

Session discussion report for Land Snow & Ice

Chair: Gopalan Venkataraman Indian Inst. Of Tech.
Bombay

Co-Chair: Masamu Aniya Univ. of Tsukuba

Nov. 21 '07 @ Room 103

Presentations

- LSI01) P. Bolon

Monitoring alpine glaciers with ALOS SAR and optical data

- LSI02) G. Venkataraman

Snow cover monitoring and snow density estimation using ALOS-PALSAR data

- LSI03) J. Shi

Mapping snow cover with ALOS PALSAR instrument

- LSI05) M, Aniya

Studies on glacier mass balance and dynamics, snout variations and detection of the glacier surface conditions, Patagonia Icefield, South America, using ALOS data

- LSI06) R. Jilani

A study on glaciers in northern Pakistan

- LSI07) Qinghua Ye

Application of ALOS data to study alpine glaciers/ices on Tibetan plateau

Discussion (1/2)

- Observation requests for common test sites
 - Some sites are needed to be specified for intense observation.
 - Database for sharing information.
 - Join test sites of other satellite missions will be useful.
 - Super sites that is covered by airborne experiments are best choice.
 - Networking among the PIs may be useful to identify more representative test sites.
- Observation modes requirements
 - SAR data in descending passes.
 - PALSAR in Polarimetry
 - Increased incidence angle.
 - List of polarimetry signatures.
 - PALSAR In-SAR is feasible.
 - AVNIR-2 is also needed.

Discussion (2/2)

- Software requirements
 - DEM generation tool for ALOS/PRISM.
 - PALSAR local incidence angle calculation tool for terrain correction.
- Other
 - PIs who joined ALOS program to second announcement may be considered to request future data in program.