

Landforms recognition

Landslide, gully erosions, dunes,

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How we are doing an image clasification?

recognize different class of covers

- we are using just one data source - satellite images: multispectral, SAR, hiperspectral
 - based of different algoritms: supervised and unsupervised

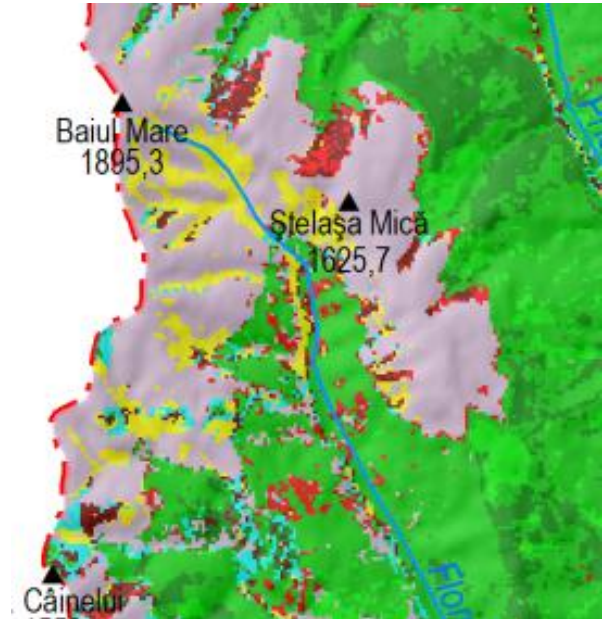
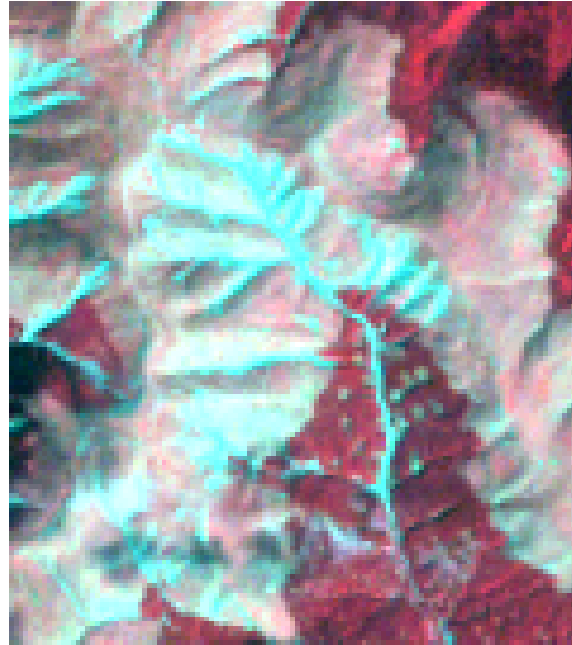
identified different objects - based on rules

- we are using just one data source - satellite images: multispectral, SAR, hiperspectral
 - object – oriented image analysis

And how are the results?

- **In image classification:**

- very good for land cover delineation
- unsatisfied for small classes- due to common spectral response



- **satisfied for object-based image classification**

- For an object with a particular shape (for example a car)

Subjects of interest

- Integrate in the classification other types of data – more complex rules can be defined
 - Native data having influence on the phenomena being analyzed: elevation model, slope,...so on
- Integrate data with different spatial resolution

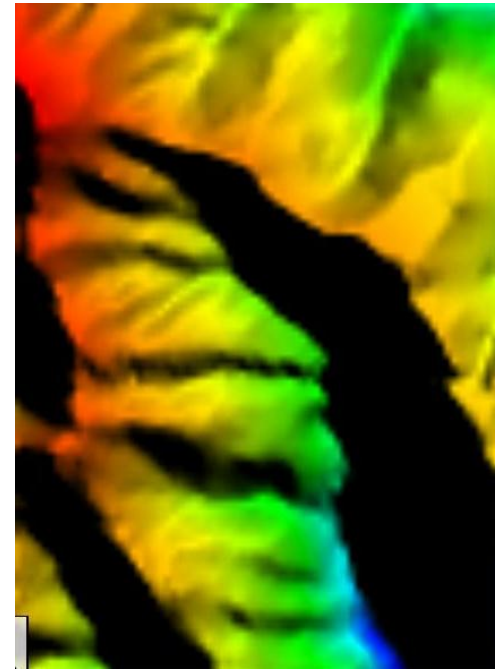
❖ But what is happen if will brings data with different temporal resolution?
- we need other rules ?, and other samples?



Orthoimage KH-9



optical image



DEM