EEA geospatial data catalogue

European catchments and Rivers network system (Ecrins)

The aggregation of European catchments and Rivers network system (Ecrins) id a geographical information system of the European hydrographical systems with a full topological information. It is organised from a layer of 181,071 “functional elementary catchments (FECs)” which average size is ~62 km2, fully connected with explicit identifier (ID) relationships and upstream area. Catchments are grouped as sub-basins, river basin districts (actual and functional to meet hydrographical continuity).

The catchments are as well organised according to their sea shore of emptying to meet Marine Strategy delineations. Catchments are drained by 1,348,163 river segments, sorted as “main drains” (connecting together the FECs) and secondary drains (internal to a FEC). river segments mimic the natural drainage, however fulfilling the topological constraint of “0,1 or 2 upstreams, single or 0 downstream”. Each segment is populated with distance to the sea, to ease further processing. They are connected to elementary catchments and nodes documented with altitude.

Simple

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EEA Management Plan	• 2012 1.4.1
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Keywords	
EEA topics	• Water
GEMET	• hydrography
GEMET - INSPIRE themes, version 1.0	• Hydrography
Spatial scope	• European
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Topic category	• Inland waters

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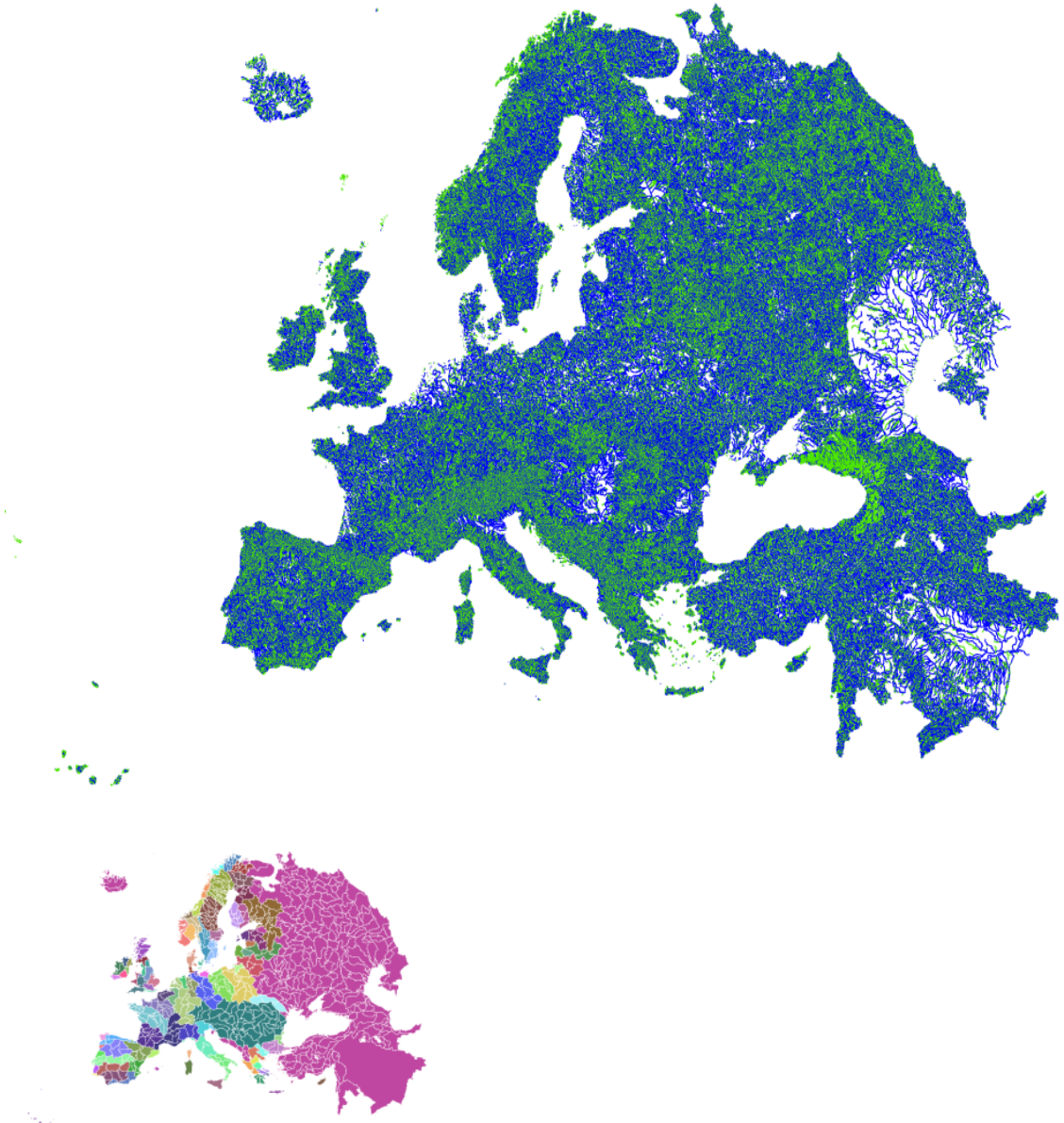


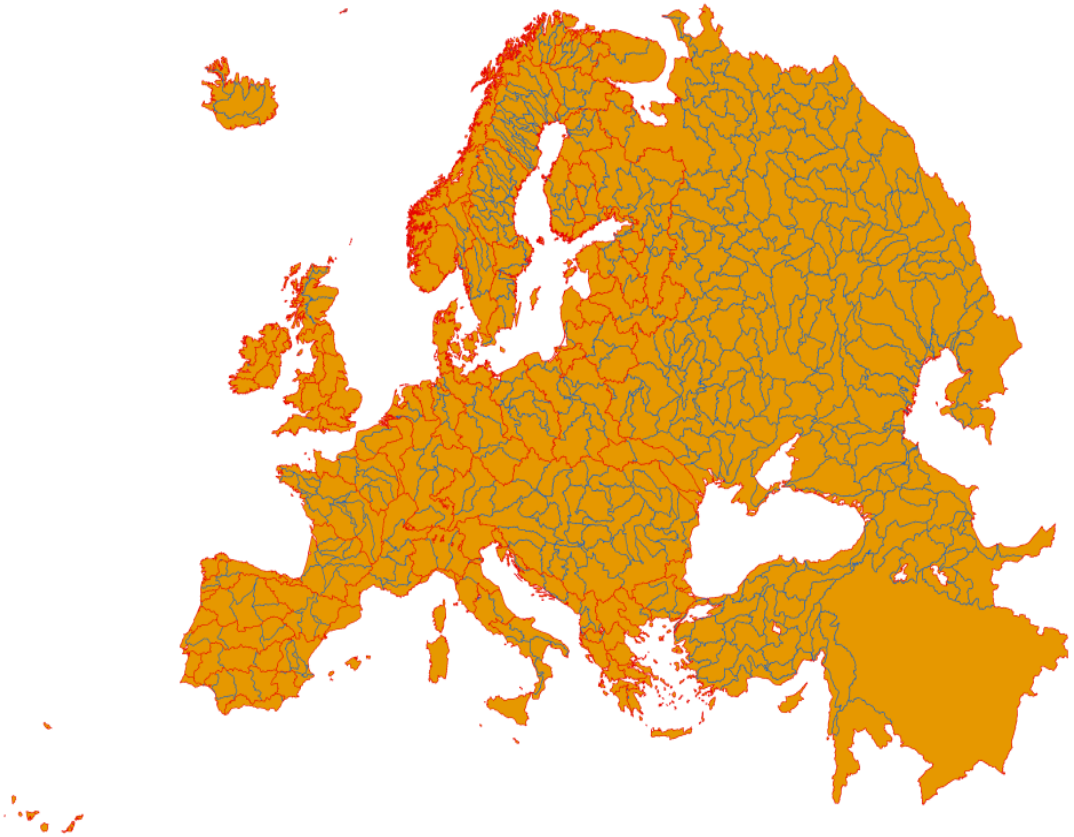
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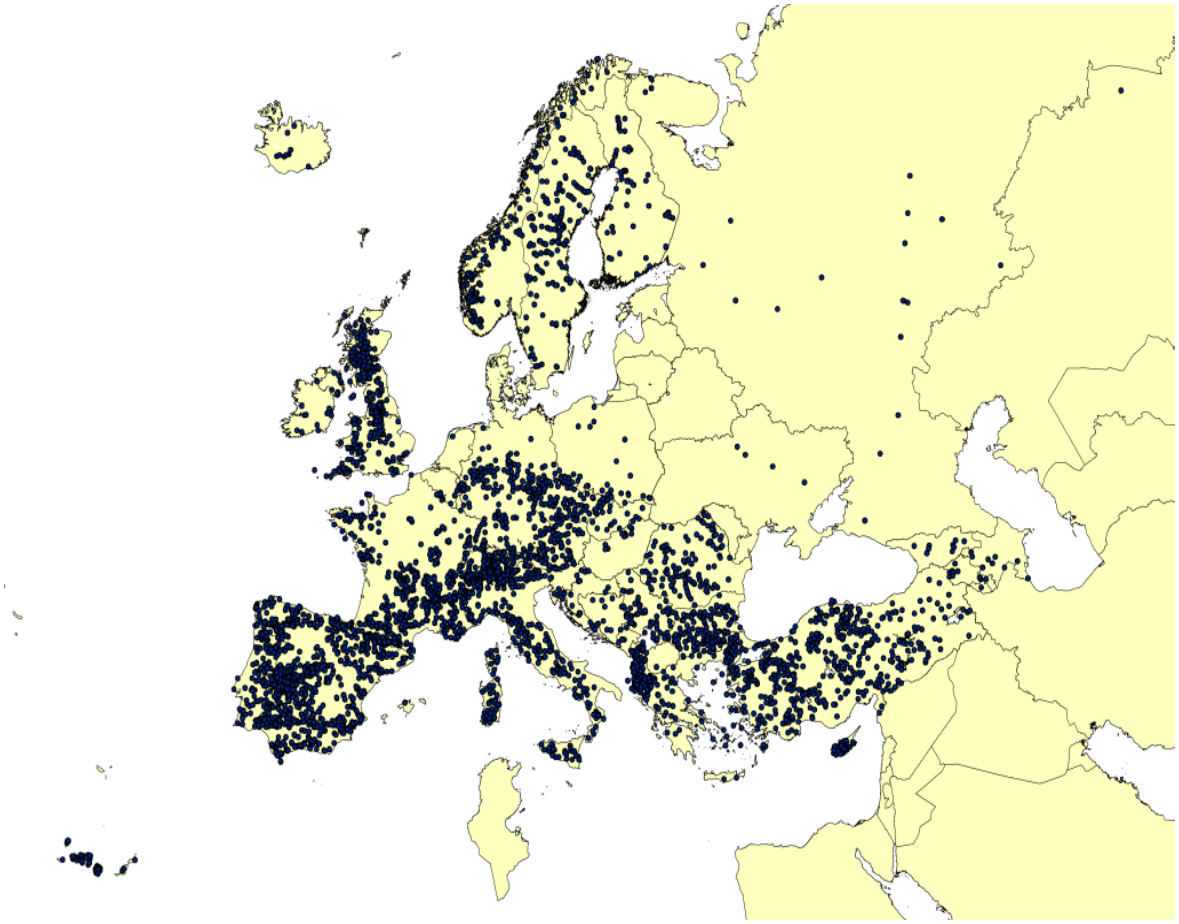
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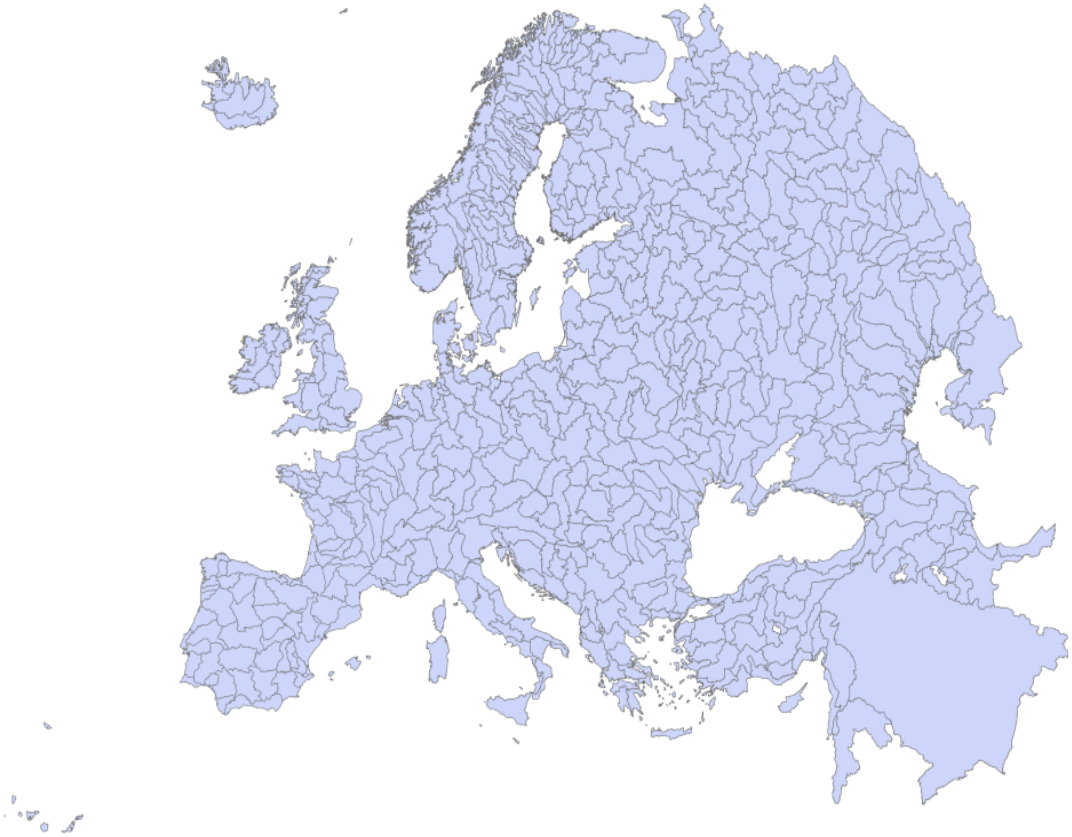
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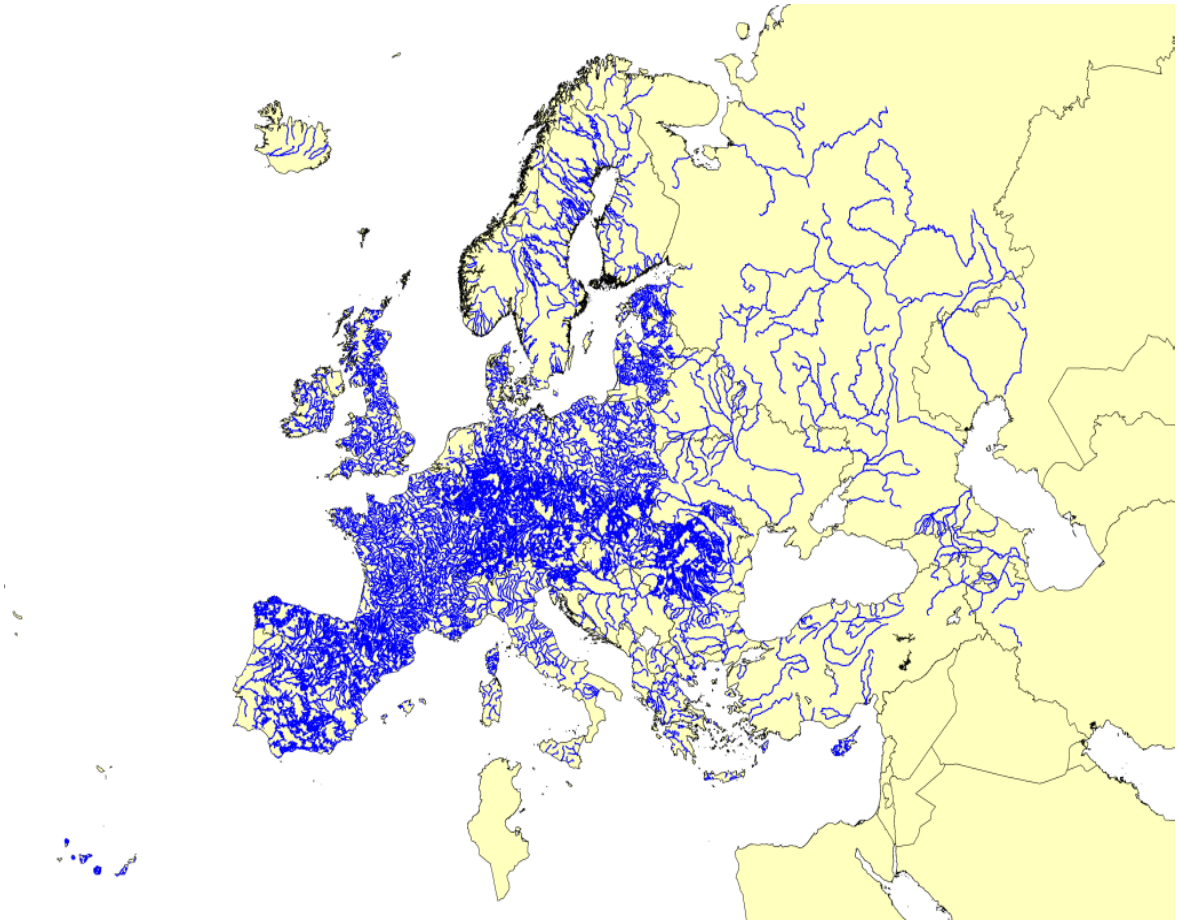
Overviews

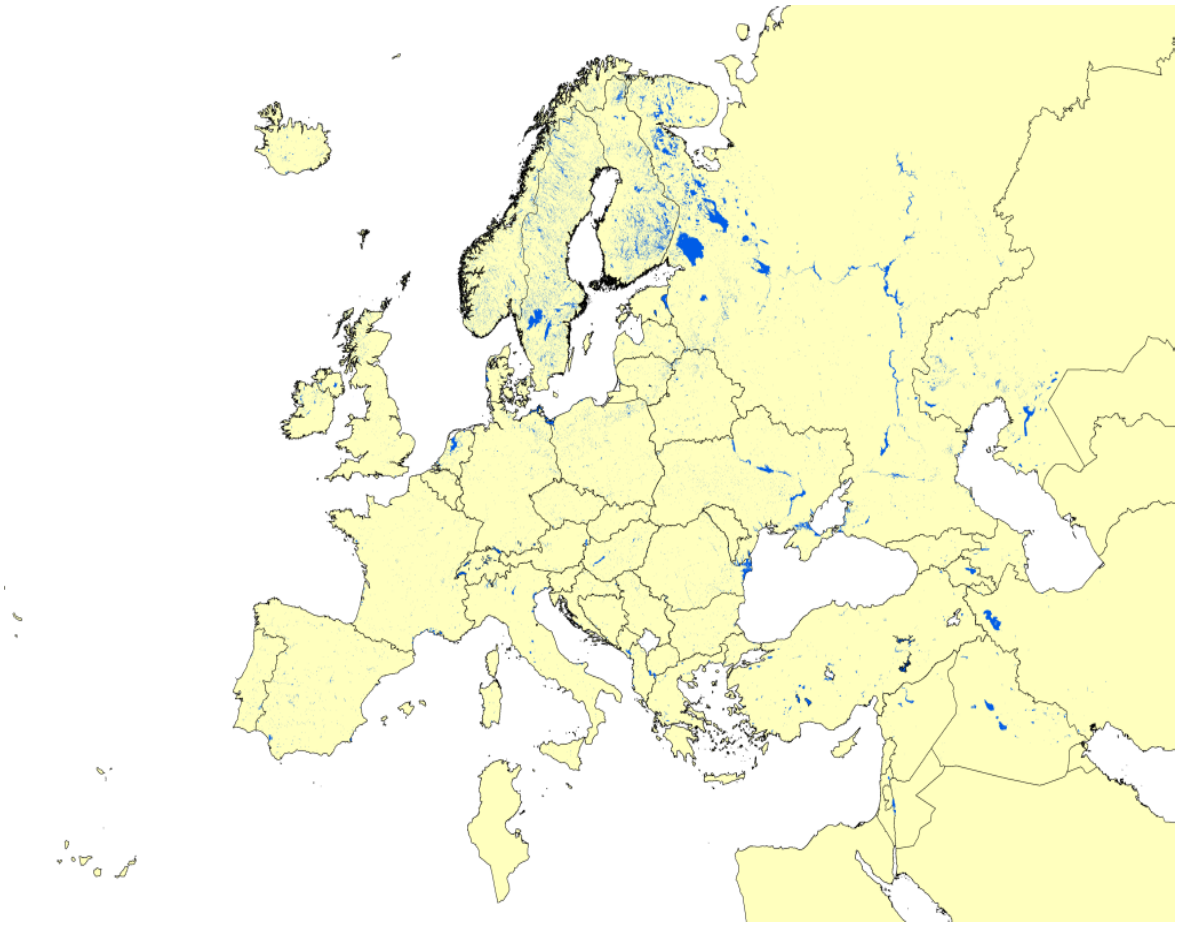


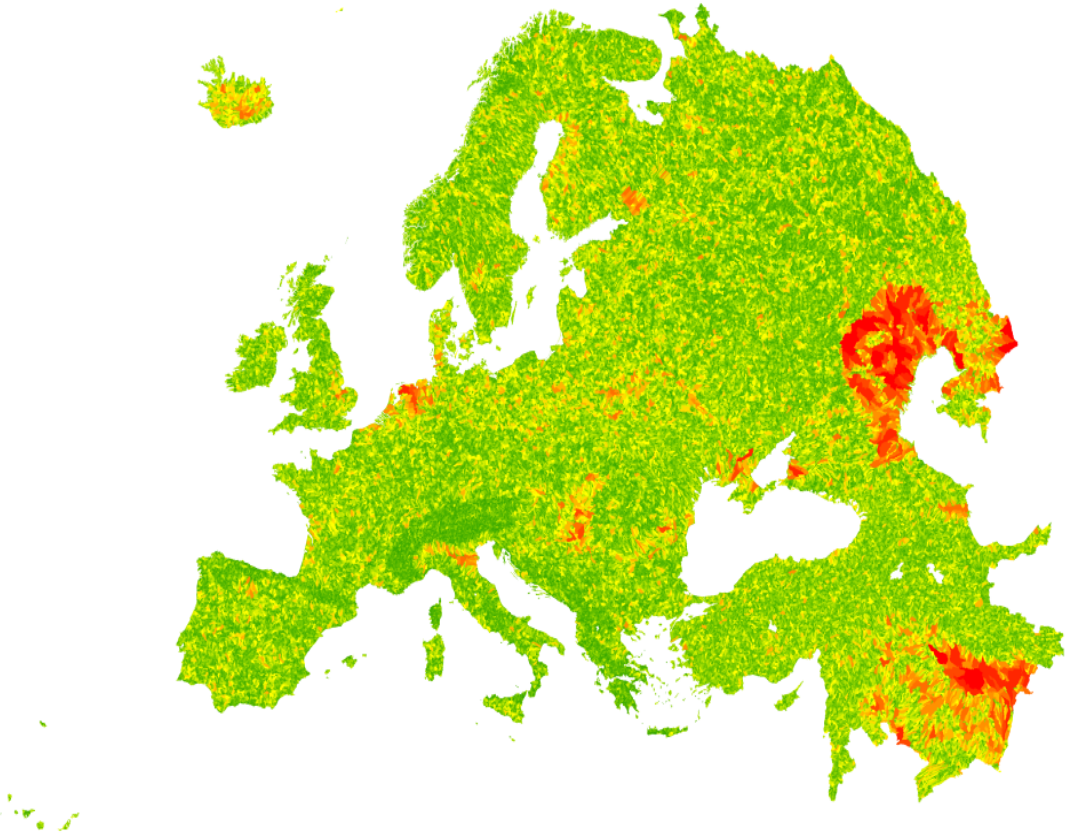












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