

Investigating river changes from satellite images: a case study

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The recognition of changes in river pattern and vegetation changes requires simultaneous information at different points and at different times and field studies are still difficult and scarce. The present work, explores the possibility to conduct a first-step pattern changes analysis by identifying the evolution of the morphological features and taking information of islands and vegetated patches from satellite images easily available from Google Earth. The study is conducted by considering the Tagliamento River, in Italy, as study case and by combining the information taken from both the satellite images and the field photos and the hydrological data.