

GUIDOS

GuidosToolbox (Graphical User Interface for the Description of image Objects and their Shapes) contains a wide variety of generic raster image processing routines, including related free software such as GDAL (to process geospatial data and to export them as raster image overlays in Google Earth), and FWTools (pre/post-process and visualize any raster or vector data). All tools are based on geometric principles and can thus be applied at any scale and to any kind of raster data. GuidosToolbox also includes MSPA (Morphological Spatial Pattern Analysis), a customized sequence of mathematical morphological operators targeted at the description of the geometry and connectivity of the image components. MSPA features and application examples are described on the MSPA-website (<http://forest.jrc.ec.europa.eu/download/software/guidos/>).

GuidosToolbox is an open-source application, developed with European Union funding, and is free of charge.

Structure of the e-learning course

The e-learning course is structure as follows:

- This introduction to the course
- An introduction to GUIDOS GWS1_Introduction.ppt
- A theoretical presentation on MSPA (Morphological Spatial Pattern Analysis) GWS2_MSPA.ppt
- A presentation on GUIDOS' features GWS3_Features.ppt
- A presentation on GUIDOS' examples GWS4_Examples.ppt
- 2 video tutorial including:
 - o Overview of GUIDOS
 - o The use of the GUIDOS software
- A detailed manual for reference
- Relevant publications on GUIDOS