

# 1 The Biogeography of the Amazonian tree flora – supplementary information

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 258 135Medio Ambiente, PLUSPRETOL, Iquitos, Loreto, Peru  
 259 136The Mauritius Herbarium, Agricultural Services, Ministry of Agro-Industry and Food Security, Reduit, 80835, Mauritius  
 260 137Department of Biology, Aarhus University, Building 1540, Aarhus C, Aarhus, 8000, Denmark  
 261 138Escuela de Ciencias Forestales (ESFOR), Universidad Mayor de San Simon (UMSS), Sacta, Cochabamba, Bolivia  
 262 139FOMABO, Manejo Forestal en las Tierras Tropicales de Bolivia, Sacta, Cochabamba, Bolivia  
 263 140Departamento de Ciencias Forestales, Universidad Nacional de Colombia, Calle 64 x Cra 65, Medellín, Antioquia, 1027,  
 264 Colombia  
 265 141Fundación Amigos de la Naturaleza (FAN), Km. 7 1/2 Doble Vía La Guardia, Santa Cruz, Bolivia  
 266 142Tropenbos International, Horaplantsoen 12, Ede, 6717 LT, The Netherlands  
 267 143School of Anthropology and Conservation, University of Kent, Marlowe Building, Canterbury, Kent, CT2 7NR, UK  
 268 144Herbario Nacional del Ecuador, Universidad Técnica del Norte, Quito, Pichincha, Ecuador  
 269 145Instituto de Biodiversidade e Florestas, Universidade Federal do Oeste do Pará, Rua Vera Paz, Campus Tapajós,  
 270 Santarém, PA, 68015-110, Brazil  
 271 146Department of Biology, University of Missouri, St. Louis, MO, 63121, USA  
 272 147Department of Physics, Federal University of Santa Catarina, Florianópolis, SC, 88040-900, Brazil  
 273 148Quantitative Biodiversity Dynamics, Utrecht University, Padualaan 8, Utrecht, 3584 CH, The Netherlands

## 274 Content

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276 used for analyses. Amazonian Regions<sup>2,3</sup>: GS, Guiana Shield; CA, central Amazonia; EA, eastern Amazonia; SA, southern  
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281 Background: Visible Earth NASA (<https://visibleearth.nasa.gov/> © NASA).

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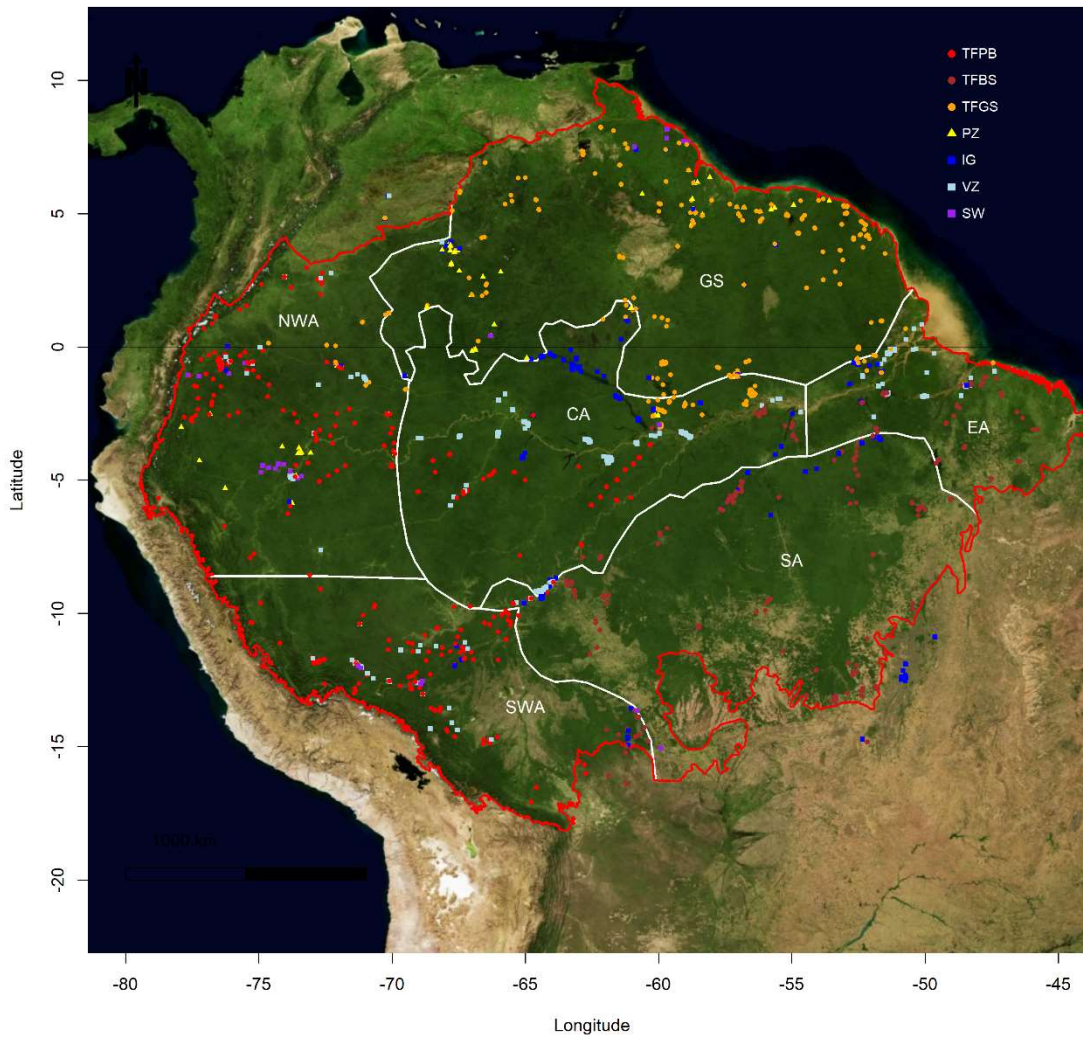
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308

ATDN plots, n = 2023

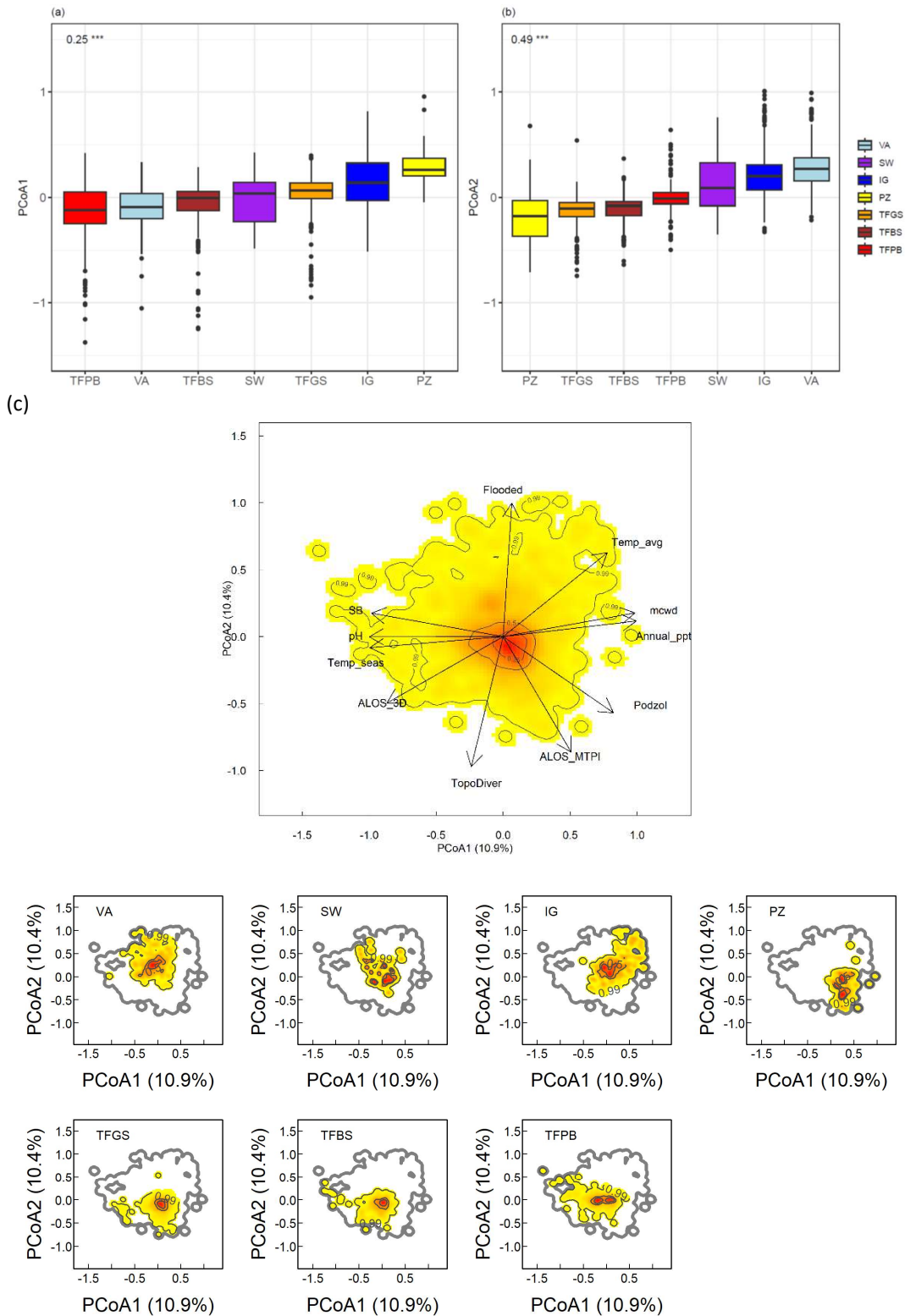


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 316 Background: Visible Earth NASA (<https://visibleearth.nasa.gov/>) © NASA).

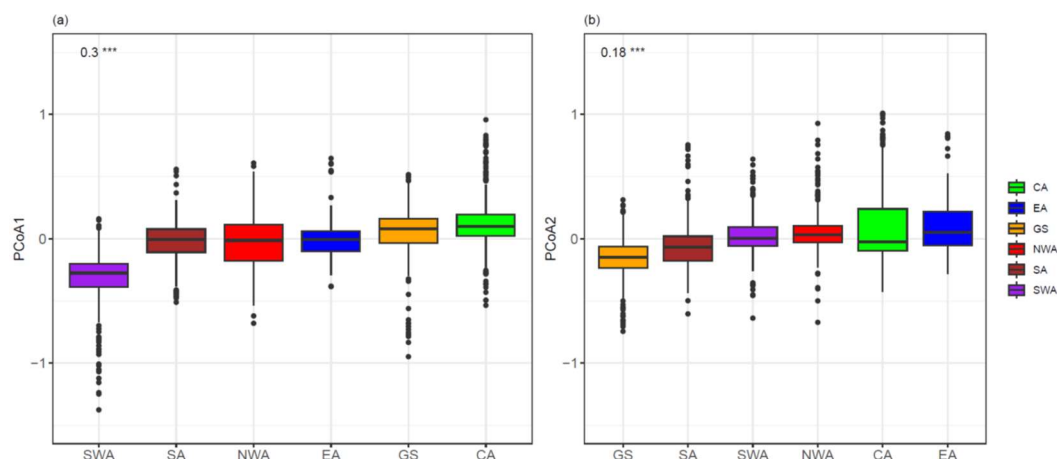
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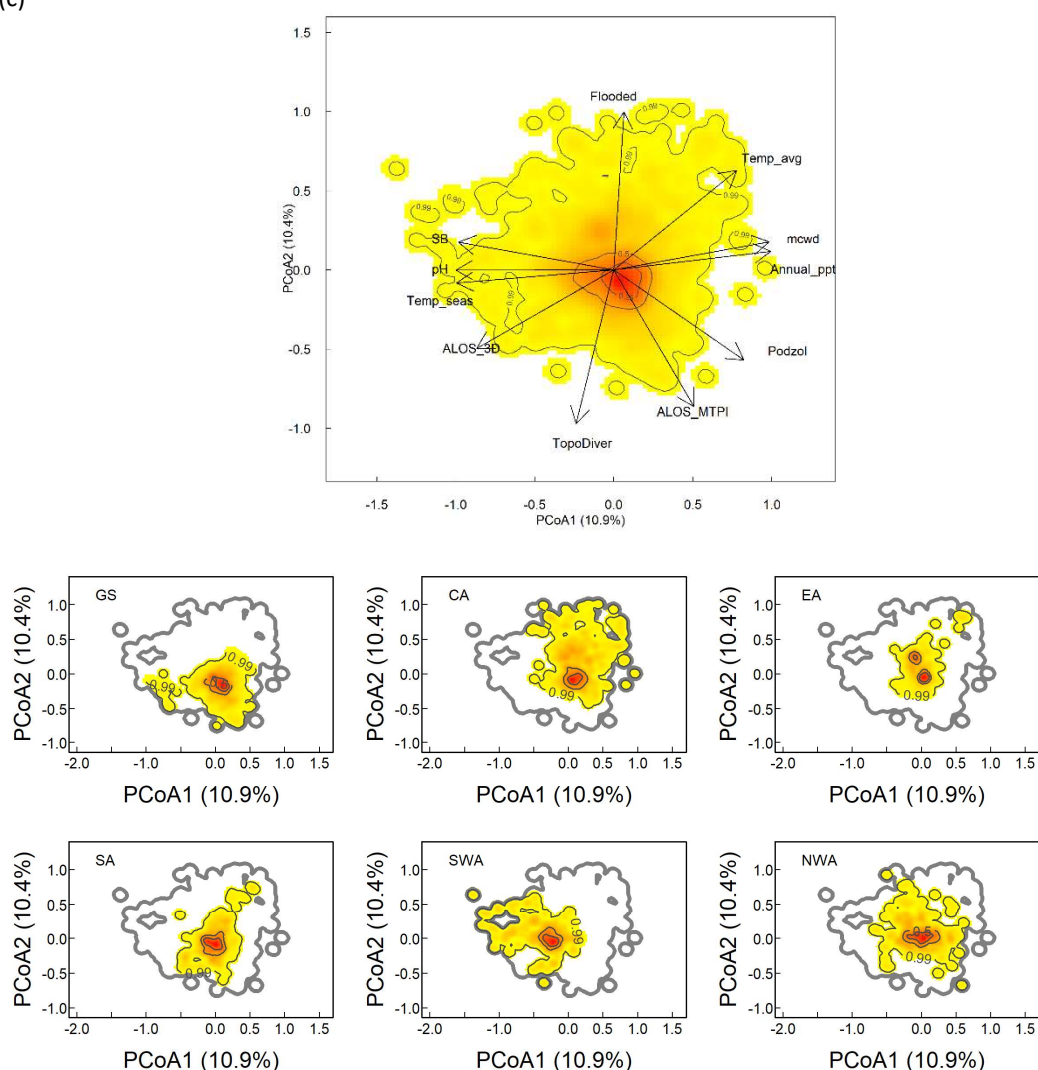


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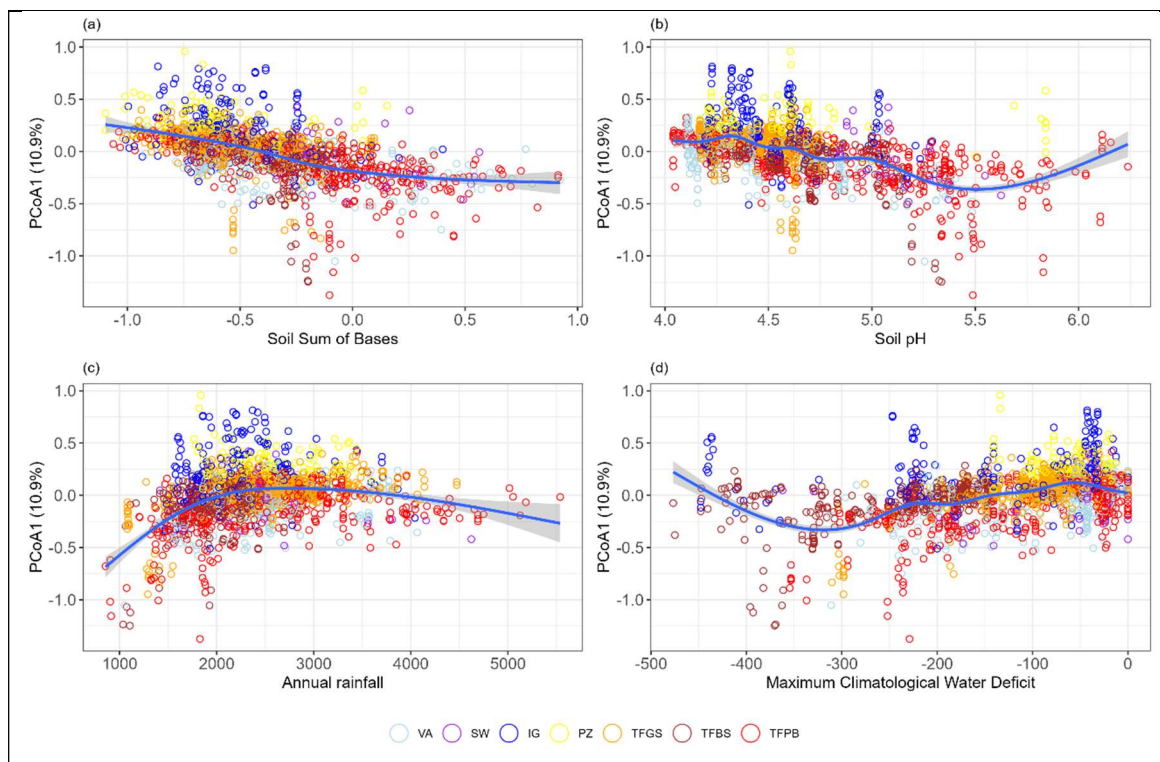




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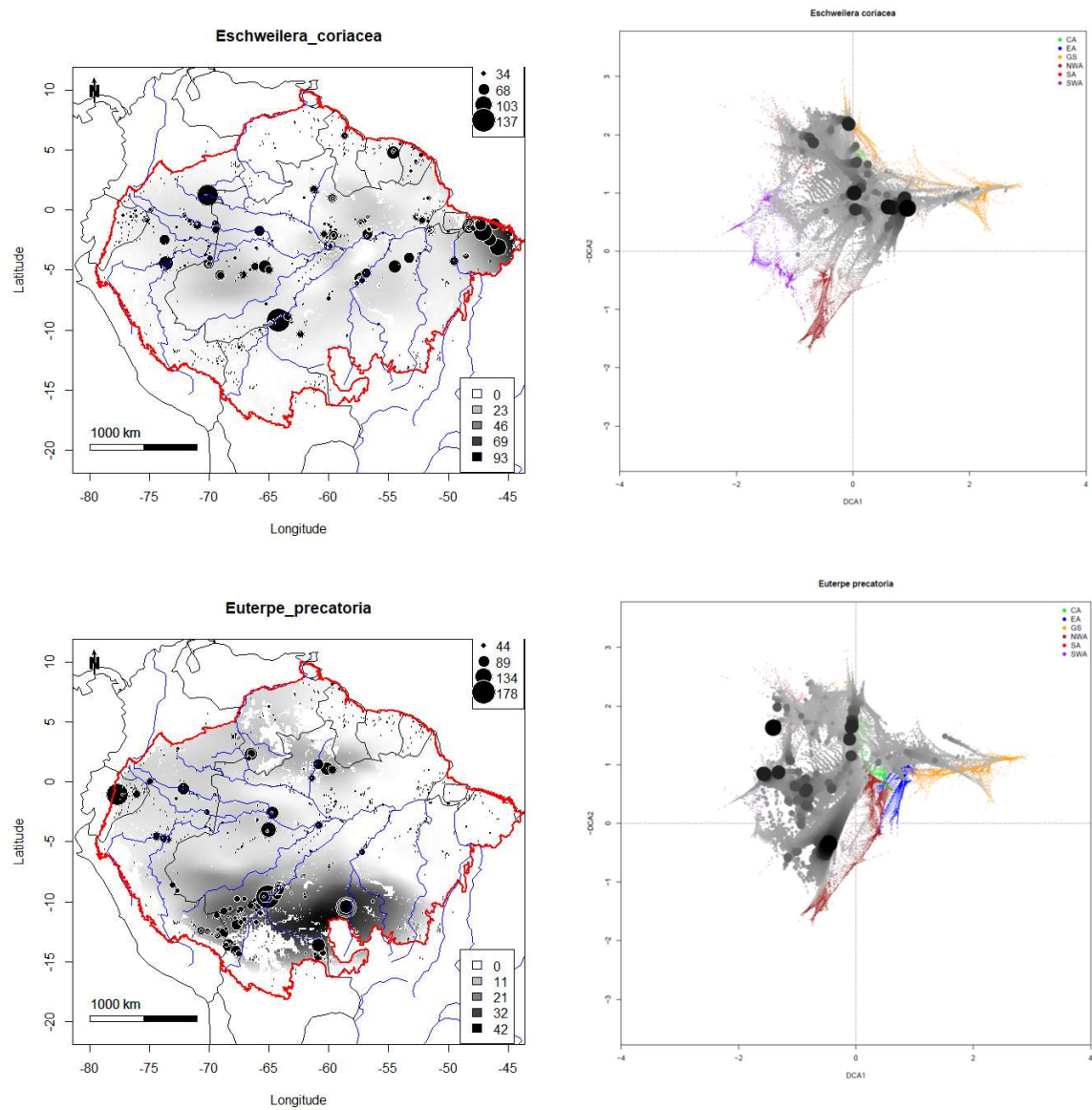


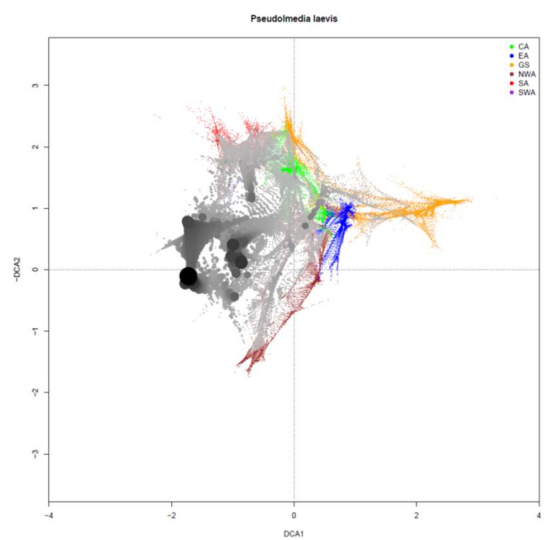
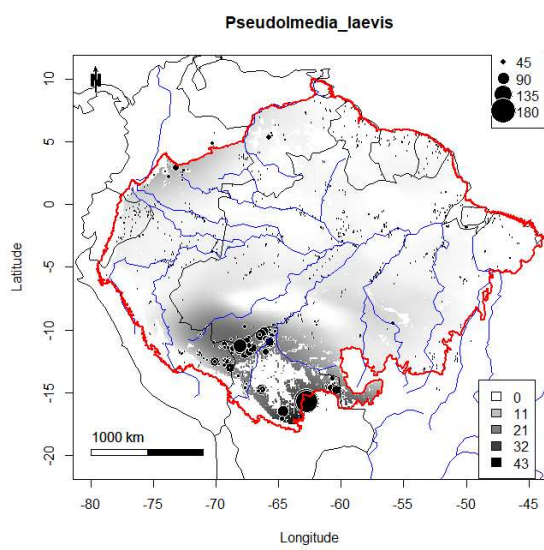
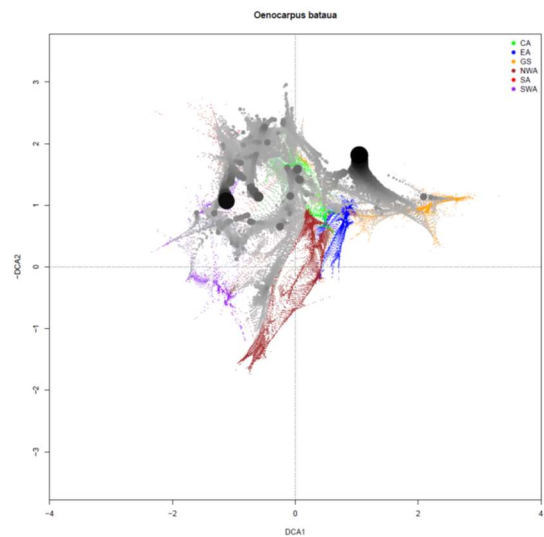
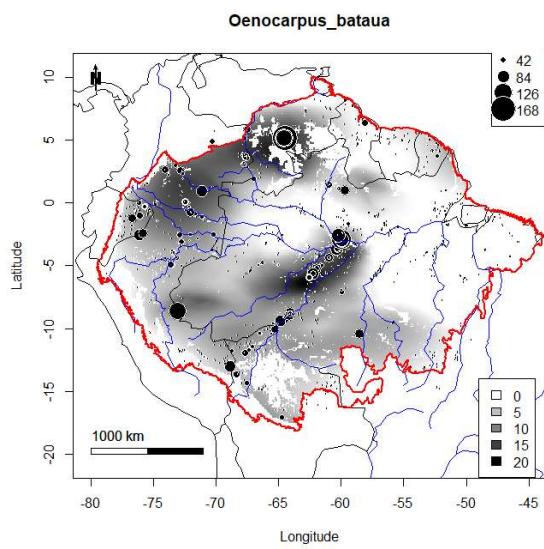
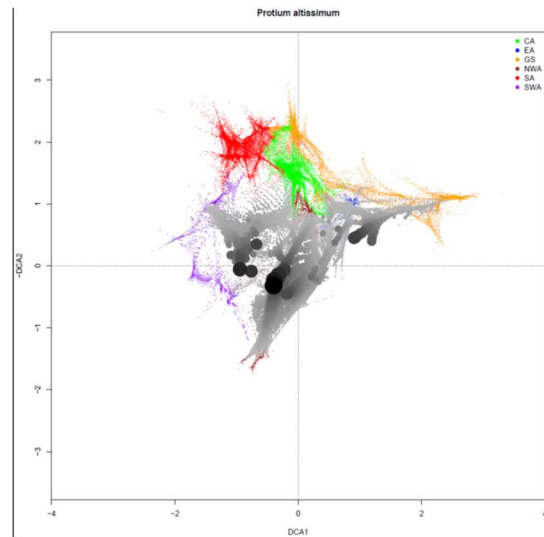
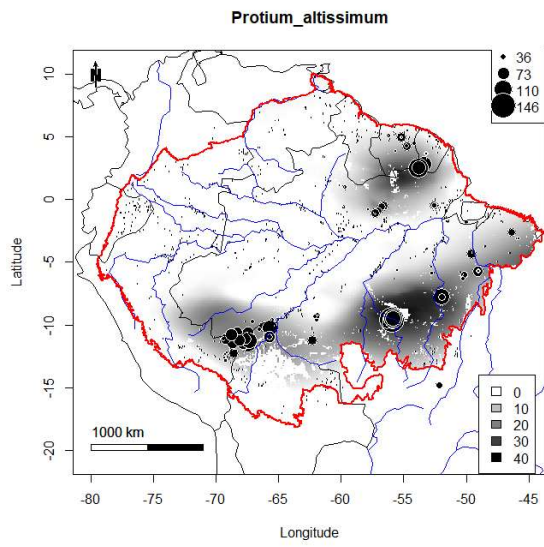
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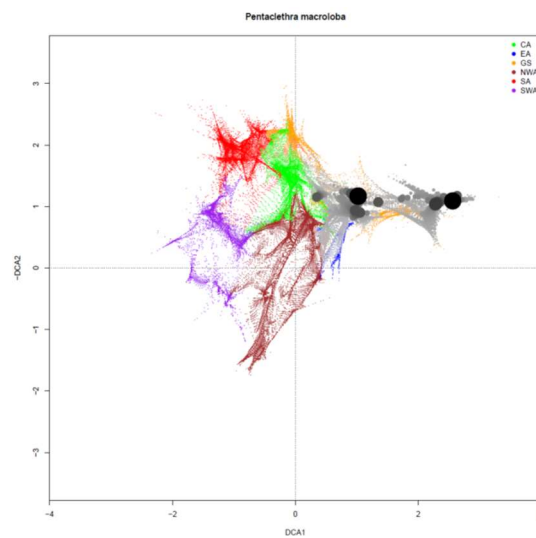
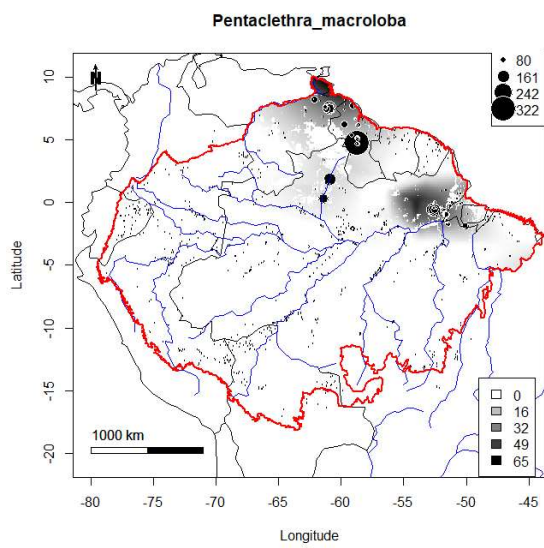
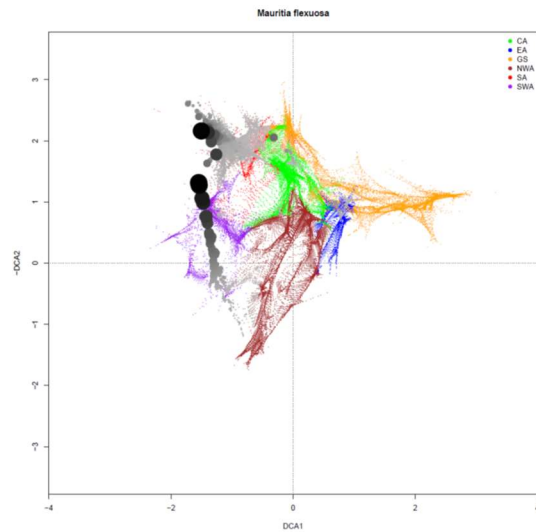
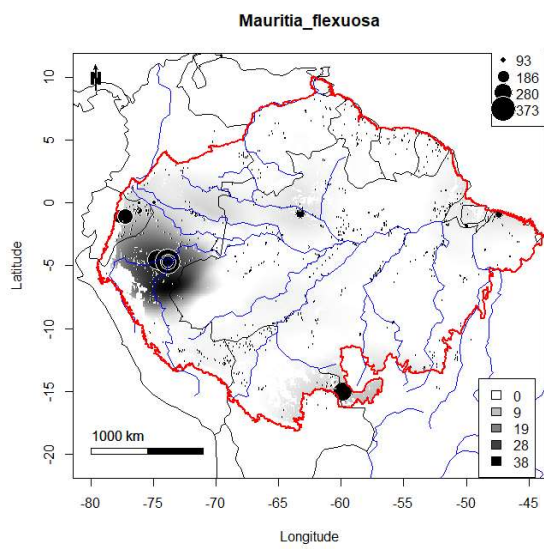
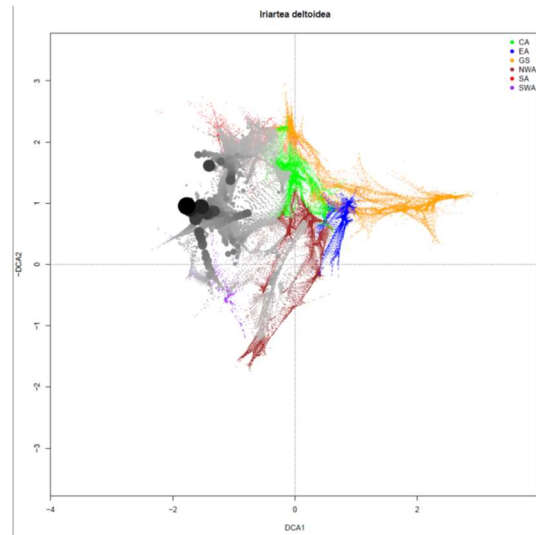
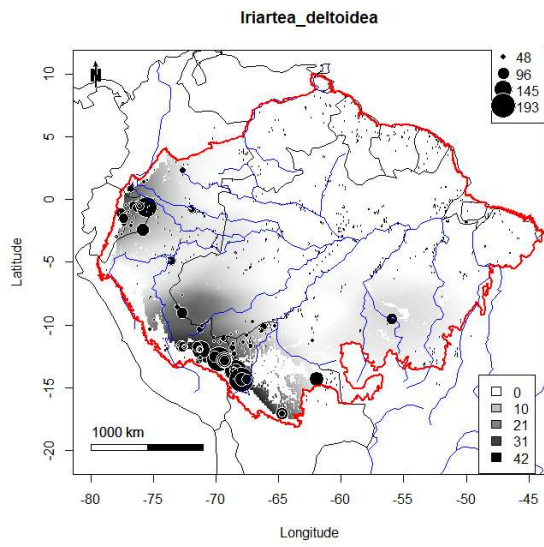
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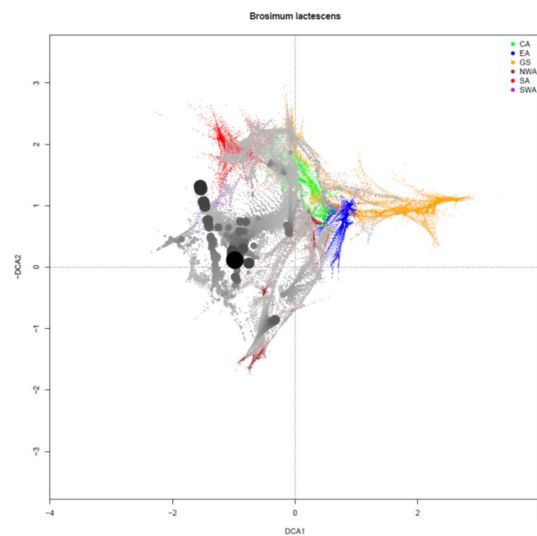
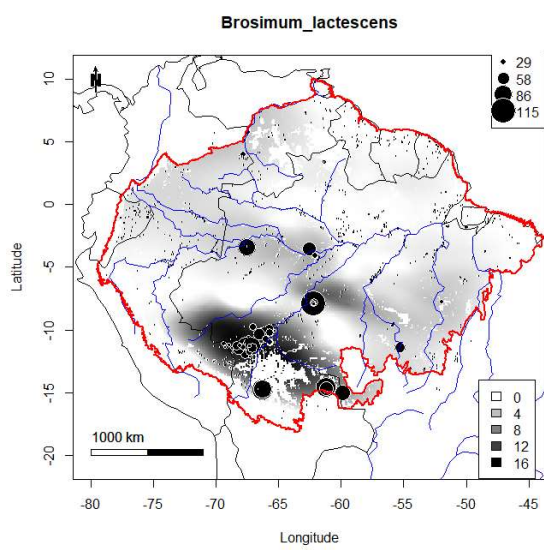
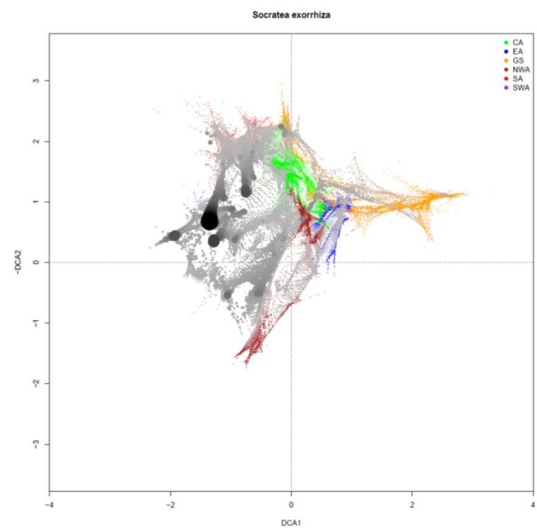
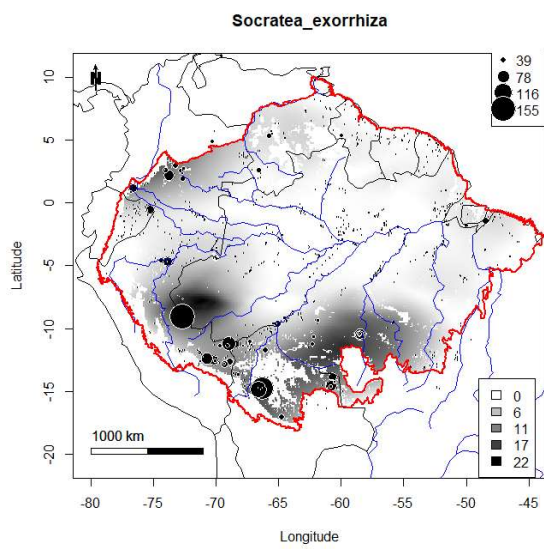
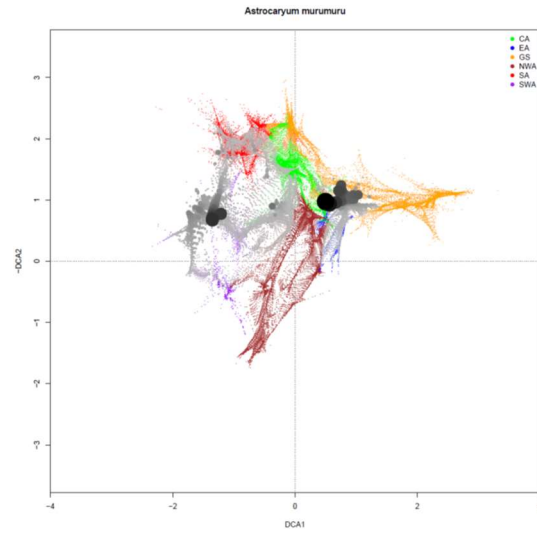
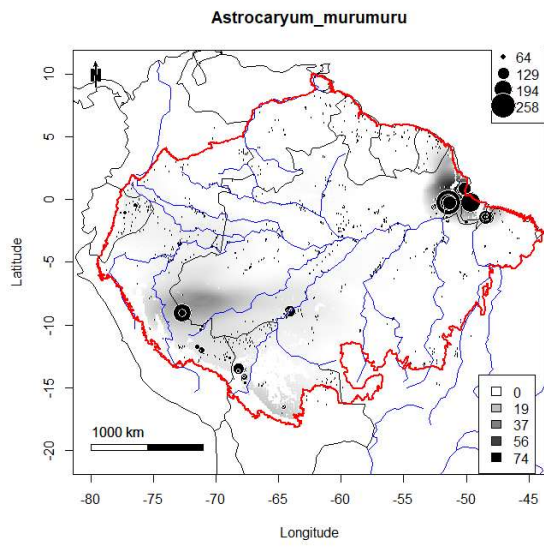
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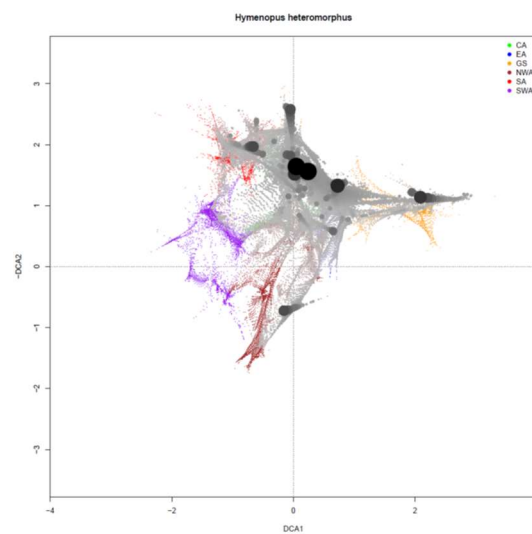
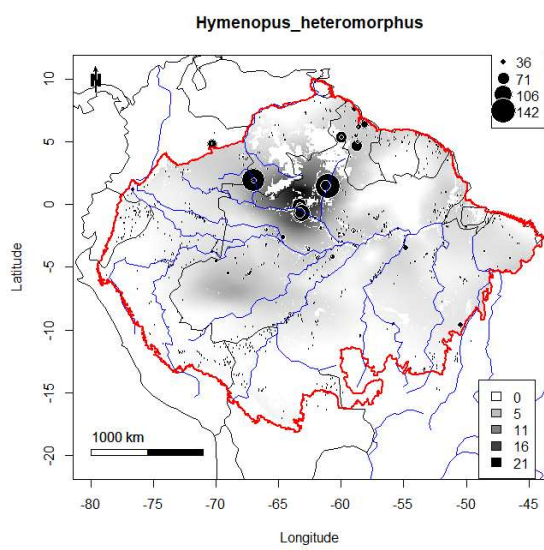
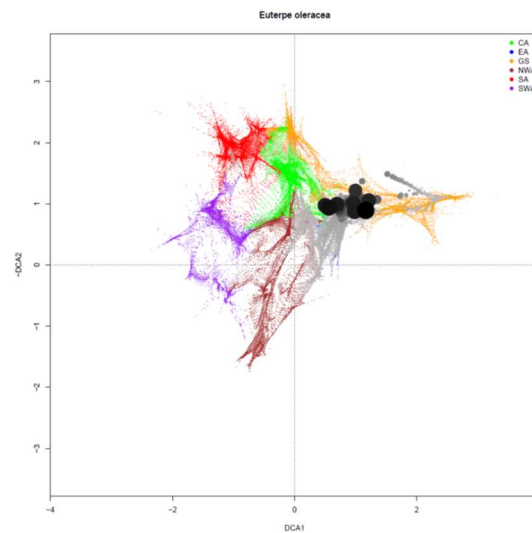
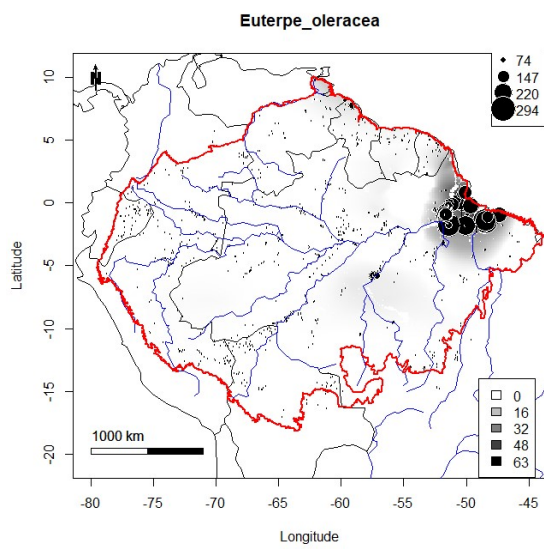
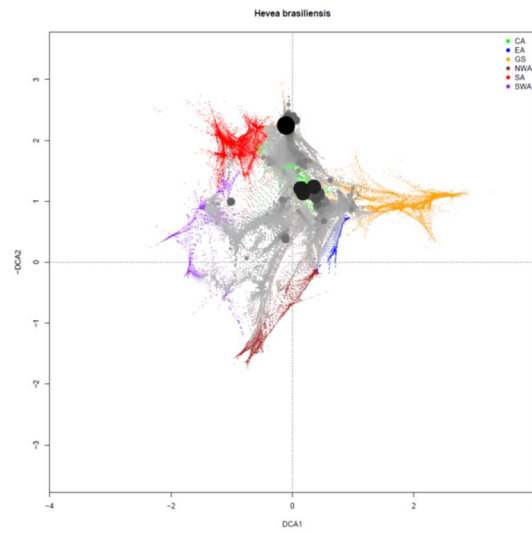
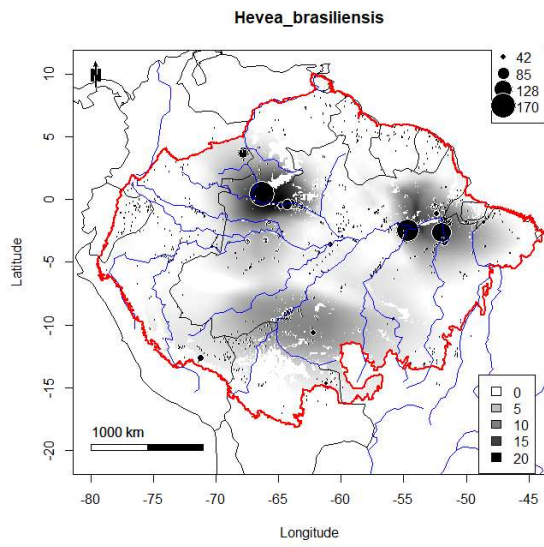




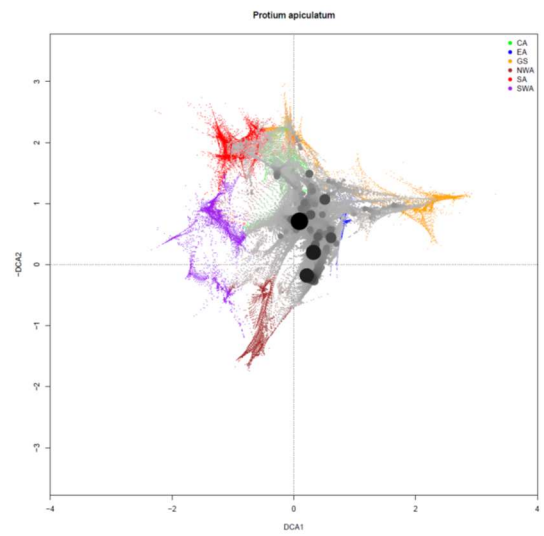
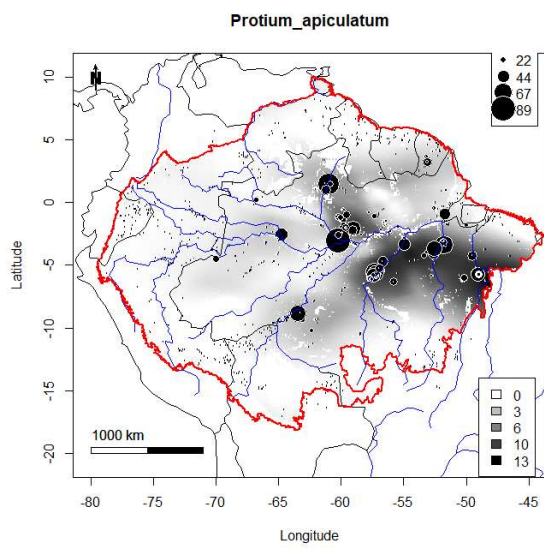
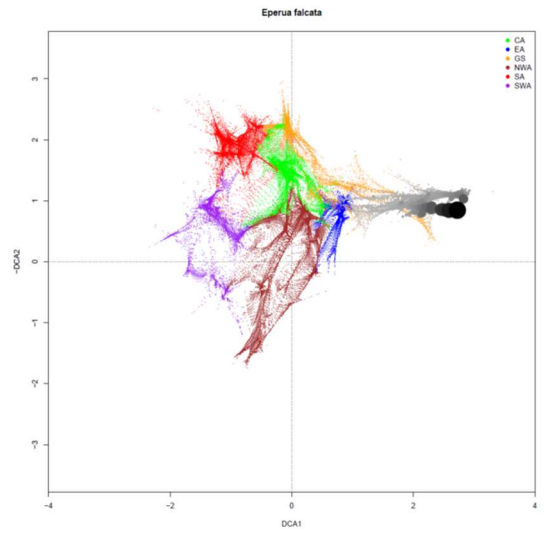
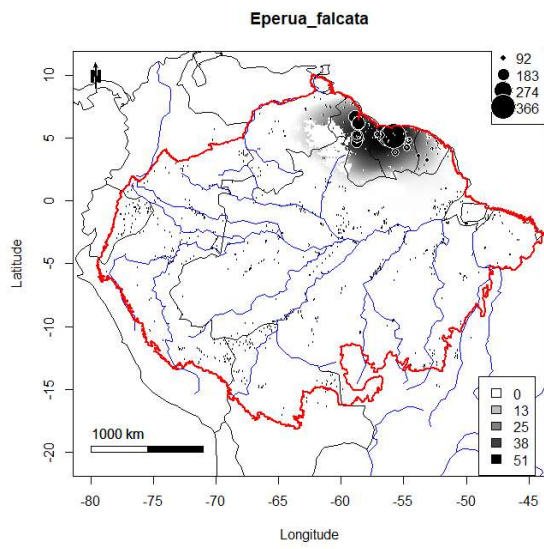
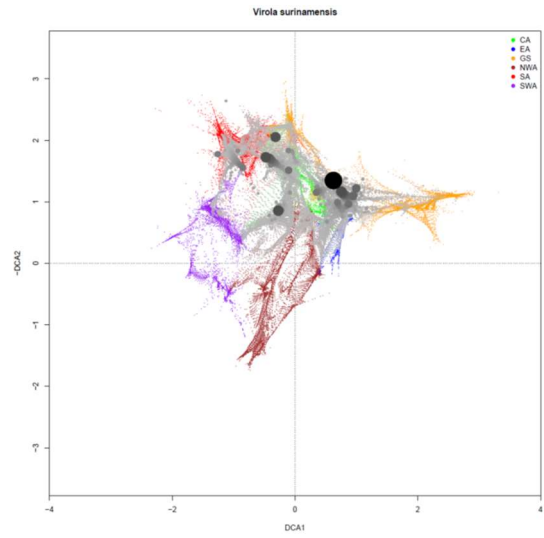
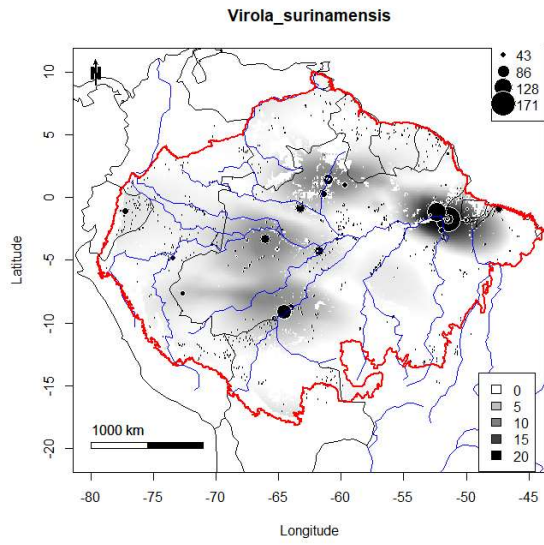


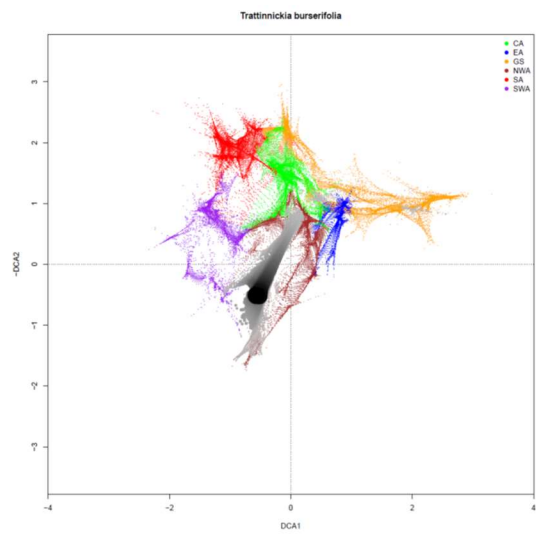
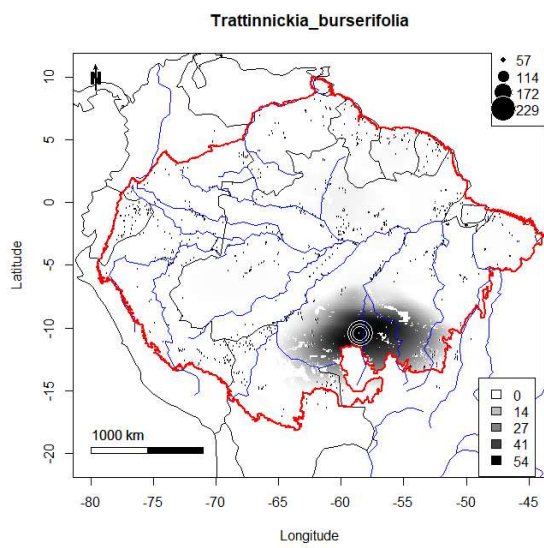
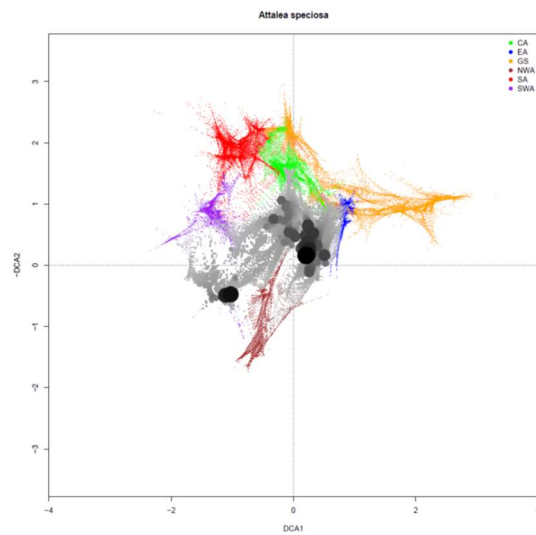
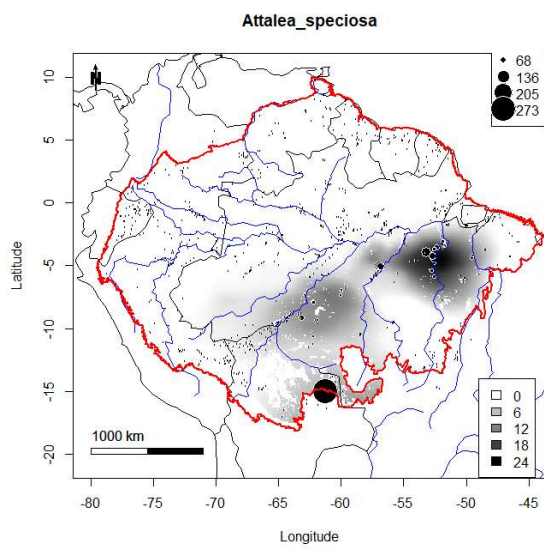
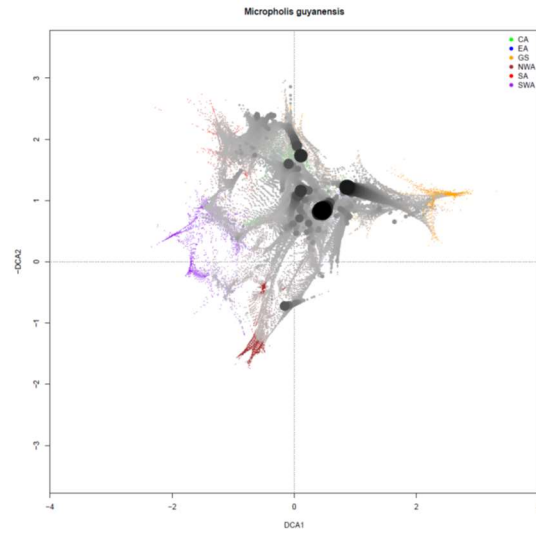
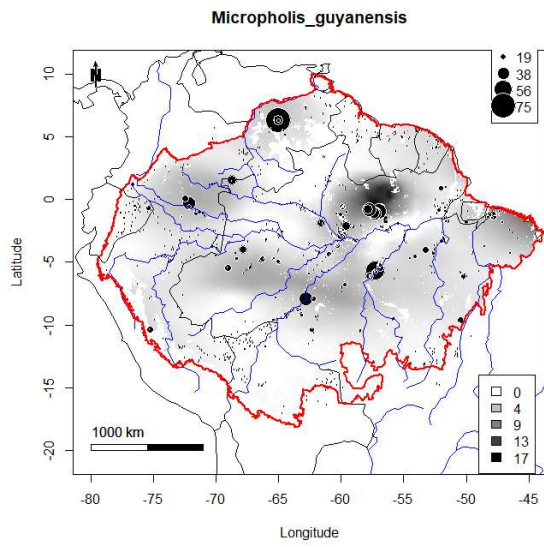




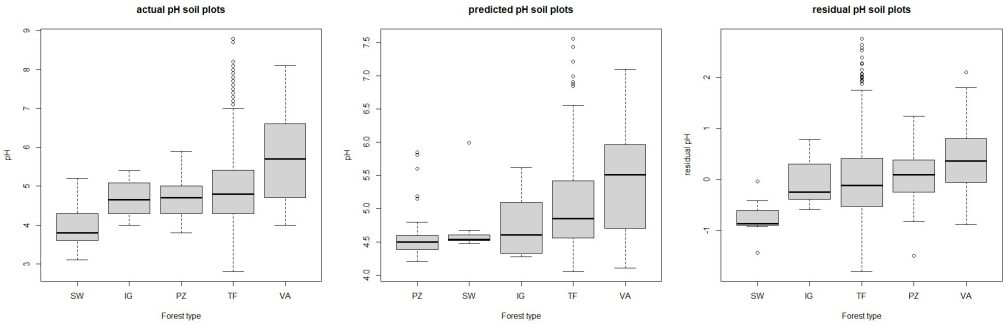
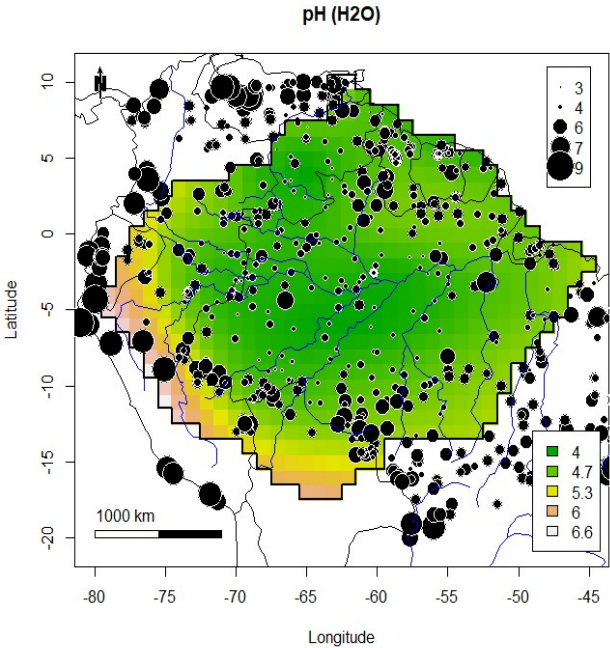








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**Supplementary Fig. 25. Example of the loess model to estimate the gradient in pH across Amazonia.** Points in the map are the actual locations where pH was sampled, the colours depict the interpolated gradient for pH. Inset box plots show the actual, predicted, and residual values for pH for the forest types where the parameter was measured. Maps created with a custom R<sup>5</sup> script. Base map source (country.shp, rivers.shp): ESRI (<http://www.esri.com/data/basemaps>, © Esri, DeLorme Publishing Company). Maps created with custom R<sup>5</sup> script.

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