





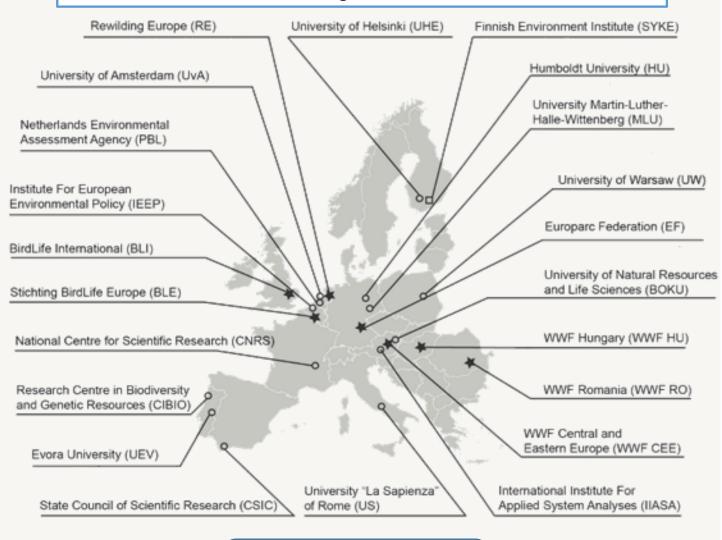
Who we are

Key ambition of NaturaConnect:

Co-develop knowledge, tools and capacity building to support Member States in designing and implementing an ecologically representative, resilient and well-connected Trans-European Nature Network

15 Research organisations

7 National agencies & NGOs

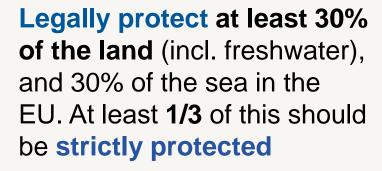




2022 - 2026

European Biodiversity Strategy 2030







Actively or passively **restore 20%** of land area (terrestrial and freshwater ecosystems) towards **good condition**

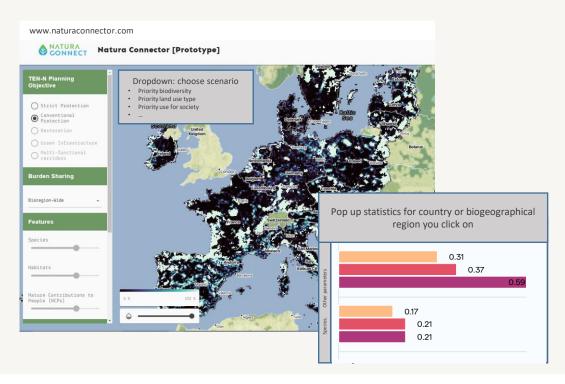


Facilitate ecological corridors and support sustainable land management, while increasing resilience to climate and land-use change



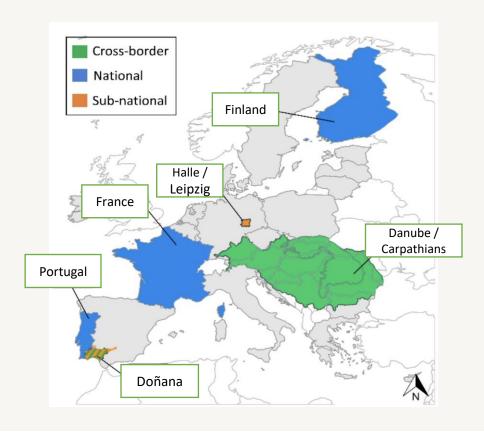
NaturaConnect outputs

Design workflow and produce scenarios for a coherent, resilient and ecologically representative protected area network (one focus improved connectivity)





Provide data, tools and examples to support Member States in their planning

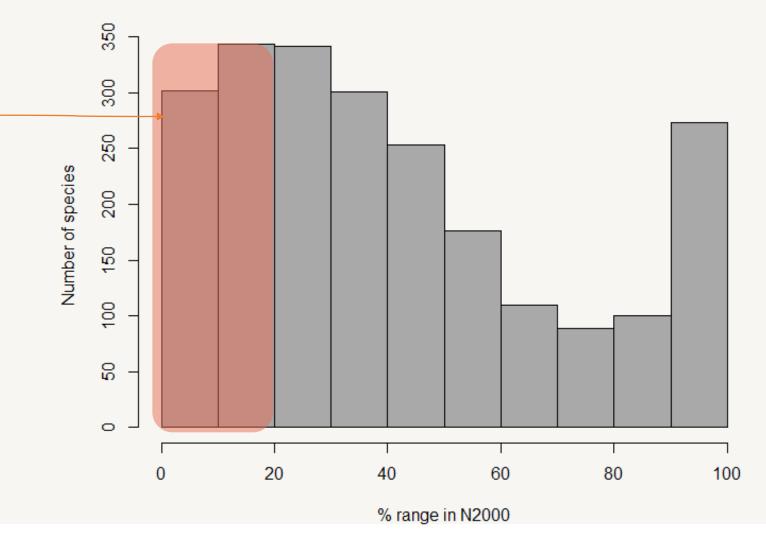




What is a « Truly Coherent Trans-European Nature Network »?

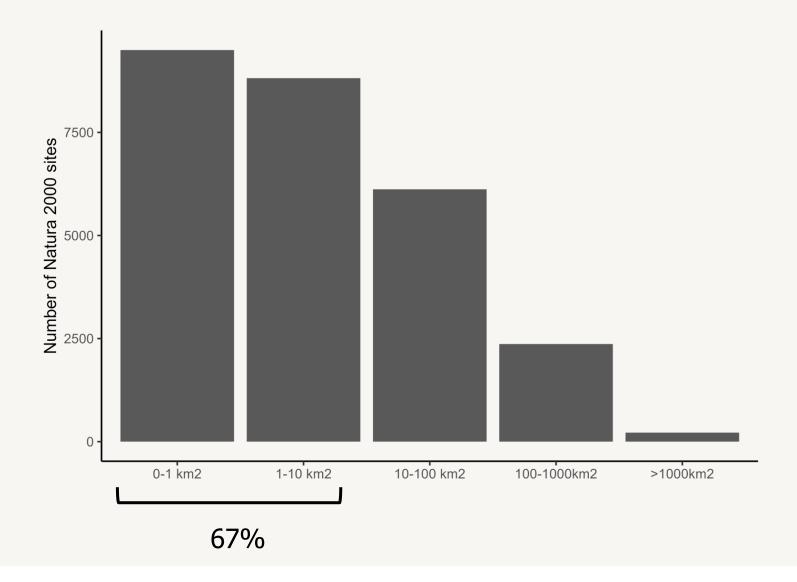
Coverage of threatened species by N2000 network in the EU

646 globally threatened species have <20% of their EU range protected by the N2K network

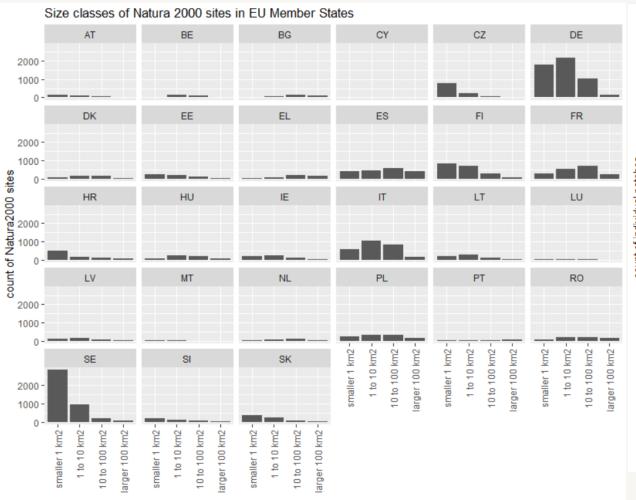


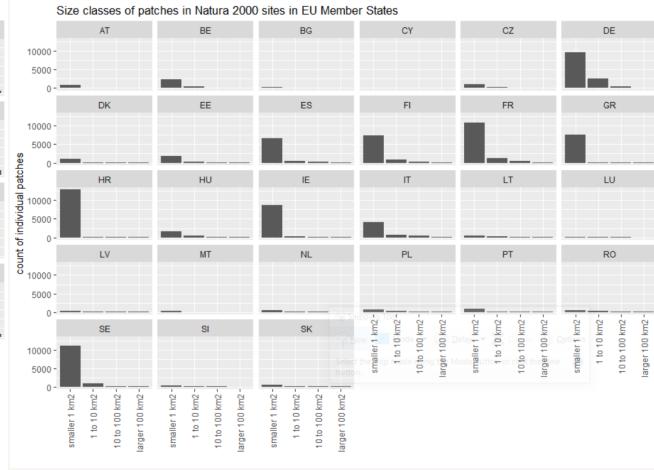


Adequacy – size and fragmentation



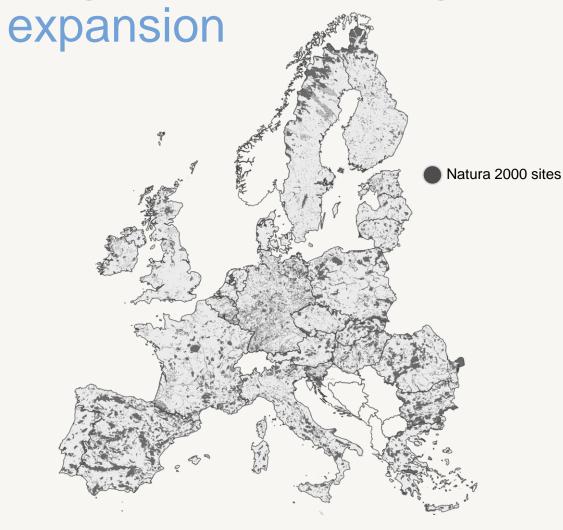


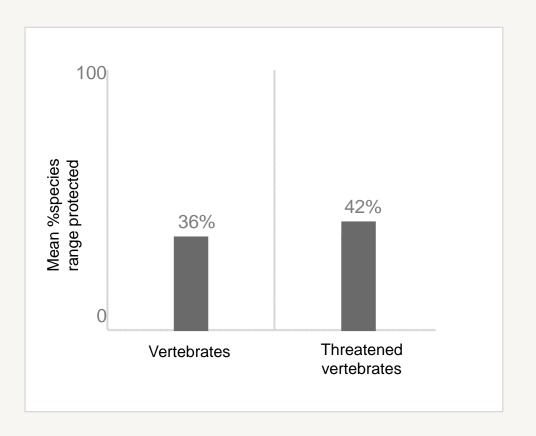






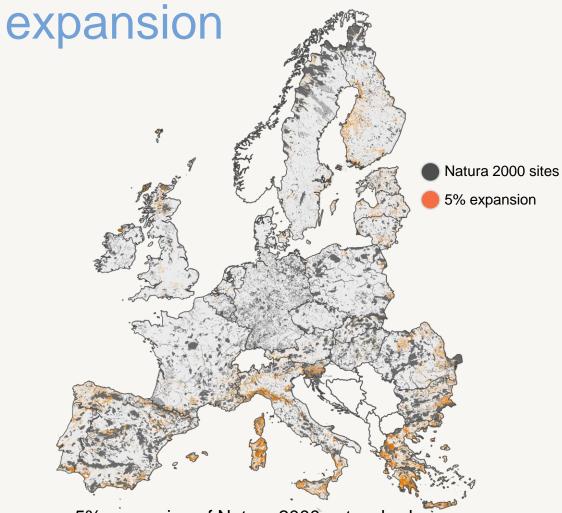
Large conservation gains are possible with limited area

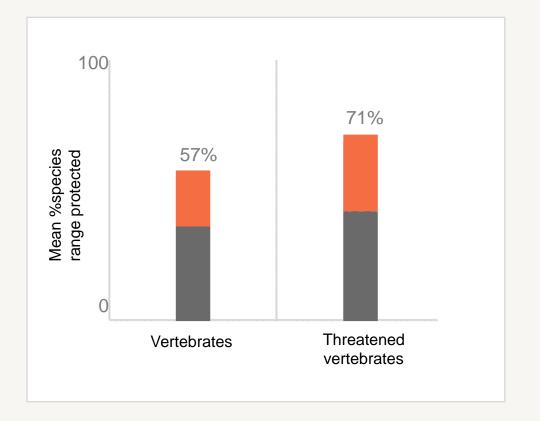






Large conservation gains are possible with limited area

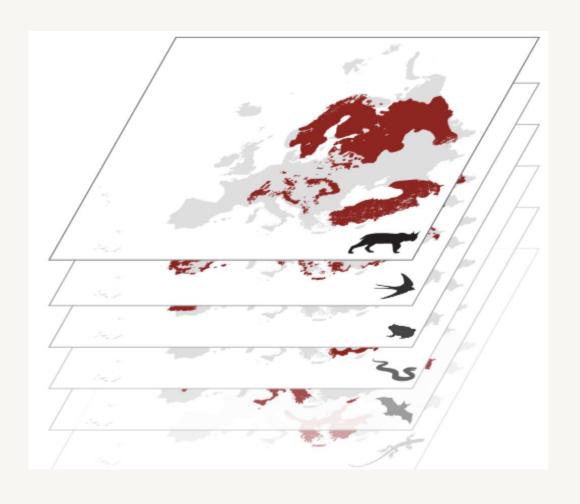




5% expansion of Natura 2000 network when focusing on terrestrial vertebrates



What are we planning for to produce relevant results?



Species and Habitats in Articles 12 and 17



mammals



birds



reptiles



amphibians



plants



arthropods

Threatened species and ecosystems



Other important ecosystems

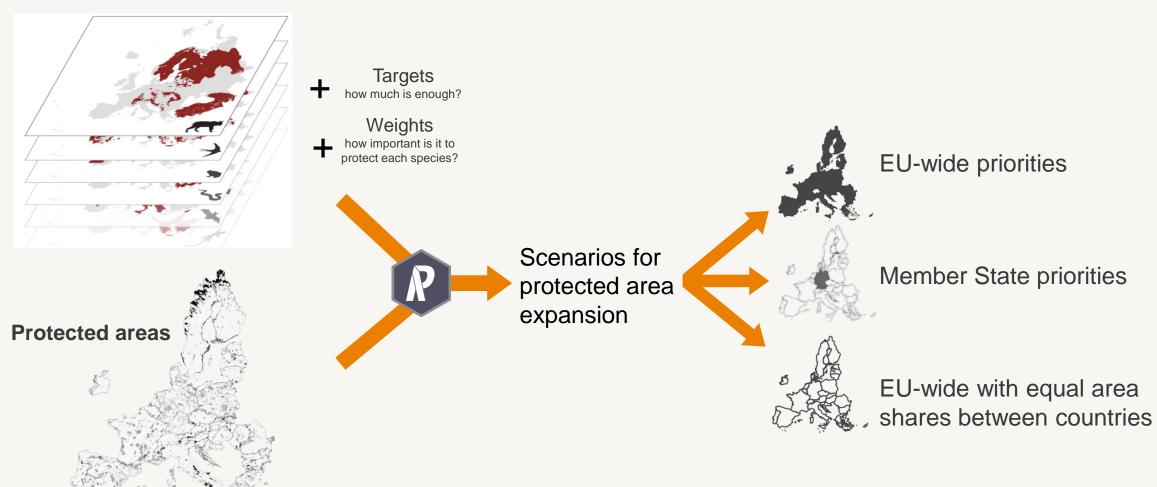


Primary and old-growth forests



Methods for preliminary analysis

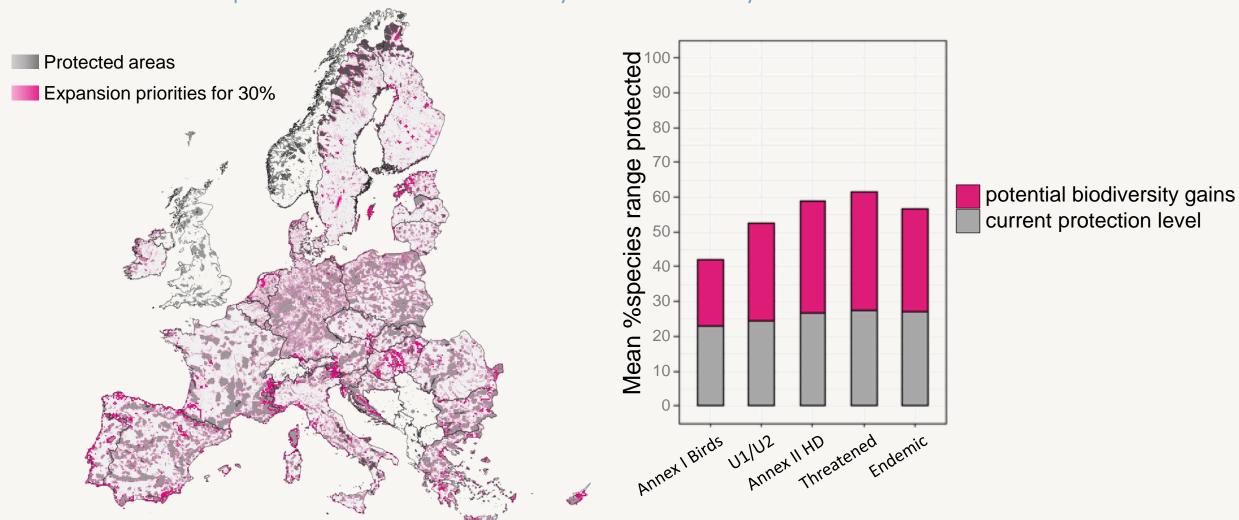
Species & Habitats of conservation concern





EU-wide priorities for expanding PAs

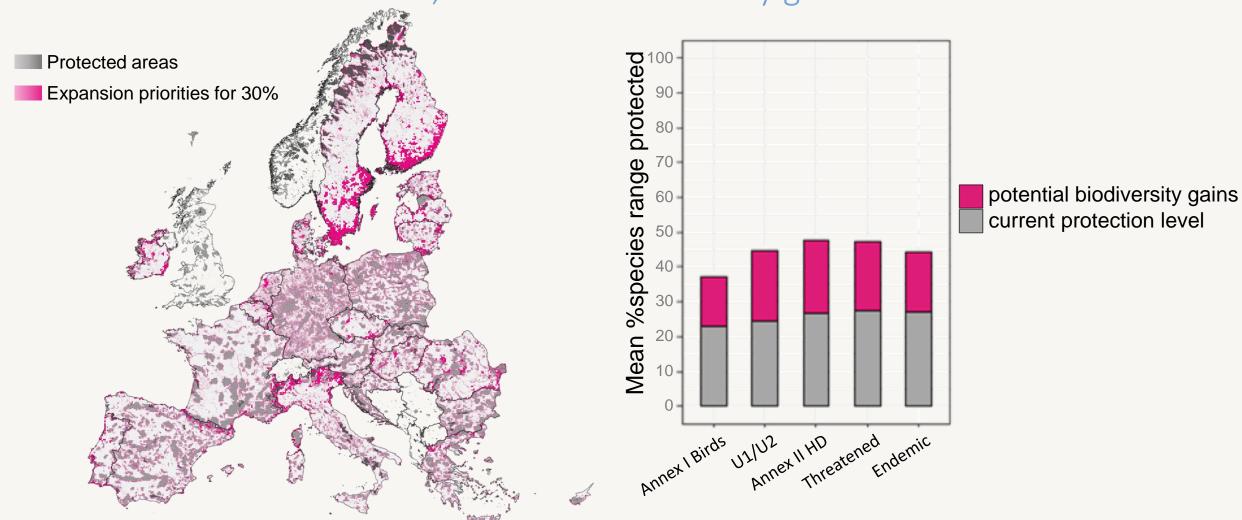
EU-wide priorities for biodiversity are unevenly distributed across countries





National priorities for expanding PAs

Same amount of area, but lower biodiversity gains

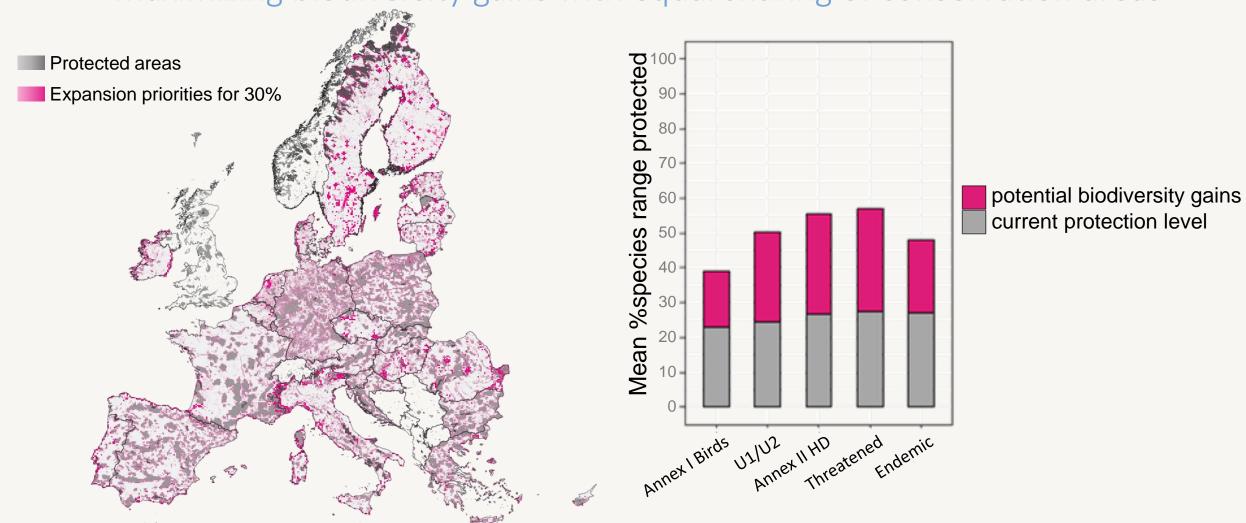






EU-wide priorities with equal area shares

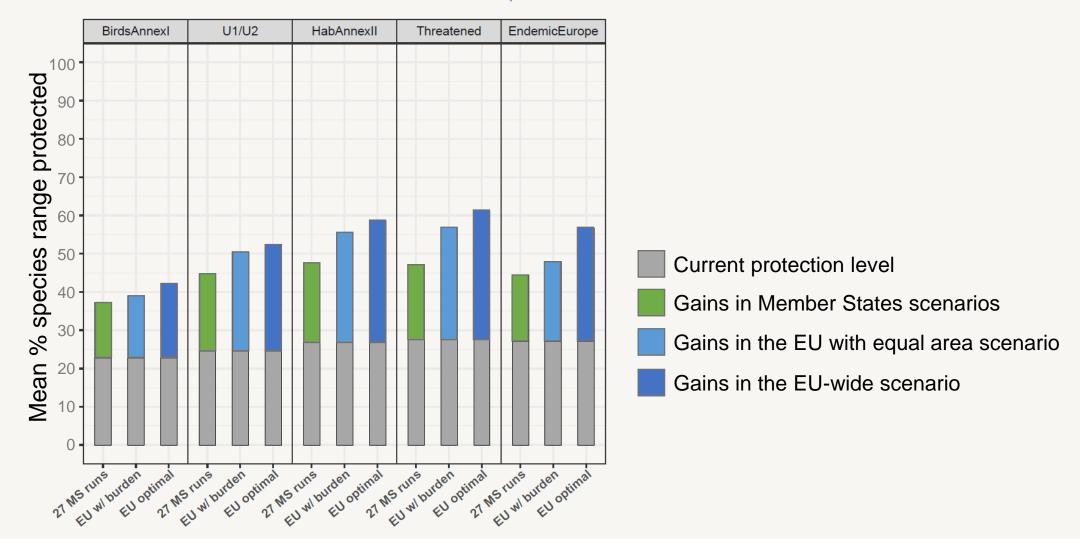
Maximizing biodiversity gains with equal sharing of conservation areas





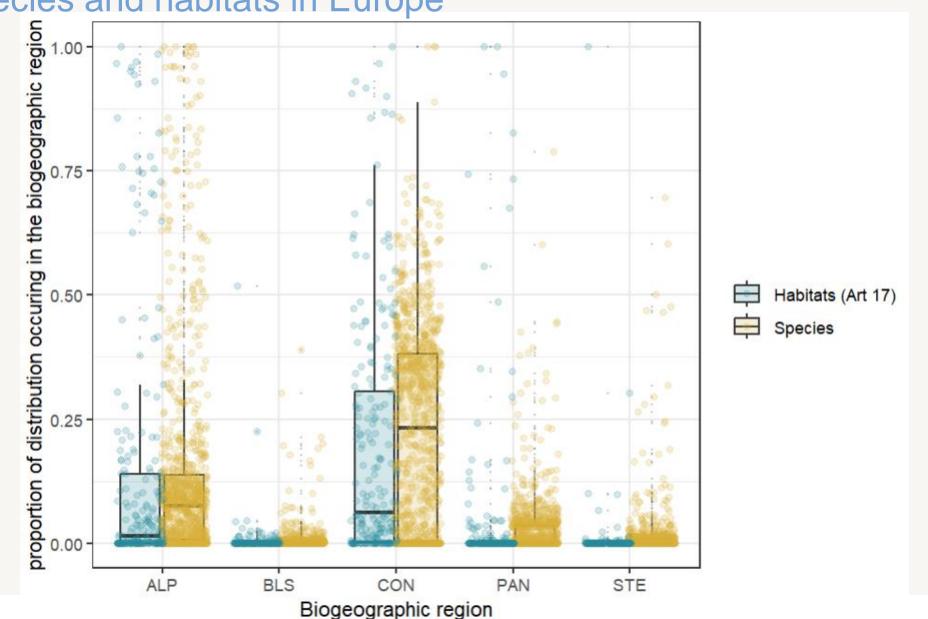
Planning at EU scale increases conservation gains

Collaboration across Member States is key to achieve best conservation outcomes



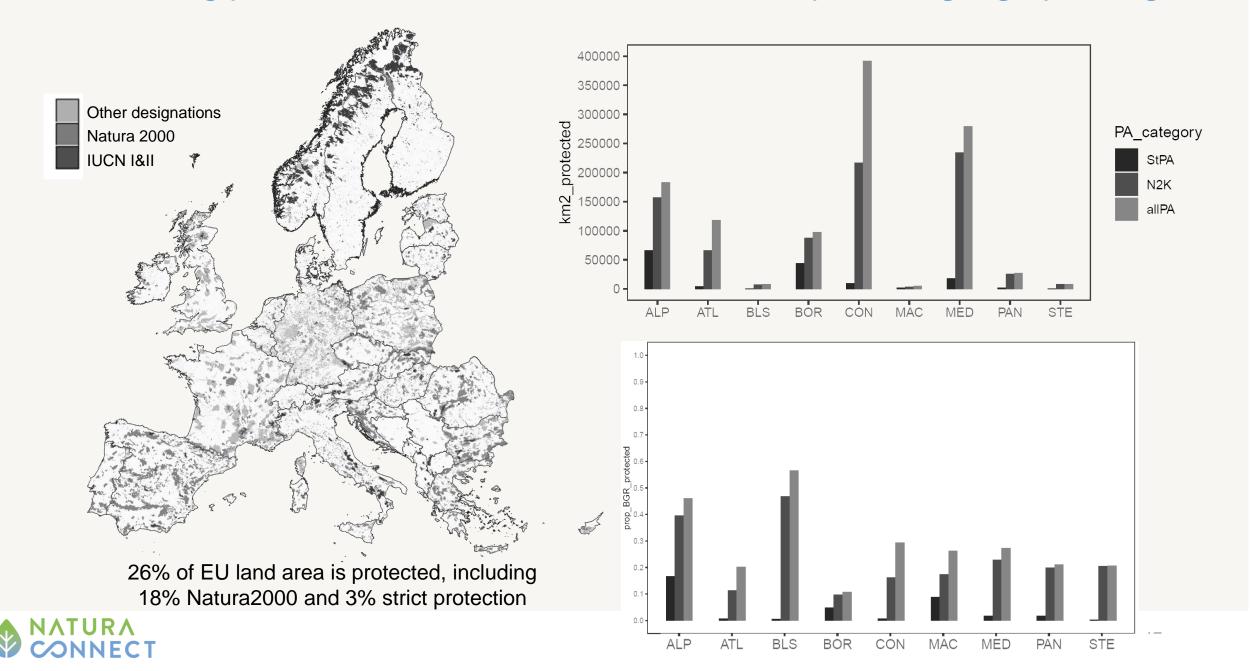


Different biogeographic regions have differentiated responsibility in protecting different species and habitats in Europe

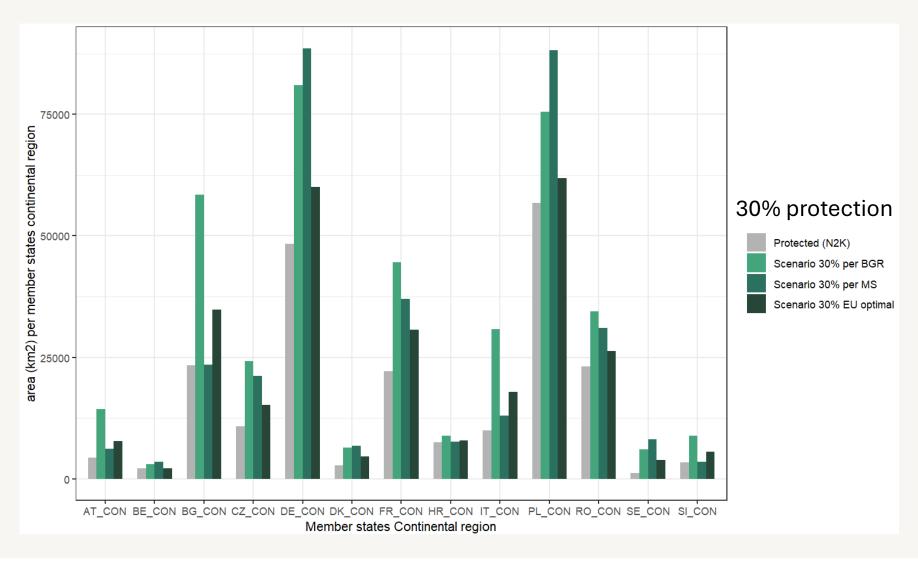




How are existing protected areas distributed across European biogeographic regions?

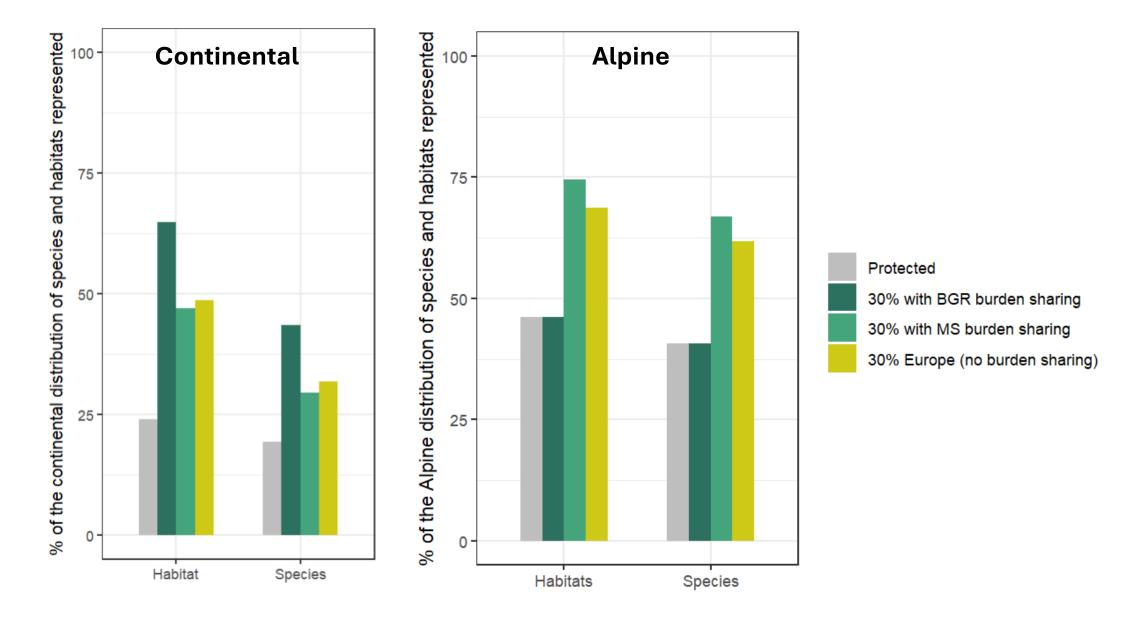


Burden sharing in the Continental Bioregion





PA representativeness for Alpine and Continental Bioregions



How can our results be the most useful? 💬



Discussion for the Knowledge Marketplace

Targeted biodiversity features



- · What habitat types, species and other aspects of biodiversity are priorities in your countries?
- What spatial design criteria (e.g. size, proximity to existing PAs) are important?

Costs and constraints



What are the main constraints to additional designations you would like to see considered in prioritization analyses?

Decision support

 What data products and tools are most useful for your planning activities?



How can our results be the most useful?

Discussion for the Knowledge Marketplace

Scale and Species

- What is the spatial extent and resolution most useful for decision-making?
- What type of multi-species or multi-use priorities do you have for ecological corridors?
- What data products and tools are most useful for teaching and engagement tools?







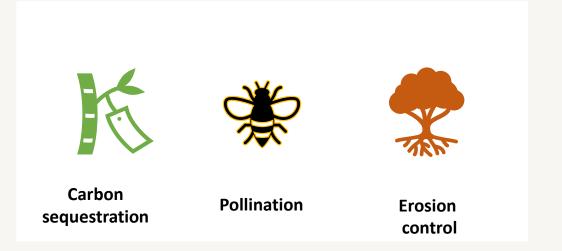
Incorporating costs and benefits to people

Costs

Nature's contributions to people



Typology of the (economic) costs of conservation (work by project partners in PBL (NL): Douglas Spencer, Aafke Schipper)



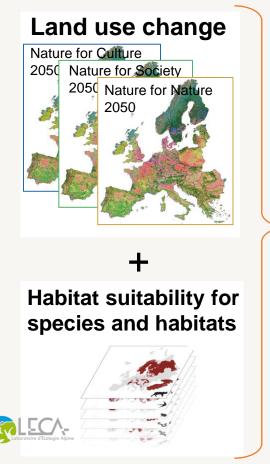
Regulatory & cultural services of nature



Coming soon: Restoration priorities

Definition ≺

20% top priority areas that are currently unsuitable habitat and are likely to be restored/de-intensified according to future land use change scenario and the restored land use is beneficial for biodiversity (under current + future climate)





Which restored areas are the top 20% most beneficial for biodiversity?

How to get in touch





Sign up to our newsletter and stakeholder community



Get access to data and info material or discuss concepts or a specific analysis



Spatial data

Connectivity





Systematic Conservation Planning

Contact us

naturaconnect@iiasa.ac.at beher@iiasa.ac.at visconti@iiasa.ac.at

Come talk to us!

We hope to collaborate with you over the next few years

contact us anytime:





naturaconnect@iiasa.ac.at







































