



SCERIN-4 Capacity Building Workshop
Faculty of Forestry, Technical University in Zvolen, Slovakia



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POSITIVE RESPONSES TO RECENT CLIMATE CHANGES IN THE VEGETATION ACTIVITY OF THE COMMON BEECH (*FAGUS SYLVATICA L.*) ECOSYSTEMS IN CROATIA

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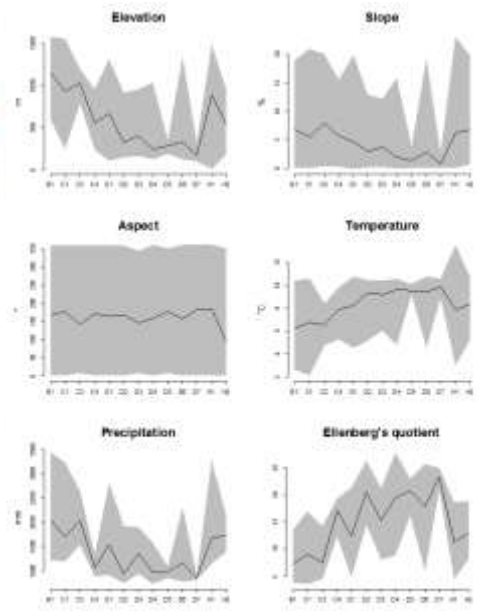
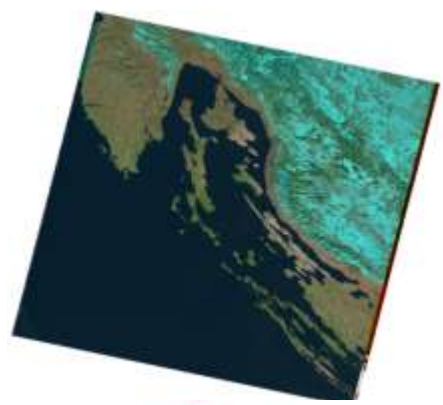
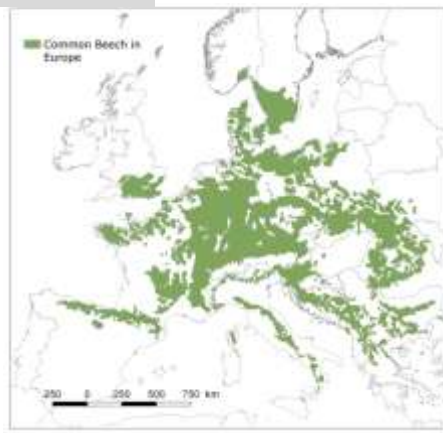
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International River Basins of EUROPE

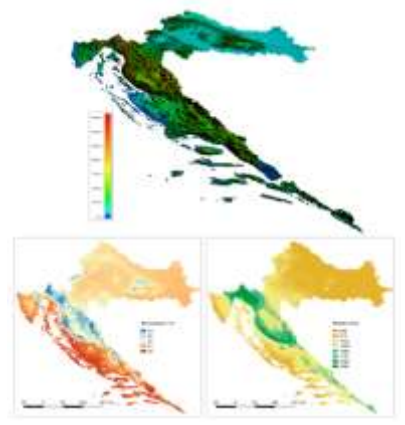


Bioclimate B: subalpine beech forests (*Fagus sylvatica* - *Fagus sylvatica*)
 • Above 1200 m
 • Different exposures and inclinations
 • Average year temp. 8 °C

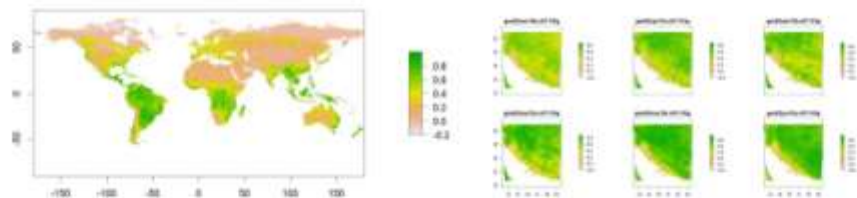
Bioclimate C: beech-fir forests (*Abies alba* - *Fagus sylvatica*)
 • Up to 1600-1800 m
 • Different exposures and inclinations
 • Average year temp. 8 °C

Bioclimate D: submontainous beech forests (*Larix laricina* - *Fagus sylvatica*, *Cephalanthus longifolius* - *Fagus sylvatica*, *Vico orboides* - *Fagus sylvatica*)
 • Different exposures and inclinations
 • Up to 800 m
 • Average year temp. 7-11 °C

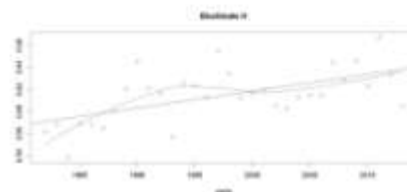
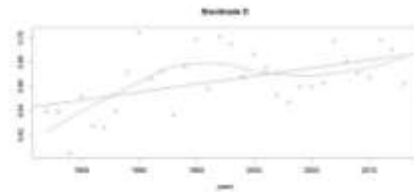
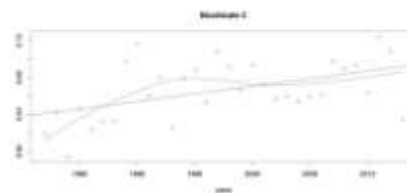
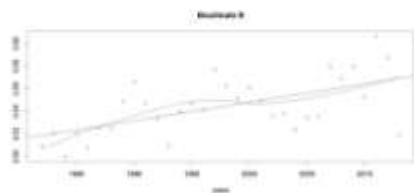
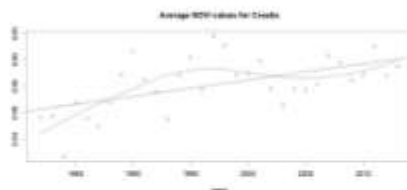
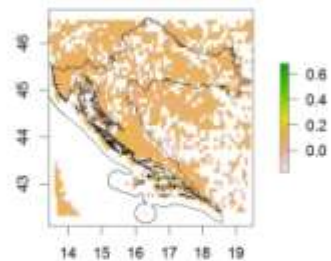
Bioclimate H: maritime mountainous beech forests (*Sequoia* - *Fagus sylvatica*, *Castanea* - *Fagus sylvatica*)
 • Up to 600-1300 m
 • Different exposures and inclinations
 • Average year temp. 8 °C



**Global Inventory Modeling and Mapping Studies
(NOAA AVHRR GIMMS NDVI, 1982-2013)**



significant NDVI change in Croatia



**European Climate Assessment & Dataset (ECA&D)
E-OBS daily gridded data**

