

## **DLR Global SnowPack – Possible Applications of the Near Real-Time Product**

SEBASTIAN RÖBLER<sup>1</sup> AND ANDREAS DIETZ<sup>1</sup>

### **ABSTRACT**

For over 20 years, the MODIS sensors on Terra and Aqua have been providing data on global snow coverage. The daily data provided by the National Snow and Ice Data Center (NSIDC) (currently in version 6.1) is already of very high quality and serves as input data for the DLR Global SnowPack processor. There, remaining data gaps (e.g., due to clouds or polar night) are filled in four interpolation steps and cloud-free data is thus provided daily. So far this has only happened retrospectively after the end of a hydrological year (end of the meteorological summer). This data is now made available daily in near real-time with a time lag of 3 days in the EOC GeoService Portal. This enables the use of this data in time-critical issues, such as with regard to flood hazards. At the conference we will present the product, the access options, and possible applications.

---

<sup>1</sup> German Aerospace Center, Oberpfaffenhofen, Germany