

## In-situ data archiving for the GEOSS/AWCI, AfWCCI and WCRP/AMY on DIAS

Katsunori Tamagawa<sup>1\*</sup>, Tetsu Ohta<sup>2</sup>, Eiji Ikoma<sup>1</sup>, Hiroko Kinutani<sup>1</sup>, Misa Oyanagi<sup>1</sup>, Shizu Kanauchi<sup>1</sup>, Masaru Kitsuregawa<sup>3</sup>, Jun Matsumoto<sup>4</sup>, Toshio Koike<sup>2</sup>

<sup>1</sup>EDITORIA, The University of Tokyo, <sup>2</sup>Dept.Civil Eng., The University of Tokyo, <sup>3</sup>IIS, The University of Tokyo, <sup>4</sup>Dept. of Geography, Tokyo Metropolitan University

This is to introduce three types of international in-situ data archive research projects which are ongoing in Asia and Africa. The two are Global Earth Observation System of Systems (GEOSS)/Asian Water Cycle Initiative (AWCI), and African Water Cycle Coordination Initiative (AfWCCI) and the other one is World Climate Research Programme (WCRP)/Asian Monsoon Years (AMY) by using Data Integration and Analysis System (DIAS).

DIAS which was launched in 2006 as part of the Earth Observation and ocean Exploration System, provides cooperative opportunities for constructing GEOSS/AWCI, AfWCCI and WCRP/AMY data archives, and developing data integration and analysis functions (<http://www.editoria.u-tokyo.ac.jp/projects/dias/>).

The objectives of GEOSS/AWCI and AfWCCI is to develop an information system of systems for promoting the implementation of integrated water resources management (IWRM) through data integration and sharing and improvement of understanding and prediction of the water cycle variation as a basis for sound decision making of national water policies and management strategies. Currently the 18 demonstration basins from AWCI data are widely open to public through the DIAS and now archiving long term (historical data) from each demonstration basin, and two hydrological and meteorological data are archived from 2 AfWCCI river basins.

The long-term goal of WCRP/AMY is to improve Asian monsoon prediction for societal benefits through coordinated efforts to improve our understanding of Asian monsoon variability and predictability. The various kind of in-situ data are archived from 24 international projects. (<http://www.wcrp-amy.org/>).

The basis for the GEOSS/AWCI, AfWCCI and WCRP/AMY collaborative framework is the mutual consensus among participating countries, international organizations and individual participating and partner projects that defines data sharing and exchanging policy and responsibilities for data processing, management and archiving.

The purpose of this poster is to provide the introduction of the GEOSS/AWCI, AfWCCI and WCRP/AMY and their data archiving status which used data uploading system, data quality control system and metadata registration system under the framework of DIAS.

Keywords: DIAS, GEOSS/AWCI, GEOSS/AfWCCI, WCRP/AMY, in-situ data, Water Cycle