

**→ POLINSAR 2013**

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# Applications of SAR Polarimetry on Land: Agriculture, Urban, Archeology

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# Agriculture

- Considering the experience accumulated so far, which are the key products for end-users and which ones can be successfully retrieved?
- Which polarimetric configuration meets better the requirements from the end-users? Is compact-pol enough?
- Benefits from time series vs benefits from polarimetry?
- Is there any potential contribution from interferometry and PolInSAR? If so, which would be the required configuration?
- Do current techniques (decompositions and algorithms) satisfy the required accuracy for agriculture products? Do we need new developments in theory, e.m. modelling or data processing for agriculture applications?

# Urban

- What are the key applications in urban context and what are their maturity ?
- Which resolution is required for them ? At which frequency band ? Is there a compromise to find between resolution and frequency?
- Benefits from resolution vs benefits from polarimetry?
- Do we need new developments in e.m. modelling for understanding and satisfying applications?
- Do we well understand HV in urban ?

# Archeology

- What is the specific role of polarimetry in this application?