Datasets Exhibition

Convener:*Atsushi Higuchi(Center for Environmental Remote Sensing (CEReS), Chiba University, Japan), Qoosaku Moteki(Research Institute for Global Change, Japan Agency for Marine-Earth Science and Technology), Kei Yoshimura(Atmosphere and Ocean Research Institute, University of Tokyo), Hirotaka Kamahori(Meteorological Research Institute), Shintaro Kawahara(Japan Agency for Marine-Earth Science and Technology), Chair:Atsushi Higuchi(Center for Environmental Remote Sensing (CEReS), Chiba University, Japan)

Mon. Apr 28, 2014 11:00 AM - 11:45 AM  213 (2F)

This session’s first scopes is to enhance utilization of various datasets for the Earth environment by a cross-cutting way. Studies on observation data and its network, data rescue, data centers, data assimilation, good collaboration exercises, model development and its distribution, and visualization tools are encouraged to participate. We discuss on effective usage of the datasets, enhancement of collaboration, efficient feedback system, training and outreach activities, etc. The same name sessions were held in previous years and the participants are increasing. Therefore constructive and fruitful discussions are expected.

11:30 AM - 11:45 AM

Japan mosaic land-cover 0.01 degrees raster dataset

3-min talk in an oral session

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As one of basic information for numerical weather simulation, land-cover and land-use dataset is essential for initial condition. In Japan, MILT published land-cover information as tile and vector files. We mosaicked tile vector files into one raster (gridded) file dataset over Japan. Such mosaicked raster files are available for 1976, 1987, 1991, 1997 and 2009. We also made convert programs from original land-cover flag (number) into typical land surface model (SiB and SiB2) land-cover flag. We also try to explain how to utilize these dataset for the assessment of urban-green to reduce heat island without use of urban canopy model within the poster session core-time. To make the dataset, SALSA project under RECCA/MEXT supports our activity.