GEOclassifier

Remote sensing toolbox for segment-based Land Use/Land Cover and Change monitoring

Available as standalone and ArcGIS integration: The Land Cover Toolbox contains functions for segmentation, classification & change mapping.

- Geometric correction
- Radiometric adaptation
- Index calculation (e.g. NDVI, MNDWI)
- Image segmentation
- Supervised segment based classification (Land Use / Land Cover mapping)
- Change / no-change masking
- Change labeling
- Analysis of classification and change results
- Indicator calculation

Delivered with:
- User manual
- Training and capacity building
- Support and technical assistance
- On-site installation

GEOclassifier is used in 15 countries in Northern Africa, Europe and Middle East.
Through the eyes of Jena Spaceborne Scanner JSS 56 onboard of RapidEye. Composed of five identical Earth-observation satellites this worldwide unique constellation, is equipped with one multi-spectral imager from Jena-Optronik on each satellite.

The imager of Jena-Optronik enables the precise data acquisition of an 77 kilometres wide strip of land with a pixel size of 6.5 metres out of 630 kilometres orbit height. The RapidEye data is used for the mapping with Geo-Classifier.

Contact for software support
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Available as standalone and ArcGIS integration:

- Quick installation without administrator rights
- Available for Windows 7 and XP, ArcGIS 9.3 and 10.x
- Available Training program - easy to learn
- Large area processing – transfer of land cover signatures, workflow integration and batch capability
- Wide usability for all land cover applications
- Support of free available data for cost effective status and trend mapping
- Specific extension for wetland monitoring

Fully integrated into ArcGIS environment.

- ArcGIS Toolbox menus
- Backup of parameter settings
- ArcGIS Tool help:
  - detailed description of all parameters, tool tips
- Command line input
- Batch processing capability
- ArcGIS modeler support
- Progress and status information
- Comprehensive error and warning messages