

HYDROLOGY

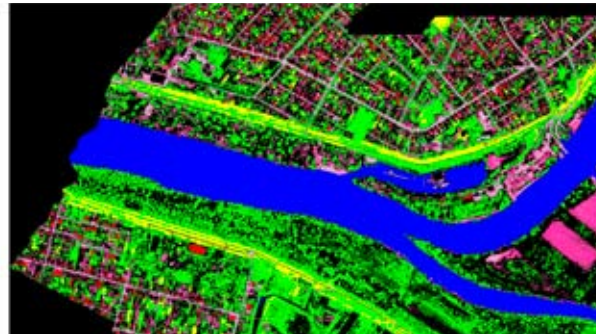
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ISTITUTO NAZIONALE
DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE

The town of Szeged, Hungary, has been several times flooded by the river Tisza. As a participant of the project Enhygma financed by the European Commission, OGS utilized AISA Eagle hyperspectral sensor to carry out a research on the area. The hyperspectral information obtained is a valuable tool for hydrological studies and risk assessment

-  Unclassified
-  Vegetation
-  Bare
-  Building
-  Roads
-  Grass
-  Water



Land cover map, valuable in the computation of a hydraulic model



Normalized Difference Vegetation Index (NDVI) can be applied to estimation of water content in the terrain and assisting in the computation of risk maps



True colors mosaic