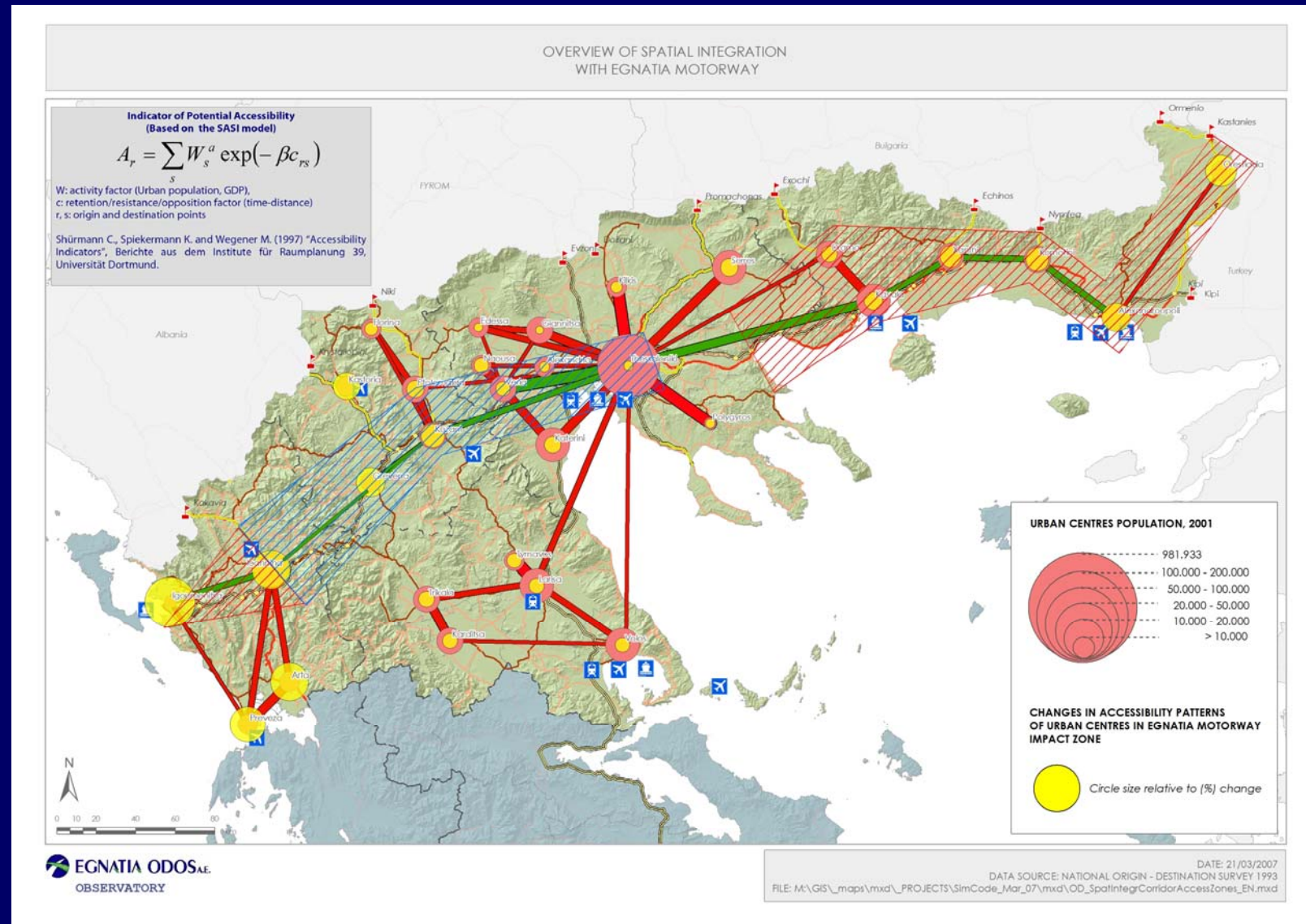


The integrative role of Egnatia: PRELIMINARY CONCLUSIONS



8

The integrative role of Egnatia: PRELIMINARY CONCLUSIONS



9

Thank you for your attention!

<http://www.egnatia.gr>

<http://observatory.egnatia.gr>

Tel: ++ 30 2310 470 200

Fax: ++30 2310 475 937

Email: observe@egnatia.gr

EGNATIA ODOS is funded by:



EUROPEAN
UNION



GREEK
GOVERNMENT



EUROPEAN
INVESTMENT
BANK



COMMUNITY
SUPPORT
FRAMEWORK
2000-2006