T-IMAGE

Aerial and satellite imagery is a valuable source of information for the demining process. To ensure a reliable use of this type of imagery, rigorous pre-processing steps are required for preparing the data and enhancing their quality and accuracy.

In the frame of the TIRAMISU project, NOVELTIS implemented several advanced tools for the pre-processing of satellite and aerial images. These tools rely on the latest scientific advances and cover all the data pre-processing cycle for different remote sensing instruments: geometric corrections (geo-referencing, ortho-rectification, co-registration), radiometric corrections (calibration and normalization), atmospheric corrections, pan-sharpening and mosaicking.

Based on these advanced tools, NOVELTIS offers to the end-users from the demining community reliable, fast and accurate image pre-processing services dealing with any type of remote sensing data.

Example of raw satellite images acquired over a region of interest in Croatia

After geometric corrections and mosaicking

After radiometric and atmospheric corrections

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