

Workshop proposal for AfricaGEO 2018, to be held 17-19 September 2019 in Ekurhuleni

Title of the workshop

Collaborative custodianship through collaborative cloud mapping – Challenges and opportunities

Workshop Organizers (names, affiliation and contact information)

Serena Coetzee, Director: Centre for Geoinformation Science, University of Pretoria

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Prof Franz-Josef Behr, Co-Chair: ICA Commission on SDI and Standards Prof Peter Schmitz, Chair:

ICA Commission on Map Production and Geoinformation Management

Dr Markus Jobst, Co-Chair: ICA Commission on Map Production and Geoinformation Management

Scope and topics of the workshop (max 1 page)

Two Commissions of the International Cartographic Association (ICA), namely the Commission on SDI & Standards, and the Commission on Map Production and Geoinformation Management, are planning a joint pre-conference workshop on collaborative custodianship and collaborative cloud mapping, to be held on 14-15 September 2018 at the University of Pretoria. Collaborative custodianship refers to an arrangement where a number of custodians collaborate to produce a national SDI dataset, e.g. local authorities contributing address or street data to a national SDI dataset. Collaborative cloud mapping allows for ubiquitous convenient on-demand configured and tailor-made mapping with shared resources between various entities collaborating on a specific initiative such as an SDI or for disaster management.

The pre-conference workshop will introduce attendees to collaborative custodianship and collaborative cloud mapping through presentations demonstrations and case studies. Subsequently, challenges and opportunities for implementing collaborative custodianship through collaborative cloud mapping will be explored in discussions and work sessions.

We would like to present the results of the pre-conference workshop at the AfricaGEO 2018 workshop, focusing on the challenges and opportunities identified during the pre-conference workshop. The presentations will be followed by a 45-minute panel discussion on the topic. We propose to use sli.do (<https://www.sli.do/>) for interacting with the audience during the panel discussion.

Rationale (max 1 page)

- **Why is the topic current and important?**
According to the South African Spatial Data Infrastructure Act (No 54 2003), custodians may enter into a collaborative maintenance agreement to coordinate the regular updating of base datasets within an agreed period. The question is whether new technologies, such as collaborative cloud mapping, can be used to efficiently and effectively implement such collaborative maintenance agreements.
- **Why the workshop may attract a significant number of submissions of good quality?**
We do not ask for submissions.
- **Why the workshop may attract a large number of attendees, in addition to the authors?**
Mapathons are fun.
- **Why the workshop differs from others; i.e., related workshops and conferences of similar topic?**
We are not aware of any workshops that have been held on this specific topic

A short biography of the organizers (up to 100 words)

Serena Coetzee is Director of the Centre for Geoinformation Science (CGIS) at the University of Pretoria in South Africa. Her research focuses on the ever-increasing volumes of geographic information and the challenges of making these available, accessible and usable. Specific interests

are spatial data infrastructures, address data, standards, open principles, geoinformatics education and geovisualization. Serena is actively involved in standardization through ISO/TC 211, Geographic Information/Geomatics, and the local South African mirror committee. She currently chairs the CSI subcommittee on Education and Training.

Peter Schmitz holds a PhD in Geography and a BSc (Hons) degree in Geoinformatics. He is a registered professional Geographic Information Science practitioner in South Africa and an associate professor in Geography/GIS at UNISA. He is active in geospatial analysis and forensic geoscience ranging from cell phone mapping, forensic geomorphology to explosives detection. He is also active in logistics specializing in supply chains for spatial data. He is currently the Commission Chair of the ICA Commission on Map Production and Geoinformation Management. He presents at conferences and publishes in peer reviewed journals.

Names of potential participants, such as program committee members and invited speakers (indication that speakers accepted to participate is a plus)

The organizers of the workshop will present results of the two-day joint Commission workshop. This will be followed by a panel discussion.

Planned format of the workshop, including

- **Duration of the workshop: and tentative schedule**
 - **Preferred day of workshop:**
 - **Unique, creative and novel workshops formats are strongly encouraged**
- We propose a 90 minute workshop on any one of the three days of the conference.

A description of the publicity and promotion plan

The workshop will be announced on the mailing lists of the respective ICA Commissions and on the UP CGIS Events mailing list.

Workshop potential website address (if available)

Not applicable

If appropriate, a description of past versions of the workshop, etc. If a similar workshop has been organized at recent events, please state whether your proposed workshop is similar or different.

Similar workshops have not been conducted recently.