

# ILWIS & EO Community Publications

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## 2014

### Conference Proceedings

Mannaerts, C., Maathuis, B.H.P. & P.E. Budde (2014): Use of near real time Earth Observation data infrastructures and open source tools for Water Resources Monitoring and Assessment. In: Ames, D.P., Quinn, N.W.T., Rizzoli, A.E. (Eds.), Proceedings of the 7th International Congress on Environmental Modelling and Software, June 15-19, San Diego, California, USA. ISBN: 978-88-9035-744-2

### Conferences and Workshops

#### iEMSS

Mannaerts, C., Maathuis, B.H.P. & P.E. Budde (2014): Use of near real time Earth Observation data infrastructures and open source tools for Water Resources Monitoring and Assessment. 7th International Congress on Environmental Modelling and Software, June 15-19, San Diego, California, USA.

#### FOSS4G 2014

Lemmens, R. (2014): ILWIS, the next generation tool framework for GIS and remote sensing. [FOSS4G](#) 2014, September 8 - 13, 2014, Portland Oregon, USA.

#### AARSE 2014

Maathuis, B. (2014): AGRICAB - Enhancing African EO capacities for agriculture and forestry management as contribution to GEOSS. Keynote for the 10<sup>th</sup> International Conference of the African Association of Remote Sensing of the Environment. October 27 - 31, 2014, Johannesburg, South Africa.

## 2013

### Journals

Said, M.Y.,R. Becht, A.Kooiman, A.Shaka, & B. Su. (2013): Towards Near Real-time Convective Rainfall Observations over Kenya, using terrestrial Microwave Links and Meteosat Second Generation. Publication under review.

## Project reports

Mazvimavi, D., B. H. P. Maathuis, D. Kirugara & D. Fernandez (2013): Water Resources Management. Chapter for GMES and Africa Water Resources Management Programme. Submitted to EU, available at:  
[http://www.bragma.eu/home/files/GMESAfrica\\_WaterResourcesManagementChapter\\_Final.pdf](http://www.bragma.eu/home/files/GMESAfrica_WaterResourcesManagementChapter_Final.pdf)

Jacobs, T., C. Tote & B. Maathuis (2013): Training Impact Report. Deliverable D34.1 FP-7 Agricab project, 25-01-2013. Submitted to EU.

Maathuis, B. & T. Jacobs (2013): GEONETCast tools and user support. Tools for data processing, Deliverable WP22, FP-7 Agricab project, 2013-03-28. Submitted to EU.

## Conference Proceedings

### EGU 2013

Hoedjes, J., M. Said, R. Becht, S. Kifugo, A. Kooiman, A. Limo, B. Maathuis, I. Moore, M. Mumo, J. N. Mathenge, B. Su & I. Wright (2013): Towards Near Real-time Convective Rainfall Observations over Kenya. Geophysical Research Abstracts, Vol. 15, EGU2013-PREVIEW, 2013 EGU General Assembly 2013. April 7 - 12, 2013. Vienna, Austria.

### GEO EUROPEAN PROJECTS WORKSHOP

Mannaerts, C. & B. Maathuis (2013): GEONETCast Toolbox for Satellite Applications Development in GEO EU projects & Beyond. April 15-16, 2013. Barcelona, Spain.

### New Nile Perspectives Conference

A. Wale, A. Assefa, S. Seyoum, B. Maathuis & T.S. Steenhuis (2013): Comparison of Satellite Rainfall Estimation with the Ground Rainfall Observation Stations in the Lake Tana Basin, Ethiopia. New Nile Perspectives Conference. May 6-7, 2013. Khartoum, Sudan.

### Colloque International Géographie

Tia, L. B.H.P. Maathuis, C.M.M. Mannaerts & T. Jacobs (2013): Données géospatiales GEONETcast et résolution des tensions liées à l'espace en Afrique subsaharienne. Espaces et tensions en Afrique subsaharienne. Colloque International Géographie. November 11 - 13, 2013. Abidjan, Côte d'Ivoire.

### AfricaGIS

Maathuis, B. H.P. & C. M.M. Mannaerts (2013): ILWIS Open Toolbox plug-ins for efficient atmospheric, land and marine data retrieval and processing. AfricaGIS, November 2013, Addis Ababa, Ethiopia.

Jacobs, T., C. Tote, B.H. P. Maathuis, S. de Paula Pereira, F. J. Lozano, & L. Bydekerke (2013): From data access to enhancing remote sensing capacities for improved agriculture and forestry management in Africa: the AGRICAB project. AfricaGIS, November 2013, Addis Ababa, Ethiopia.

### Joint EUMETSAT/AMS Conference

Jacobs, T., C. Tote, B.H. P. Maathuis, S. de Paula Pereira, F. J. Lozano, & L. Bydekerke (2013): From data access to enhancing remote sensing capacities for improved agriculture and forestry management in Africa: the AGRICAB project. Joint EUMETSAT/AMS Conference, September 2013, Vienna, Austria.

## 2012

### Journals

Tote, C., Bydekerke, L., Jacobs, T., Gilliams, S., Herrero, M., Tychon, B., Korme, T., Maathuis, B., Domingos, P., Alfari, I., Ceccarelli, T., Boogaard, H., Diop, M., Situma, C., Tauacale, F., Trebossen, H., Mathieu, R., Bekele, S., Pereira, S. & F. Lozano (2012): The AGRICAB project: Developing increased Earth observation capacity for better agriculture and forestry management in Africa. GEO OBSERVER REVIEW, journal of CRTS (Royal Centre for Remote Sensing, Morocco).

### Book Chapters

Forkuor, G. and B. Maathuis (2012): Comparison of SRTM and ASTER derived Digital Elevation Models over two regions in Ghana. Implications for Hydrological and Environmental Modeling. In: Geomorphology. Chapter 9, pp 219-240. ISBN 979-953-307-113-7.

### Conferences/Papers

#### IGARSS 2012

Vekerdy, Z., Su, Z., Mannaerts, C., van Lieshout, A. & B. Maathuis (2012): Education and capacity building in earth observation for water-related applications in emerging economies. IEEE International Geoscience and Remote Sensing Symposium - Remote Sensing for a Dynamic Earth (IGARSS 2012). July 2012, Munich, Germany, manuscript nr. 5180.

# 2011

## Journals

Blok, C.A., Turdukulov, U.D., Zurita-Milla, R., Retsios, V., Schouwenburg, M.L. & M.T. Metaferia (2011): Development of an open - source toolbox for the analysis and visualization of remotely sensed time series. In: Cartographica : the international journal for geographic information and geovisualization, (2011) 46 pp. 227-238.

# 2010

## Papers

Maathuis, B., Mannaerts, M., Lemmens, R., Retsios, V. & M. Schouwenburg (2010): Coupling GEONETCast and the European Space Agency Data Dissemination System for Food and Water Security Monitoring in Africa. AARSE 2010 Conference, Addis Ababa, Ethiopia.

## Presentations

Coupling GEONETCast and ESA-DDS for Food and Water Security Monitoring in Africa, 9th Eumetsat User Forum Africa, Ouagadougou, Burkina Faso, September 28, 2010.

CMA data in GEONETCast and their import using the GEONETCast toolbox.

## Reports

C-Band Reception for GEONETCast and DDS Operational at ITC, ITC News 2010/1

DevCoCast Regional Land Training Workshops in Córdoba, Argentina, and Cachoeira Paulista, SP, Brazil, ITC News 2010/2

## Posters

GEONETCast and ESA-DDS for Food and Water Security Analysis (1)

GEONETCast and ESA-DDS for Food and Water Security Analysis (2)

GEONETCast toolbox

Found here: (<http://52north.org/communities/earth-observation/documents>)

# 2009

## Papers and Abstracts

Mannaerts, C. M., Maathuis, B.H.P., Molenaar, M., Lemmens, R. (2009): The ITC GEONETCast toolbox: a geo capacity building component for education and training in global earth observation & geo information provision to society. IGARSS 2009, July 12 - 17, 2009. Cape Town, South Africa.

Rob Lemmens (2009) Emerging issues in SDI. Invited seminar at K.N Toosi University, Nov 16, 2009. Teheran, Iran.

Lemmens, R., Maathuis, B. H. P., Mannaerts, C. M., Foerster, T., Schaeffer, B., Wytzisk, A. (2009): Web-based spatial analysis with the ILWIS open source GIS software and satellite images from GEONETCast. Presentation at AGU Fall Meeting, Dec 14 - 18, 2009. San Francisco, USA.

## Presentations

Lemmens, R., Schouwenburg, M., Alvarez, L. (2009): ILWIS, A modular, PC-based GIS & Remote Sensing software. Presented at FOSS4G, October 20 - 23, 2009. Sydney, Australia.

Schouwenburg, M. (2009): GEONETCast and ILWIS. Presented at the Open Source Park Forum; INTERGEO 2009, September 22 - 24, 2009. Karlsruhe, Germany.