

MGI016-P03

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Asia Cryosphere Web Site : Asia Cryosphere Data Archive Project

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This project is getting ready for web site, which aim is data archive, quality control and to open these data. Its focus area is mainly Asia cryosphere. The object for archive is in-situ data of snow and ice, such as ground observation, snow cover, permafrost, glacier, aerological observation, hydrologic measurement, lakes, photo and documents of snow and ice. Besides, some products are intended. The tentative open is Feb. 2010, progressing with their registration one by one. We defined new metadata scheme based on our obtained archives in the first step of development. This metadata was written in Extensible Markup Language (XML), which is able to mutual usage on internet.

Our web site data was classified into four types such as in-situ, photo and image, aerological and grid. These types treat permission of catalog-view, quick look and download when user accesses each dataset. Also, in metadata, coarse-grained data includes fine-grained data. This device is suitable for in-situ observation including some stations.

Next step are to expand data. In behalf of its realization, we regard below things as important. 1) To find an overseas counterpart as a collaborator. 2) To develop metadata input system which the counterpart can use easily. 3) To cooperate in feedback between data provider and server administrator. We would like to discuss about these points on that day.

As regards collaboration with another project, part of the data is related with Asia Climate and Cryosphere (Asia CliC), developed product from observation data will be supplied to Data Integration & Analysis System (DIAS).

Keywords: cryosphere, metadata, grain, Asia CliC, DIAS