

Spatial Variability of Environmental Variables and Mapping Methodologies

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PROGRAM 27-29 April 2020 (online lessons using WEBEX platform)

Monday 27

9:30-12:30

- Spatial variability of environmental variables: causes (anthropic and natural) and effects.
- Introduction to spatial data processing: methods of assessing and mapping environmental variability.

Tuesday 28

9:30-12:30

- Basic concepts of univariate and multivariate geostatistics.

14:30-17:30

- Computer session on geostatistics: variogram modelling and production of thematic maps of soil parameters.

For PC session will be used ISATIS.Neo.

Wednesday 29

9:30-12:30

- Basic concepts of geomorphometry.
- Case study on soil erosion mapping using geomorphometric variables and discriminant analysis.

14:30-17:30

- Computer session on geomorphometry: deriving of geomorphometric variables from DEM and production of thematic maps of soil parameters.

For PC session will be used QGIS, SAGA and MATLAB.

For registration contact: prof. Roberto Comolli (roberto.comolli@unimib.it)