

Status Of Renewing Earth Observation Information System Into PC LINUX Environment

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Abstract:

Earth Observation Information and Data System (EOIS) is the system about data catalogue and browse search&order service and on-line data distribution, based in Earth Observation Center (EOC) Japan . Registered users can search and order the earth observation satellite products like LANDSAT, SPOT, JERS, ERS, MOS, ADEOS, TRMM, AMSR-E/Aqua and ADEOS-II.

Spending 2 years between 2002 and 2004, Information Service System, (ISS) , user service subsystem of EOIS, was integrated, under PC LINUX environment, from Data Retrieval Subsystem (DRS), Catalogue Subsystem (CATS) and EOIS user interface software (EUS) , which worked under UNIX environment.

This release of ISS aims for decreasing operation cost by adopting LINUX, improving usability by changing GUI and developping on-line distribution service.

This paper presents overview about the design of ISS, the lesson learned identified through the renewal, and future work based on user evaluations.