

Landscape fragmentation Effective Mesh Size

This data is the basis of the indicator for assessing landscape fragmentation due to urban and transport expansion, considering major roads only. The computation is based on the method of Effective Mesh Size. The effective mesh size (meff) can be interpreted as the area that is accessible to animals when starting a movement at a randomly chosen point inside a landscape without encountering a physical barrier. The meff expresses the probability that any two points chosen randomly in an area are connected, that is, not separated by the barriers of a Fragmentation Geometry (FG) such as transport routes or built-up areas. Hence, meff is a measure of landscape connectivity, i.e. the degree to which movements between different parts of the landscape are possible. The meff is measured as an area (km²), within the cells of a 1 km² regular grid as reporting units.

Simple

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Point of contact

No information provided.

Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • EEA39
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Keywords	
GEMET	<ul style="list-style-type: none"> • landscape • built environment • animal habitat • animal corridor • built-up area
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Habitats and biotopes • Transport networks • Soil
Spatial scope	<ul style="list-style-type: none"> • European
EEA topics	<ul style="list-style-type: none"> • Biodiversity
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Association Type	Is composed of
Spatial representation type	Grid

Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none">• Environment

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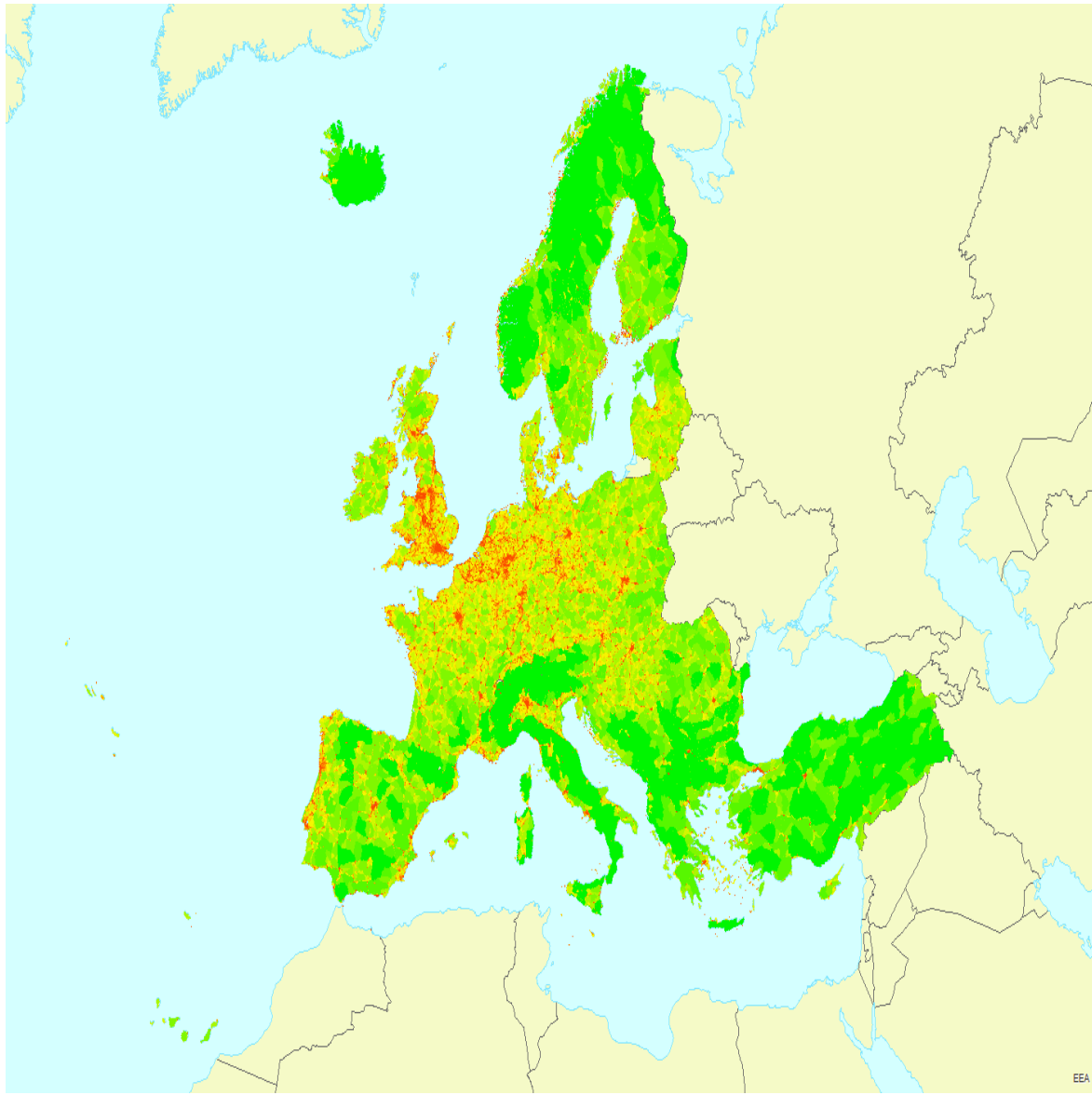


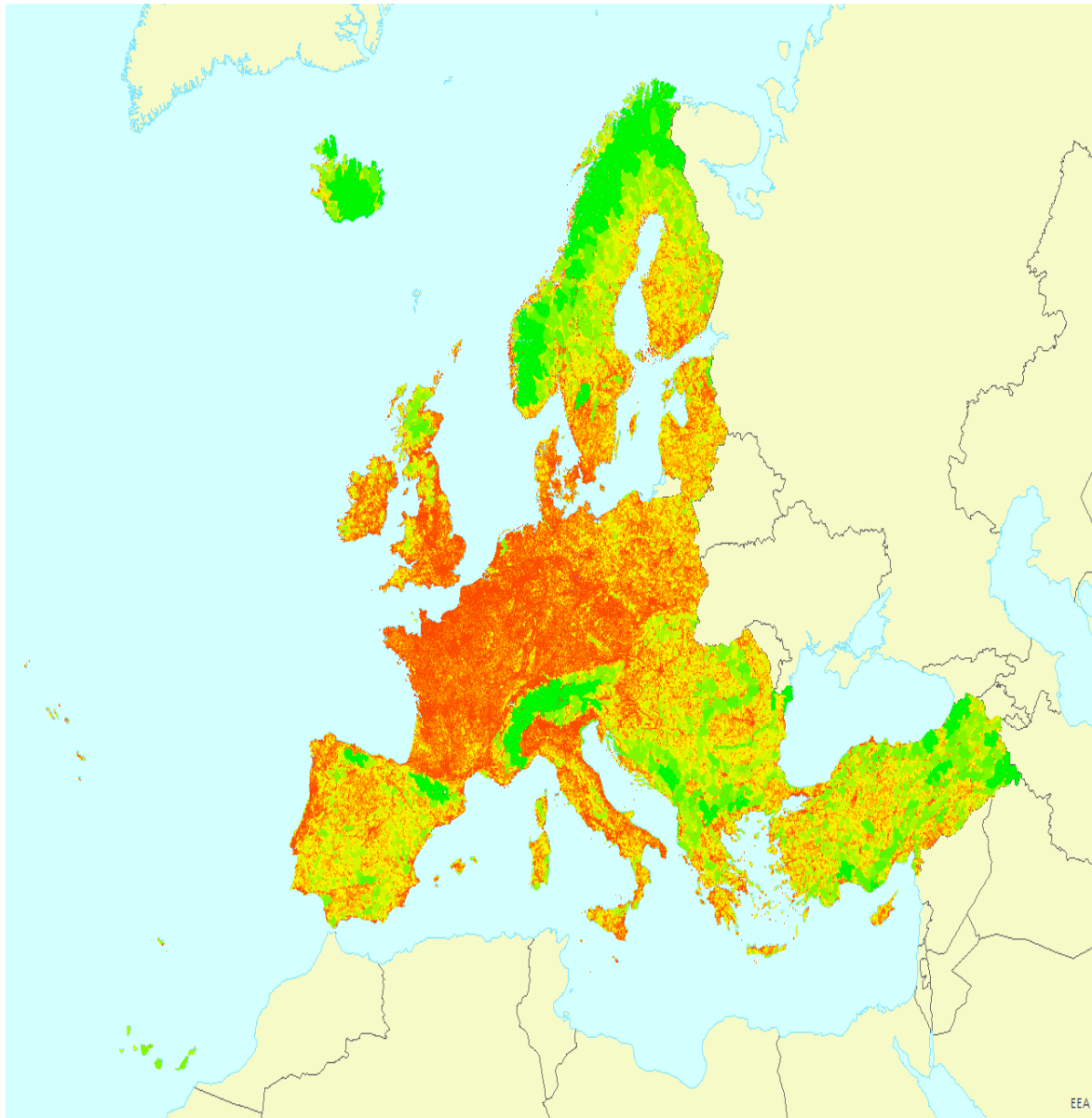
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	European Environment Agency		sdi@eea.europa.eu Point of contact

Overviews





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