

# **Innovative Web-based Services and Applications in the Hellenic National Cadastre**

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**Key words:** Cadastre, Web Services, Map, IT, Greece

## **SUMMARY**

NCMA S.A. is the National Cadastre Company created in 1994 by the state to supervise the collection of topographic and legal information related to land parcel ownership, to serve as the legal custodian of this information for the general public, and to manipulate the Cadastre data, thus becoming the National Cadastre.

The first IT System was established in 2002 in order to support the working Cadastre at remote locations. Between 2007 and 2009, NCMA managed to successfully implement CSFIII IT projects regarding the development of powerful IT infrastructure for web-services including modern data center and disaster recovery center, powerful computational, infrastructure, large storage system and sophisticated network and security infrastructure.

In 2010 NCMA developed custom spatial APIs to support almost every spatial application of the cadastral projects, including the provision of services to third party. These services served over 300 million orthophotographs during the first year of operation.

In 2011 NCMA delivered in-house web applications for the suspension of Rights (new surveys) and the on-line submission of application for correction of erroneous data. Furthermore the company created in-house web applications for the suspension of forest map and on-line submission of objections for the first time in Greece.

NCMA continuously delivers web services to support citizens, professionals or contractors in every aspect regarding their relation with Cadastre with a goal to have a fully digital working Cadastre by 2018. All new Cadastre collection projects are already being fully supported by web services in order to have a unified and homogenized information database which has led to a great reduction in objection rates to an average of three per cent from an average of more than twenty five per cent.

## **BIOGRAPHICAL NOTES**

**George Mourafetis** was born in Athens at 23/4/1977, finished Kaisariani High school in 1995 and graduated as a surveying and rural engineer from National Technical University of Athens in 2000. His bachelor's thesis was distinguished as the second best of all engineers in Greece in that year. He got his Master degree in GeoInformatics in 2005 and started his PhD in 2012 regarding 5D Cadastre. He worked in the private sector in IT and GIS related projects from 1996 to 2002 when he joined Ktimatologio S.A. as a GIS Developer. In 2016 he became the Director of the IT, Products and Services division after serving as a GIS Manager and IT Deputy Director for six years respectively. He is certified in ITIL Intermediate in Service Operation and has had training in PMBok, ISO 20000, Business analysis and more. While in Ktimatologio S.A., the IT services that were designed and deployed under his supervision, were awarded several awards including (IT Excellence awards, Special Achievements in GIS Award from ESRI, etc).

## **CONTACT**

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