



# LIFE EREMITA Final Conference

Risultati conseguiti e prospettive future

10.06.2022

**DAMSLab**  
Bologna

Giorgio  
**Vacchiano**

Gestione delle foreste  
per la salvaguardia della biodiversità

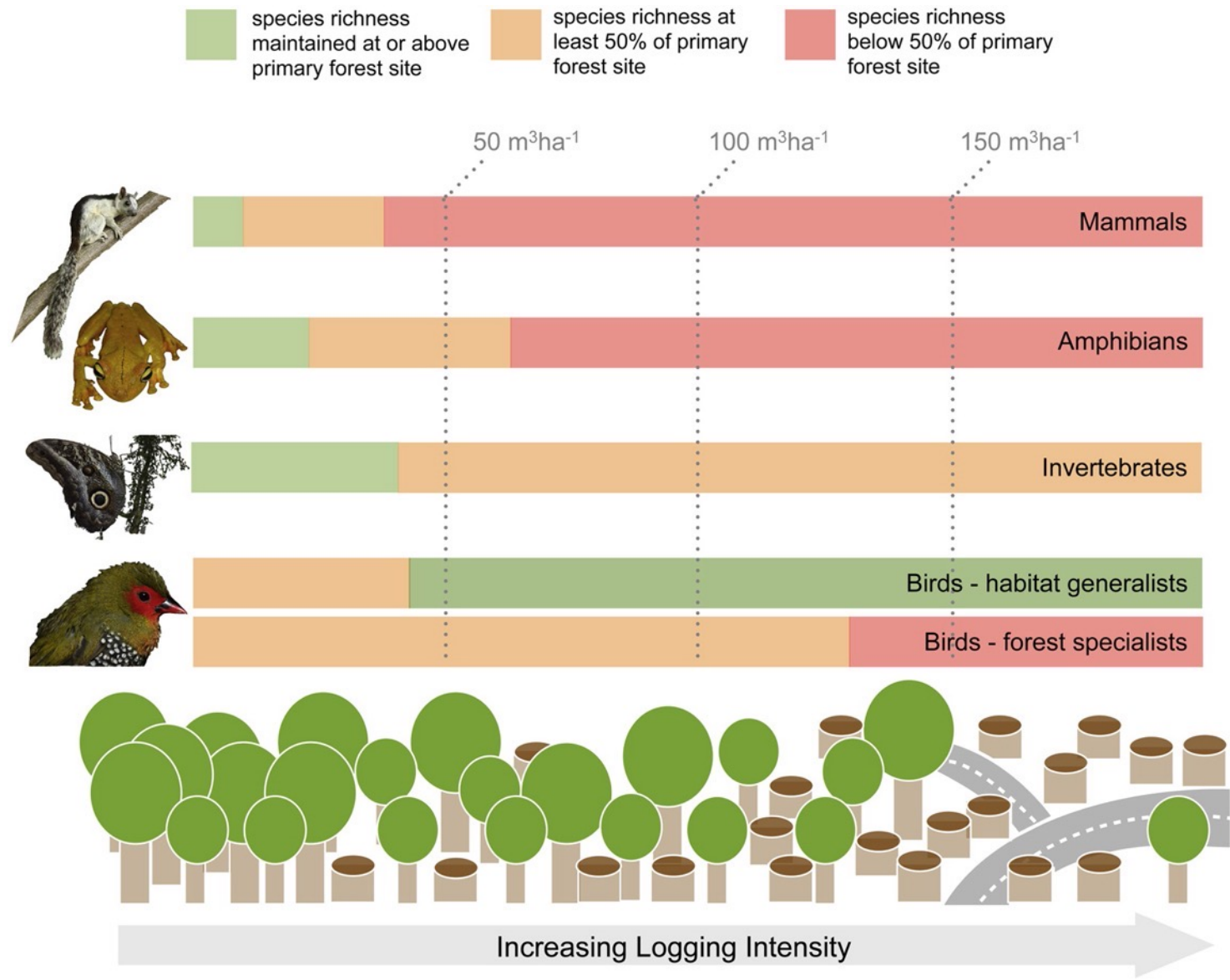


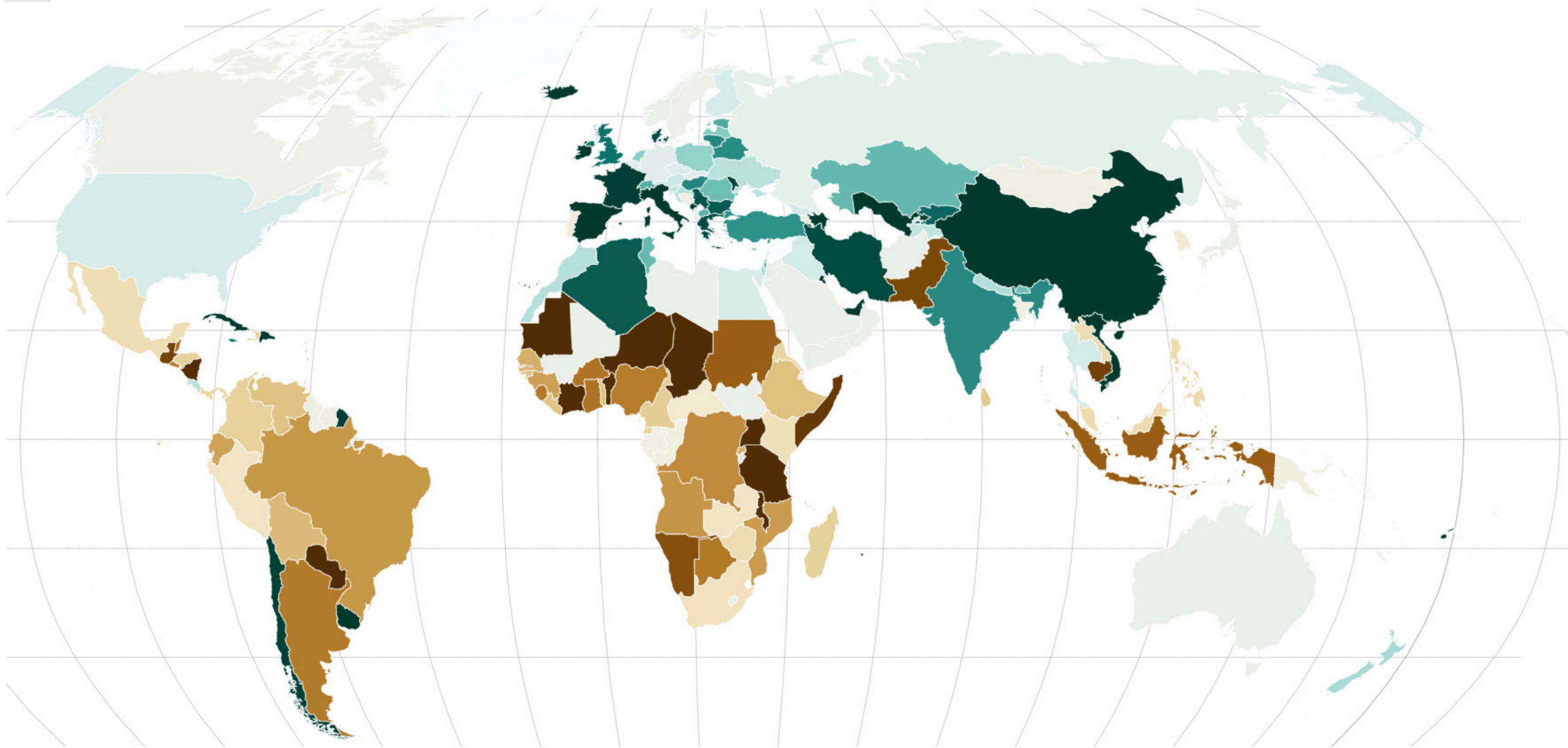
Con il contributo dello strumento finanziario LIFE dell'Unione Europea LIFE 14 NAT/IT/000209 EREMITA





**80%** della biodiversità terrestre

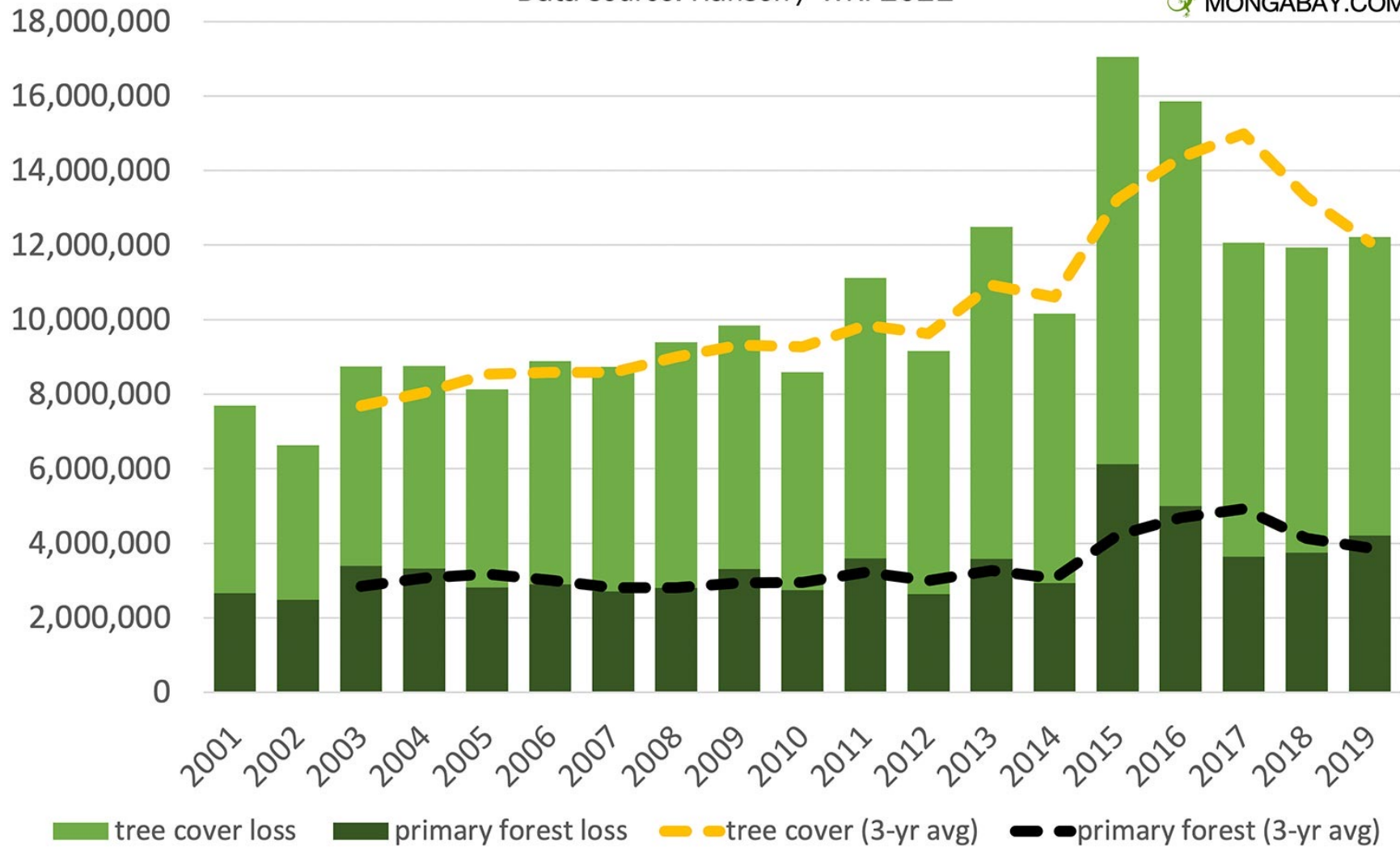




# Tropical primary forest & tree cover loss, 2002-2020

Data source: Hansen / WRI 2021

MONGABAY.COM



# What's Driving Deforestation?

Production of **beef**, **soy**, **palm oil** and **wood products** account for the majority of tropical deforestation.









Proteggere



Gestire



Ripristinare

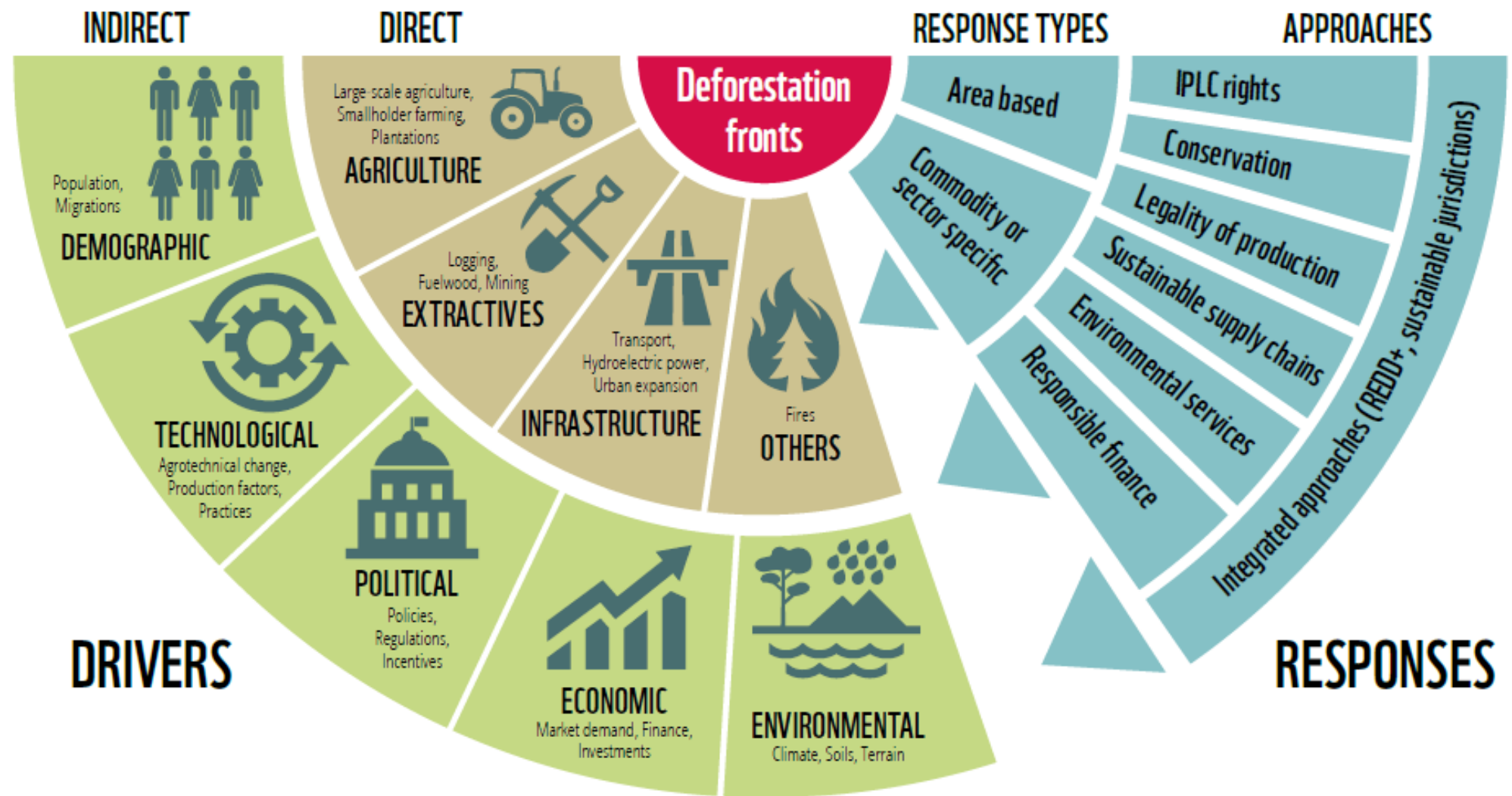




**OVER 100 COUNTRIES HAVE SUPPORTED THE GLASGOW  
LEADERS DECLARATION ON FOREST AND LAND USE**





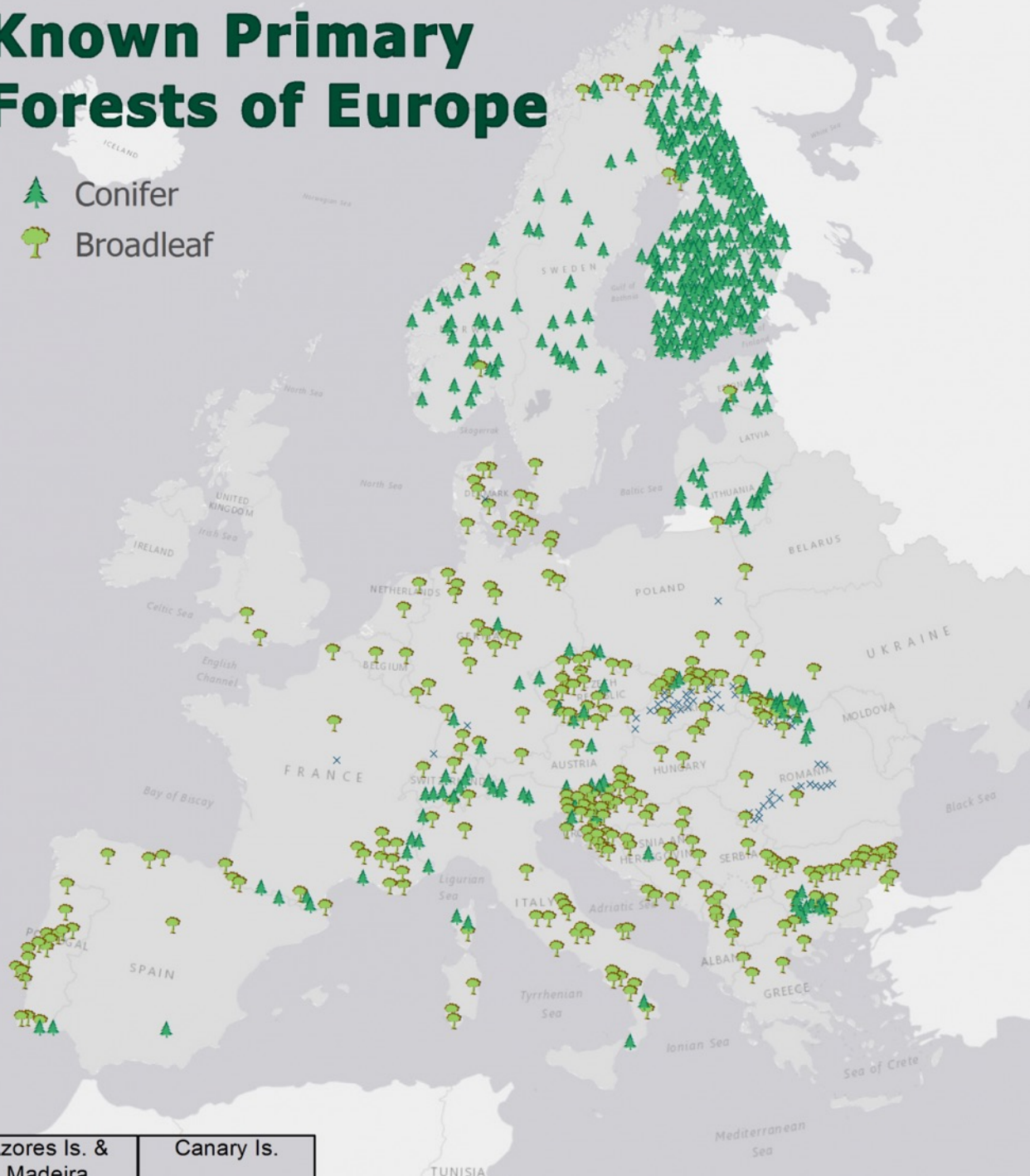




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# Known Primary Forests of Europe

-  Conifer
-  Broadleaf



Azores Is. & Madeira | Canary Is.



# Biodiversity:

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EU aims to protect  
30% of land and sea

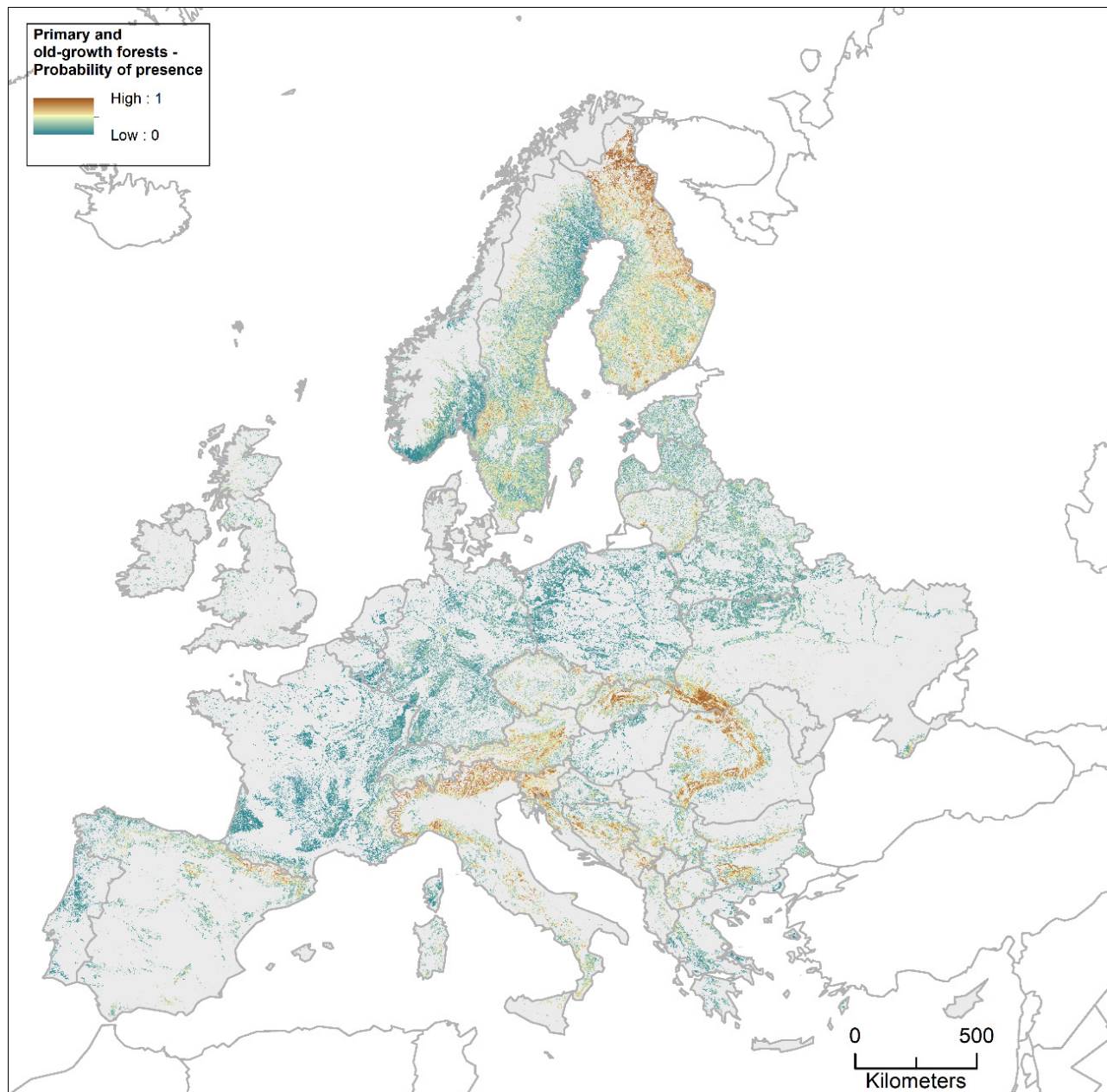




**1.3M ettari**  
**4.4M ettari stimati**

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**LIFE EREMITA**  
**Final Conference**  
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CORPO FORESTALE DELLO STATO

RISERVA NATURALE INTEGRALE

"SASSO FRATINO"

Decreti Ministeriali 26-7-1971 - 9-2-1972 - 25-9-1980 - 15-4-1983

**DIVIETO DI ACCESSO**

Parco Nazionale  
Foreste Casentinesi  
Monti Valchiusa



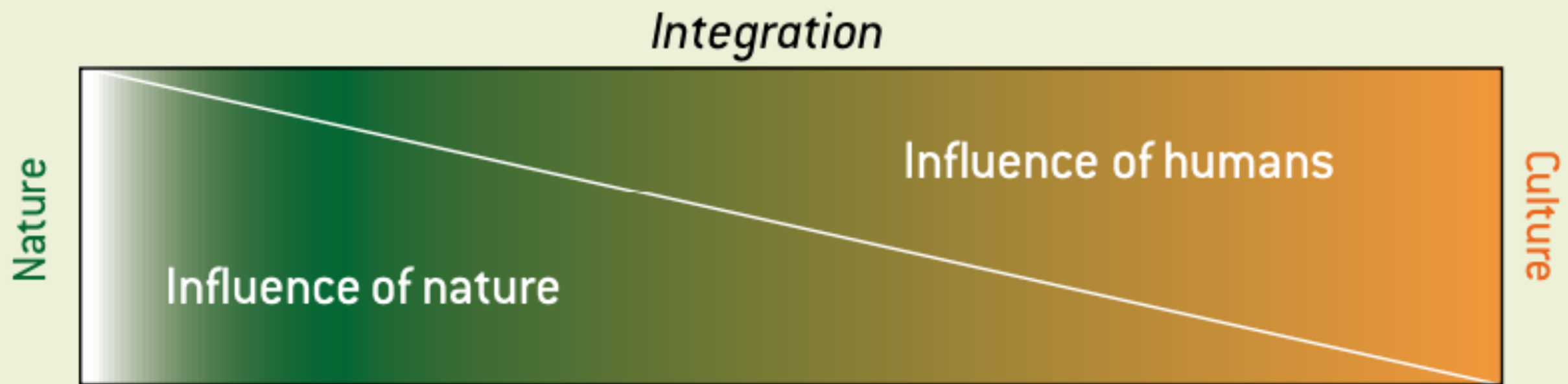
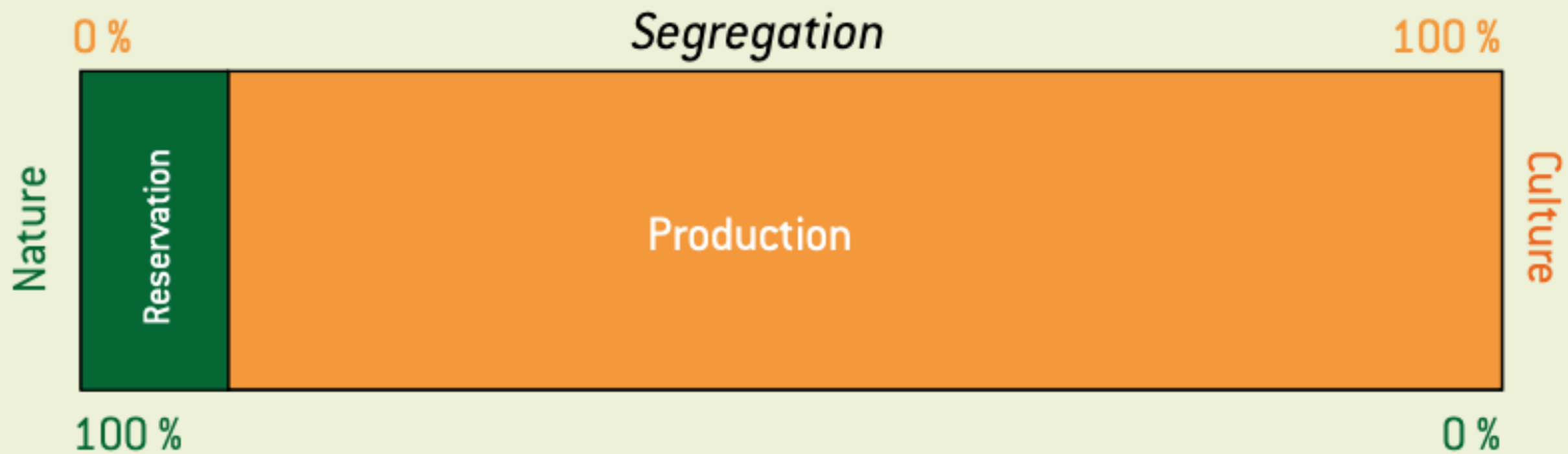
Photo: Pixabay



# [ REWILDING ]

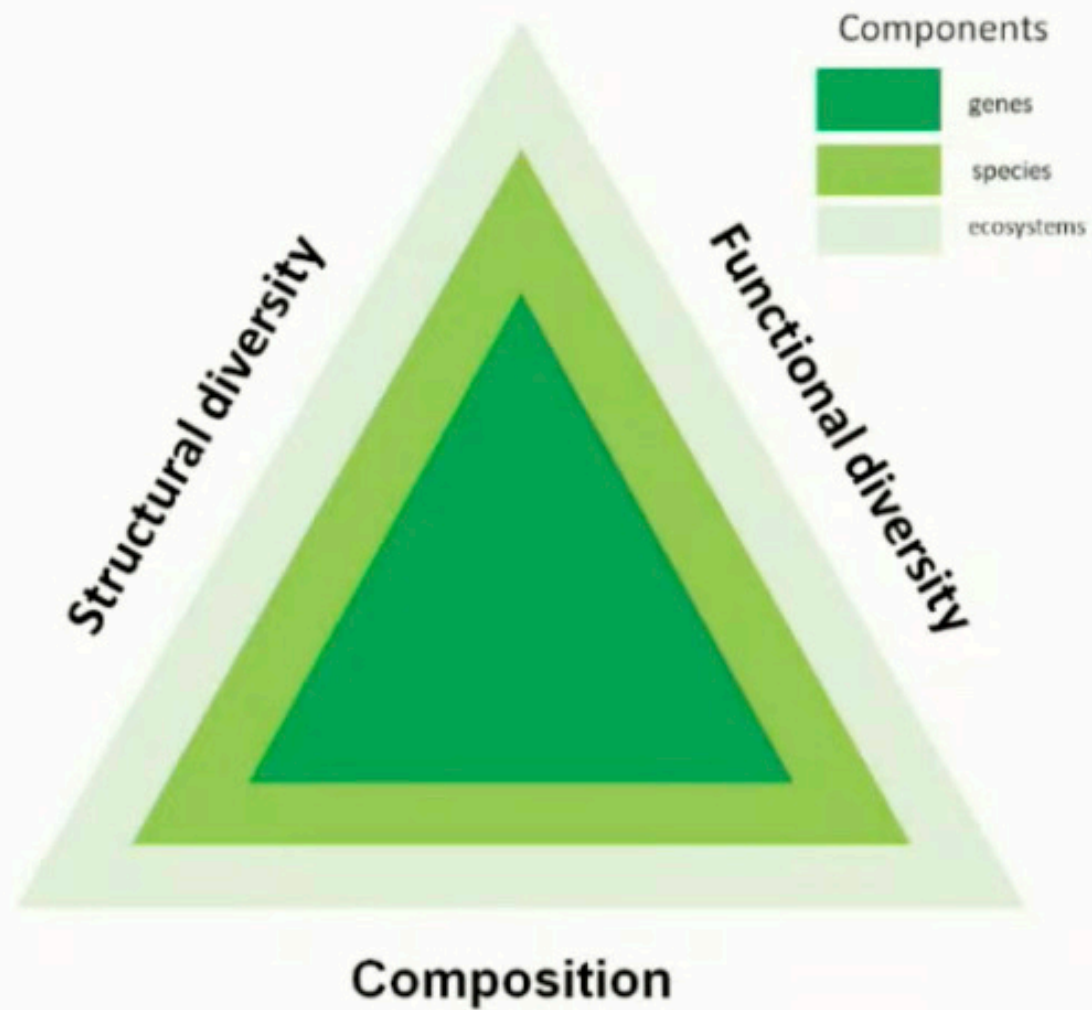








# Elements of forest biodiversity



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Buone Pratiche per la gestione forestale nella rete Natura 2000 italiana

# BUONE PRATICHE

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La sezione raccoglie una collezione di Buone pratiche selezionate da Progetti LIFE condotti in Italia finalizzati alla conservazione della natura in ambiente forestale. Per ciascuna buona pratica è presente: un video di presentazione, una sintetica scheda descrittiva e i link per approfondire nel Database delle Buone Pratiche LIFE GoProFor.

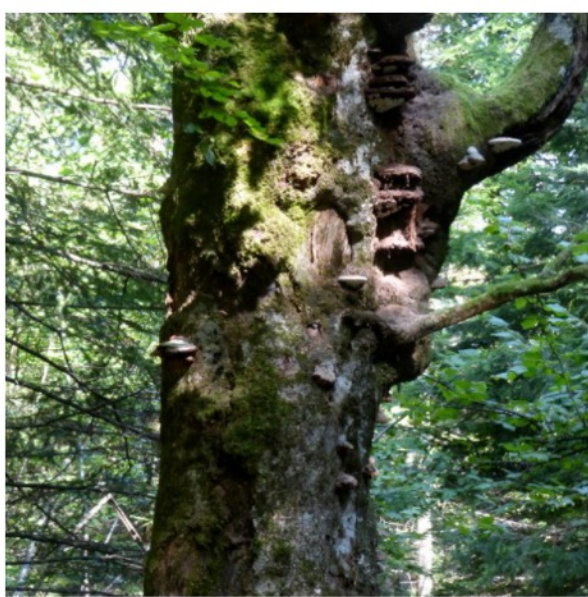


## Principles of Closer-to-Nature Forest Management

- Retention of habitat trees, special habitats, and dead wood
- Promoting native tree species as well as site adapted non-native species
- Promoting natural tree regeneration
- Partial harvests and promotion of stand structural heterogeneity
- Promoting tree species mixtures and genetic diversity
- Avoidance of intensive management operations
- Supporting landscape heterogeneity and functioning







Exposed sapwood (IN11) and perennial polypores (EP12)



CV25 Semi-open trunk cavity



CV25 Semi-open trunk cavity



CV41 Dendrotelms and water-filled holes



CV32 - branch holes ( $\varnothing \geq 10$  cm),



Crown microsoil (OT21)



DE14 Broken limb -  $\varnothing > 20$  cm,  $\geq 50$  cm, not sun exposed



A branch hole and a broken limb





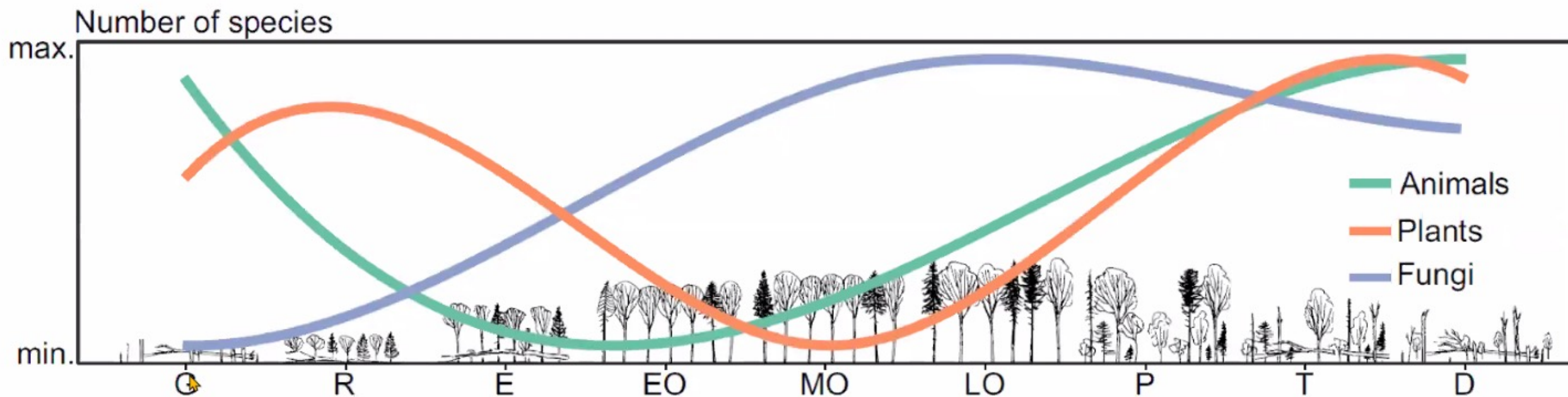








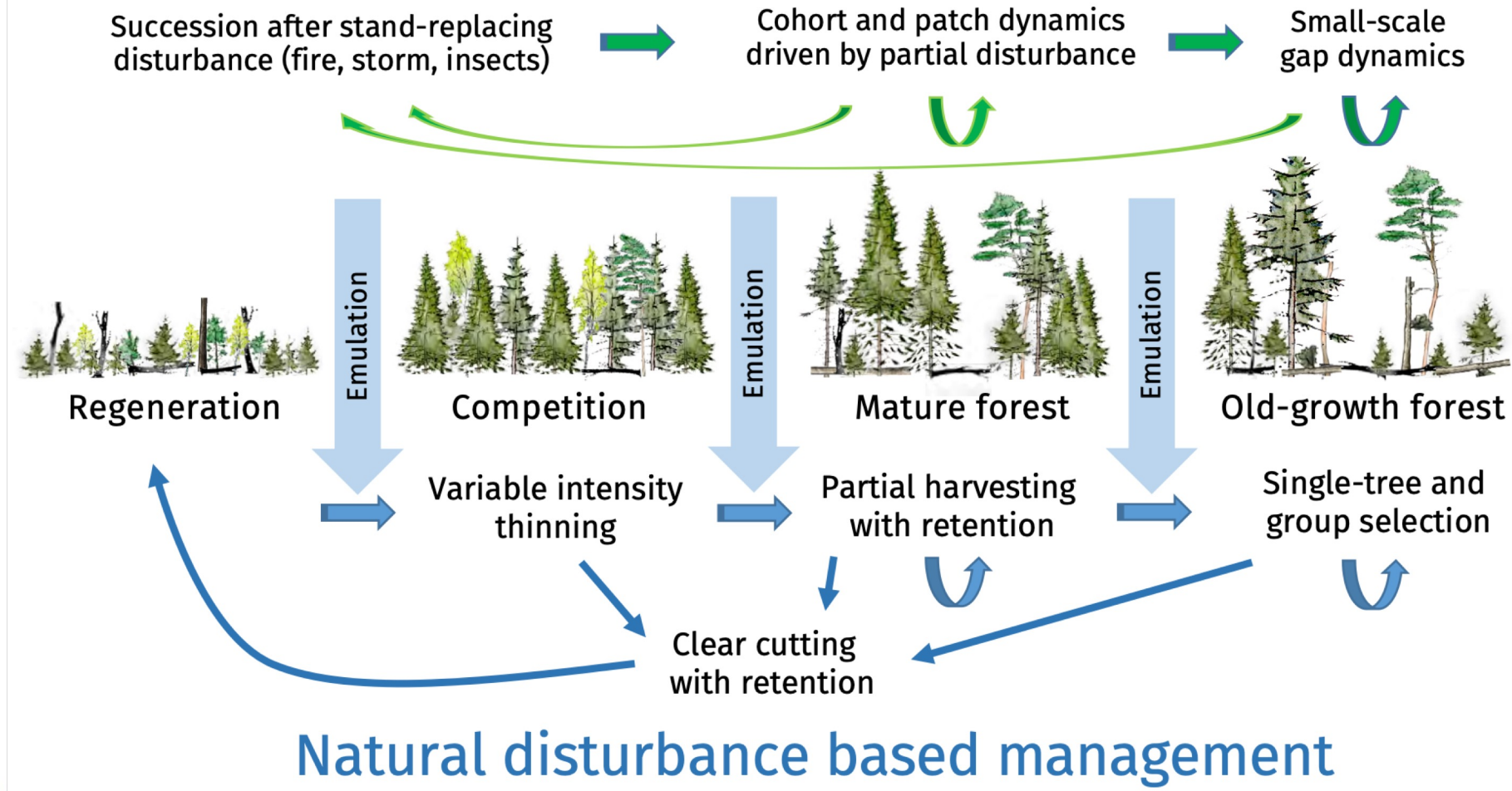
# Biodiversity along temperate forest succession (Hilmers et al. 2018)



Normalized sum of predicted number of species along forest succession in the Bavarian Forest National Park for the three kingdom animals, plants, and fungi. Stages: G=gap; R=regeneration; E=establishment; EO=early optimum; MO=mid-optimum; LO=late optimum; P=plenter; T=terminal; D=decay.



# Natural disturbance regime



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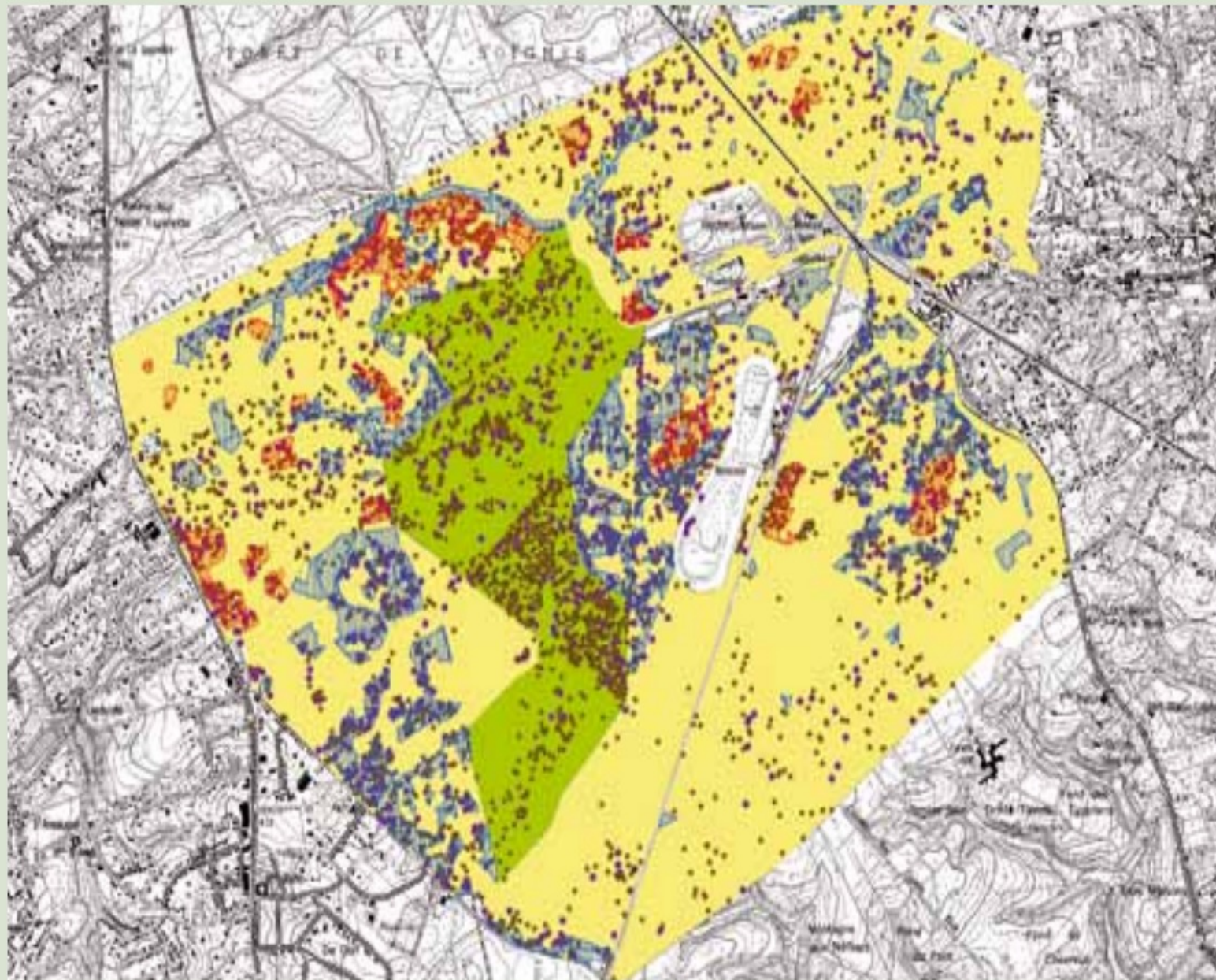








Ampia scala



**Figure 31.** Part of the Sonian forest, showing the strict forest reserve (green), set aside areas (red), senescence islands (blue), and position of very large trees >3 m (brown) and > 3.50 m girth (purple).



Pianificazione



# Grazie dell'ascolto!

INFO E CONTATTI

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