

Curso 9 - GuidosToolbox : Analise digital de imagens para detecção de padrões, conectividade, fragmentação, entre outros. (*GuidosToolbox: digital image analysis for detection of patterns, connectivity, fragmentation, and more*).

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Idioma: Inglês

Vagas: 30

Natureza: teórico/prático (A parte prática consiste em exercícios e demonstrações feitos somente pelo Professor. Não serão fornecidos computadores para os alunos. O aluno que desejar pode levar o seu próprio laptop.)

Resumo: The [GuidosToolbox software](#) includes a wide variety of generic image processing routines for the analysis of raster image data. Morphological Spatial Pattern Analysis ([MSPA](#)) classifies the shape and connectivity of image objects, which can be transformed into a network setup for further examination with graph-theory software (Conefor). Further routines are available for the quantitative assessment of fragmentation, change analysis, Landscape Mosaic, and Influence Zones. Additional tools within GuidosToolbox address generic image analysis and batch processing, which can be employed for a wide variety of pre- and post-processing tasks, as well as data publishing in GoogleEarth. This course will provide an overview leading to the motivation for new ways of image object analysis and use sample data of forest maps to illustrate the use and added value of these routines.