

Summary of Discussion

# **SAR Polarimetry**

Kostas Papathanassiou DLR, Germany

Motoyuki Sato Tohoku Univ., Japan

# **1. Request for data acquisition**

- Radar Polarimetry has shown many good scientific application results.
- Qualitative interpretation is important in polarimetry. Validation is required
- We need possibilities to transfer results from L1.1 level data to a geo-reference coordinate system.

# 1. Request for data acquisition

- Demand to Polarimetry data is very high
- However, only 7% is polarimetry data acquisition; Is it enough?
- We need more “systematic” polarimetry data acquisition.
- There will be “more possibility in the post operation mode?”

# 2. Tools

- Different level of maturity tools are available, practical use/ interface to ALOS PALSAR data has to be emphasized (RAT, POLASPRO etc.)
- Tutorial session at the next ALOS PALSAR PI Meeting has been proposed
- Prepare demonstration POL data sets, not only images
- “How to do” guide for interferometry at Level 1.1 data is important to increase the number of users

### **3. Application of radar polarimetry**

- Demonstration of radar polarimetry outside the polarimetry community is needed.
- Tutorial session will be effective
- IEEE GRSS web tutorial video, Book series
- JAXA web demonstration