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In-situ data archiving for the GEOSS/AWCI and WCRP/AMY

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

The objectives of GEOSS/AWCI 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 (http://monsoon.t.u-tokyo.ac.jp/AWCI/) .

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 (http://www.wcrp-amy.org/).

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

The purpose of this poster is to provide the introduction of the GEOSS/AWCI 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: GEOSS/AWCI, WCRP/AMY, DIAS, in-situ data, Quality Control, Water Cycle