



## Mapping and the Citizen Sensor

# Minutes of Joint COST Action (24-25 April, Athens, Greece)

## Introduction

The Joint COST Action Meeting took place as a synergy of the COST Actions IC1203 “European Network Exploring Research into Geospatial Information Crowdsourcing” and TD1202 “Mapping and the Citizen Sensor”.

The aim of the meeting was to bring together researchers from both COST Actions that have an active interest on VGI and Spatial Data Quality so to discuss common challenges, ideas and future actions.

Members of the WG2 of IC1203 and WG3 and WG4 of TD1202 were invited to participate at this meeting as these WGs focus primarily to VGI and spatial data quality, mapping production and VGI uncertainty and map validation with VGI data. Moreover, local experts and researchers were also invited to attend the meeting as they could both gain from and contribute to the meeting and the open discussion took place during the meeting.

All the participants were requested to give a small present of their past, current or future work on the broad subject of VGI and Spatial Data Quality, so to state their research interests and provide valuable input to the rest of the participants. The presentations are available and will be published online in accordance to the instructions of the Chair of the IC1203.

The meeting took place in 24<sup>th</sup> and 25<sup>th</sup> of April at the Central Hotel in Athens, Greece.

## Participants

1. **Adelina Skopeliti** (National Technical University of Athens) - askop@survey.ntua.gr
2. **Antoniou Vyron** (Hellenic Army Geographical Service) - v.antoniou@ucl.ac.uk
3. **Basiouka Sofia** (National Technical University of Athens) - s.basiouka@gmail.com
4. **Bastin Lucy** (University of Aston) - l.bastin@aston.ac.uk
5. **Chorbev Ivan** (Faculty of Computer Science and Engineering) -  
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6. **Fonseca Alexandra** (Direção-Geral do Território) - afonseca@dgterritorio.pt
7. **Fonte Cidalia** (DGT, Center for Environmental and Sustainability Research) -  
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8. **Hatzichristos Thomas** (National Technical University of Athens) -  
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9. **Jokar Jamal** (University of Heidelberg) - jokar.arsanjani@geog.uni-heidelberg.de
10. **Lysandros Tsoulos** (National Technical University of Athens) -  
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11. **Nikolov Hristo** (Space research and technology institute) - hristo@stil.bas.bg
12. **Penev Petar** (UACEG) - ppenev@gmail.com
13. **Potsiou Chrysi** (National Technical University of Athens) - chryssyp@survey.ntua.gr
14. **See Linda** (IIASA) - see@iiasa.ac.at

## Program

At the first day, after a small welcome, all participants briefly introduced themselves and their interest in the subject matter of VGI and Spatial Data Quality. Next, a round of presentations took place from the participants that focused on their active or future research interest. The presentations continued also during the second day. The meeting continued with a Workshop on the challenges of VGI and concluded with an open discussion about the research challenges that the participants are facing. Below, there is a list of the subjects presented during the meeting. At the evening of the first day a social event took place.

**1st Day - 24/04/2014**

1. Vyron Antoniou:

*Welcome -Introduction*

2. Vyron Antoniou:

*Challenges and future of VGI*

3. Hatzichristos Thomas (President HellasGI):

*Welcome - HellasGI*

4. Andelina Skopeliti:

*VGI data from the cartographic perspective*

5. Peter Penev:

*On the Analysis and Assessment of Maps*

6. Linda See:

*The Geo-Wiki Project: VGI and Data Quality*

7. Cidália Fonte:

*VGI quality and map validation*

8. Lucy Bastin:

*History in spatial ecology*

9. Hristo Nikolov:

*Estimation of water dam area variations by means of multitemporal remote sensing data*

10. Ivan Chorbev:

*Visual mapping and analysis of user geographical data from social networks*

11. Jamal Jokar:

*VGI-related research activities in Heidelberg*

12. Alexandra Fonseca:

*VGI and SDI*

## **2nd Day - 25/04/2014**

13. Sofia Basiouka:

*Volunteered Geographic Information Use in Government*

14. Chryssy Potsiou:

*The potential of crowdsourcing in land administration*

### **Workshop – Empirical comparison of VGI and authoritative maps in Greece.**

A workshop took place during the second day of the meeting aiming to provide hands-on experience on the benefits and challenges that arise from VGI when compared to existing official (public or private) spatial data and mapping products. VGI data was downloaded from the Geofabrik.de<sup>1</sup> for Greece while authoritative data was provided through the Hellenic Cadastre WMS<sup>2</sup> which provides ortho-photo coverage for the entire Greece.

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<sup>1</sup> <http://download.geofabrik.de/europe/greece.html>

<sup>2</sup> <http://gis.ktimanet.gr/wms/wmsopen/wmserver.aspx?>

## **Outcome – Future Actions**

The outcome of the meeting can be summarized in the following points:

1. There is both a common and a complementary field of research among the Working Groups of the two COST Actions which enables co-operation and joint activities.
2. The co-operation of the two COST Actions should be continued and further strengthened.
3. A common review effort should be undertaken by the participants on the field of VGI and Quality
4. A common active research effort should be undertaken by the participants on the field of VGI and Quality
5. A future joint meeting will be considered.