



Satellite data curation at KNMI

Wim Som de Cerff, Bert van den Oord, and John van de Vegte

Royal Netherlands Meteorological Institute, R&D ICT & Sensor Technology, De Bilt, Netherlands (sdecerff@knmi.nl)

KNMI has a long experience in running and publishing Satellite data. Examples are the Netherlands Sciamachy Data center, in which GOME and Sciamachy data are made available on a unique pixel scale, the OMI Dutch processing site, which is part of the NASA EOS Aura processing facilities, and EUMETSAT SAFs (O3M SAF, Nowcasting SAF, and O&SI SAF).

Products created in these facilities are archived within KNMI but often rely on project related finances that run for the duration of a satellite mission. To ensure future curation the important products KNMI has started the KNMI Satellite Data Center initiative. This initiative has two main goals: 1) long term archiving of Dutch satellite data products; 2) reprocessing capabilities of older collections; 3) ability to match the needs of upcoming missions like TropOMI, MTG.

The KNMI Satellite Data Centre will engage to become a node in larger infrastructure initiatives (GEOSS, GMES, INSPIRE). This will be possible by using defined ISO/OGC standards for metadata and services.

The Satellite Data Center initiative is started in 2010 and will be operational in 2 years.