TIGER-NET WOIS Training in Pretoria, South Africa

From the 13th to 17th of October 2014 a TIGER-NET Demonstration Workshop was provided for the South African Department of Water and Sanitation, hosted by the South African National Space Agency (SANSA) training facility.
The second cycle of TIGER-NET is devoted to the full transfer and demonstration of the Water Observation and Information System (WOIS) for operational water information retrieval, including the first processing capacity for Sentinel-1 observations.. The main focus was to teach and train the operation and application of the updated and newly developed WOIS workflows.
Three trainers of the TIGER-NET technical team prepared and implemented 5 full day comprehensive training units with presentations and hands on exercises in order to demonstrate the use of the WOIS for practical application in Water Resource Management.

Twenty participants of the TIGER-NET user organisations, namely the South African Department of Water and Sanitation (DWS), the Namibian Department of Water Affair (DWA), the Instituto Nacional de Meteorologia of Mozambique (INAM) and the hosting organisation SANSA actively participated in the training.

The workshop was opened by Rajah Carey, Director of Spatial and Land Information Management of DWS South Africa. The focus of the first training day was on the installation of the WOIS on all participants' computers, followed by a demonstration and training of the WOIS Product Group High Resolution Basin Characterisation. The day was closed by a social event, which were kindly initiated and organised by SANSA.

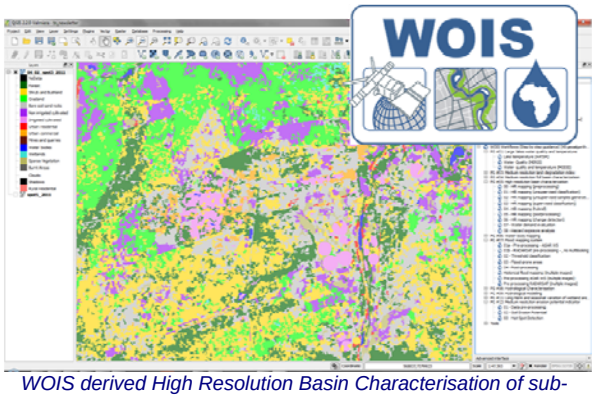
In the following days exercises dedicated to the WOIS processing chains were executed with a special focus on the requested components for:

- High Resolution Basin Characterisation
- Water Demand Mapping
- Flood Monitoring and Flood Vulnerability Assessment
- Hydrologic Modelling and Water Discharge Forecasting
- Hydrological Characterisation

A field trip on day four of the workshop was used to collect on-site GPS-Point data and ground truth image information. This information was directly applied in the training session in order to employ it as reference data for the High Resolution Basin Characterisation. By doing so the relation between the in-situ data and the satellite image derived land cover classification could be established and practically applied to perform the supervised classification the satellite data.

Participants and trainers of the second demonstration training at SANSA

The workshop was the third training in South Africa after the System Installation Training and the first Demonstration Training in 2013. A WOIS expert training of trainees' workshop will take place in May 2015 at ESA premises in Italy with all technical contact points of the WOIS host institutions.



WOIS derived High Resolution Basin Characterisation of sub-basin in South Africa

You can find information about the progress of WOIS and its satellite based water observation products online under www.tiger-net.org. The WOIS can be downloaded from http://www.tiger.esa.int/page_eoservices_wois.php.

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