Large-scale spatial and temporal interferometry in the MUSCATE/Form@ter processing chain. Status of PEPS processing

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Résumé

As Data and Services Infrastructures of THEIA, MUSCATE has been designed to automatically acquire and process a wide range of high resolution satellite images (from SPOT 1 to 5, LANDSAT 5-7 and 8, and SENTINEL-2) in order to elaborate and distribute value added products (L1C, L2A, L3...) covering France territories and worldwide areas of interest. In this context MUSCATE is now operationally used on CNES Computing Centre to process and distribute up to 1600 products a day.

Beyond this objective, it has been envisioned to open MUSCATE to wider collaborations.

In this context, CNES proposed to Ister and to Form@ter community to integrate NSBAS processing chain to tacle large amount of Sentinel1 interferometric data spreading over several years in order to retrieve the slowest motions of terrestrial crust.

Based on PEPS archive for data retrievement, other possibilities of treatment on the shelf will also be presented.

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