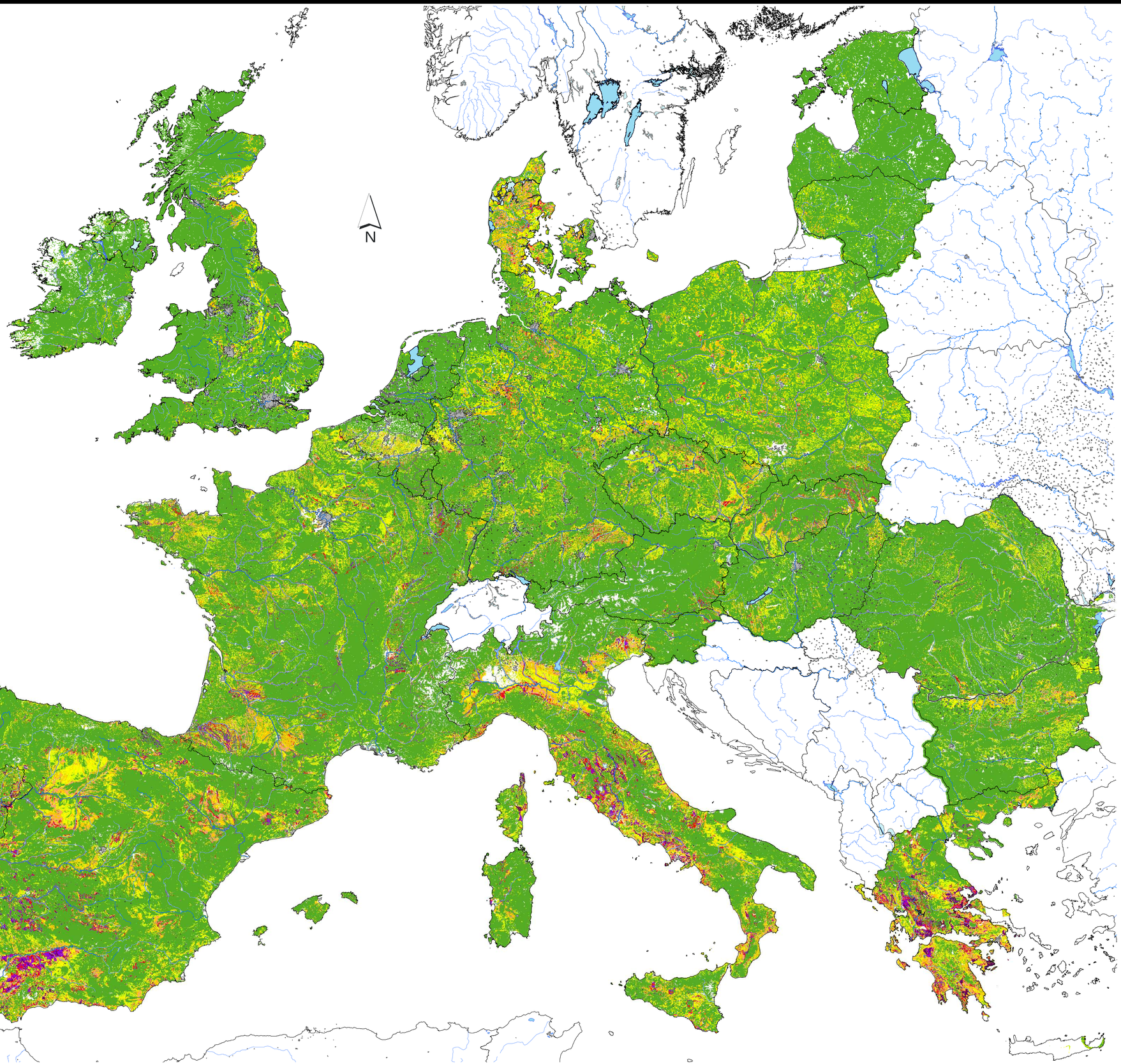
Estimated Soil Erosion Map for Europe - 2000



Rate of soil loss

(t/ha/yr)

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 5
- 5 - 10
- 10 - 20
- 20 - 50
- >50
- Country boundary
- Rivers (large)
- Rivers (medium)
- Lake (large)
- Major water
- Urban

The updated soil erosion risk assessment map shows the estimated sediment loss from soil erosion by water based on a model that combines soil property data with information on climate, land cover and topography (altitude, slope angle, etc.) for river basins across Europe. In this study, CORINE Land Cover 2000 data were used to update the previous soil erosion estimates developed by the PESERA project using CORINE Land Cover 1990. This map of new risk assessment can be used to evaluate the changes of soil erosion that occurred due to land use change over a decade in Europe.

MAP INFORMATION

Spatial coverage : Austria, Belgium, Bulgaria, Czech republic, Denmark, Estonia, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, The Netherlands, United Kingdom.

Pixel size: 1km
Projection: Lambert Azimuthal Equal Area
Temporal coverage: 2000 (January to December)

Input data - source
Climatic data - MARS Database
Soil data - European Soil Database
Land use - CORINE Land Cover 2000
Topography - GTOPO30

Model used : PESERA - version 103

BIBLIOGRAPHIC INFORMATION

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Digital datasets can be downloaded from http://eusoils.jrc.ec.europa.eu/

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