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INTERNATIONAL WORKSHOP ON Sustainable Harmonization of Green with Grey Infrastructure in South Eastern Europe

Faget, Romania, 25 – 27th October 2017

Grey & Green Infrastructures development

Cristian-Remus Papp

WWF DCP/Romania

Babes-Bolyai University Cluj-Napoca



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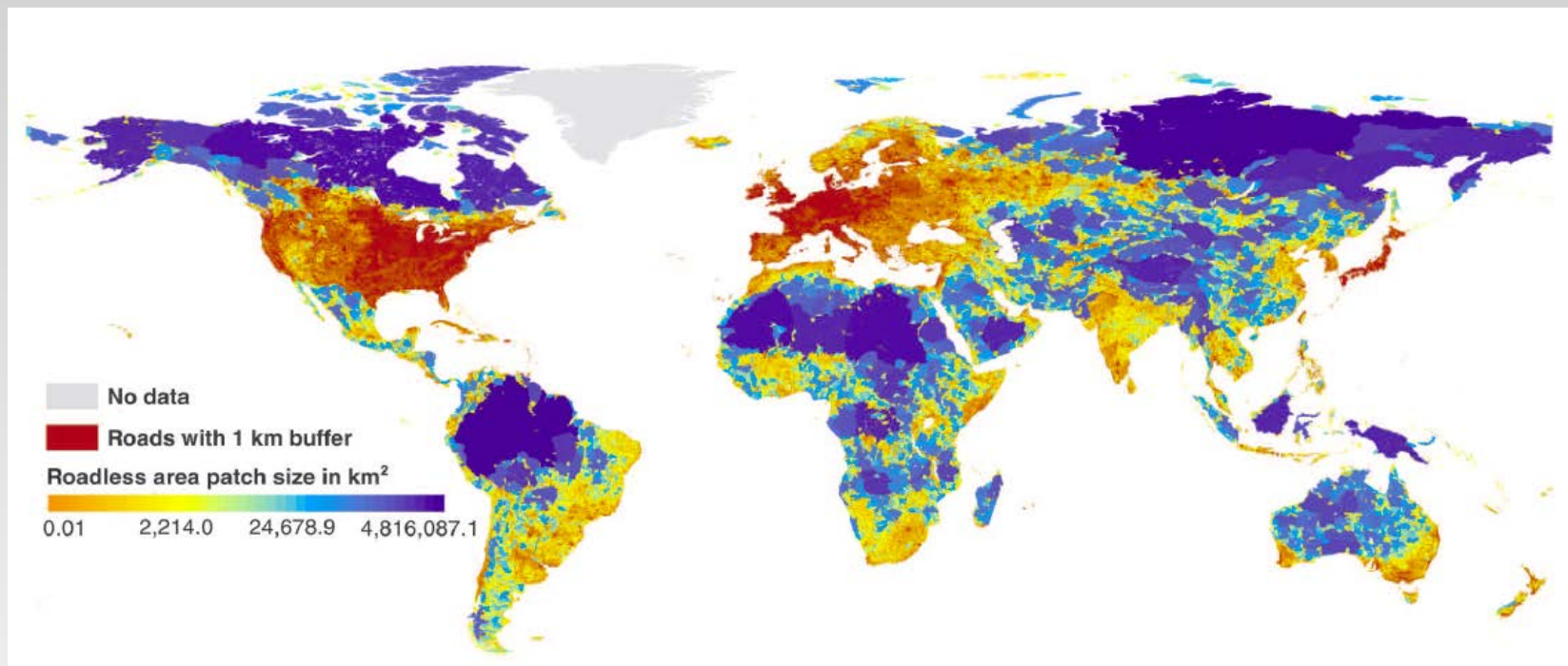


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Road densities worldwide



Note: Road data from OpenStreetMap – figures likely to overestimate roadless area size
Source: Ibisch et al., 2016



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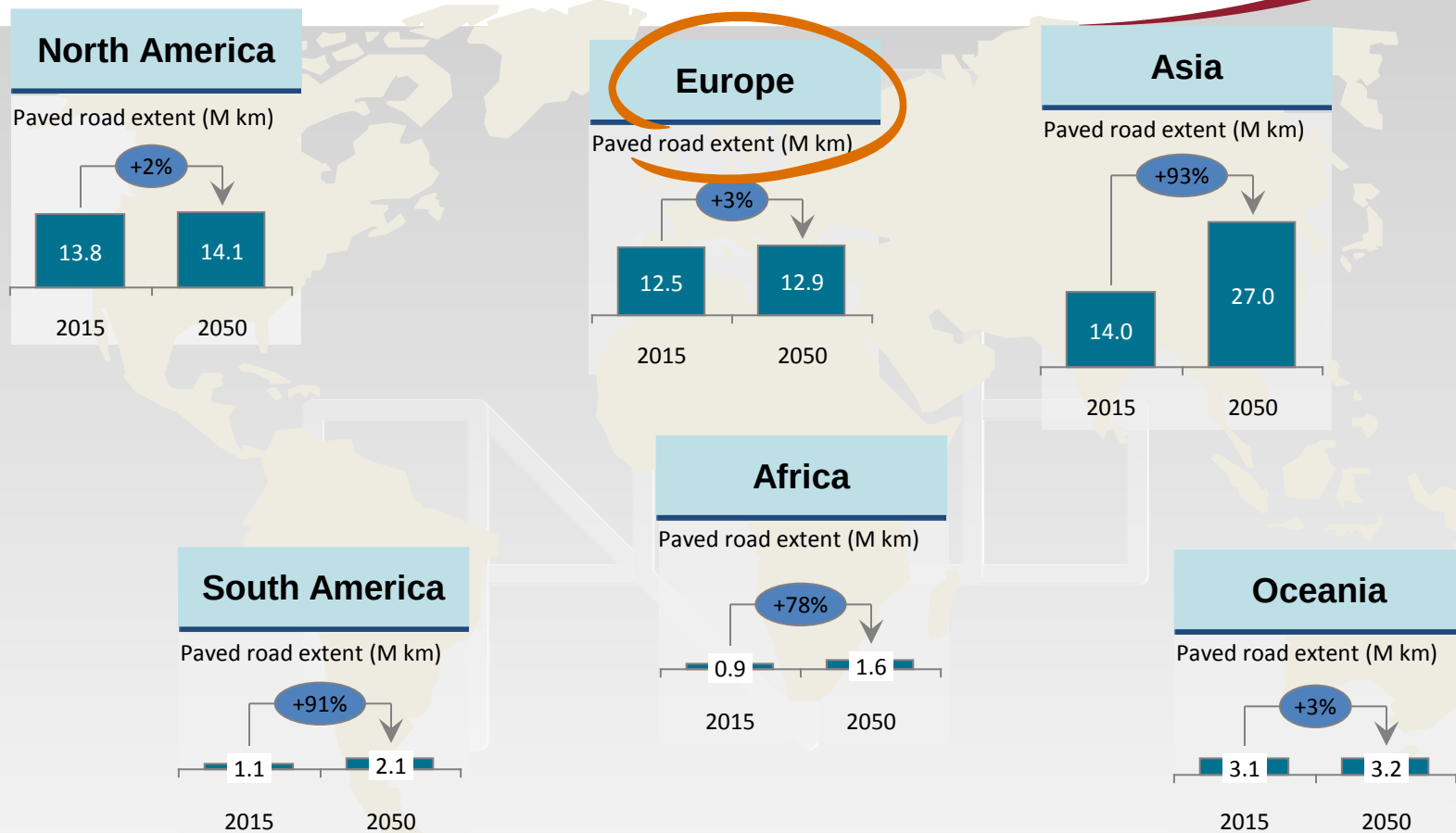


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Expectance of infrastructure development increase vs. habitat loss

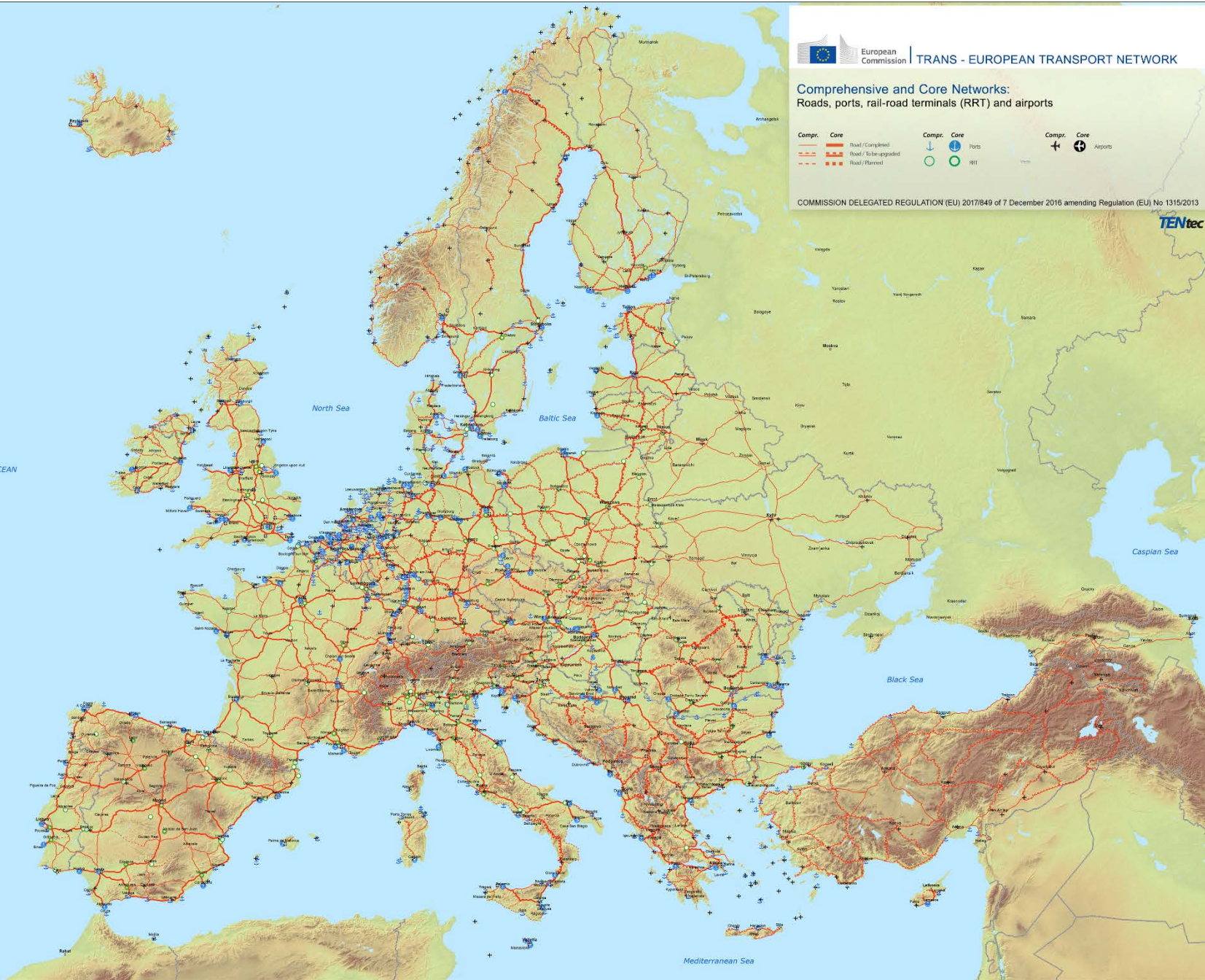
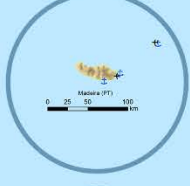
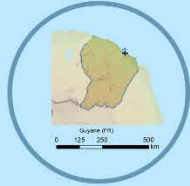
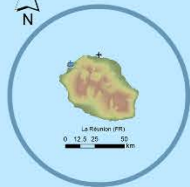


Source: IEA, 2013



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European
Commission

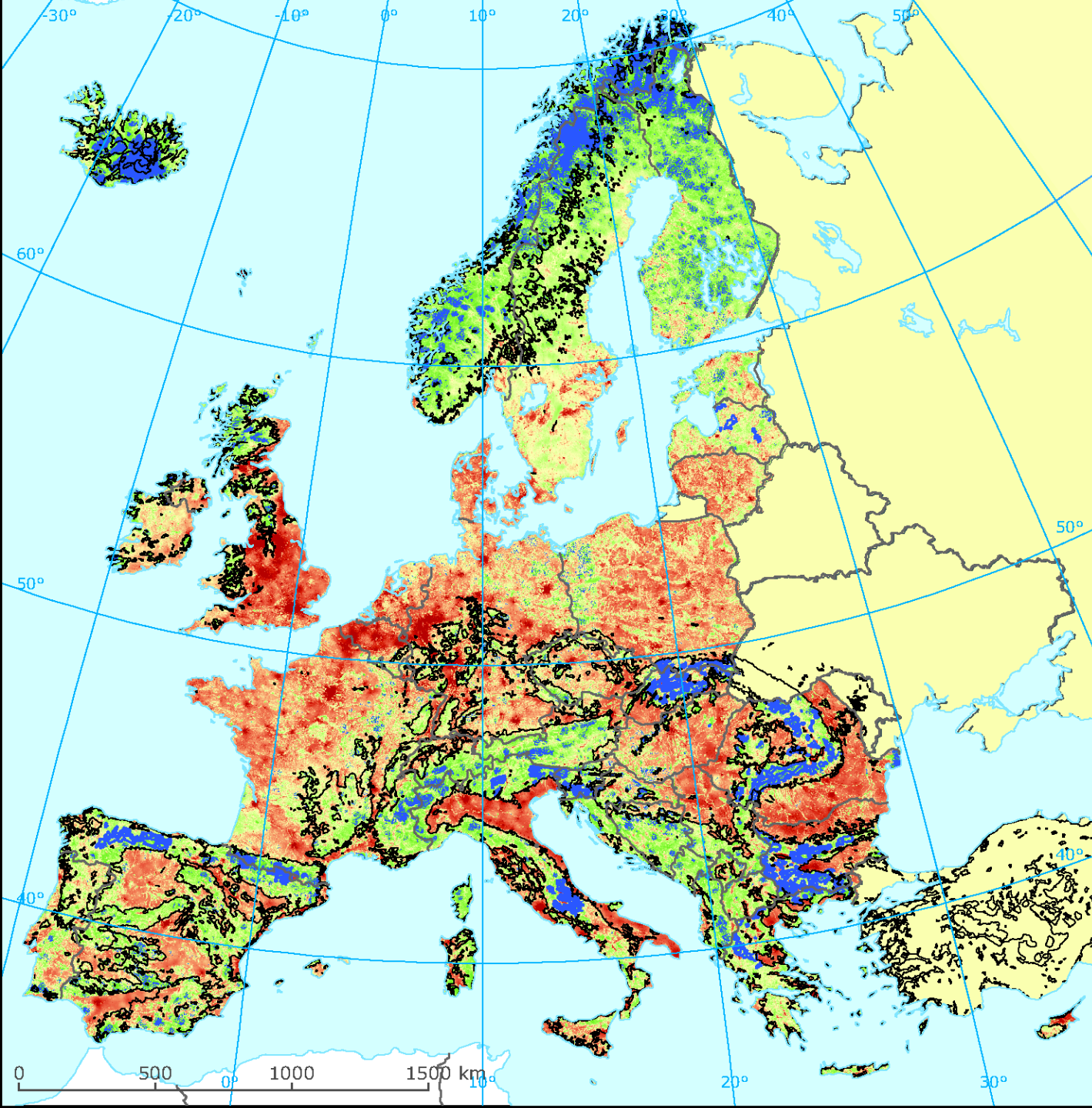
TRANS - EUROPEAN TRANSPORT NETWORK

Comprehensive and Core Networks:
Roads, ports, rail-road terminals (RRT) and airports

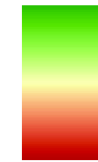


COMMISSION DELEGATED REGULATION (EU) 2017/849 of 7 December 2016 amending Regulation (EU) No 1315/2013

TENtec



**Wilderness Quality Index
(including terrain
ruggedness) for Europe**



High

Low



Massifs



Top 10 % wildest
areas

(Source: European
Environment Agency,
2015)

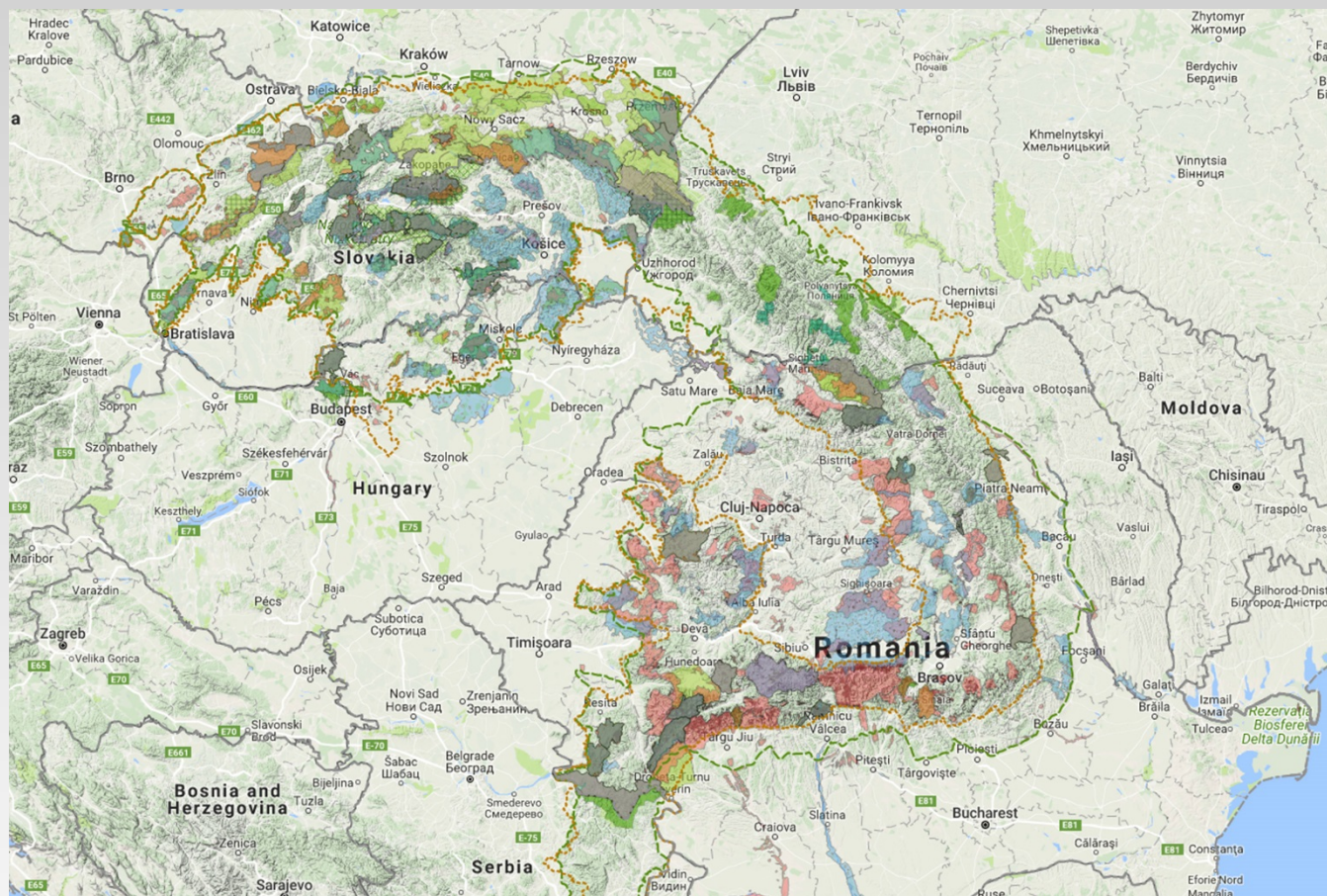


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Protected areas (incl N2k sites) in the Carpathians



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IENE
Infra Eco Network Europe



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Biodiversity values in the Carpathians

- Home to many of the last great wilderness areas within Europe
- The native flora of the Carpathians - among the richest on the European continent: 3,988 species and subspecies
 - approx. 30% of the 12,500 total for all European flora
 - 383 species and subspecies are endemic to Carpathian flora
- Home to 8,000 brown bears (*Ursus arctos*), 4,000 wolves (*Canis lupus*), and 3,000 lynxes (*Lynx lynx*)
- The only mountain range in Europe with a free ranging population of European bison:
 - 160 in the Bieszczady Mountains in Poland, about 220 in the Ukrainian Carpathians + reintroduction programmes in Romania



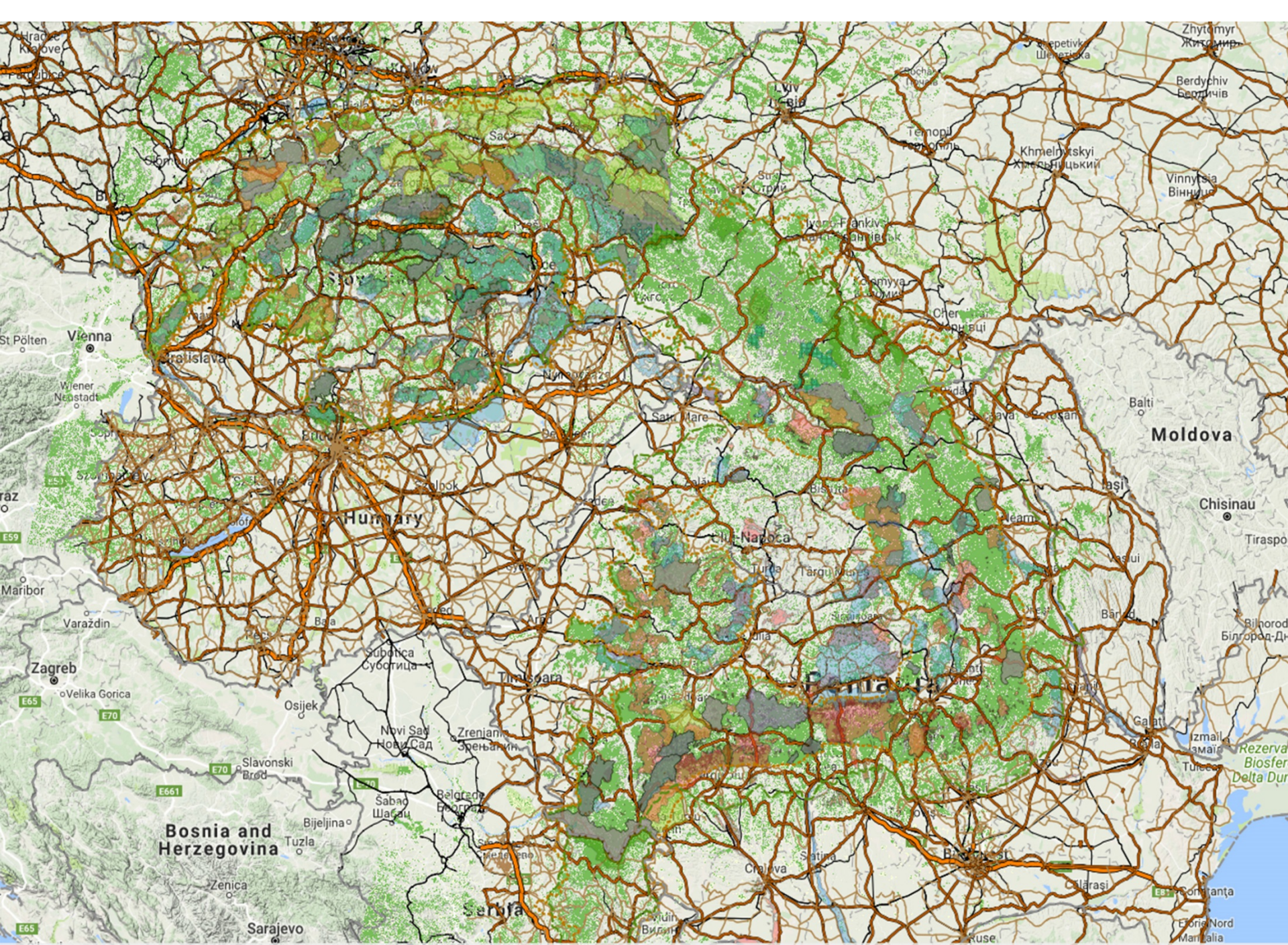
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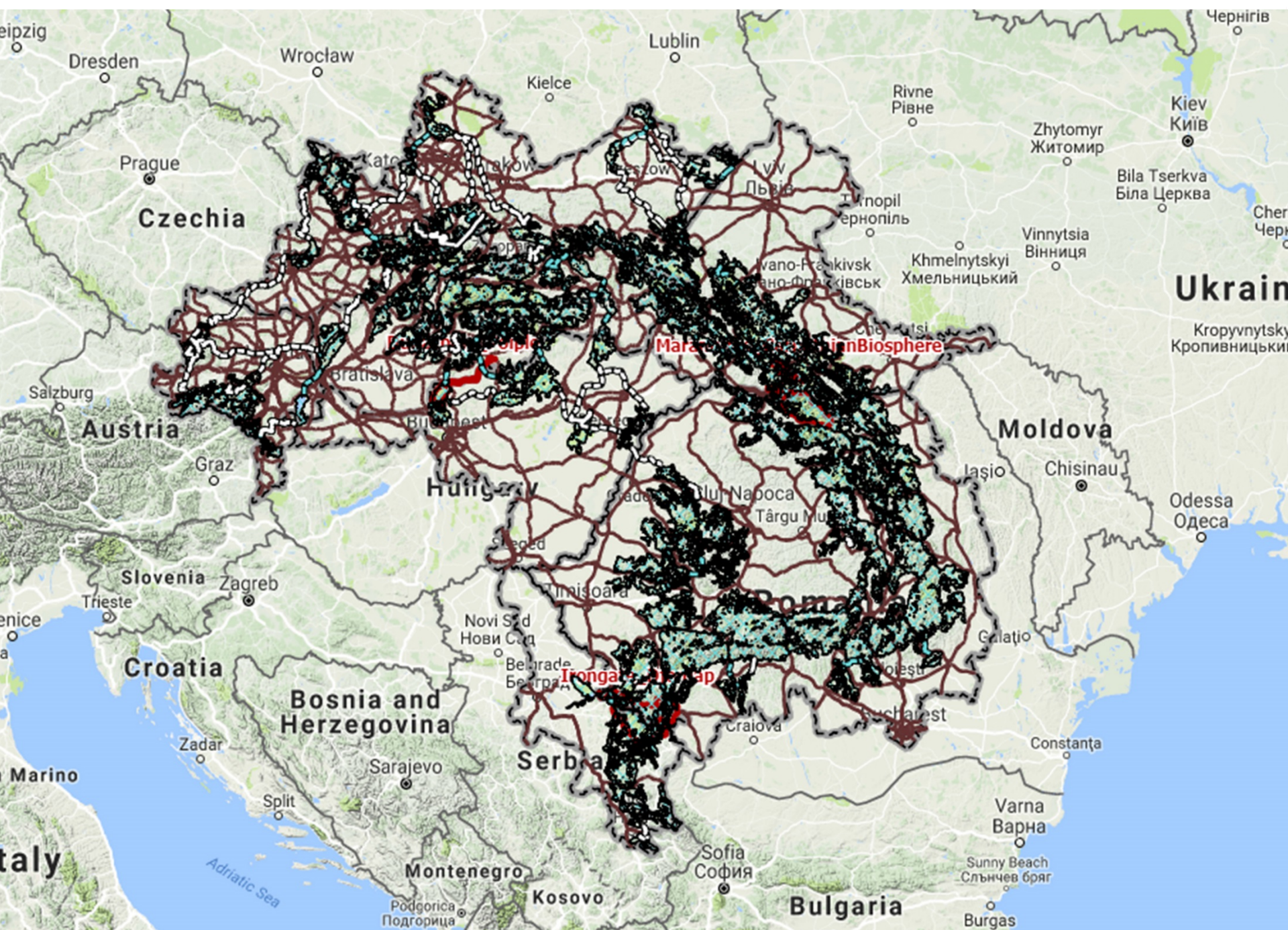


Includes the continent's most extensive range of montane and old-growth forest









How to move forward? Together possible!



© Paul Stevenson

