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Regional Scale Interferometric Applications

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submissions:

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Message from the Guest Editors

Advanced synthetic aperture interferometry (A-DInSAR) is considered a consolidated tool for ground motion detection and monitoring. A-DInSAR products begin to be not only a post-event tool or a support and validation for local scale or single-phenomenon monitoring activities. In fact, the evolution of interferometric applications follows the increasing demand for ground deformation mapping over large territories (municipalities, regions, nations), showing where and how something is moving. This is not only a requirement for setting up long-term hydrogeological risk plans but also for proper funding allocation.

We welcome papers regarding:

- Wide area interferometric applications;
- New processing strategies for the management of large stacks of interferometric products over wide areas;
- New tools and methodologies for extracting reliable information from a large stack of interferometric data;
- New tools and methodologies for data interpretation at regional scale;
- Technical notes about the correct use and dissemination of interferometric products at regional scale.



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