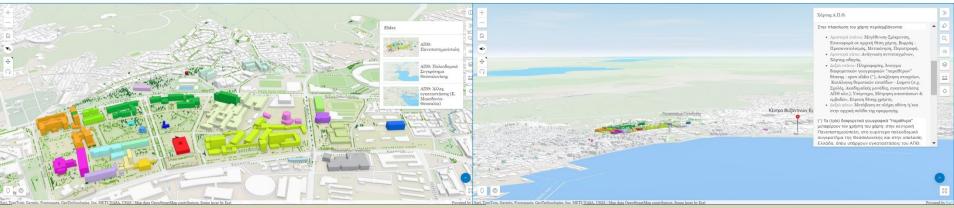
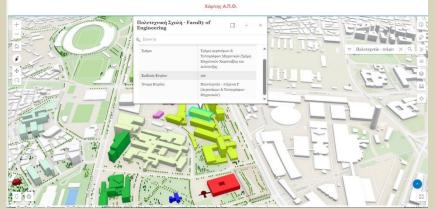
A Map for the ARISTOTLE UNIVERSITY OF THESSALONIKI

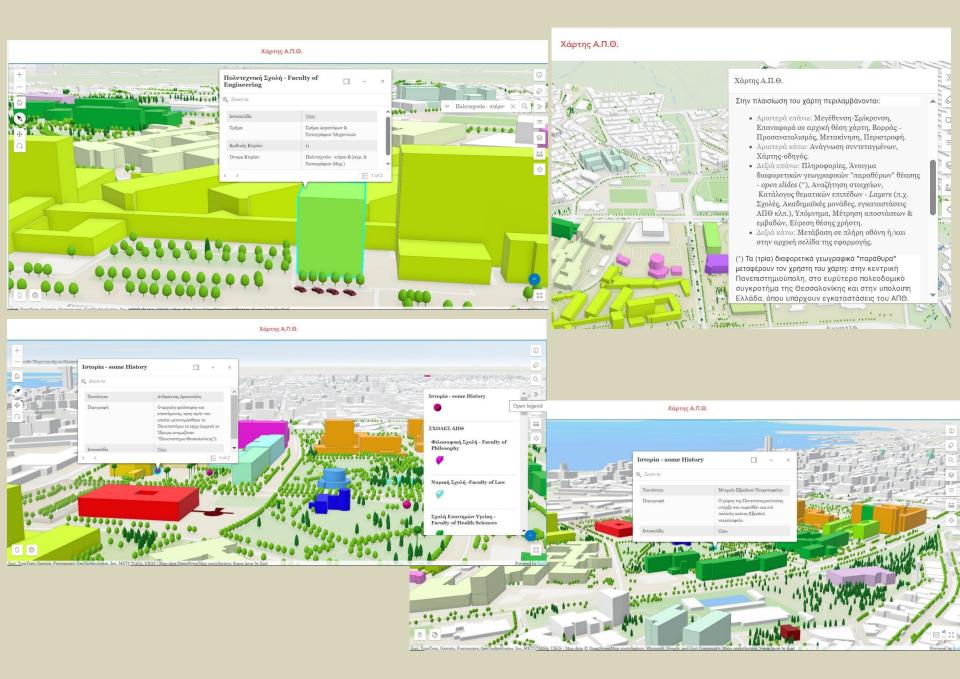


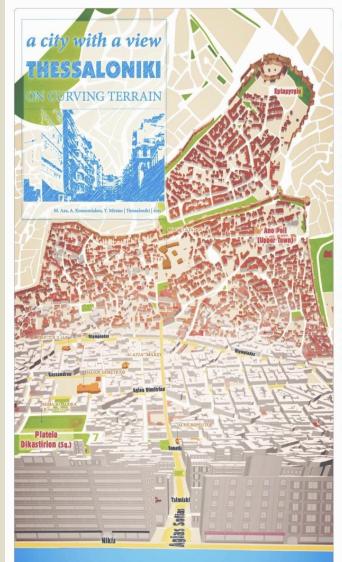






A Map for the Aristotle University of Thessaloniki





The CITY OF THESSALONIKI, in Northern Greece, is displayed in an unusual projection, in order to allow for the sense of immersing in urban three-dimensional space, while at the same time giving an overview of the city along a certain direction (here from SW to NE). This is done by curving the terrain and placing the viewer inside this concave surface.

Using distorted views of geographic space is not a new practice in Cartography: maps with unconventional projections exist since the 16th century. Twoand three-dimensional representations of this sort include variable-scale maps, (poly)-focal and progressive projections etc. The idea is to provide both overview and details of geo-space; urban areas with dense information are therefore a suitable mapping topic.

The city of Thessaloniki is shown here on a curving terrain, giving the sense that one simultaneously views the surrounding neighbourhood and the entire city extending along the viewing direction, without being distracted by 3D buildings.

Sources of inspiration for the work were: the Here and There map of Manhattan (by BERC design studio, 2009) and Terrain Bender (free and open source software by H. Jenny and B. Jenny, 2009–11); the latter was also among the tools used for making the map.



Aristotle University of Thessaloniki Apicrotéleio Novenictripio Beooalovíkinc http://www.adhgr/

School of Rural and Surveying Engineering Turius Ayporducus & Tanaypaptus Minanikus Minanikus and ar

M. Aza, A. Koussoulakou & Y. Mitzias maza@topo.aufh.gr. kusulaku@topo.aufh.gr. ymitzias@gmail.com



The CITY OF THESSALONIKI, in Northern Greece, is displayed in an unusual projection, in order to allow for the sense of immersing in urban three-dimensional space, while at the same time giving an overview of the city along a certain direction (here from NW to SE). This is done by curving the terrain and placing the viewer inside this concave surface.

Using distorted views of geographic space is not a new practice in Cartography: maps with unconventional projections exist since the 16th century. Twoand three-dimensional representations of this sort include *variable-scale maps*, (poly)-focal and progressive projections etc. The idea is to provide both overview and details of geo-space; urban areas with dense information are therefore a suitable mapping topic.

The city of Thessaloniki is shown here on a curving terrain, giving the sense that one simultaneously views the surrounding neighbourhood and the entire city extending along the viewing direction, without being distracted by 3D buildings.

Sources of inspiration for the work were: the Here and There map of Manhattan (by BERG design studio, 2009) and Terrain Bender (free and open source software by H. Jenny and B. Jenny, 2009-11); the latter was also among the tools used for making the map.

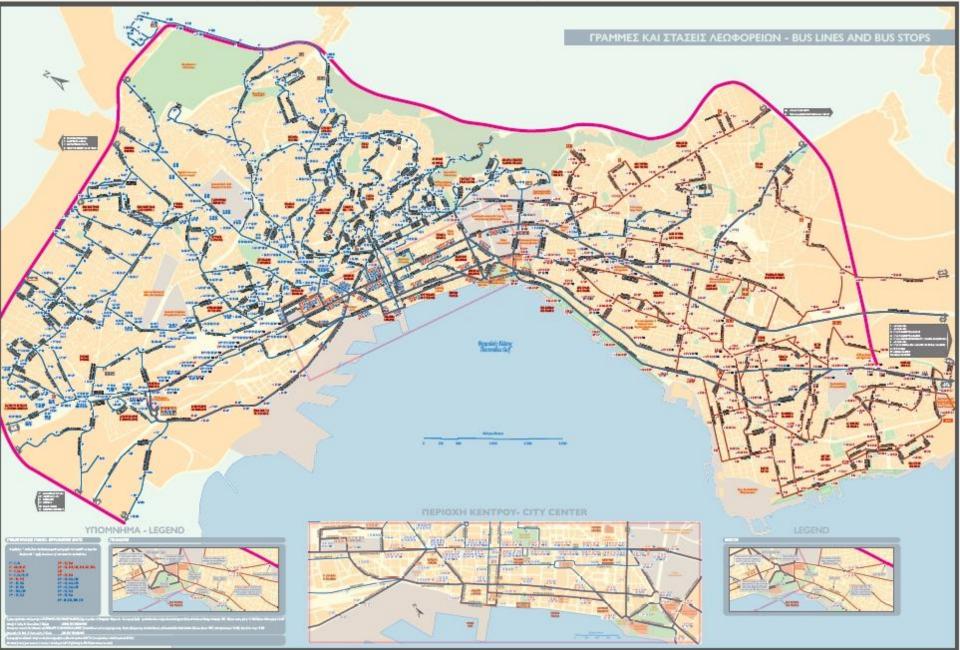


Aristotle University of Thessaloniki Aprototičko Tavenotripio Becoakovian; http://www.auhar/ School of Rural and Surveying Engineering Table

Τμήμα Αγρανόμων & Ταπαγράφων Μακανικών 4908 Μημ/www.cope.auth.gr

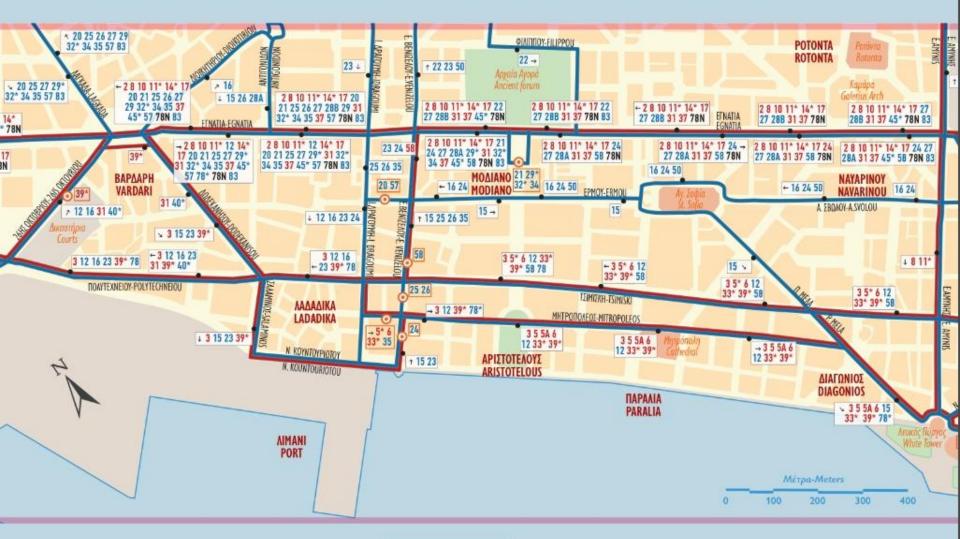
M. Aza, A. Koussoulakou & Y. Mitzias maza@topo.auth.gr, kusulaku@topo.auth.gr, ymitzias@gmail.com

Map of bus lines & bus stops in Thessaloniki



Map of bus lines & bus stops in Thessaloniki (fragment)

ПЕРІОХН КЕNTPOY- СІТҮ CENTER



Map of bus lines & bus stops in Thessaloniki (fragment)



ΣΥΜΠΛΗΡΩΜΑΤΙΚΕΣ ΓΡΑΜΜΕΣ- SUPPLEMENTARY ROUTES

Or apsβpai με * υποδηλώνσαν τη διέλευση περισσότερων γραμμών του παρατίθενται παρακάτω Numbers with * signify the existence of more routes that are listed below

33* - 33, 33A
36* - 36, 36B, 36E, 36H, 36T, 36K,
362
39* - 39, 39A
40* - 40, 40A, 40K
42= - 42, 42A, 428
45* - 45, 45A, 458
54* - 54, 54A
78= - 78, 78A
80*- 80, 80A, 80B, 80E



O génerg og Eduármuse em Epyramines XAPTOFPAVIAE & FEDI-PAVILEE (Jaripus Asponiques & Temospádous Migranus évêceou génerg 1:8:000

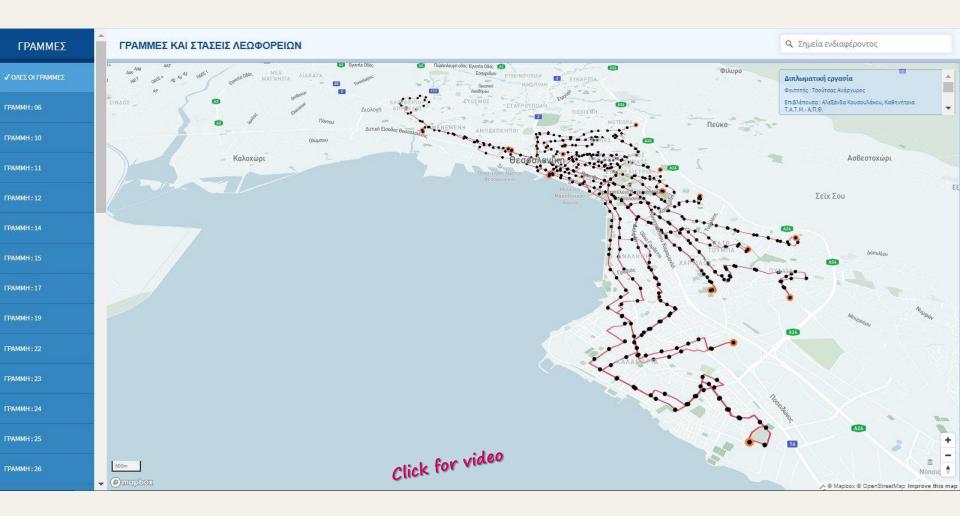
The map was created in the Laboratory of CANTOGRAPHY & GEOGRAPHICAL AMALIYIS (School of Burel and Surveying Engineering - Faculty of Engineering - Aristable University of Thessaloniki) in Greek Geodetic Reference System 19871, Scale of main map 1:12,500; Scale of Inset map 1:8,000 Desired by: Th. Titeli, Al. Koussoulakau, Y. Mitsias JUNE 2017 THESSALONIKI

ΣΥΜΒΟΛΙΣΜΟΣ

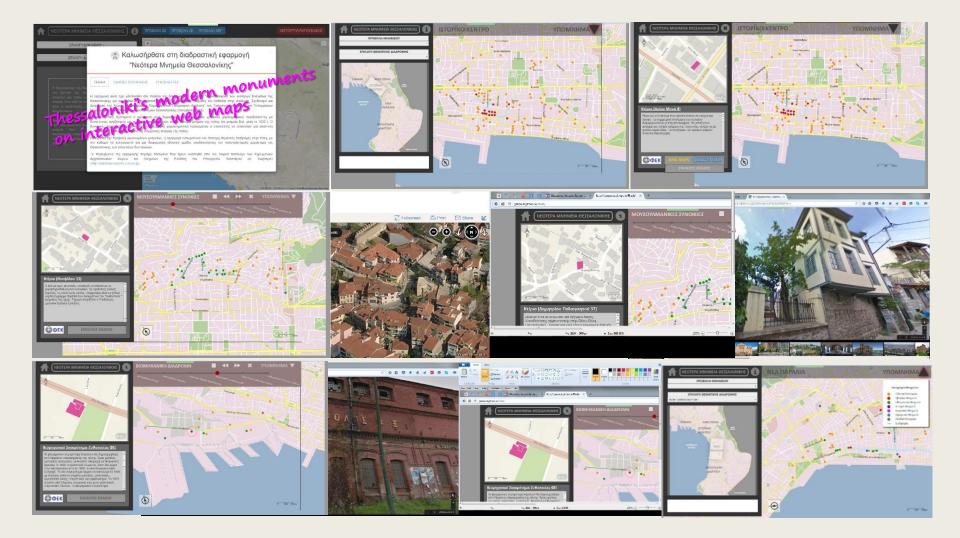
Η μεταγραφή των ελληνικών ονομάτων στη λατινική γραφή έρινε βάσει του προτύπου ΕΛΟΤ 743 (σε συμφωνία με το διεθνές πρότοπο 150 843).

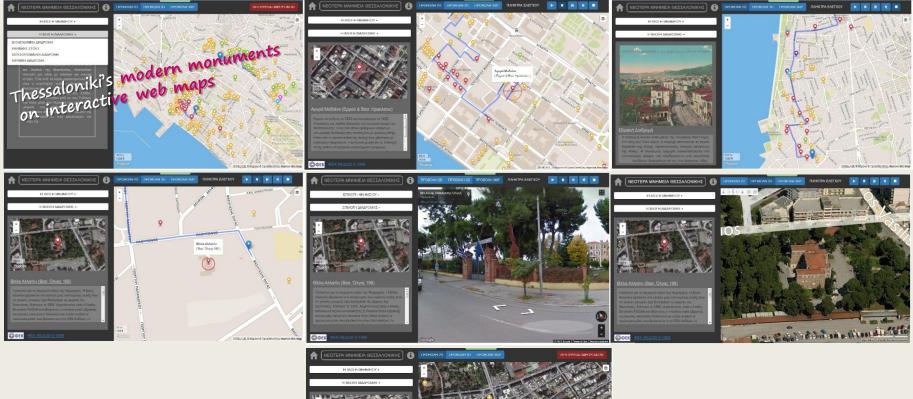
The transcription of greek names in latin script is according to ELOT 743 (following the ISO 843 international standard

Interactive web- map of bus lines & bus stops in Thessaloniki



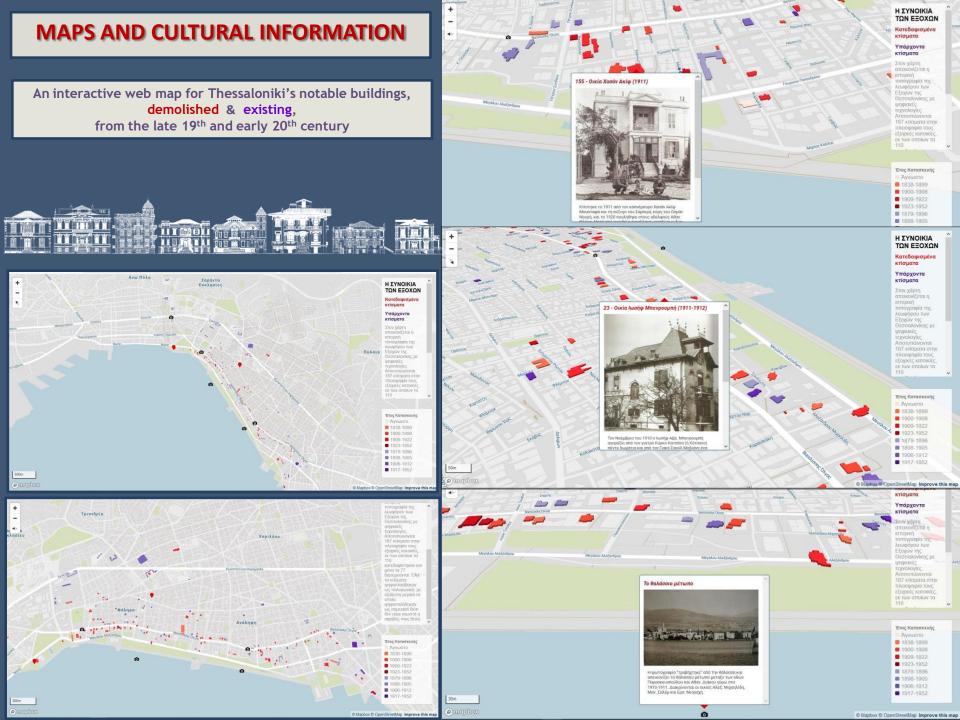




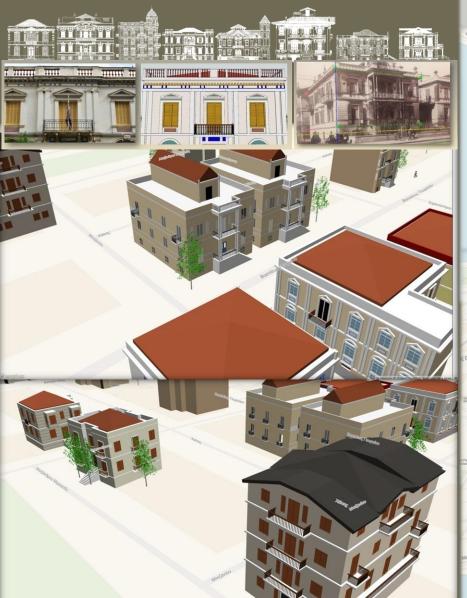








A 3-D web map for Thessaloniki's notable buildings, demolished & existing, from the late 19th and early 20th century





A 3-D visualization on Google Earth of Thessaloniki's notable demolished buildings, from the late 19th and early 20th century















