

Supplemental Material

for

Species Distribution Modelling: Contrasting presence-only models with plot abundance data

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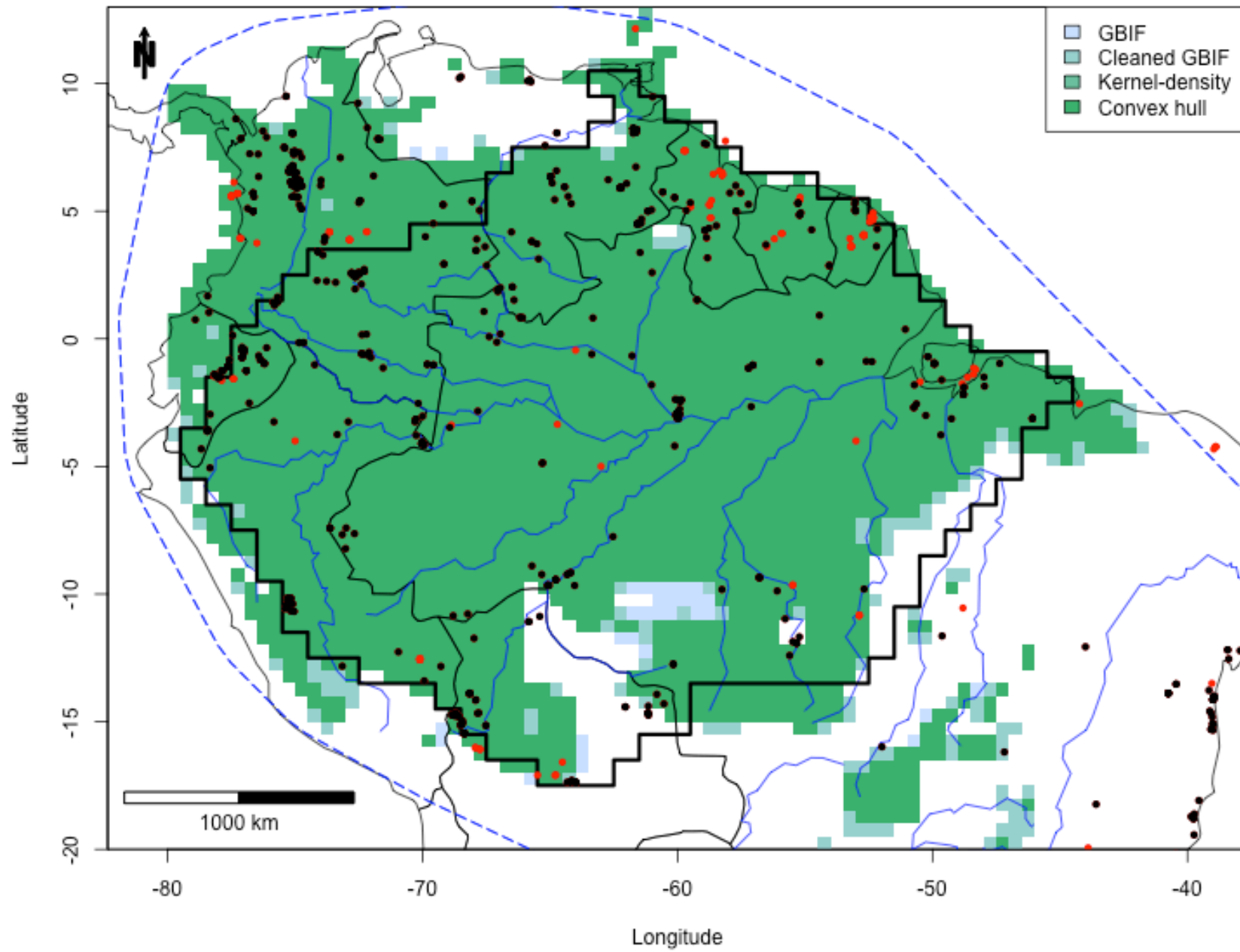
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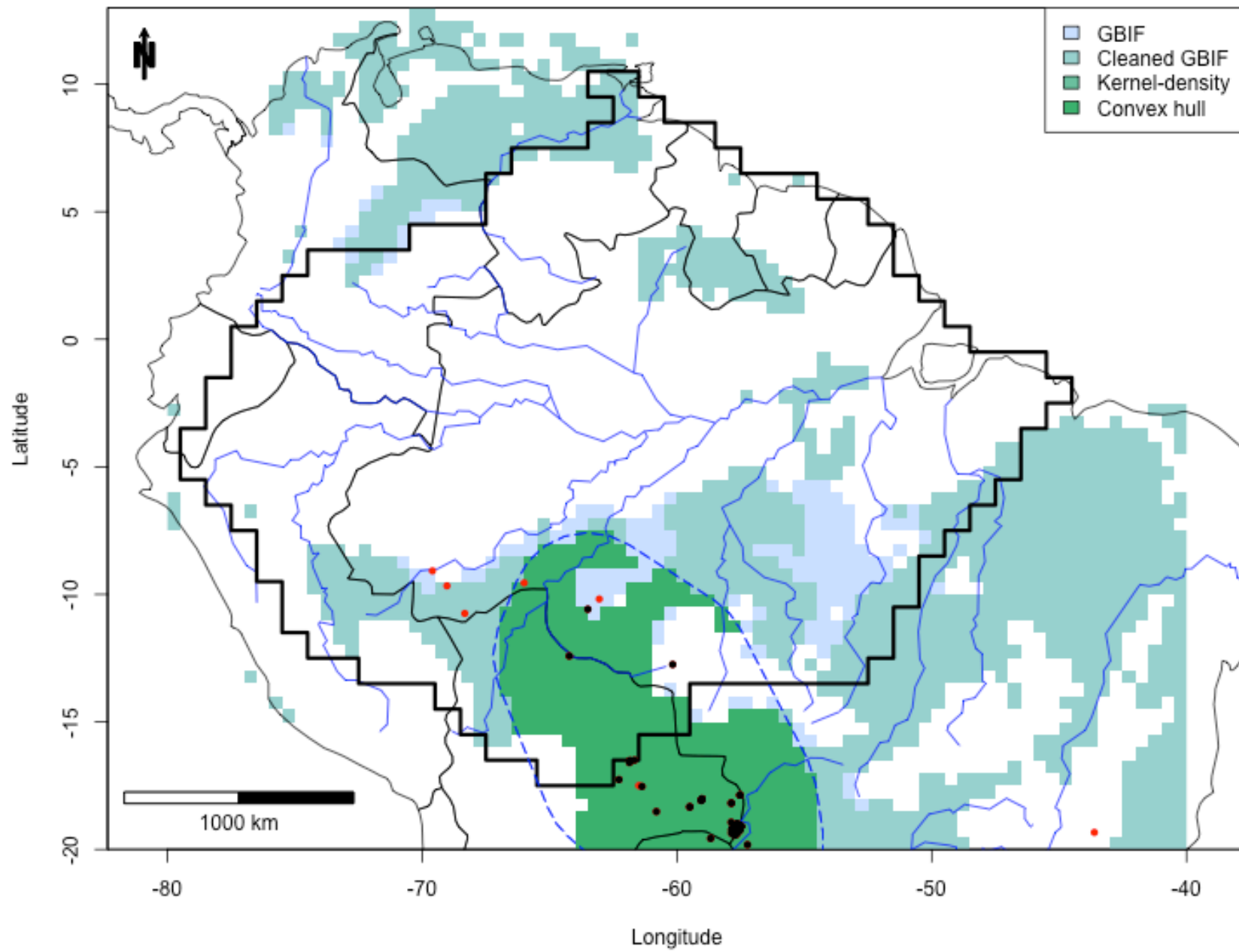
Appendix S5: Area of occupancy predicted by MaxEnt for each step of the modelling pipeline.

MaxEnt's environmental suitability maps for all 227 hyperdominant species for each step of the cleaning pipeline. *Red dots*: excluded records from original GBIF data using 'GeoClean' function and kernel density estimate. *Dashed blue line*: convex hull including all accepted collection localities plus a 300 km buffer. *Light blue*: Predicted area of occupancy using GBIF untreated data (GBIF records). *Light green*: Predicted area of occupancy using GBIF data with GeoClean treatment (cleaned GBIF records). *Medium green*: Predicted area of occupancy using GBIF data with 'GeoClean' function and kernel density estimate treatments (kernel density). *Dark green*: Final, accepted, area of occupancy using 'GeoClean' function, kernel density estimate, convex hull and buffer treatments (kernel density estimate GBIF records). Maps created with custom R script. Base map source (country.shp, rivers.shp): ESRI (<http://www.esri.com/data/basemaps>, © Esri, DeLorme Publishing Company).

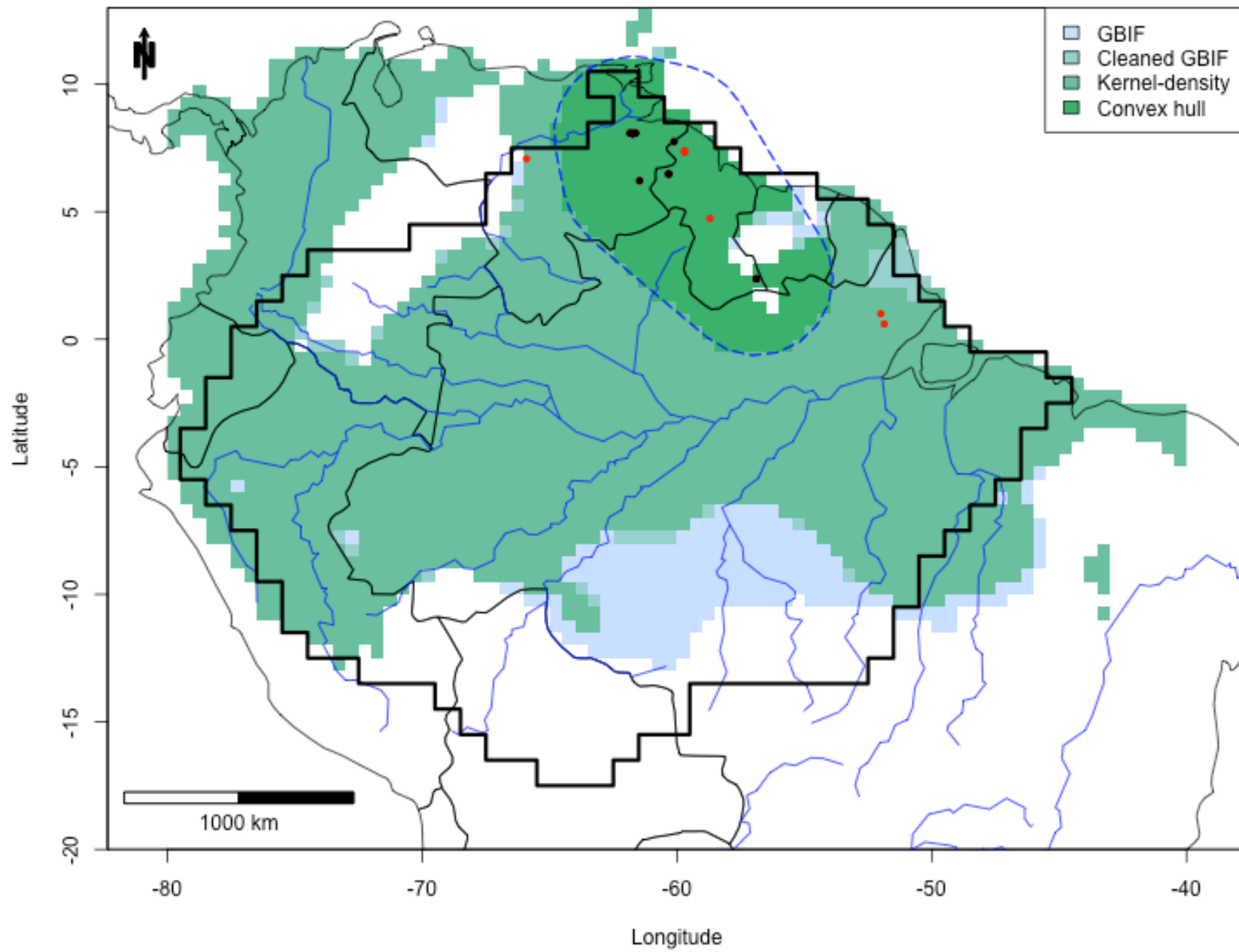
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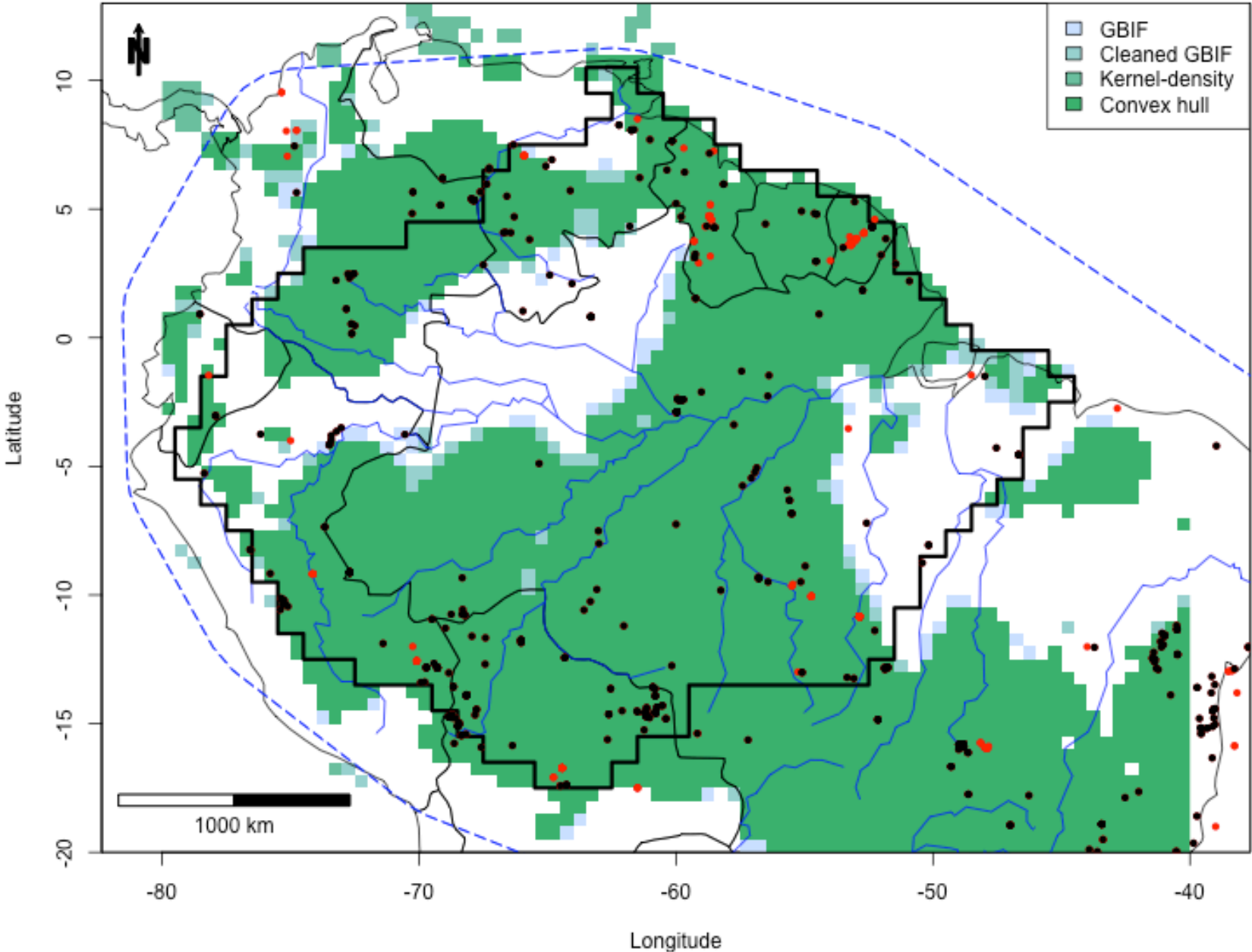
Acosmium cardenasii



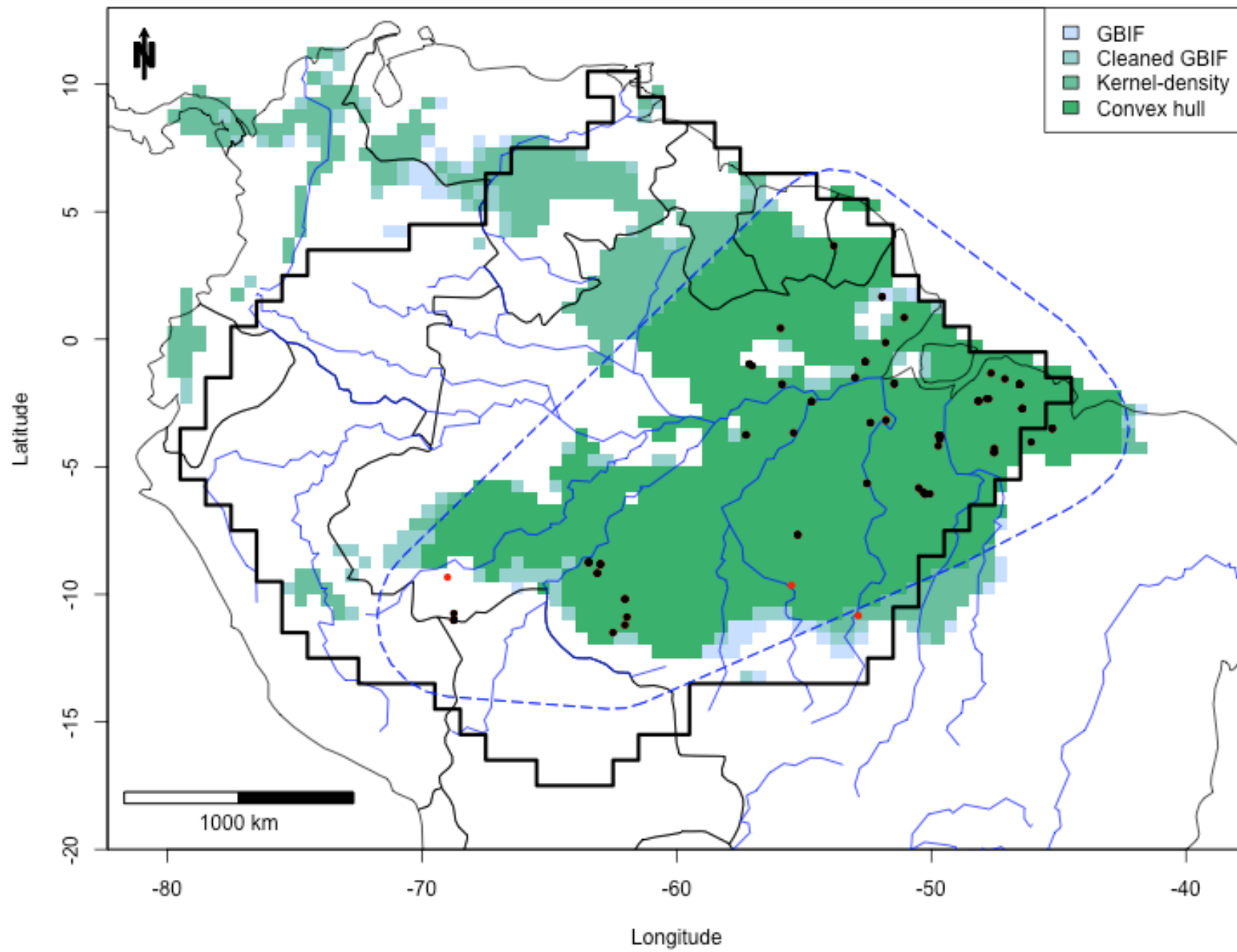
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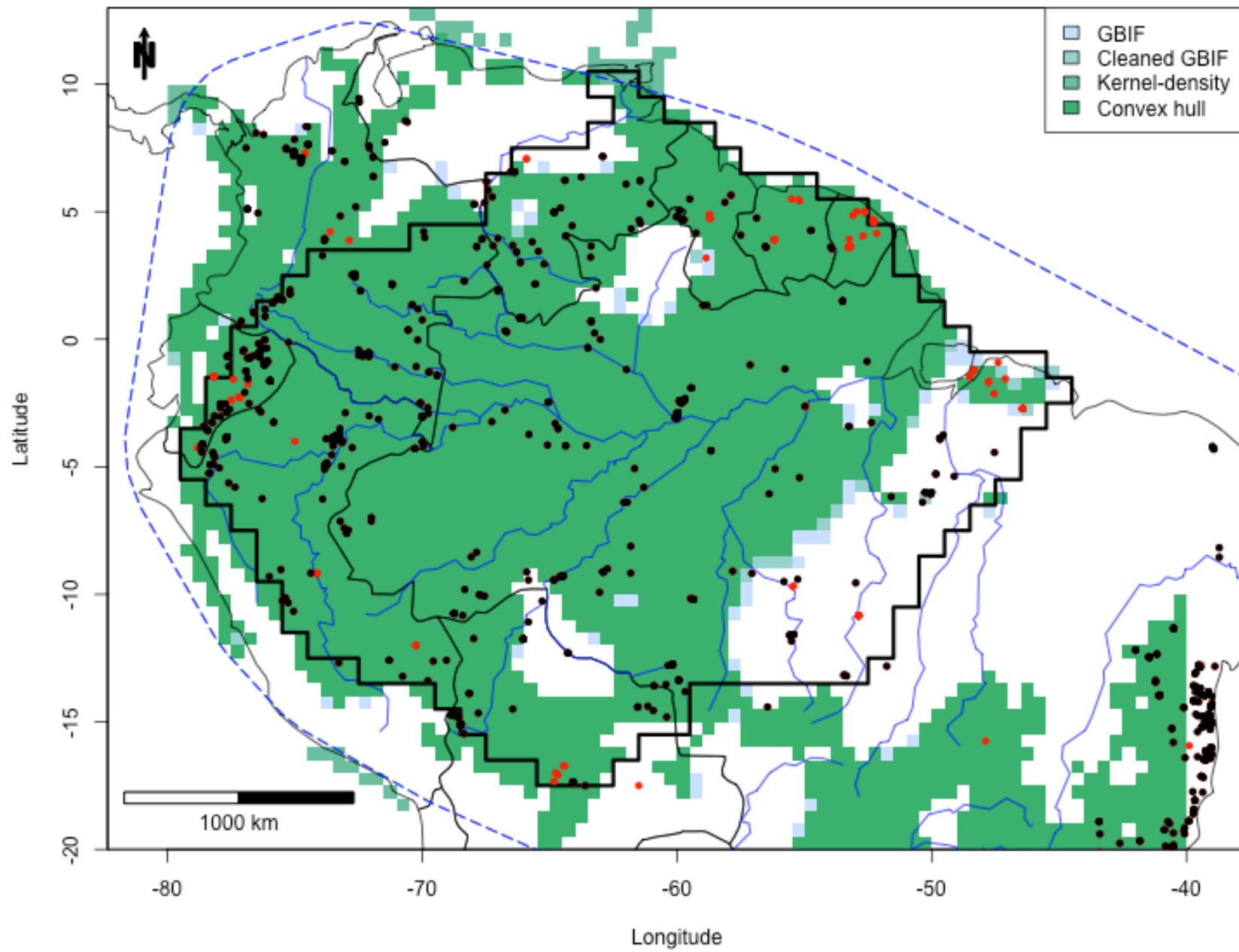
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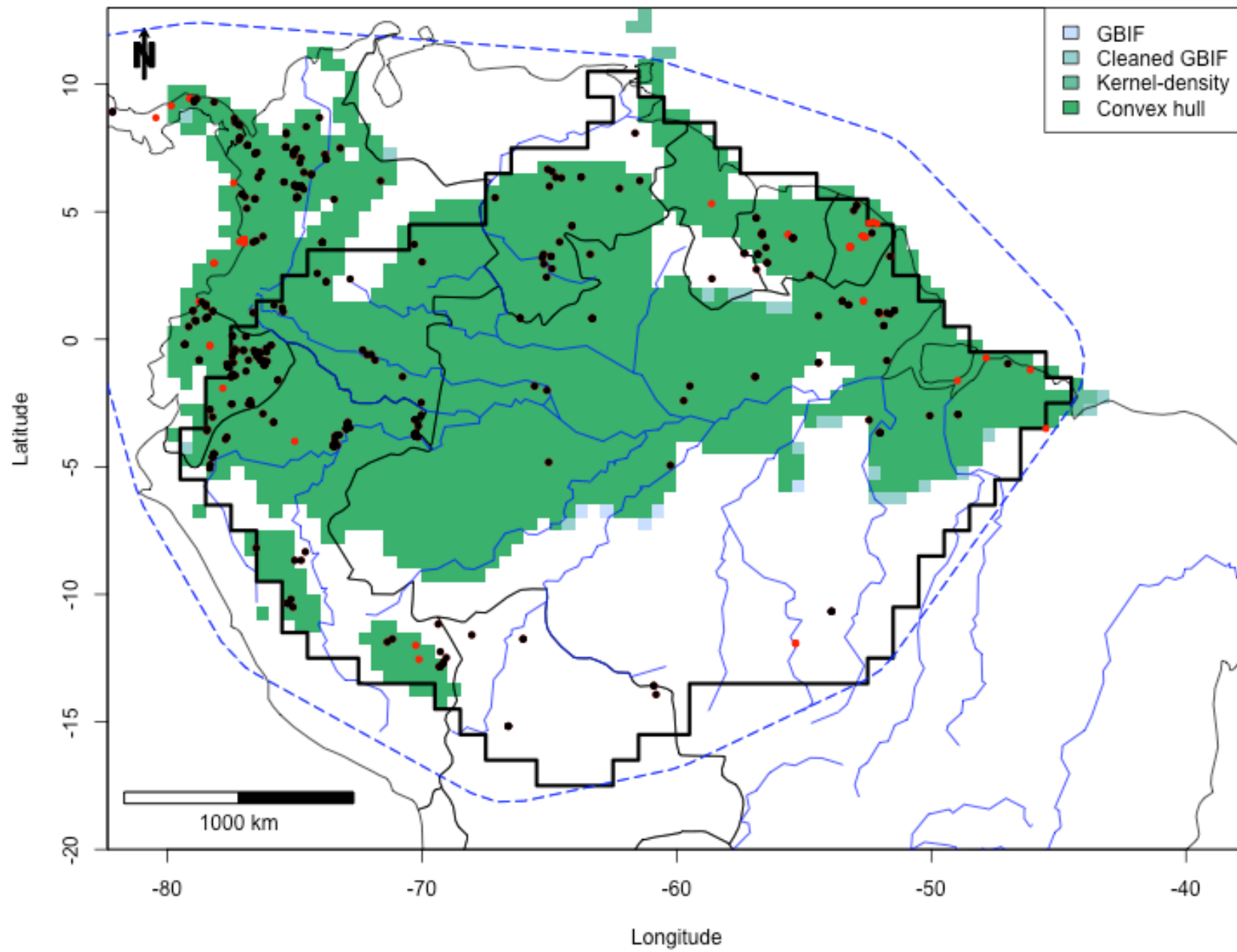
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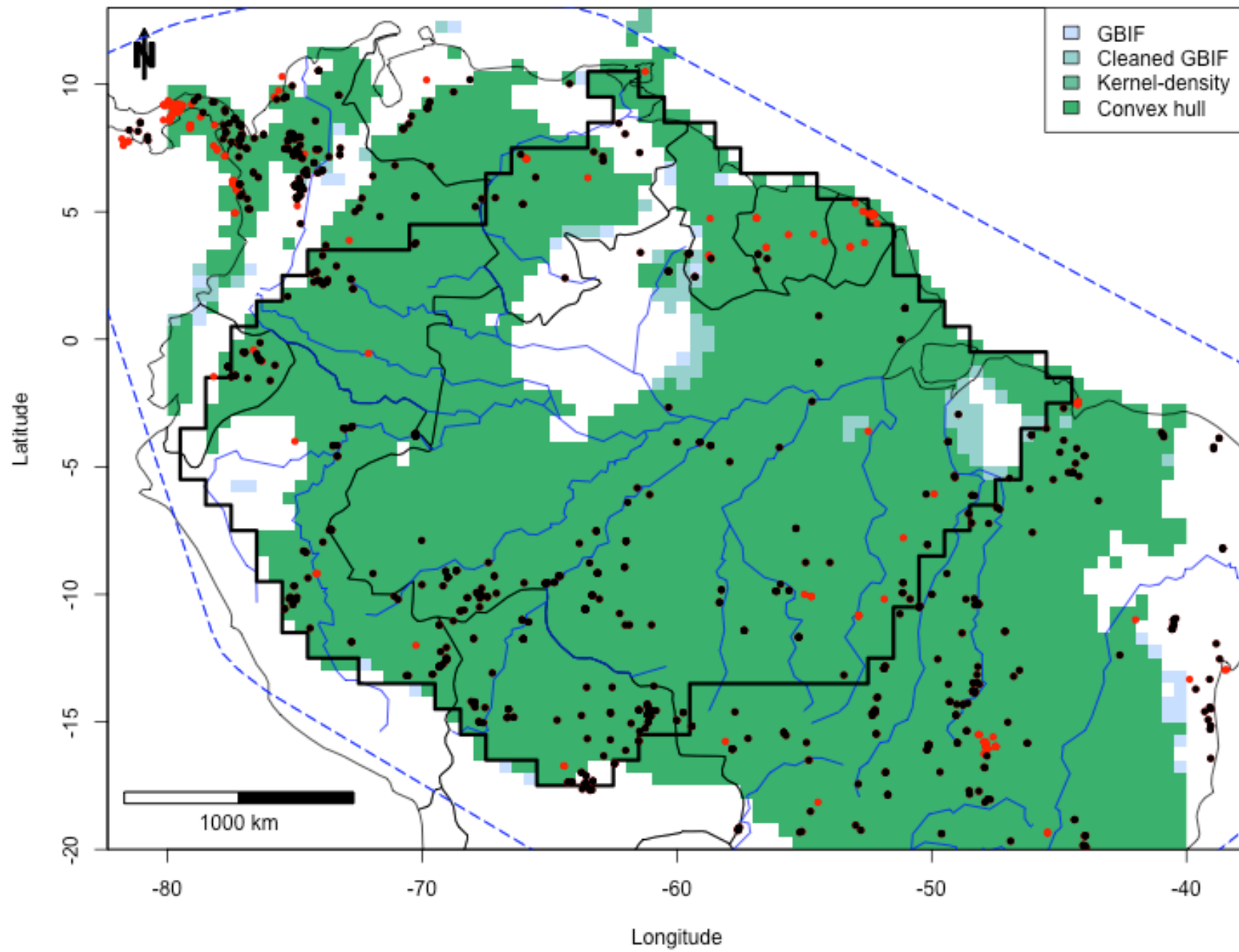
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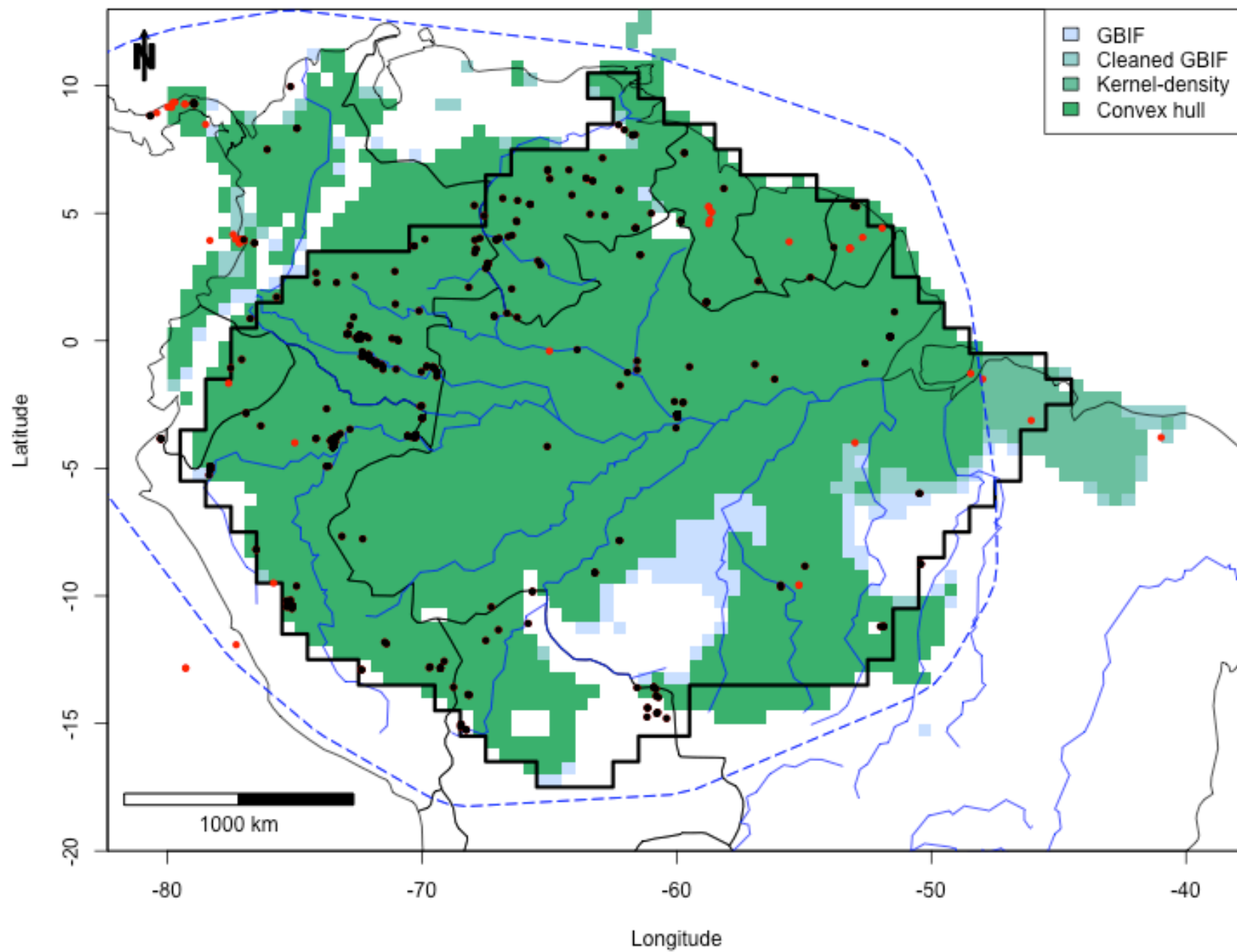
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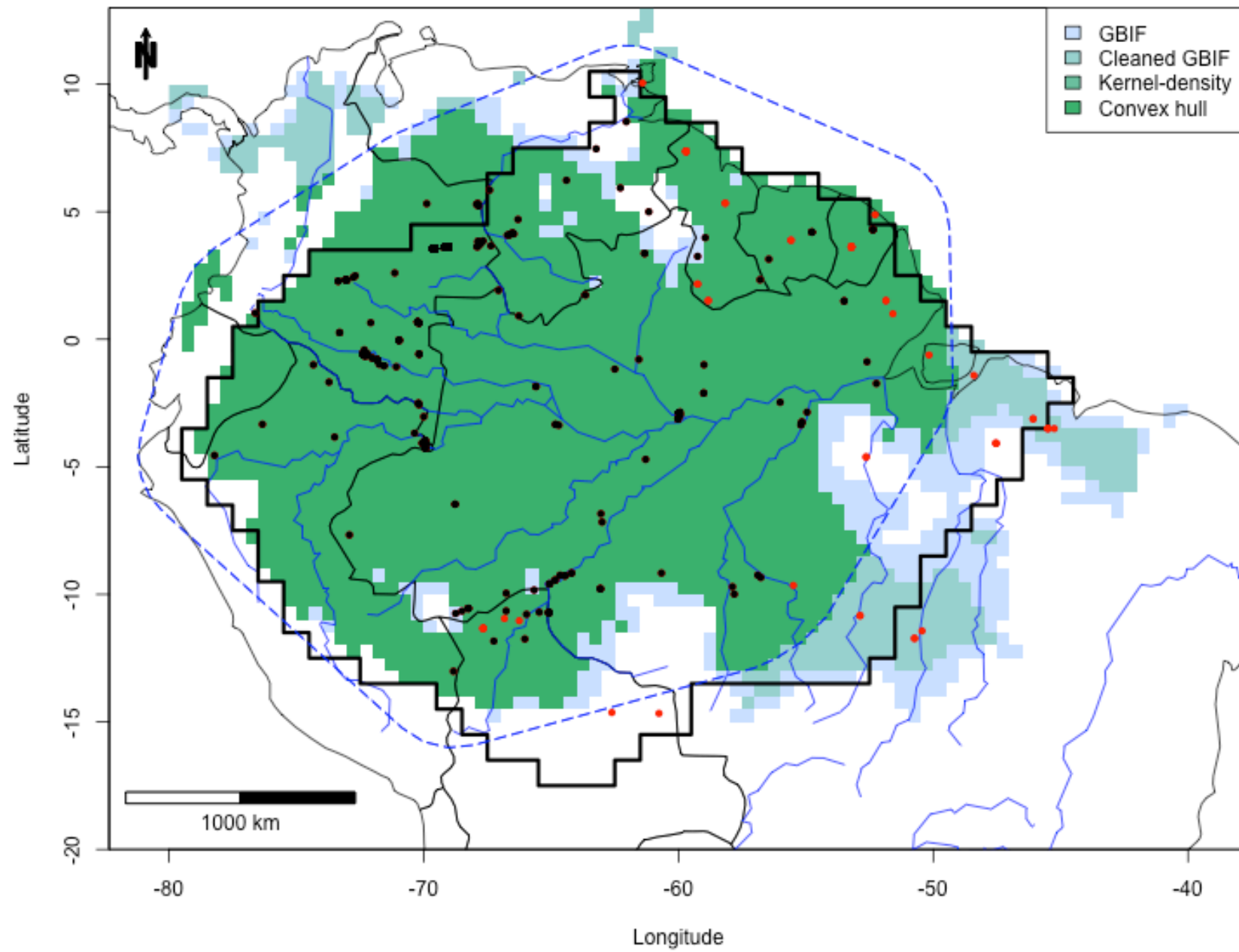
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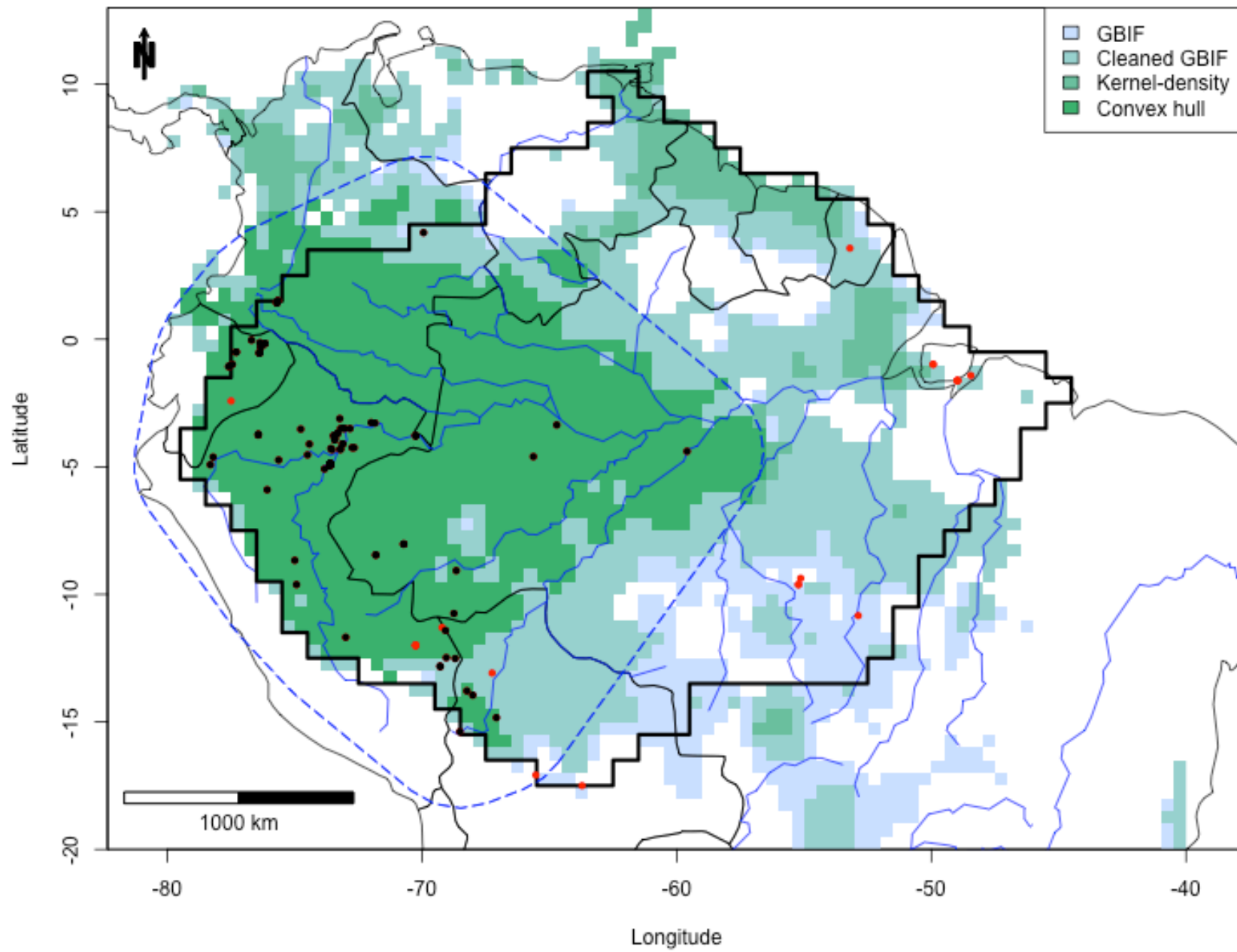
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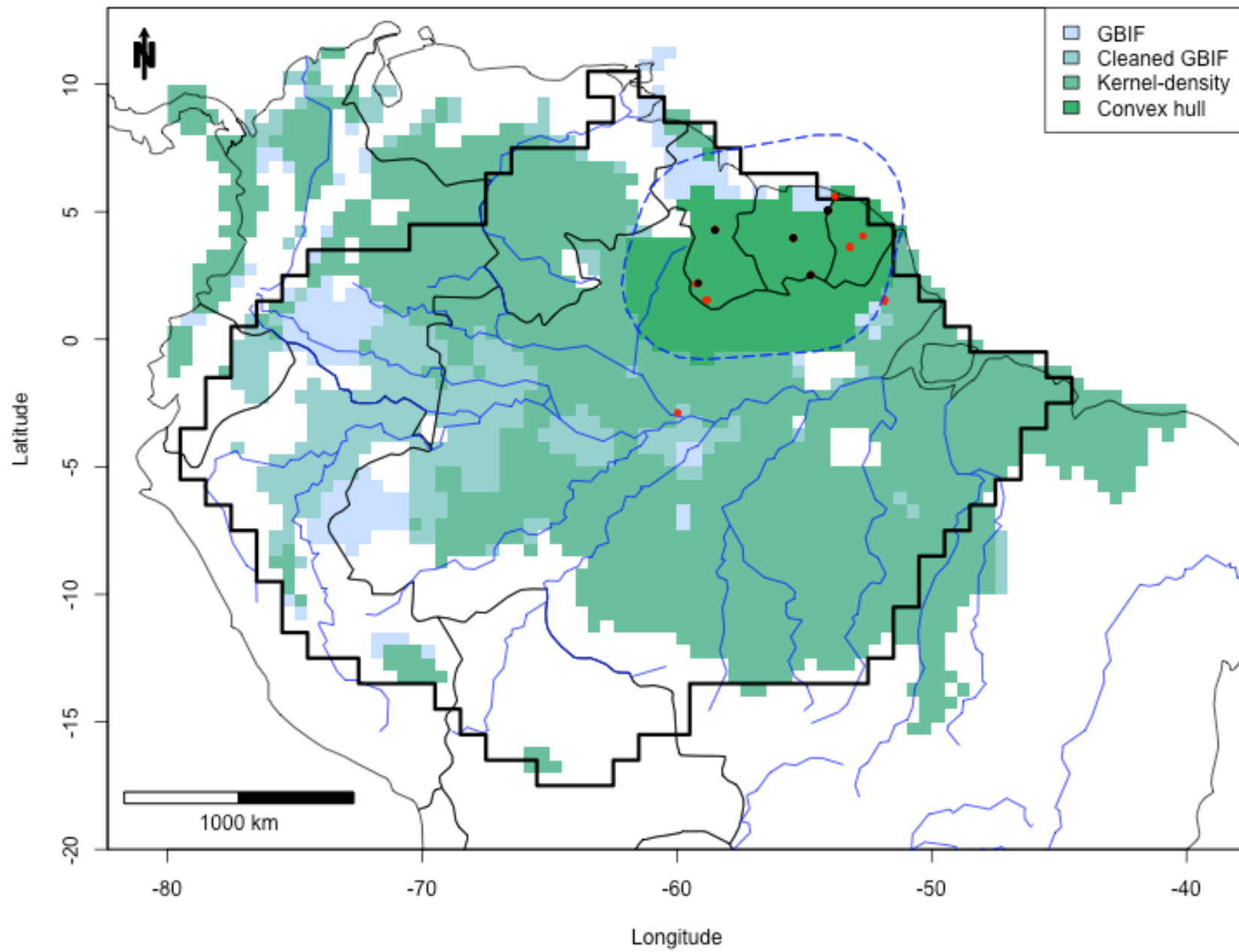
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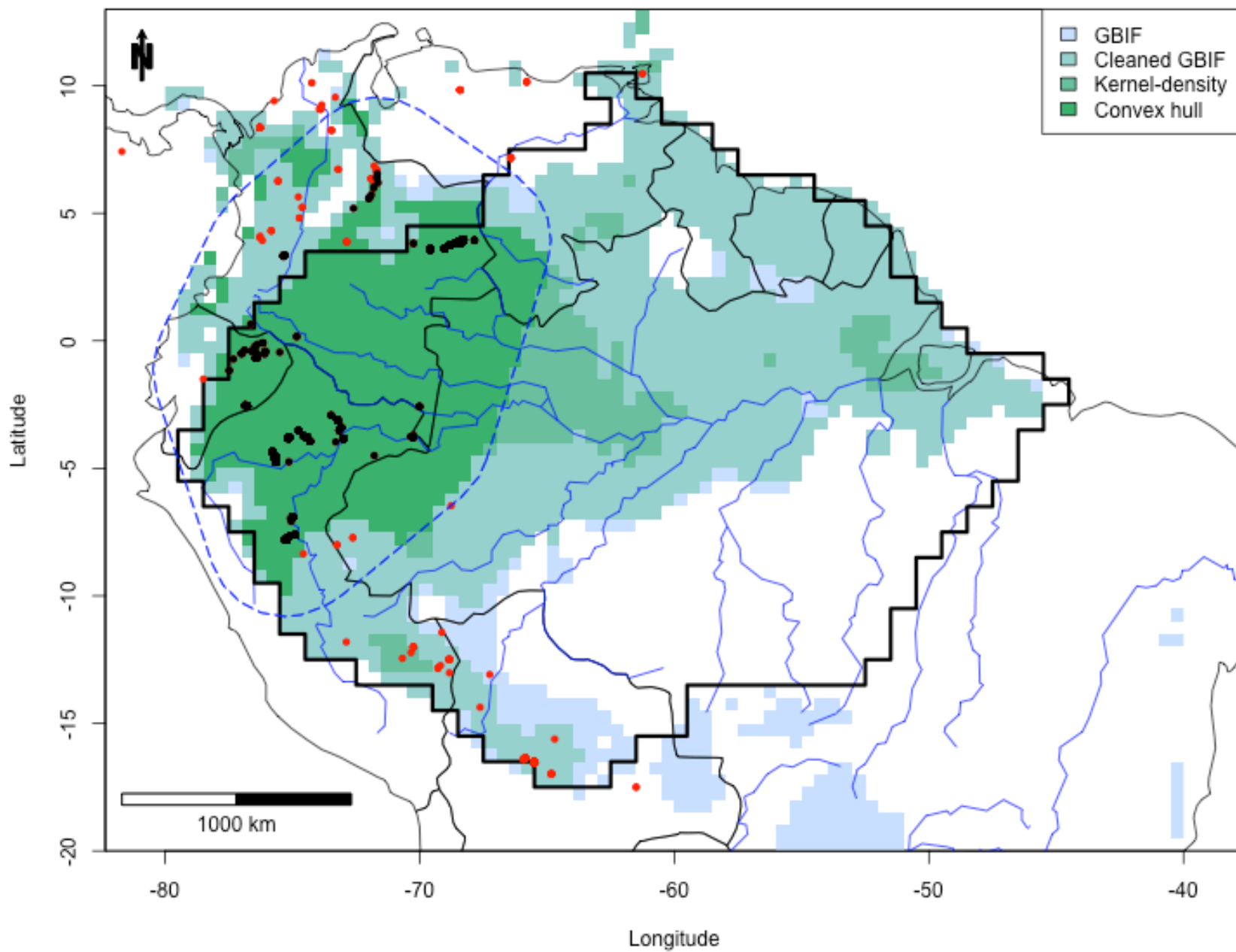
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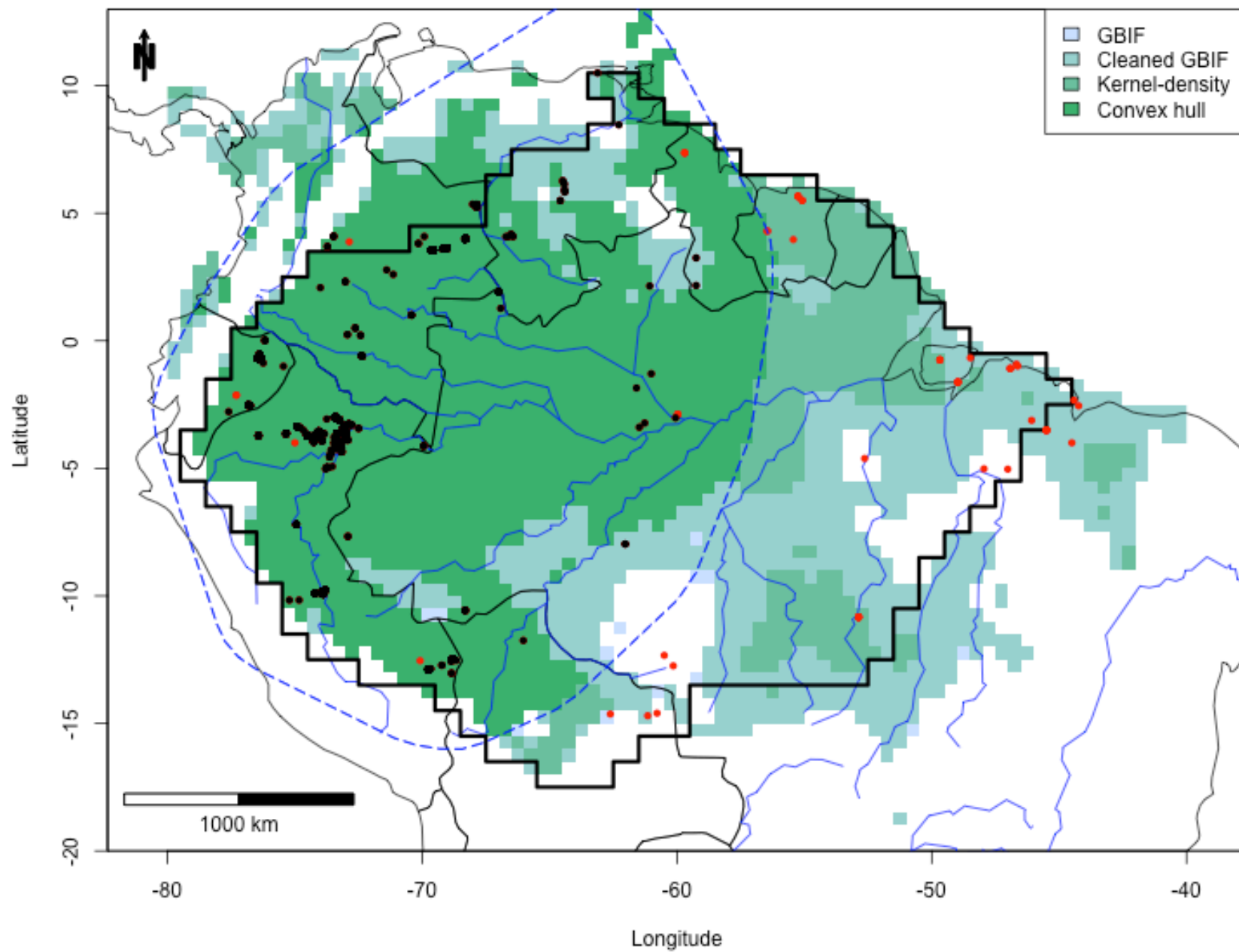
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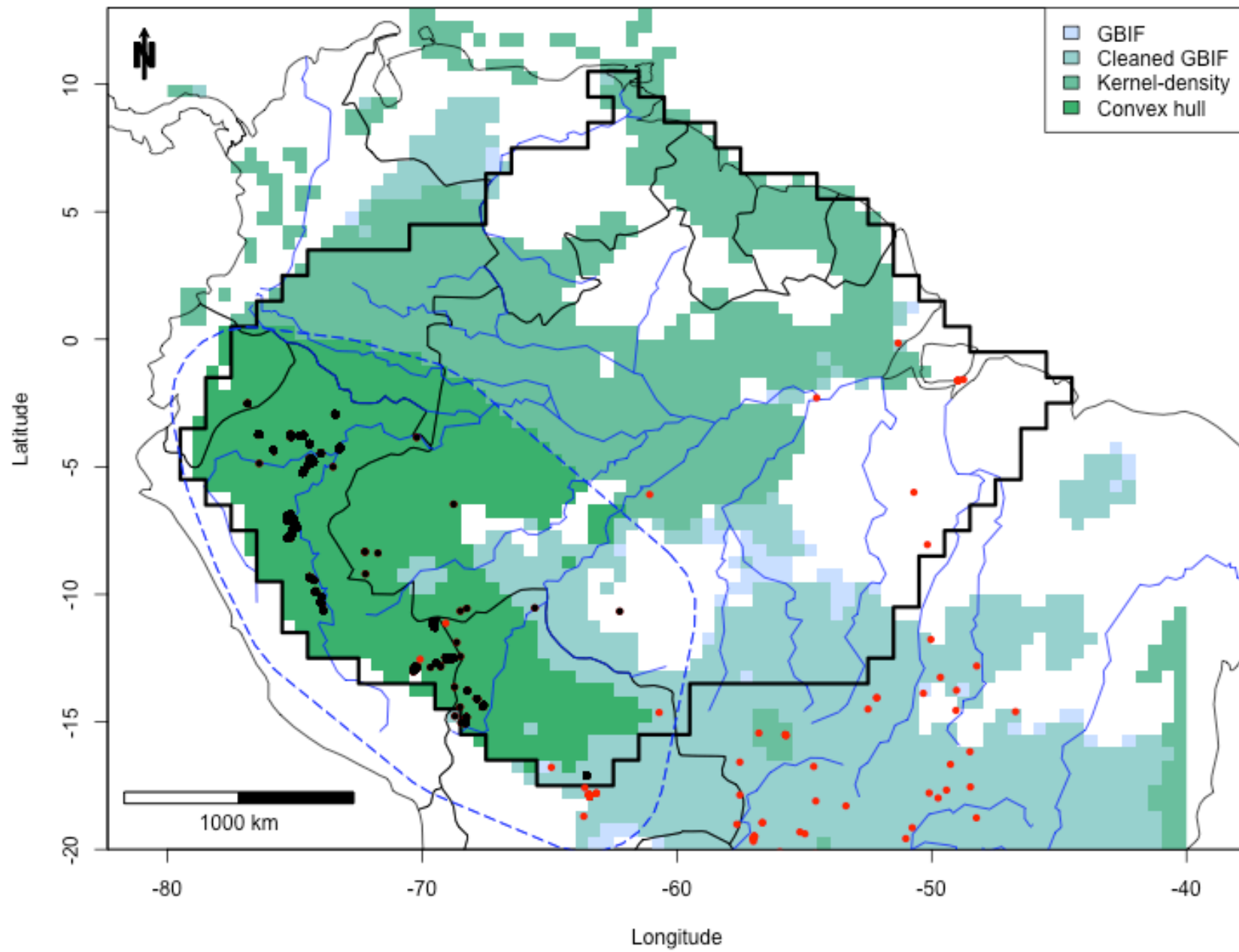
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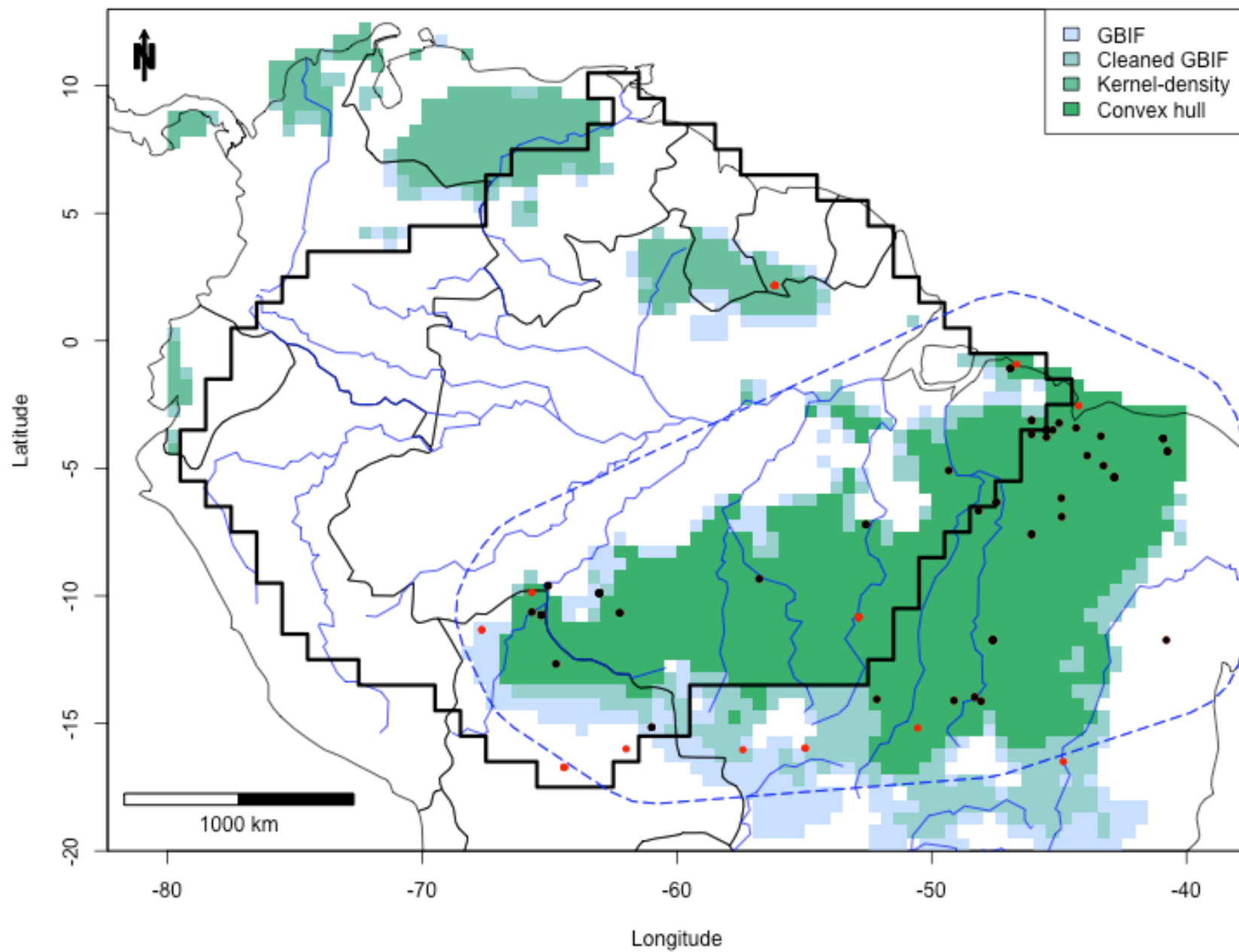
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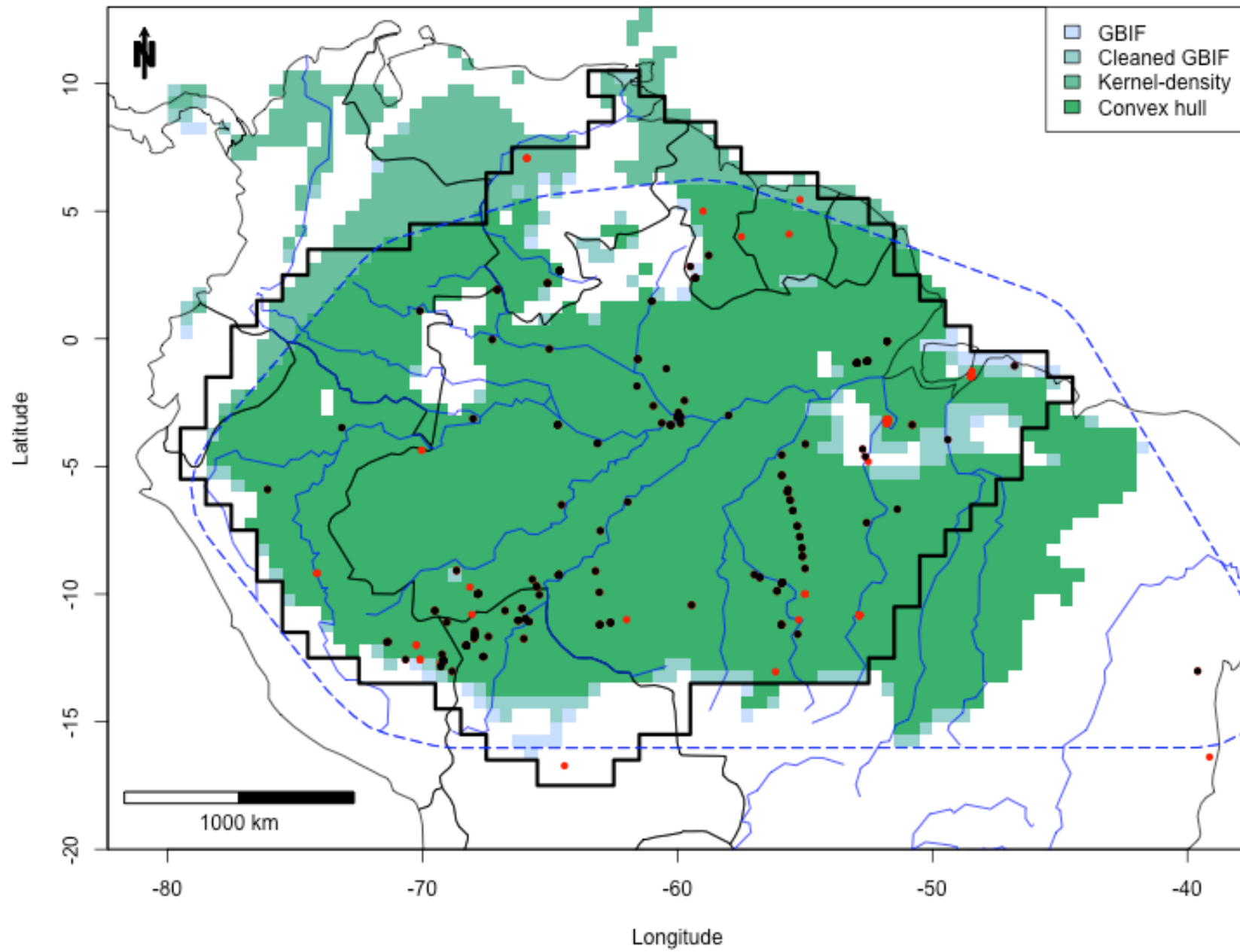
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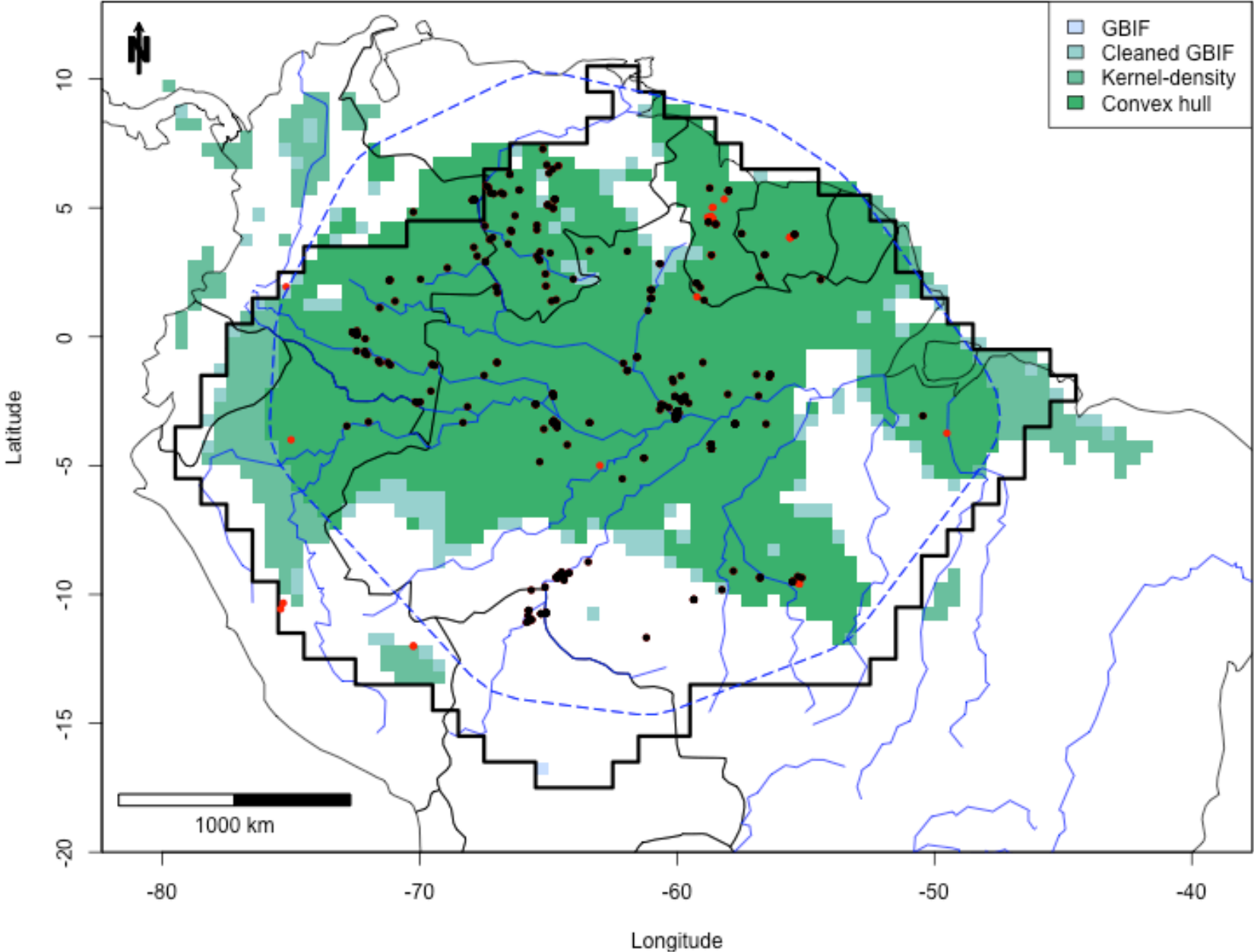
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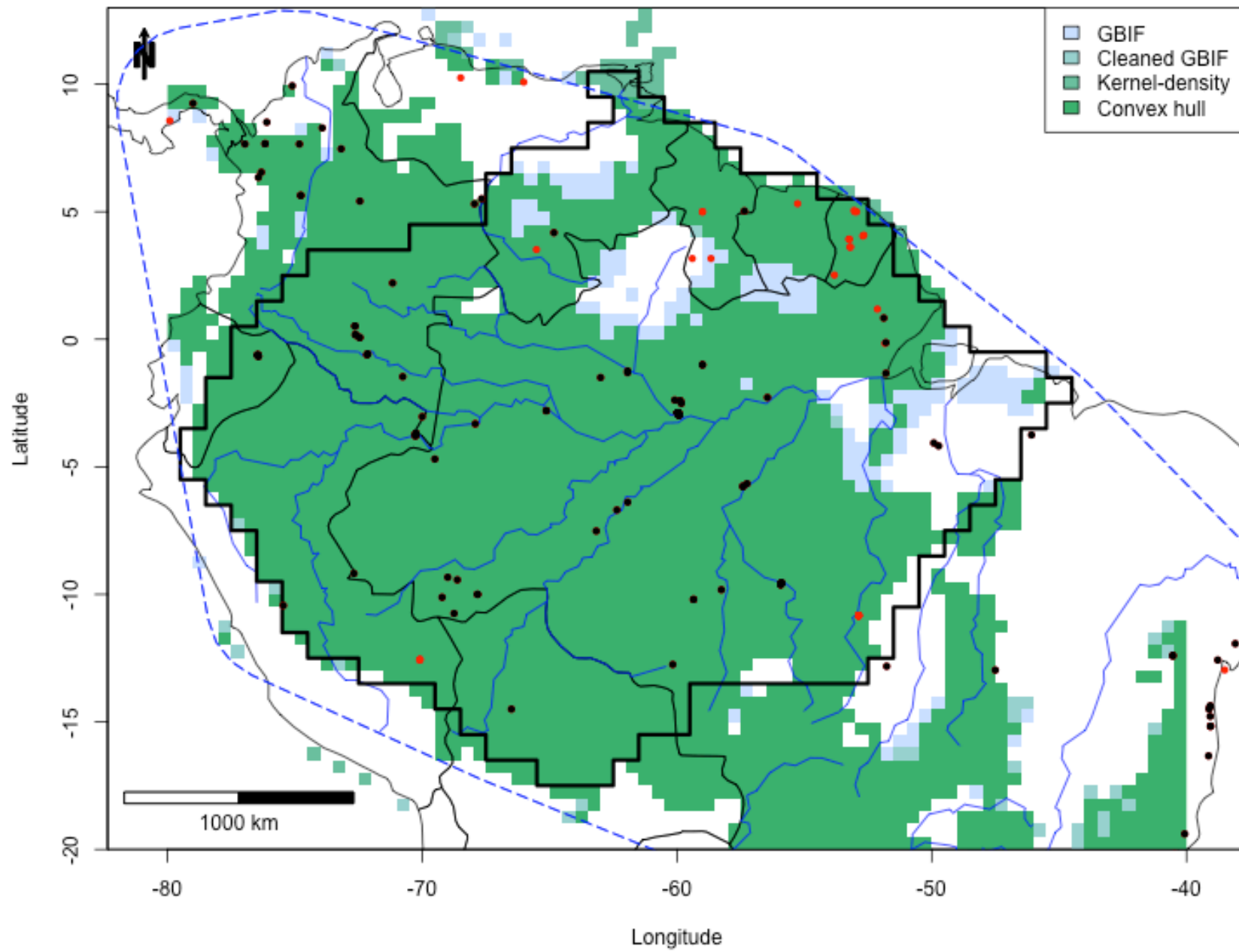
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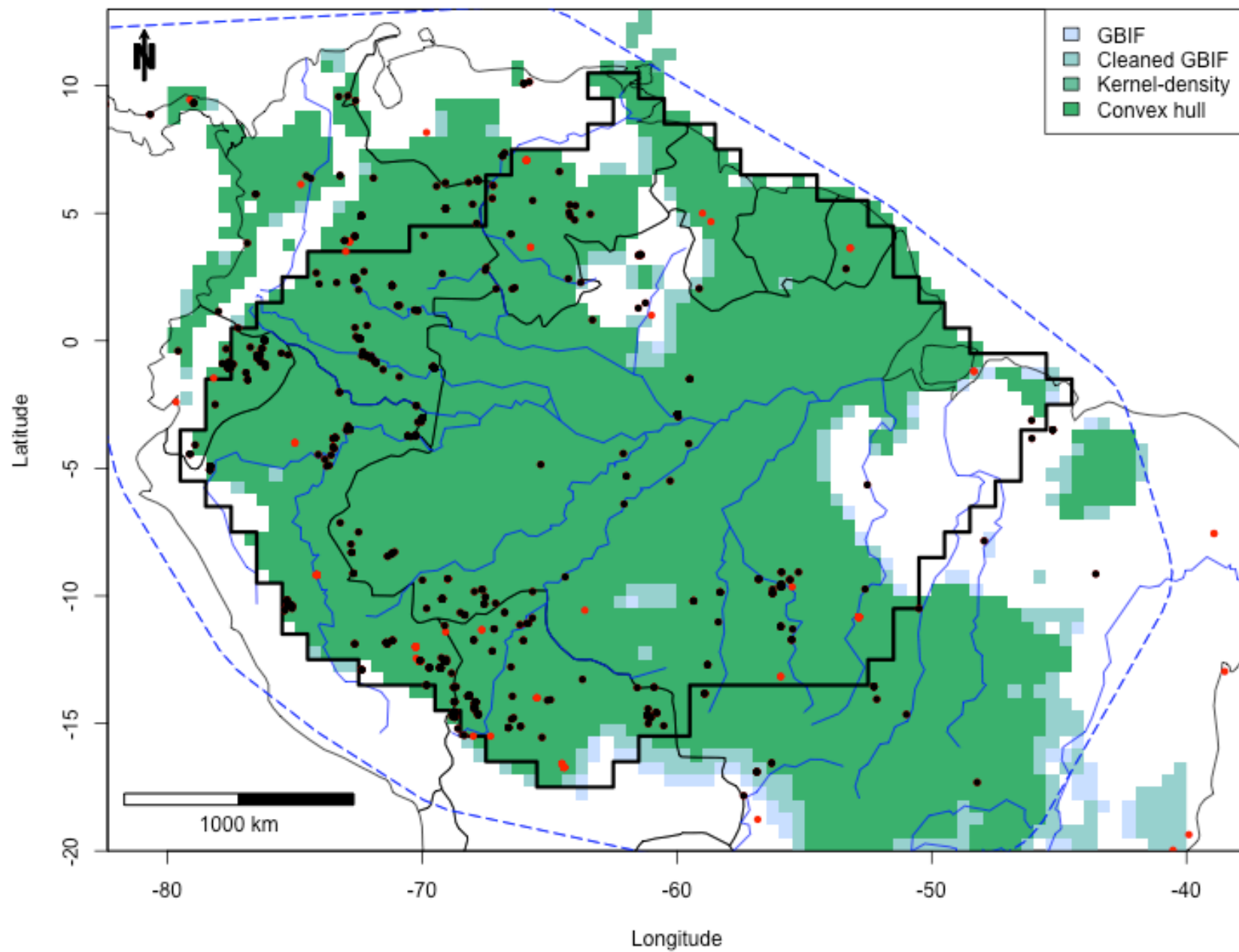
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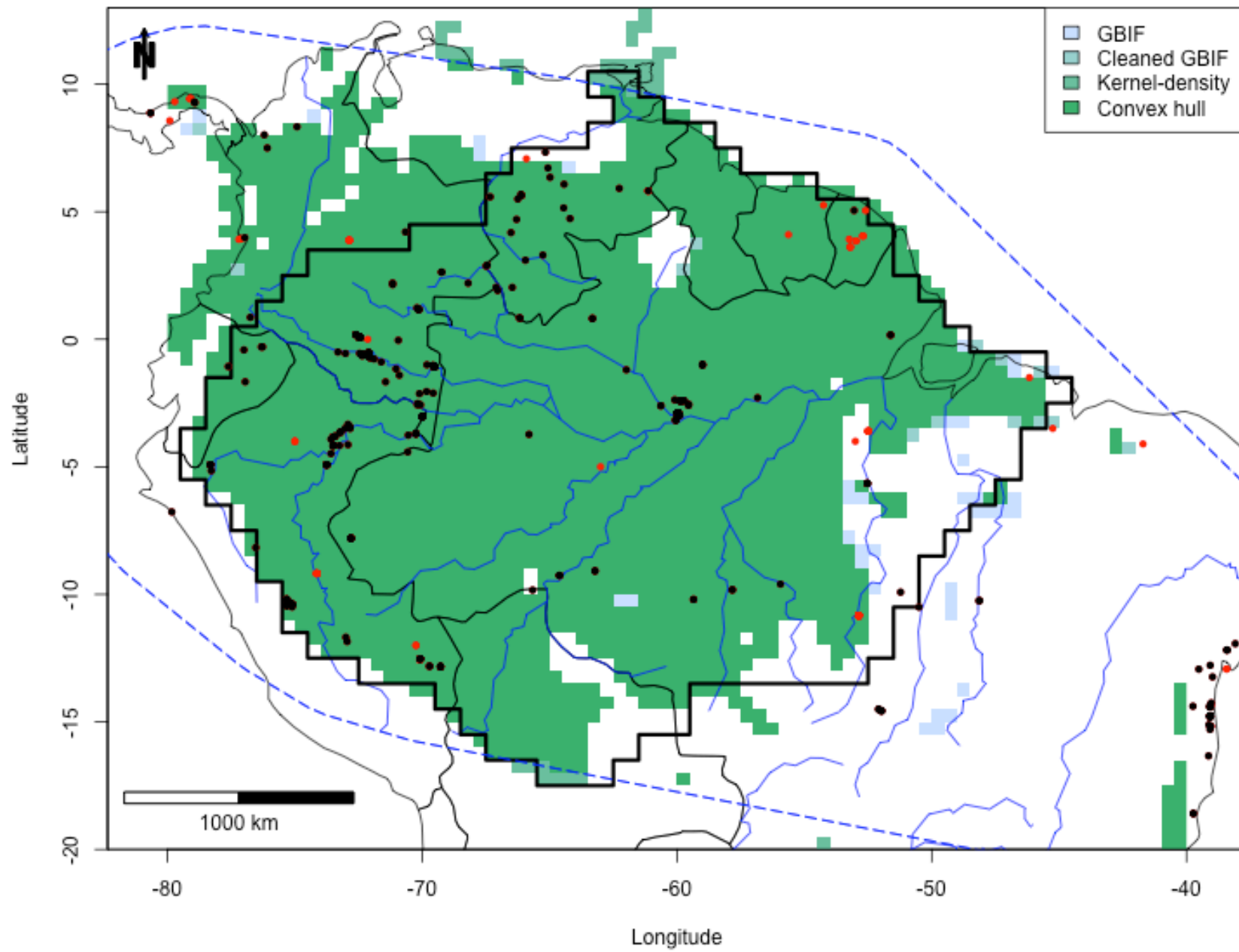
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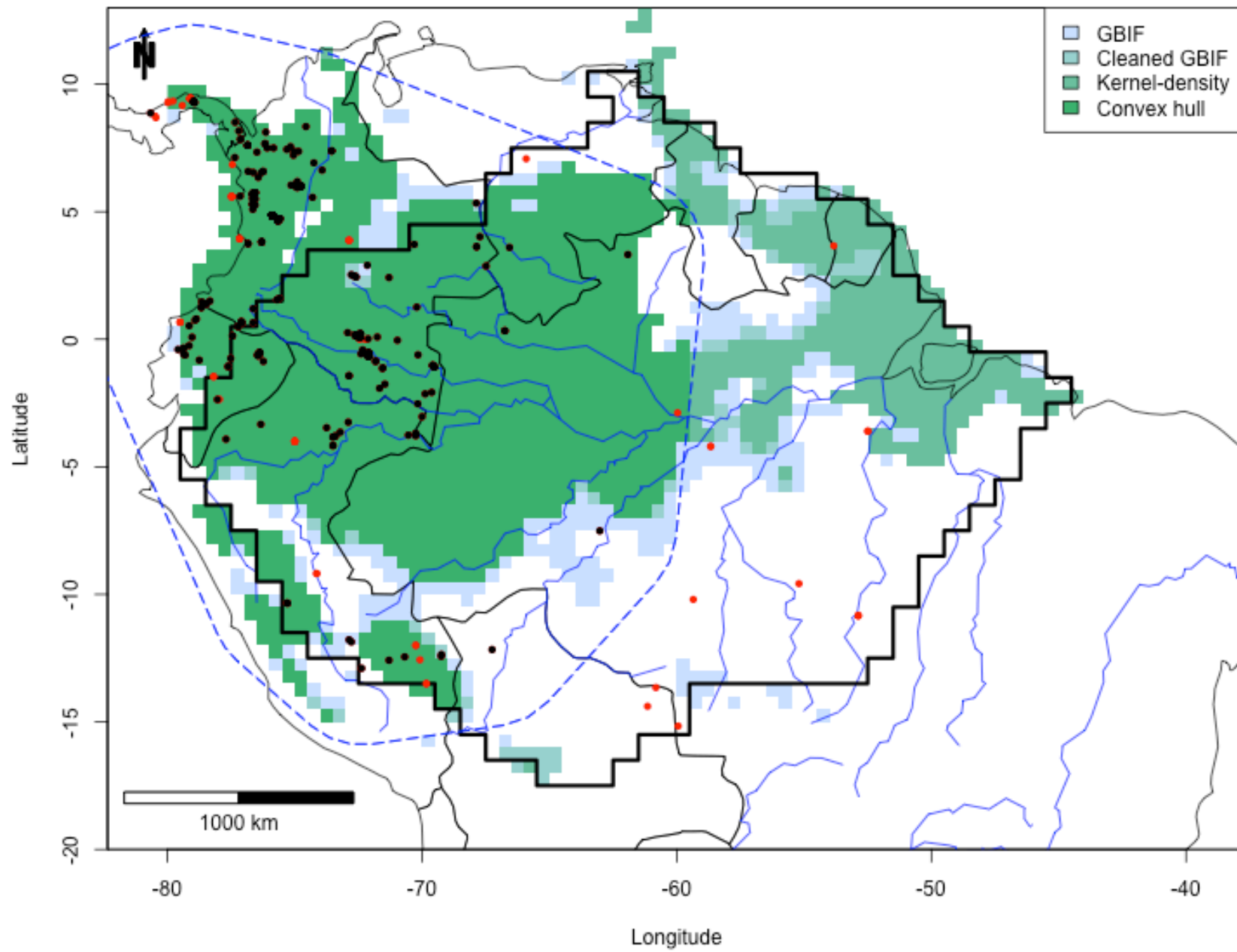
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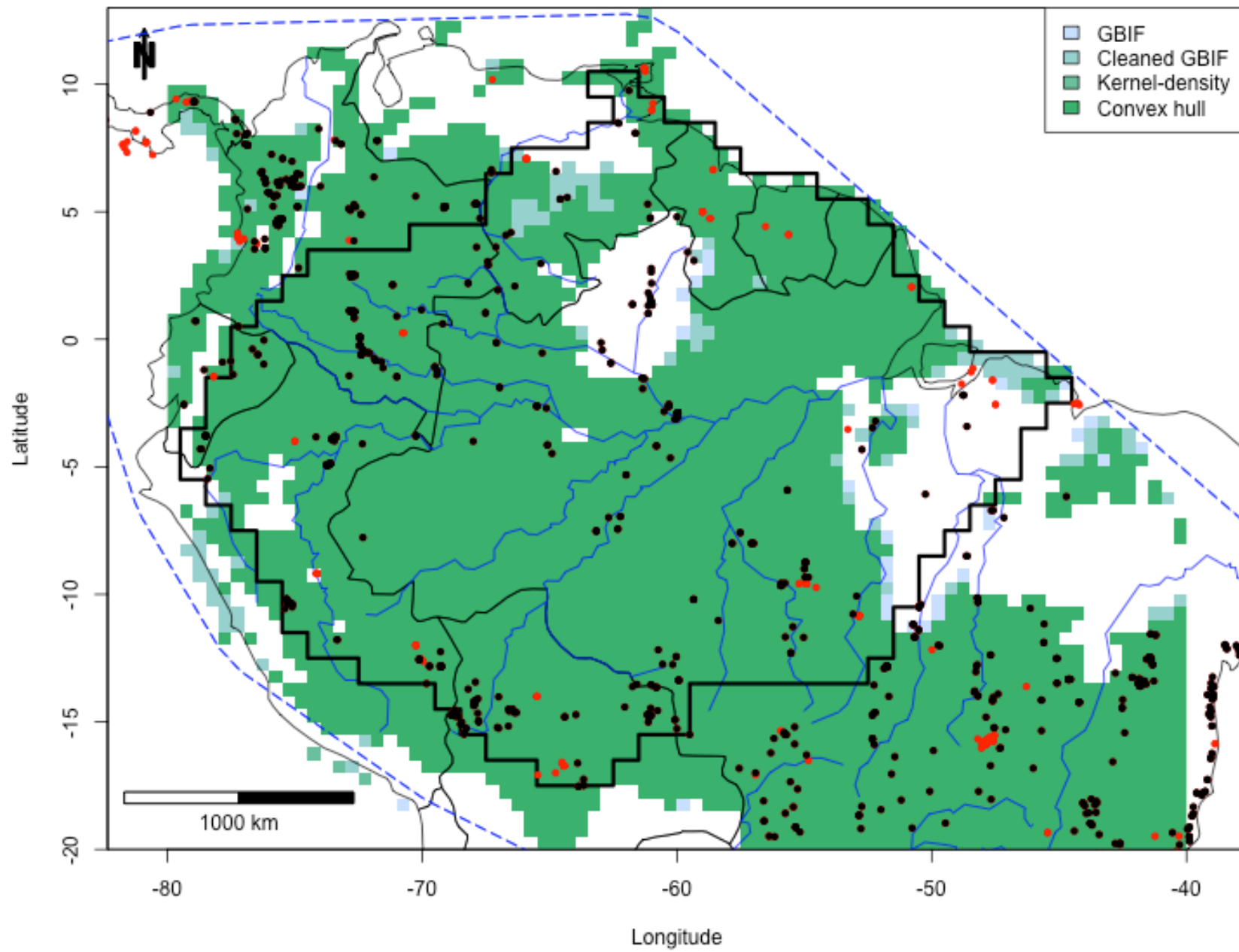
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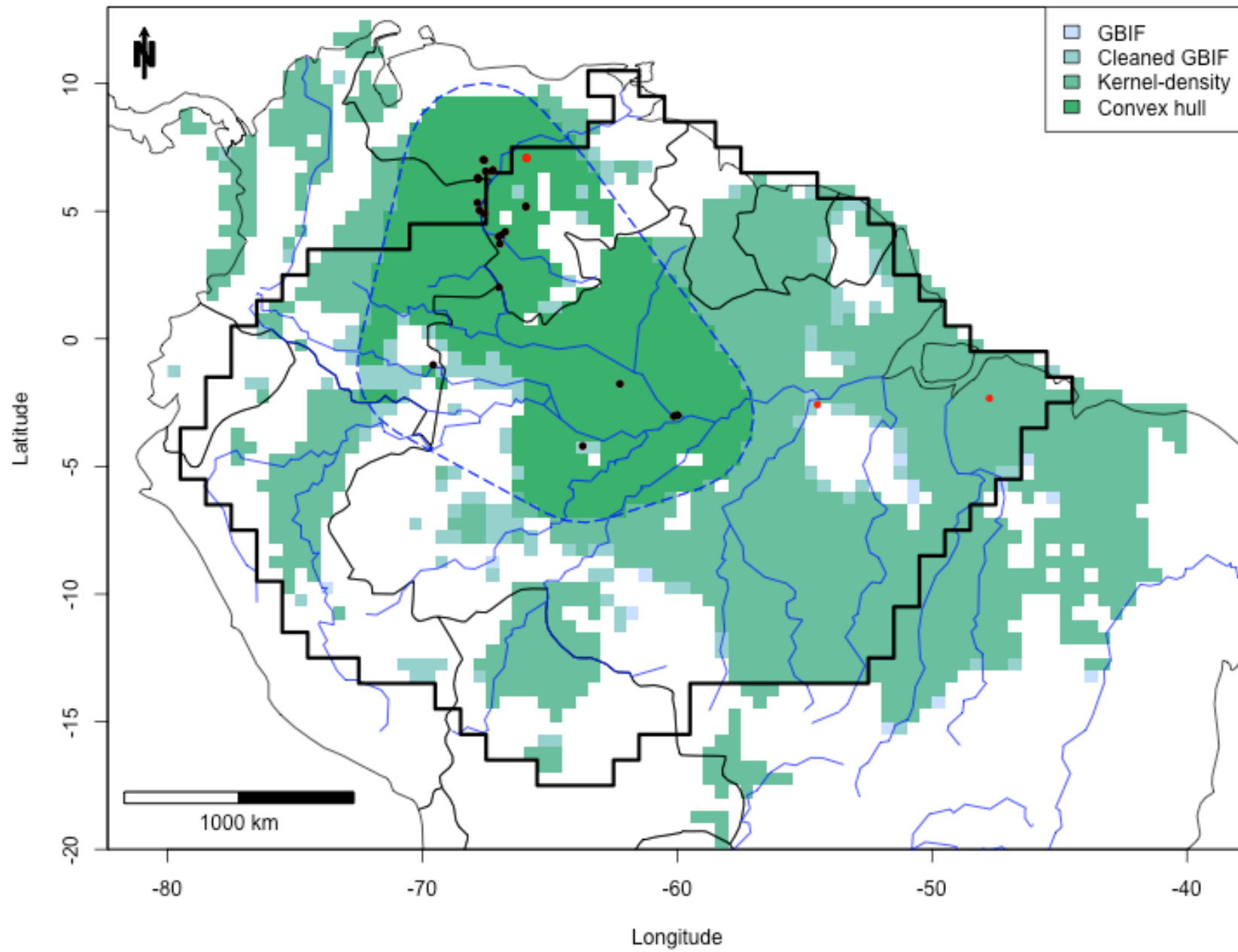
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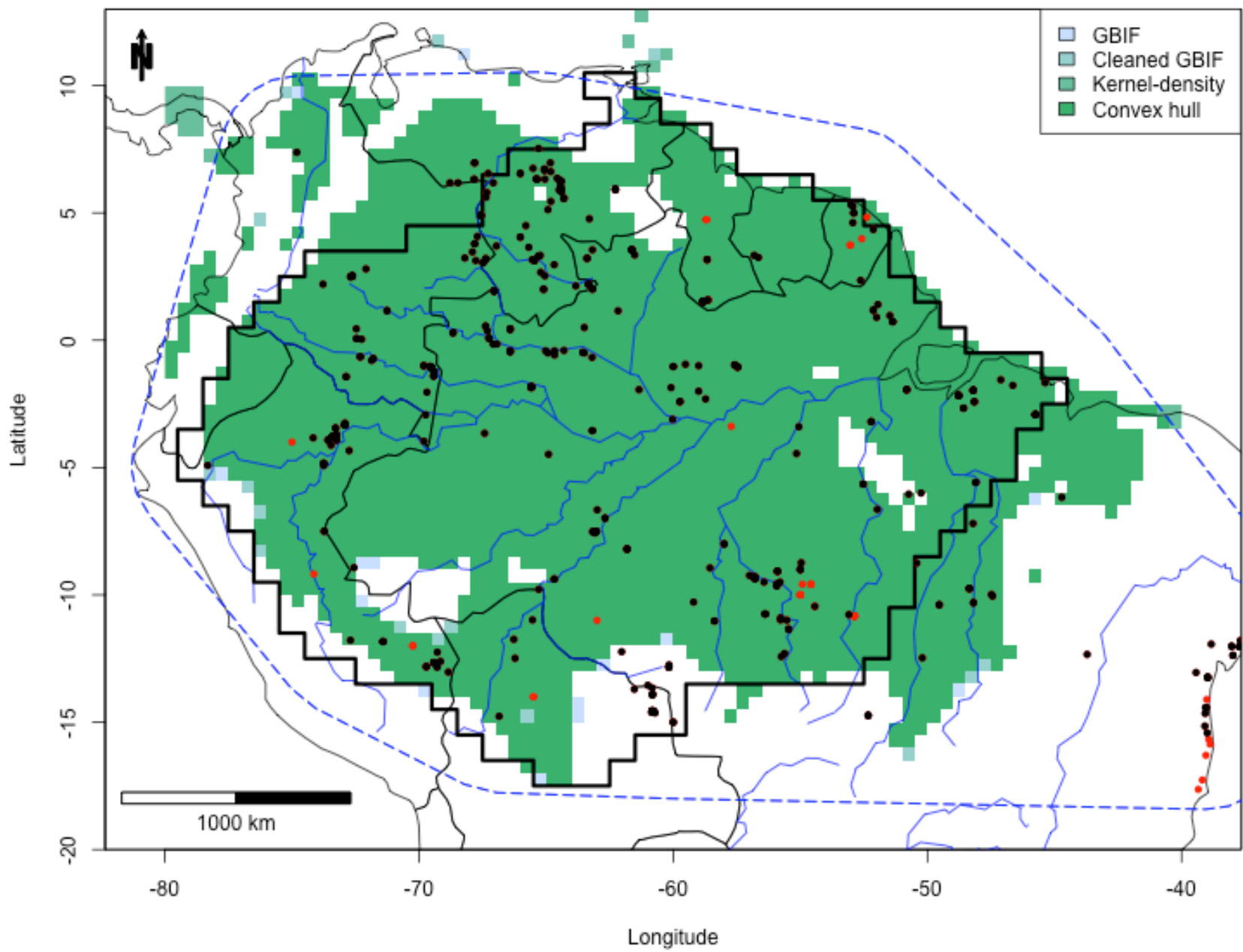
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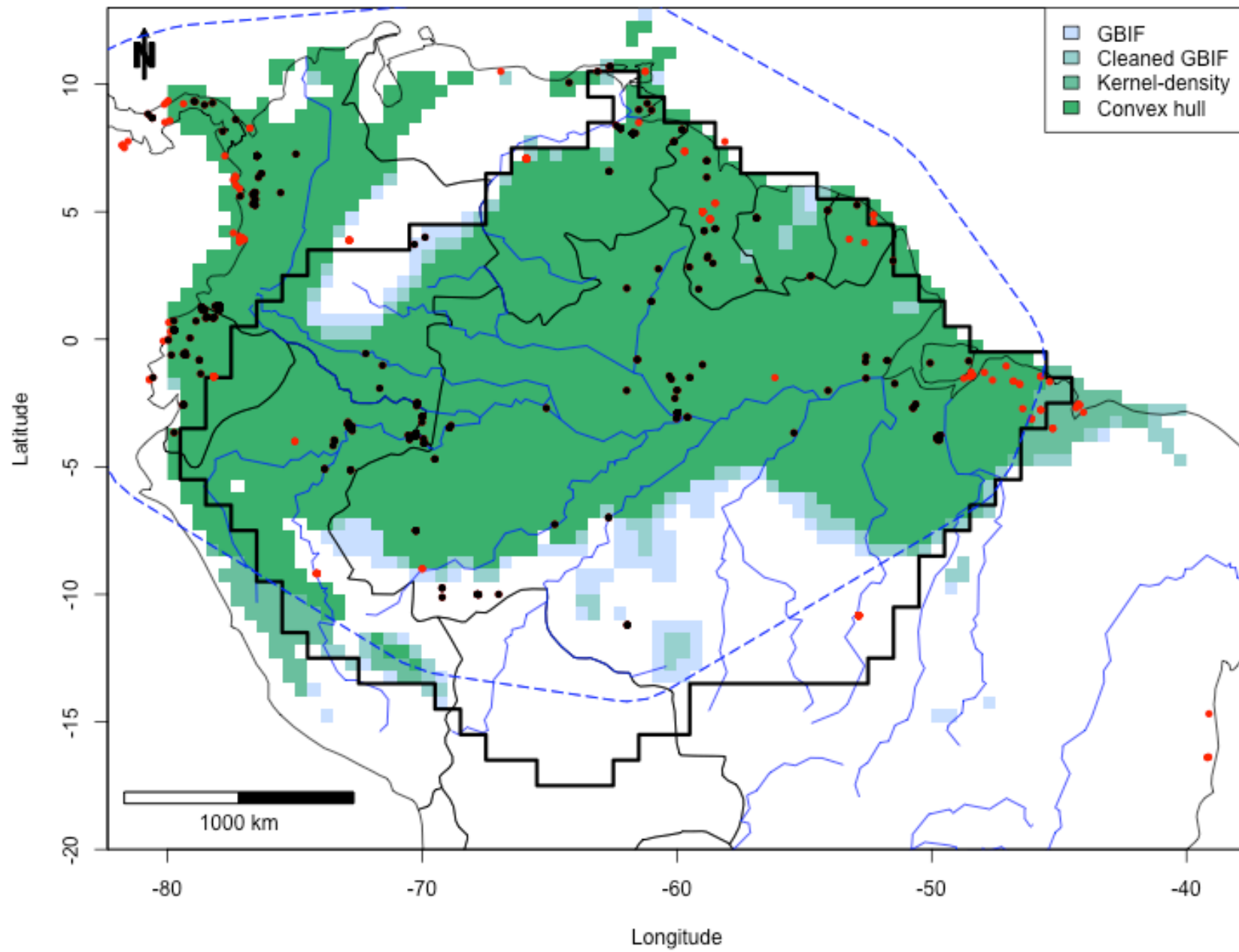
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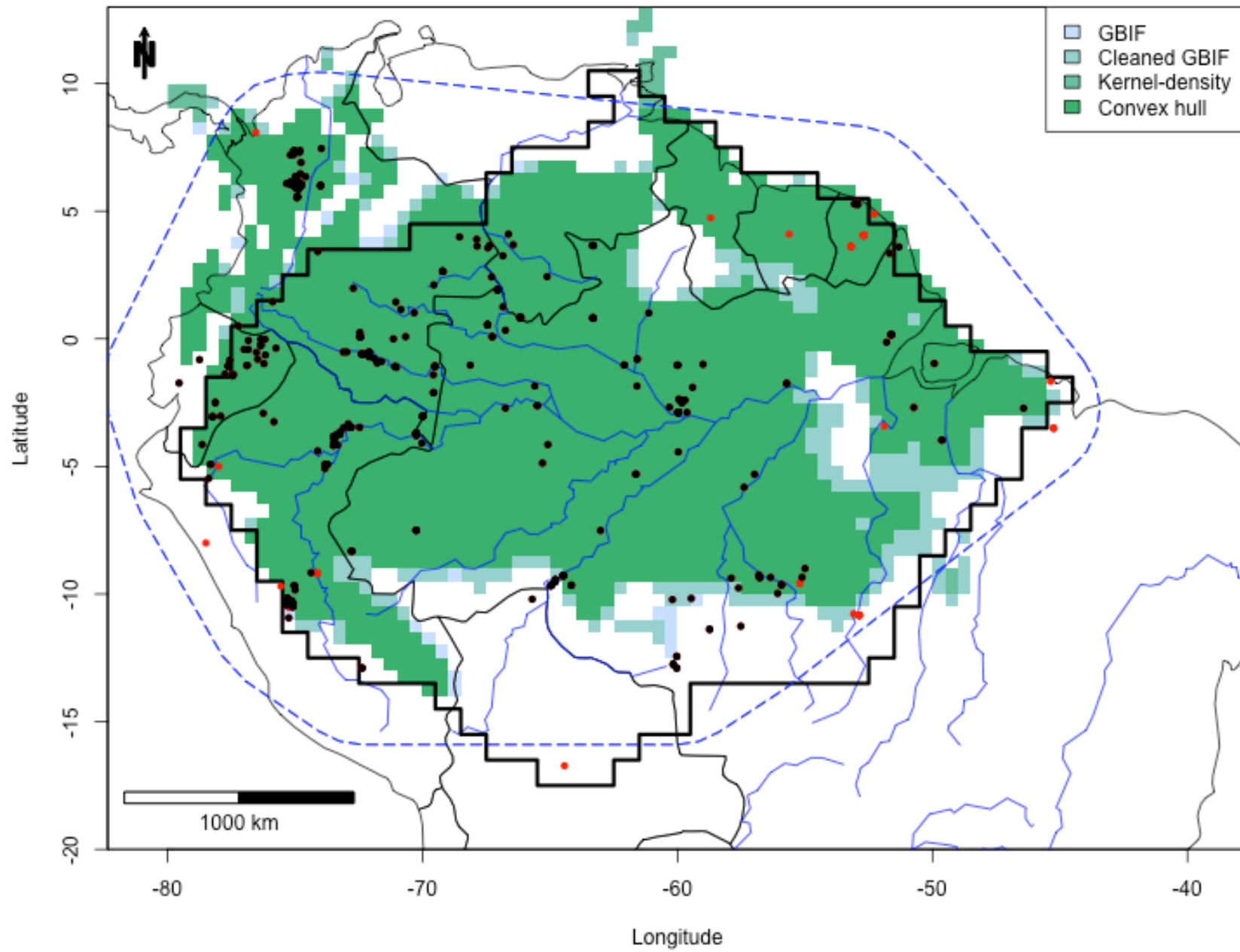
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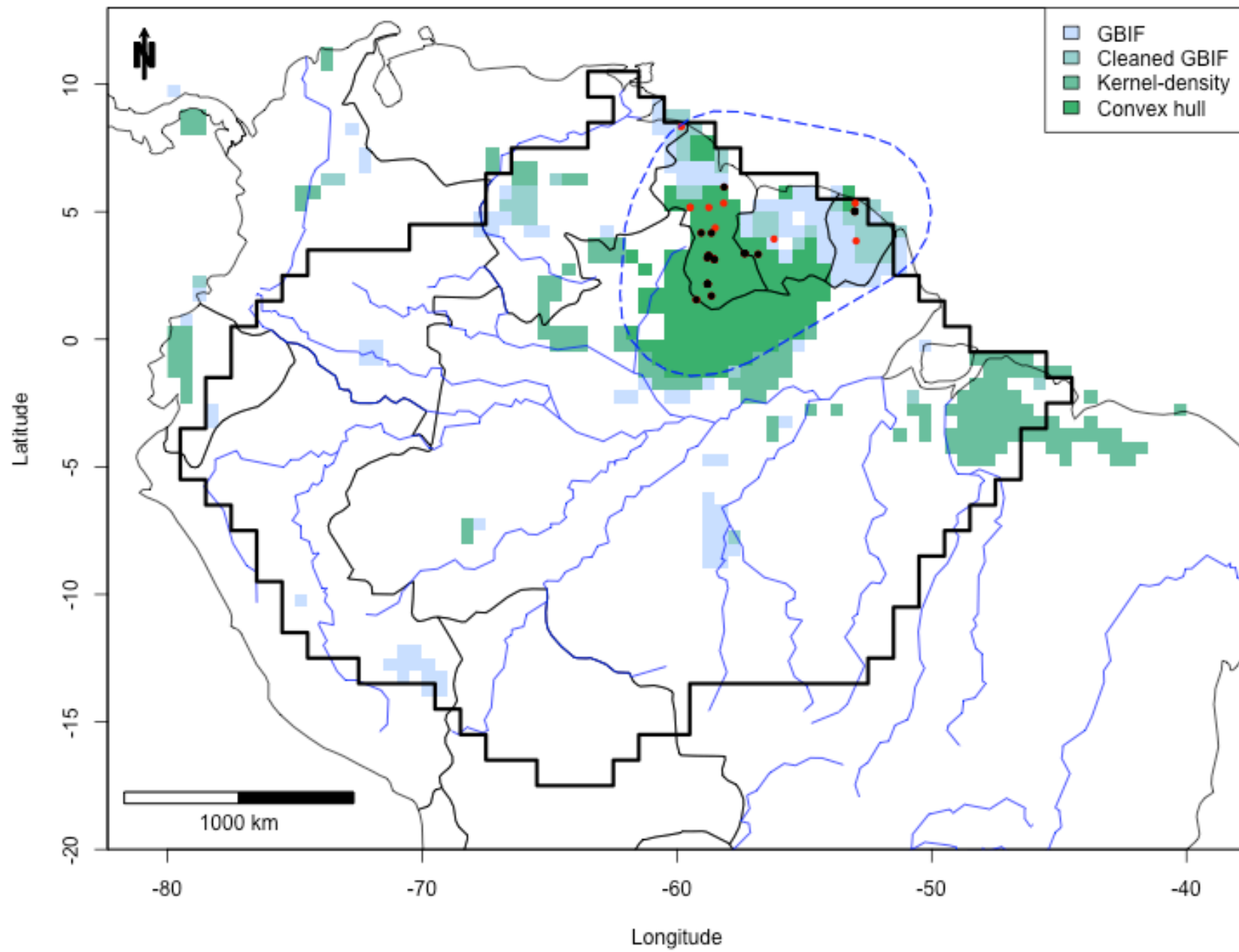
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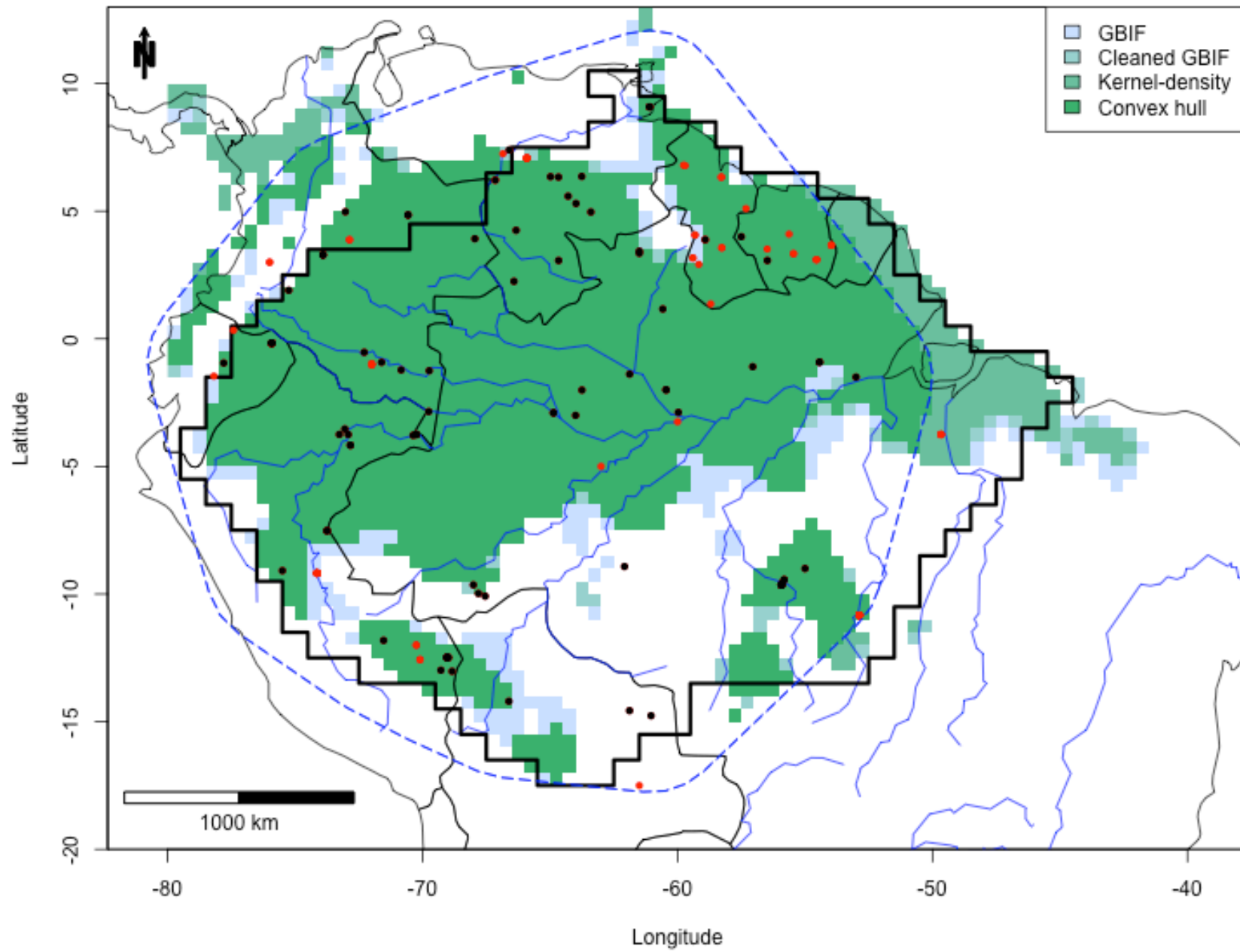
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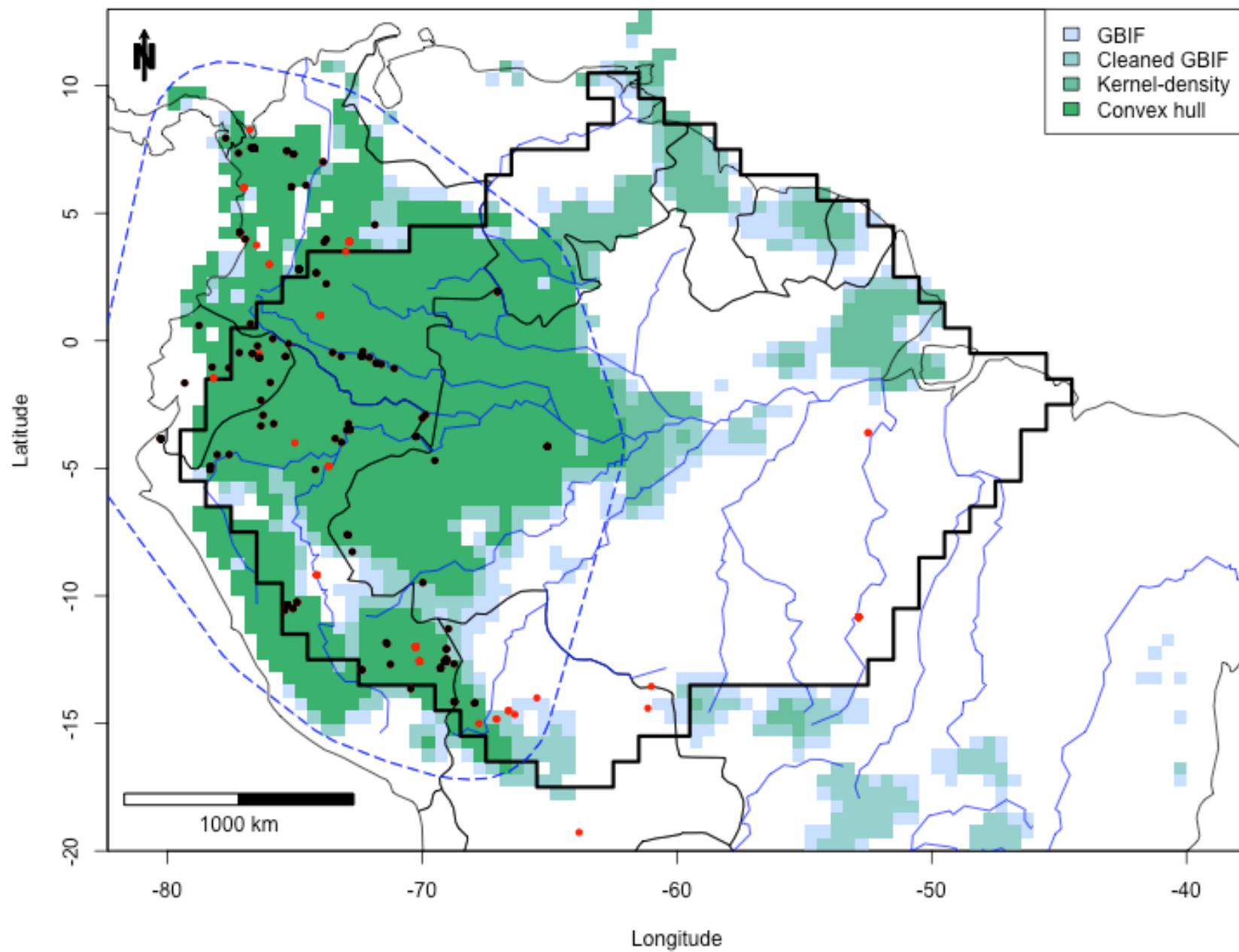
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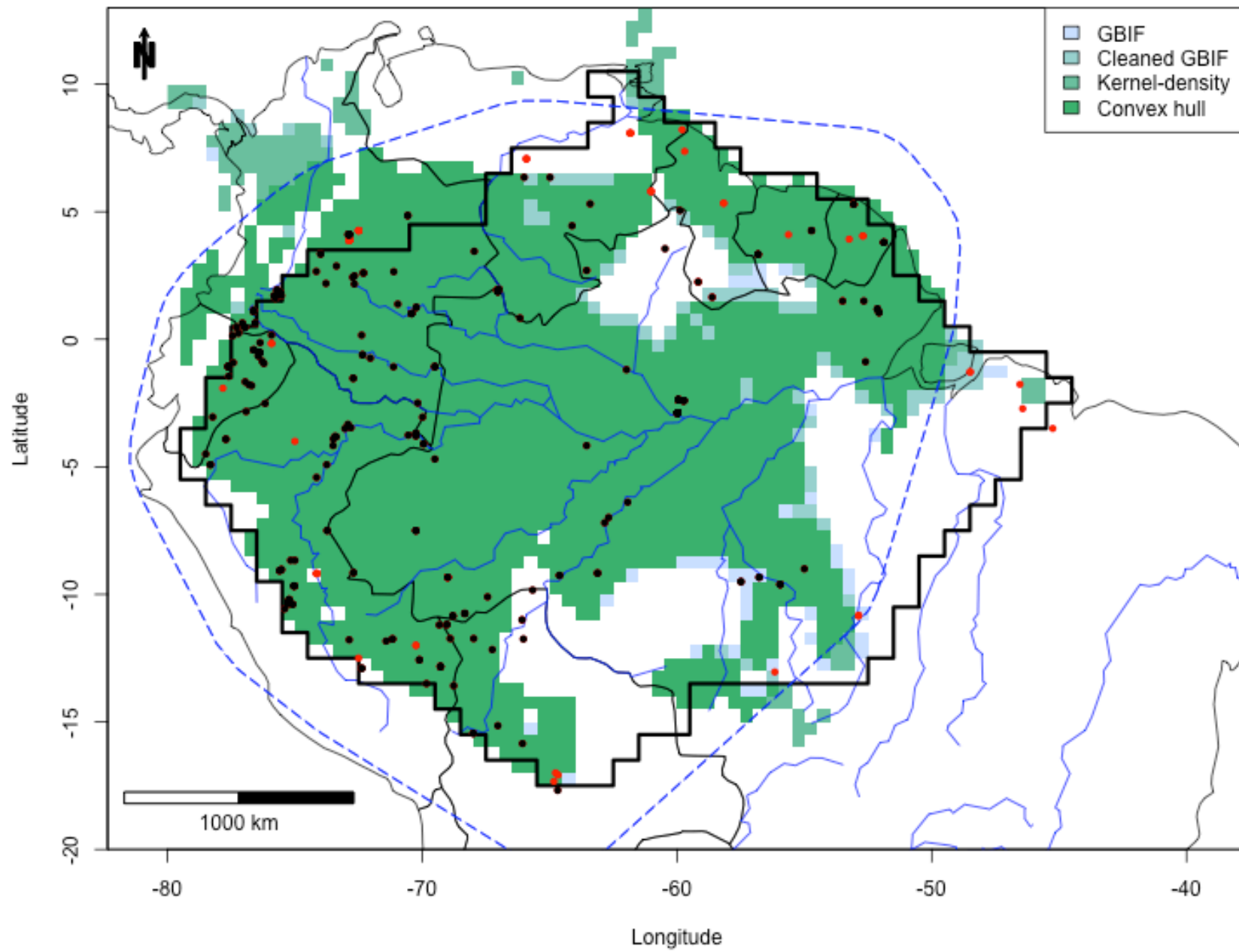
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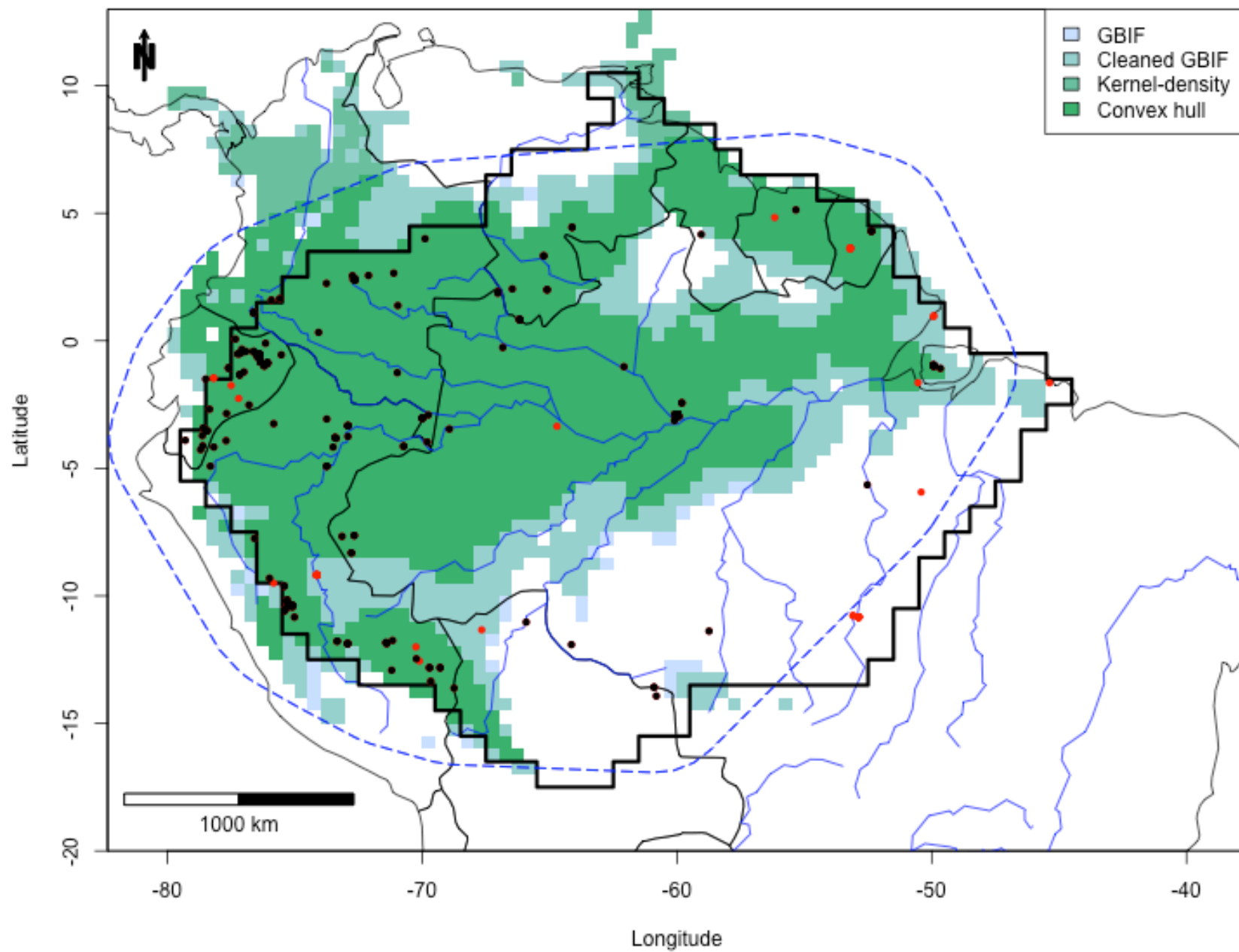
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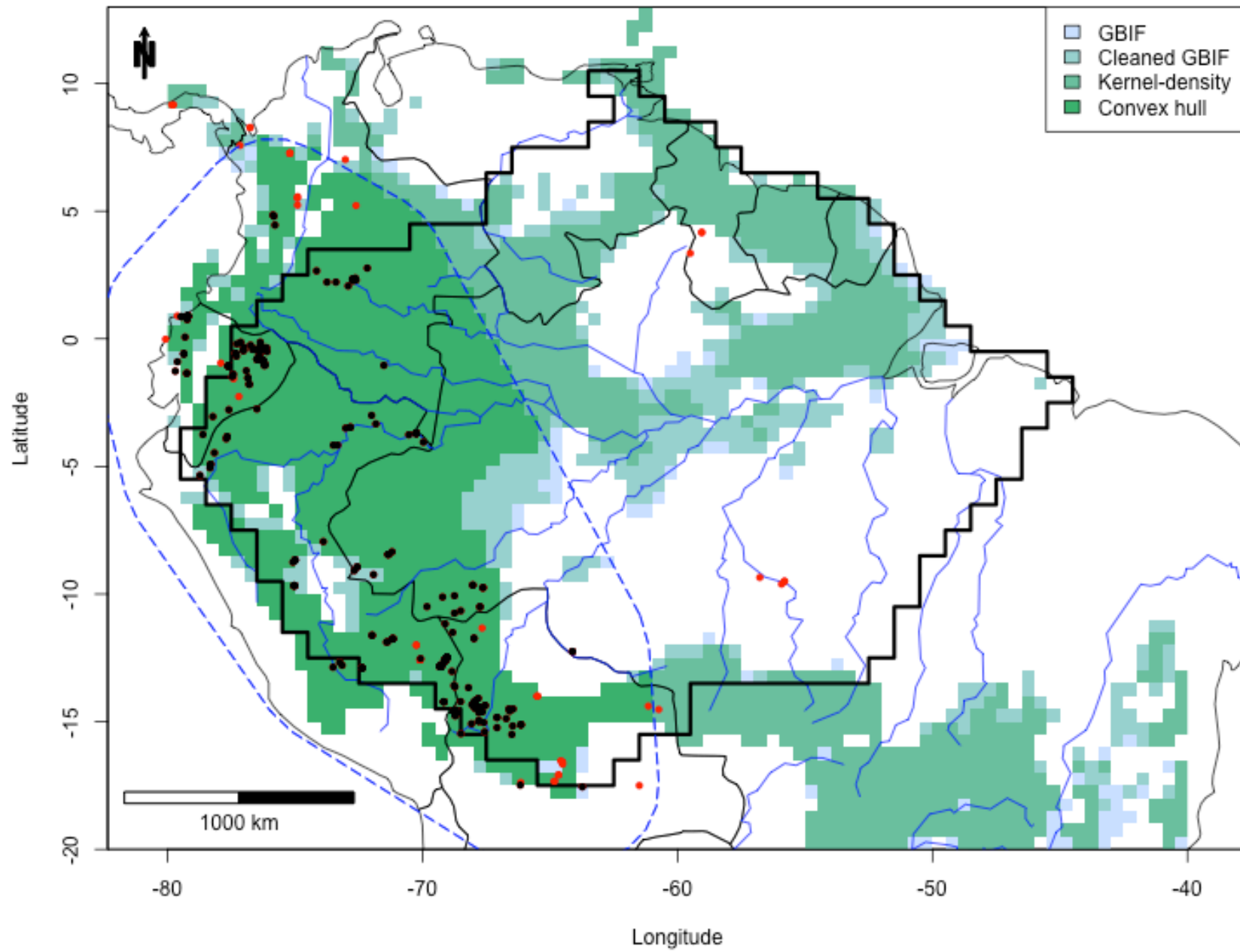
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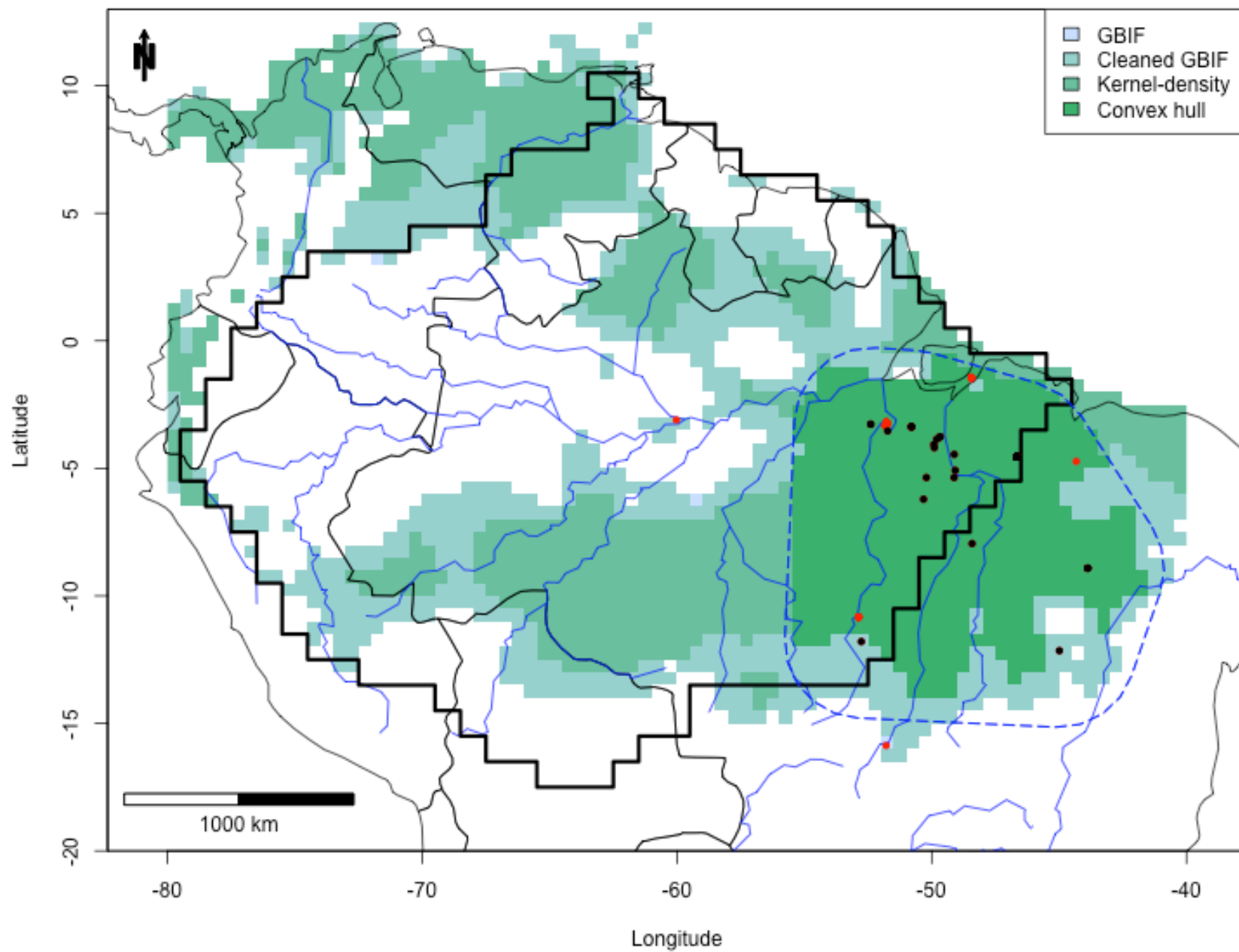
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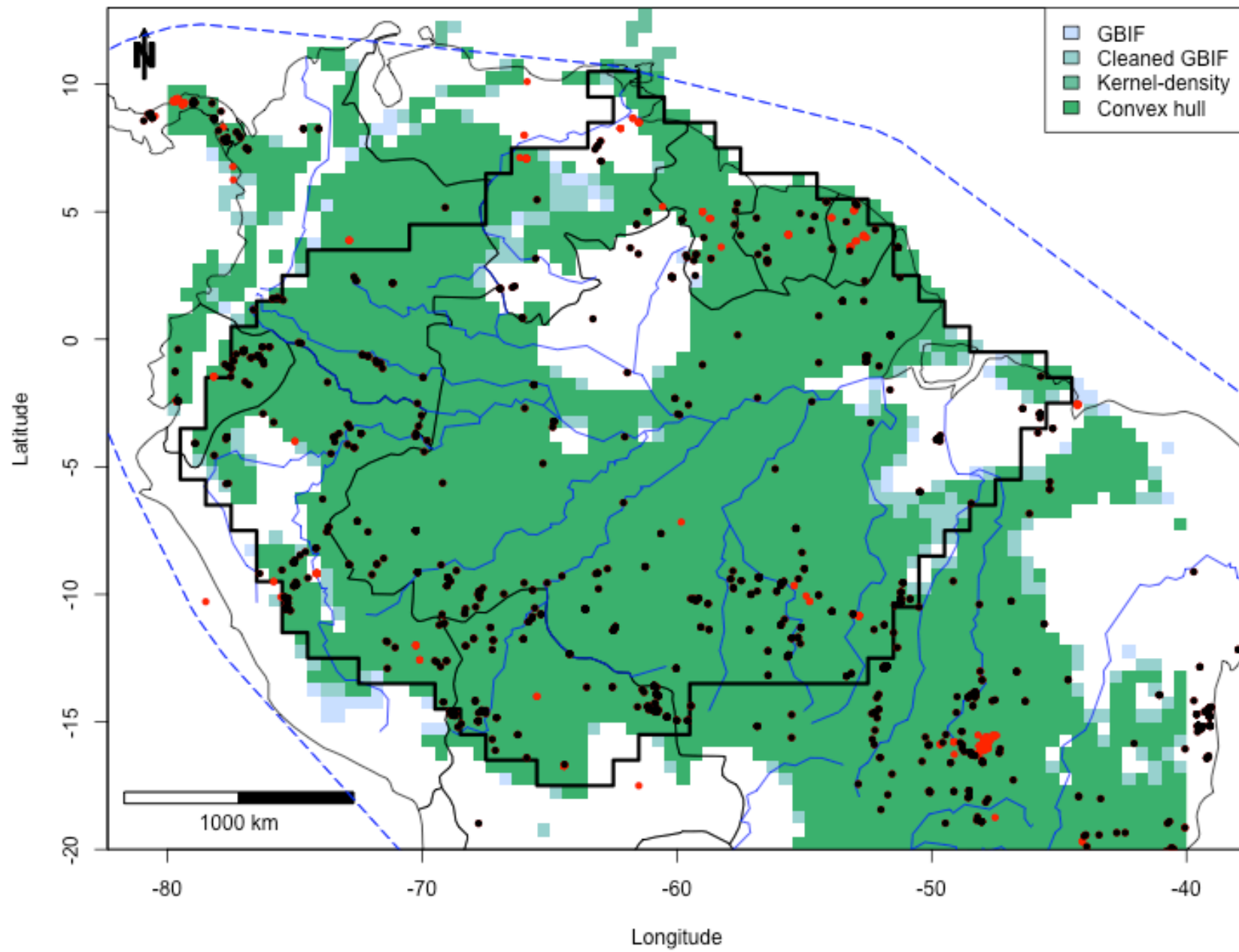
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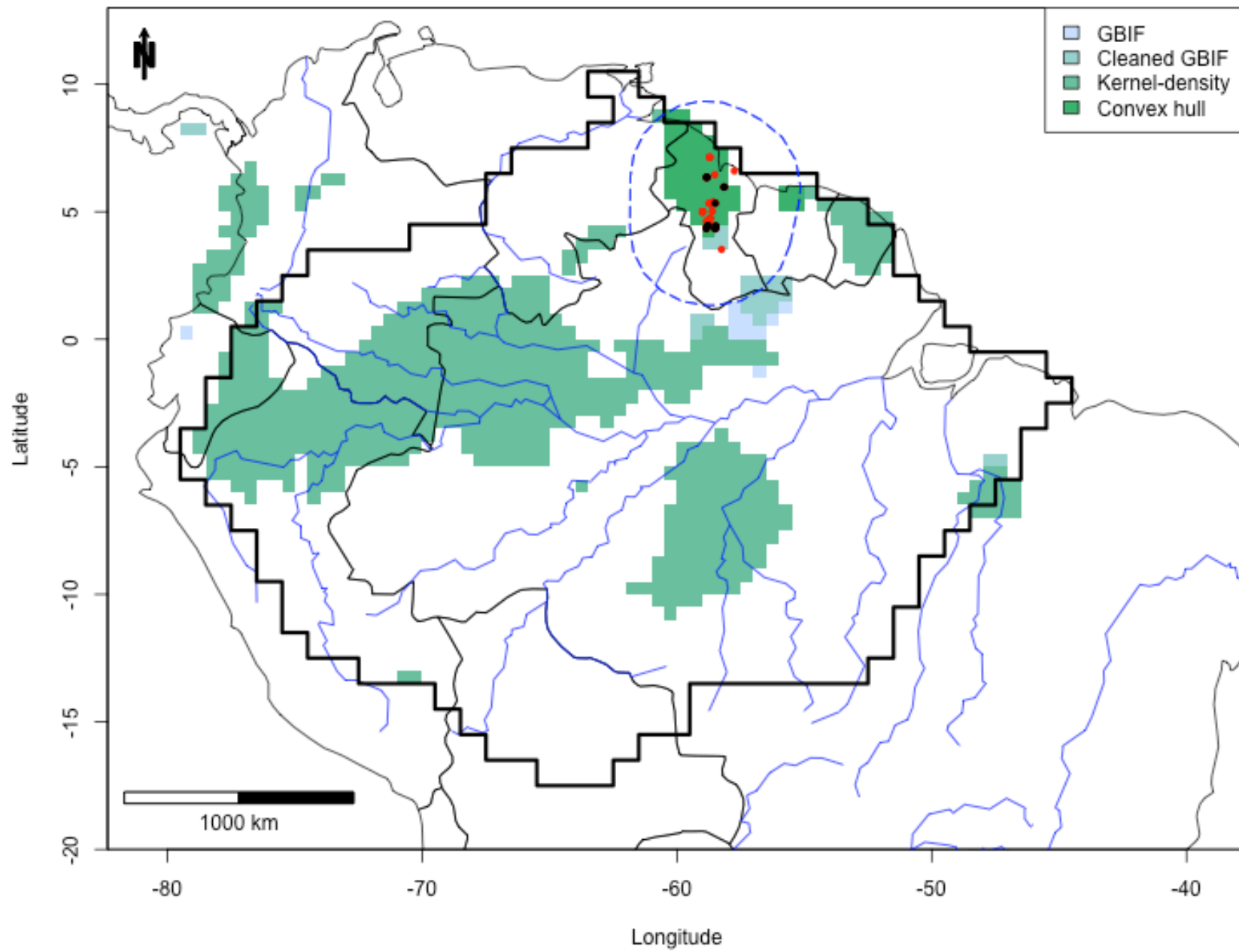
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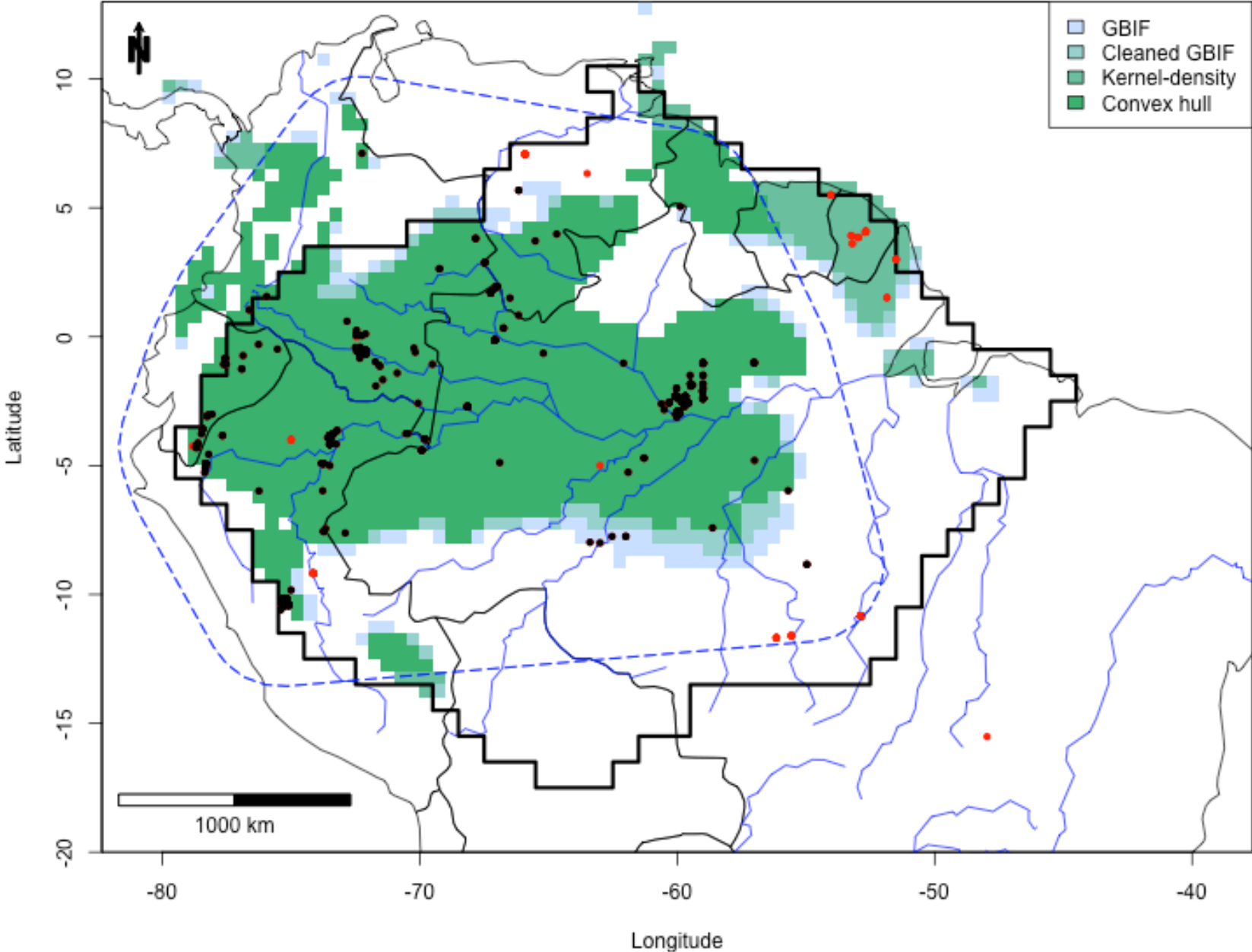
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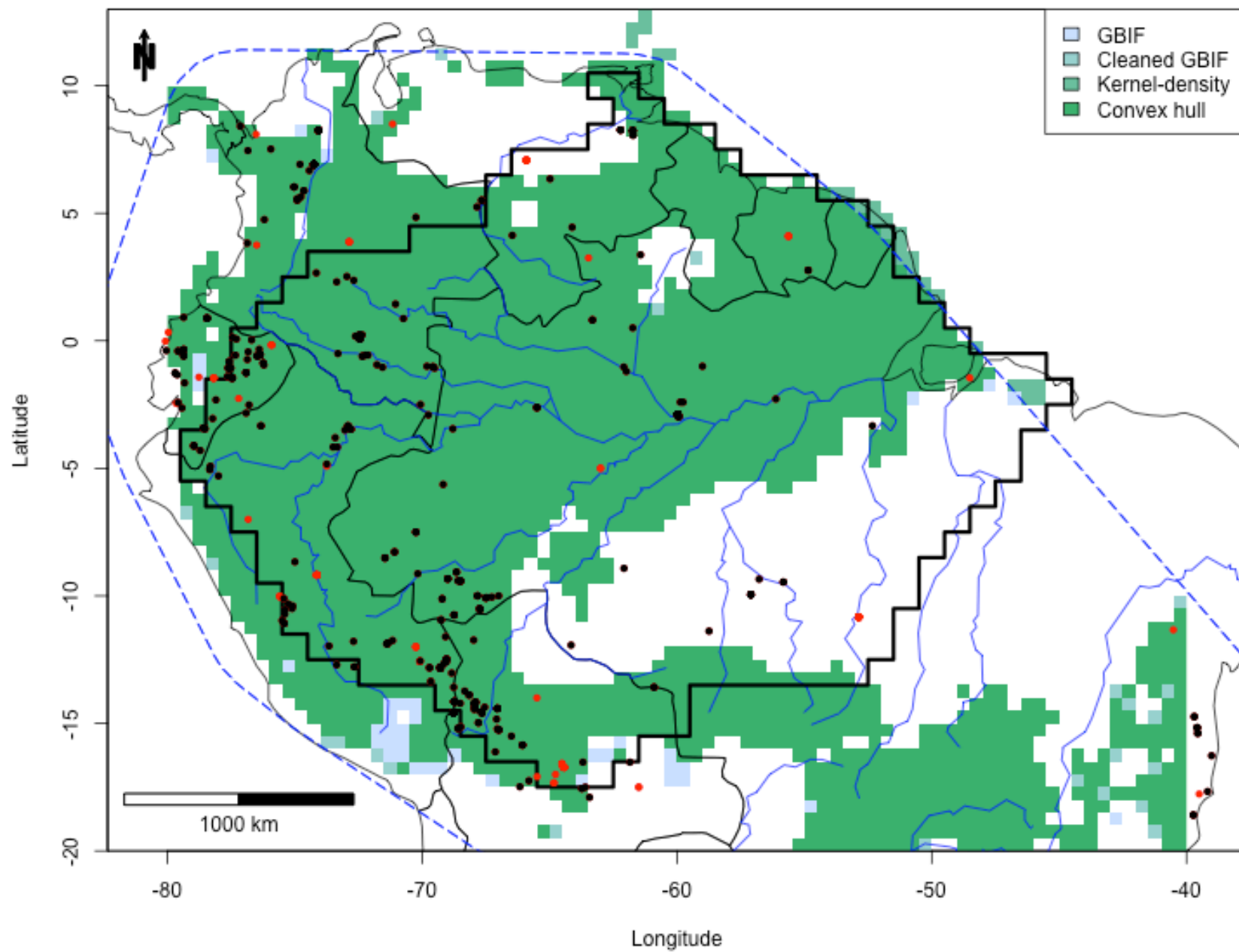
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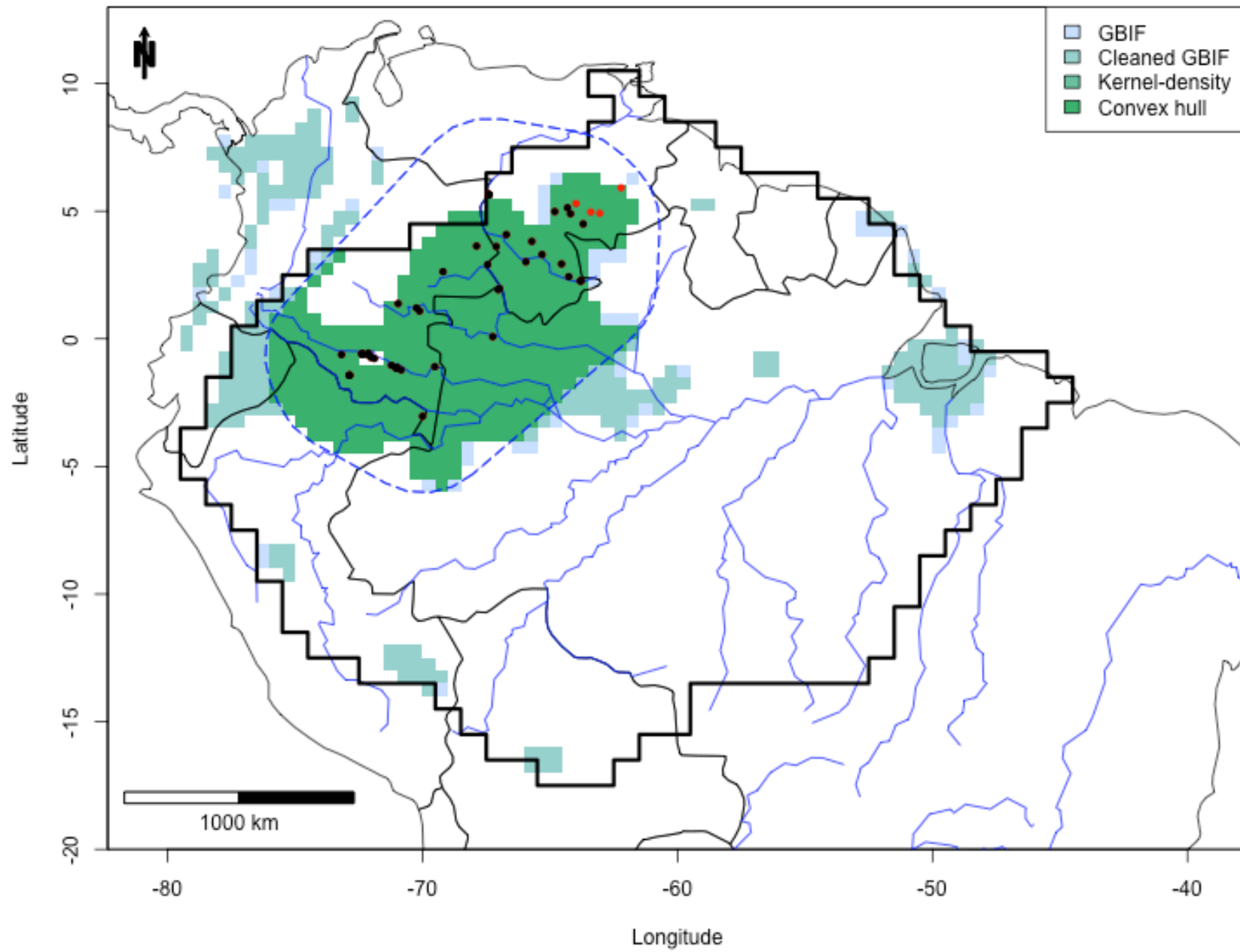
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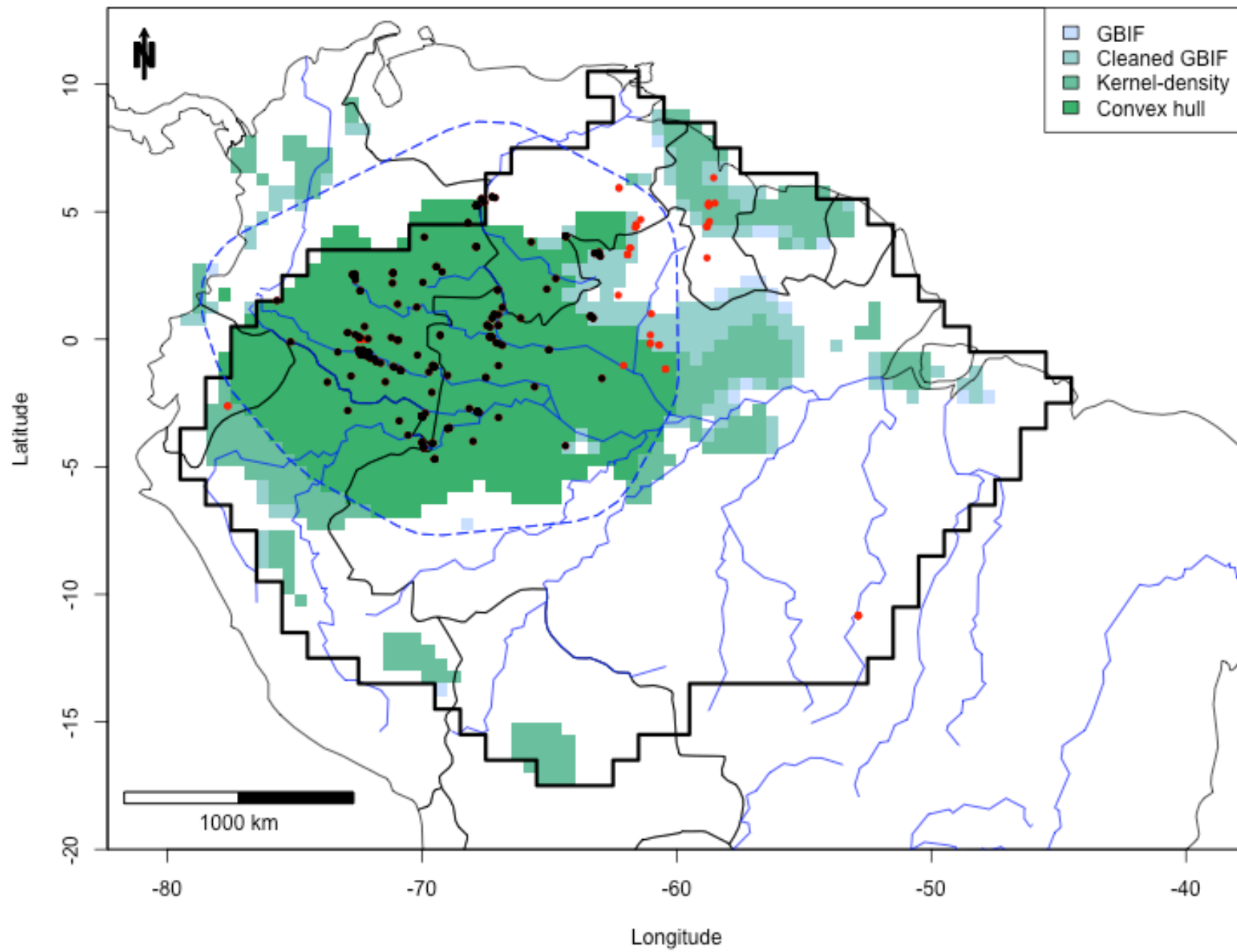
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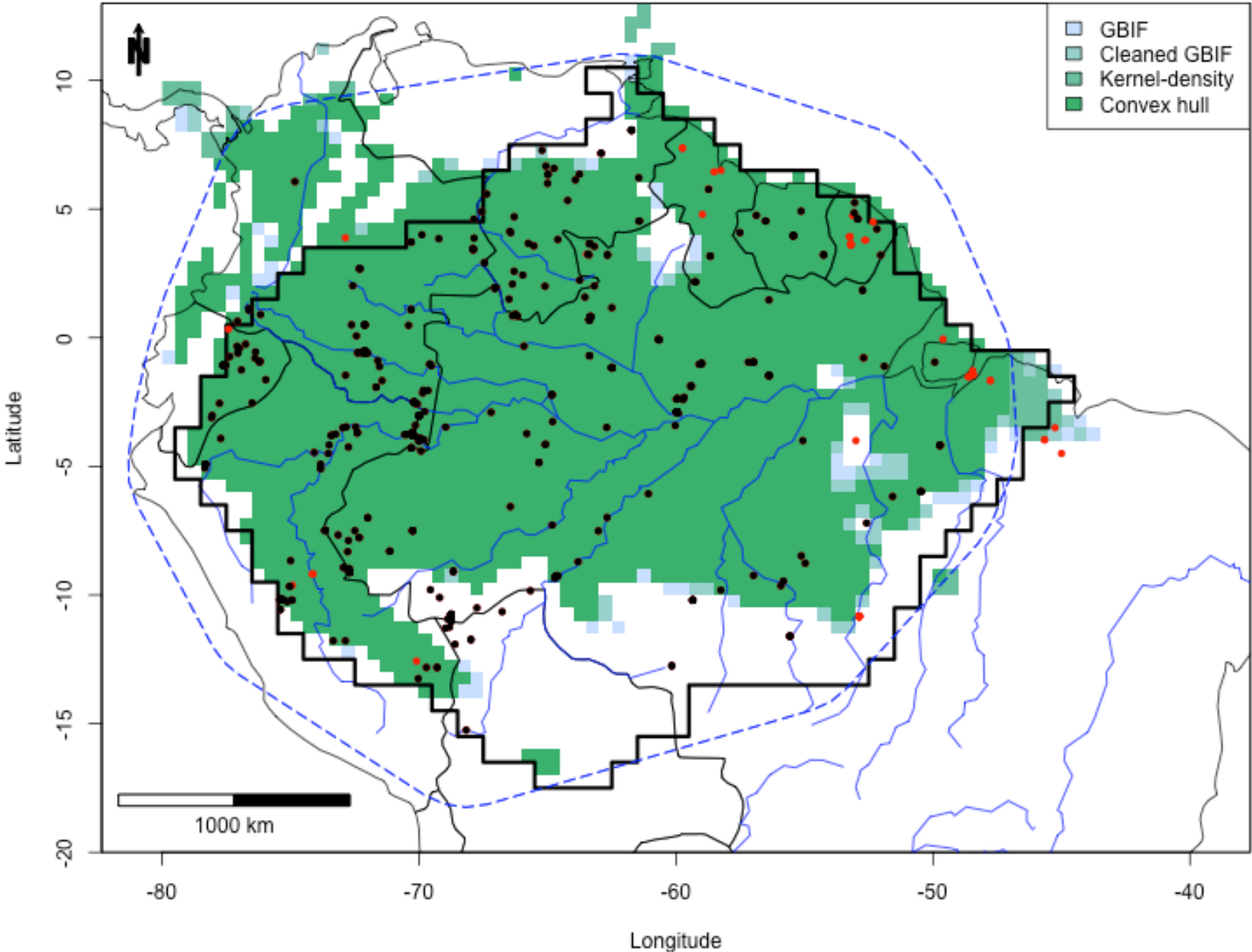
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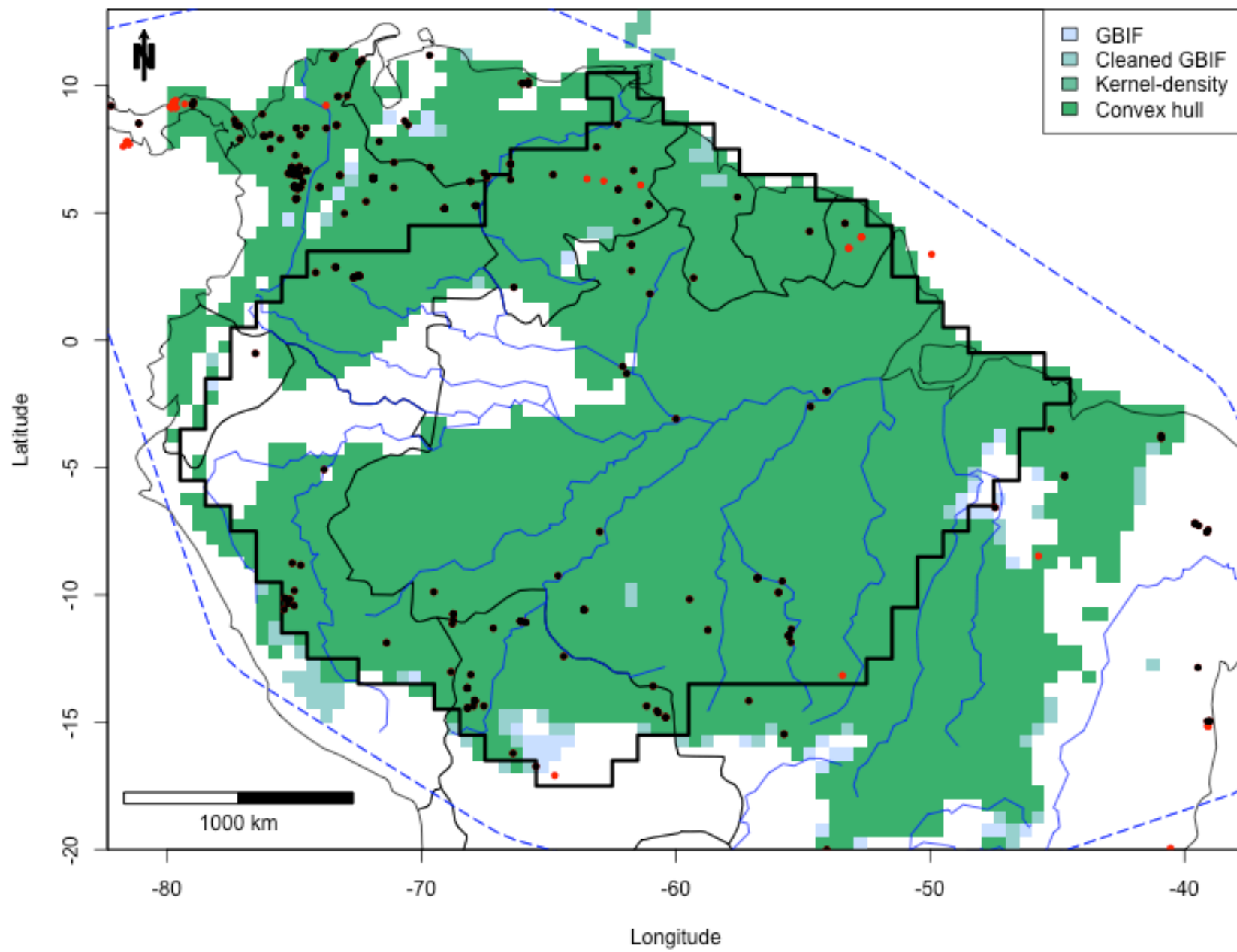
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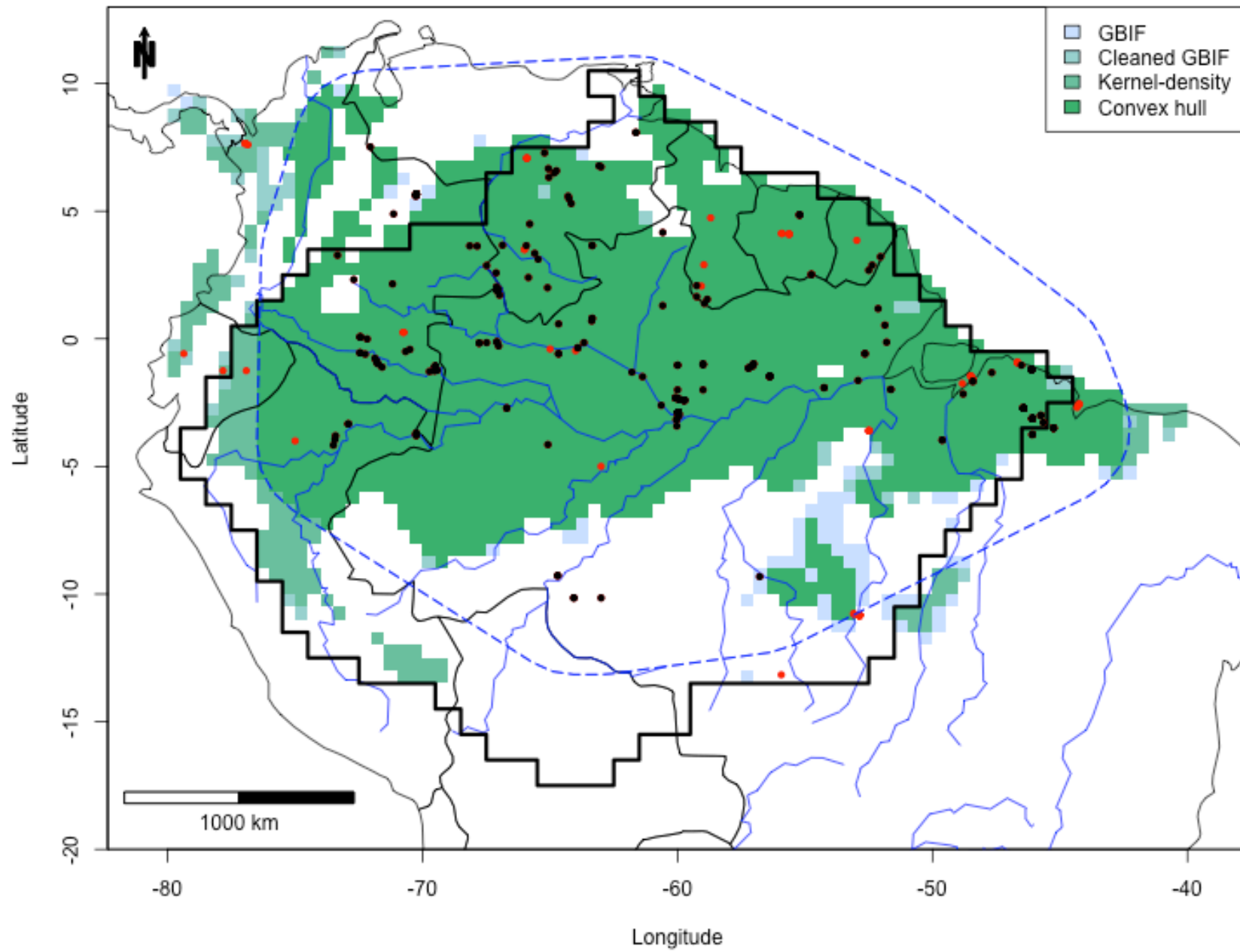
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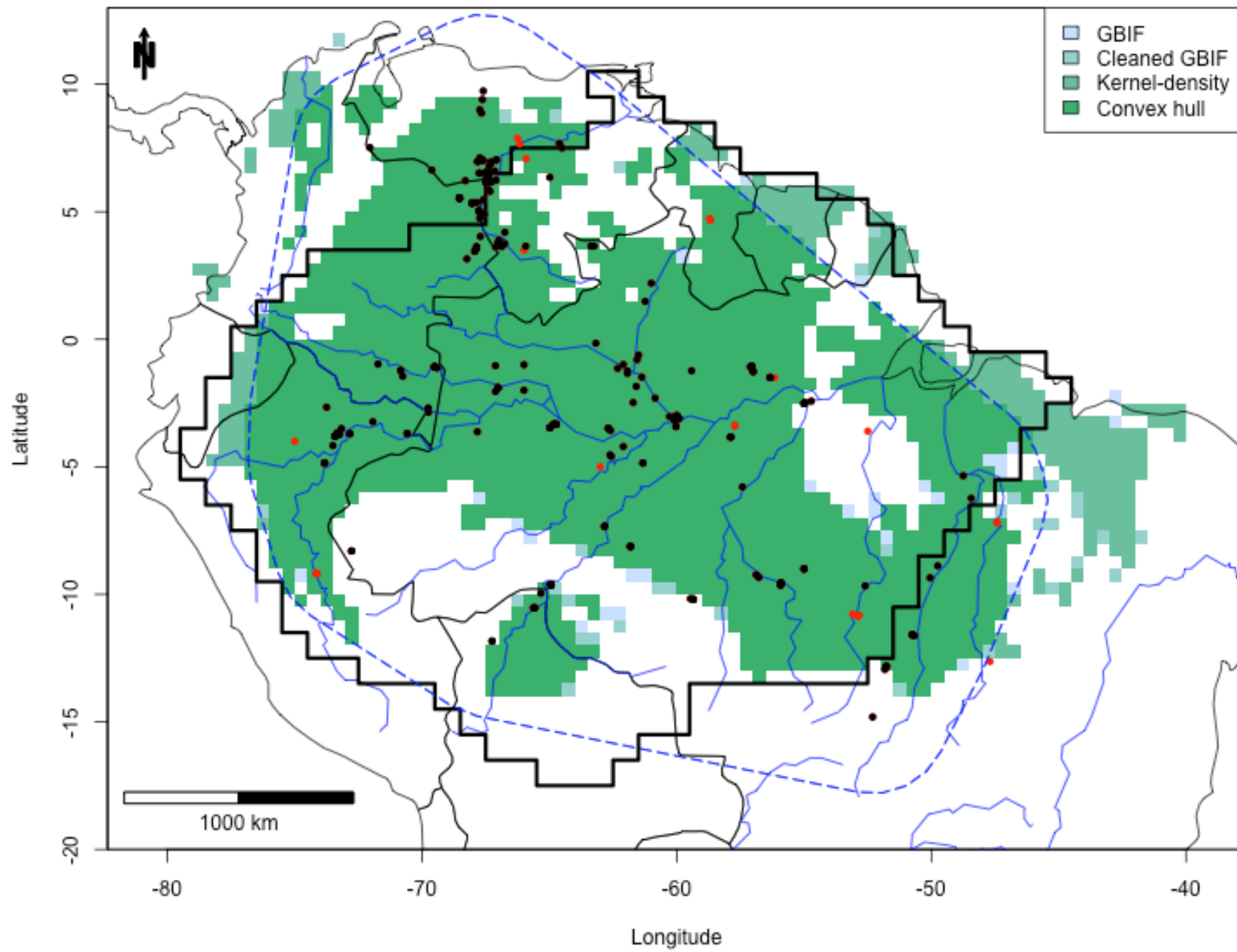
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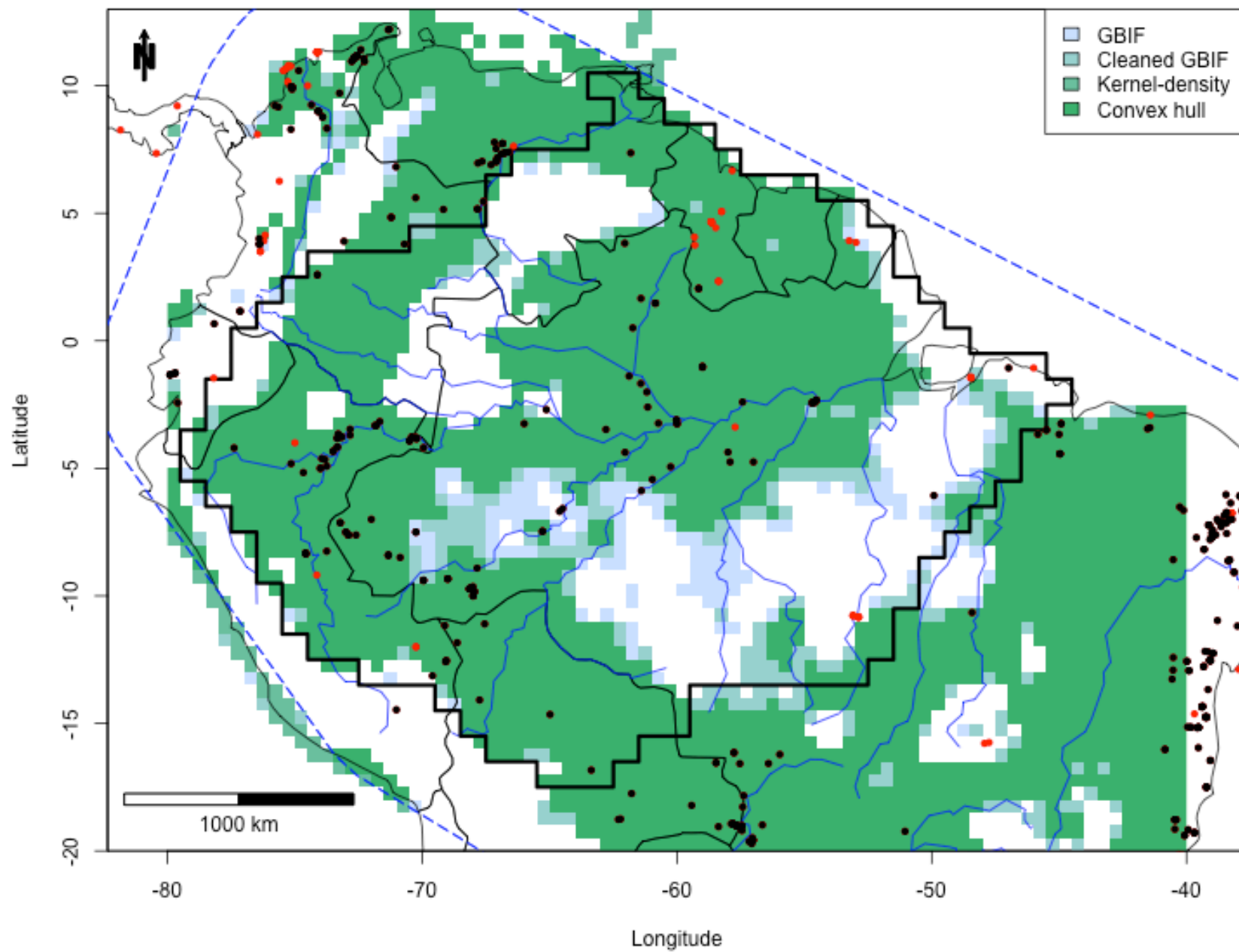
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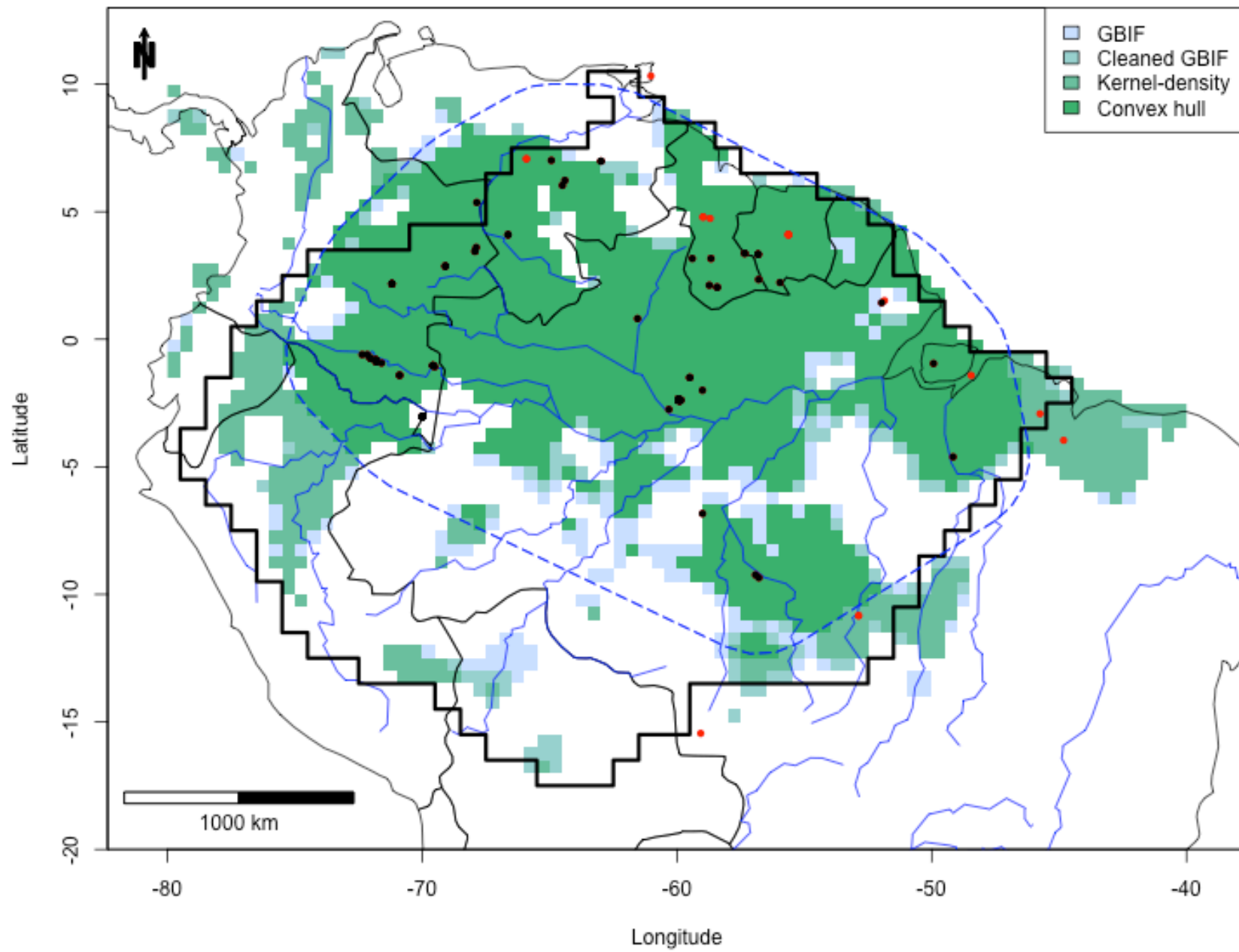
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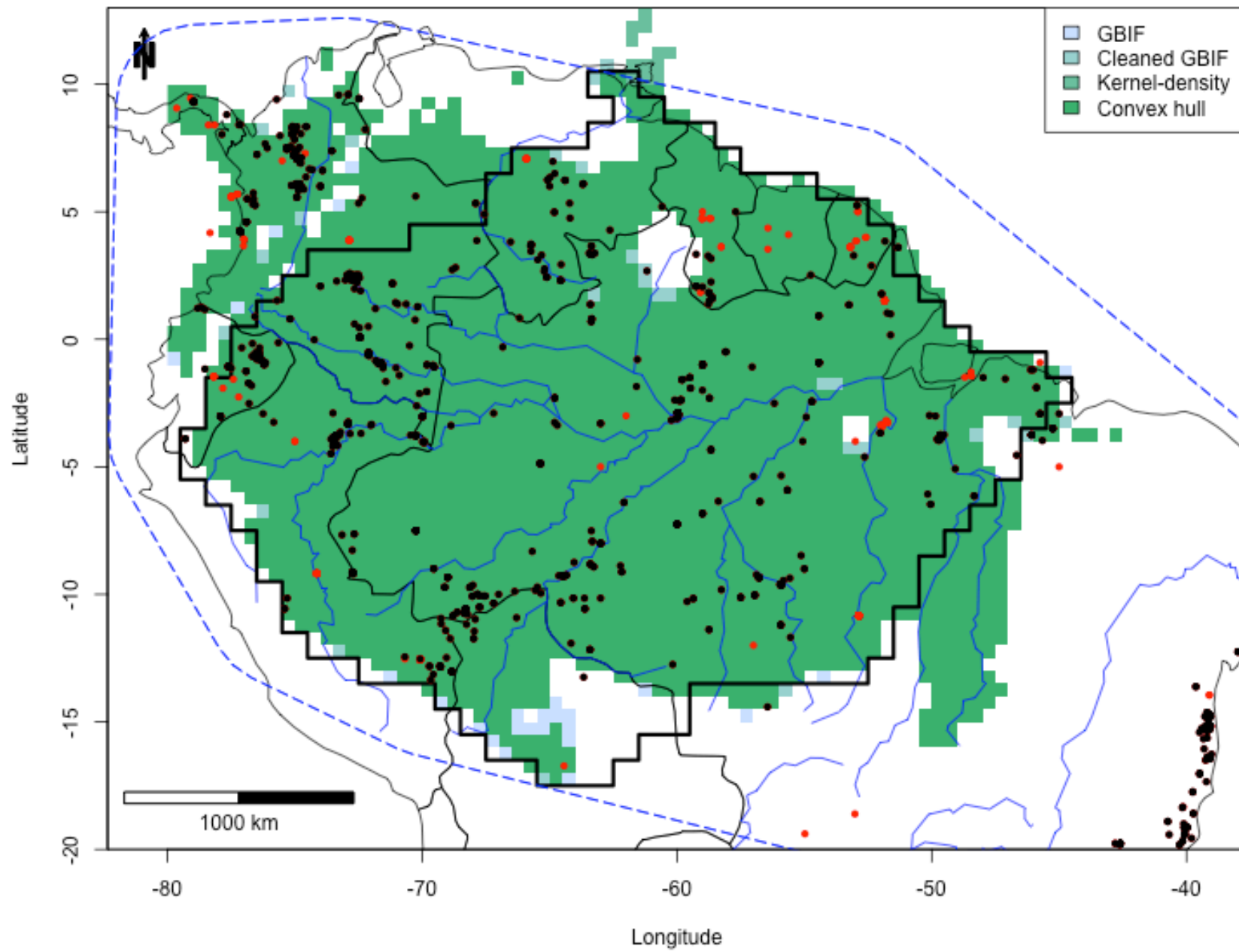
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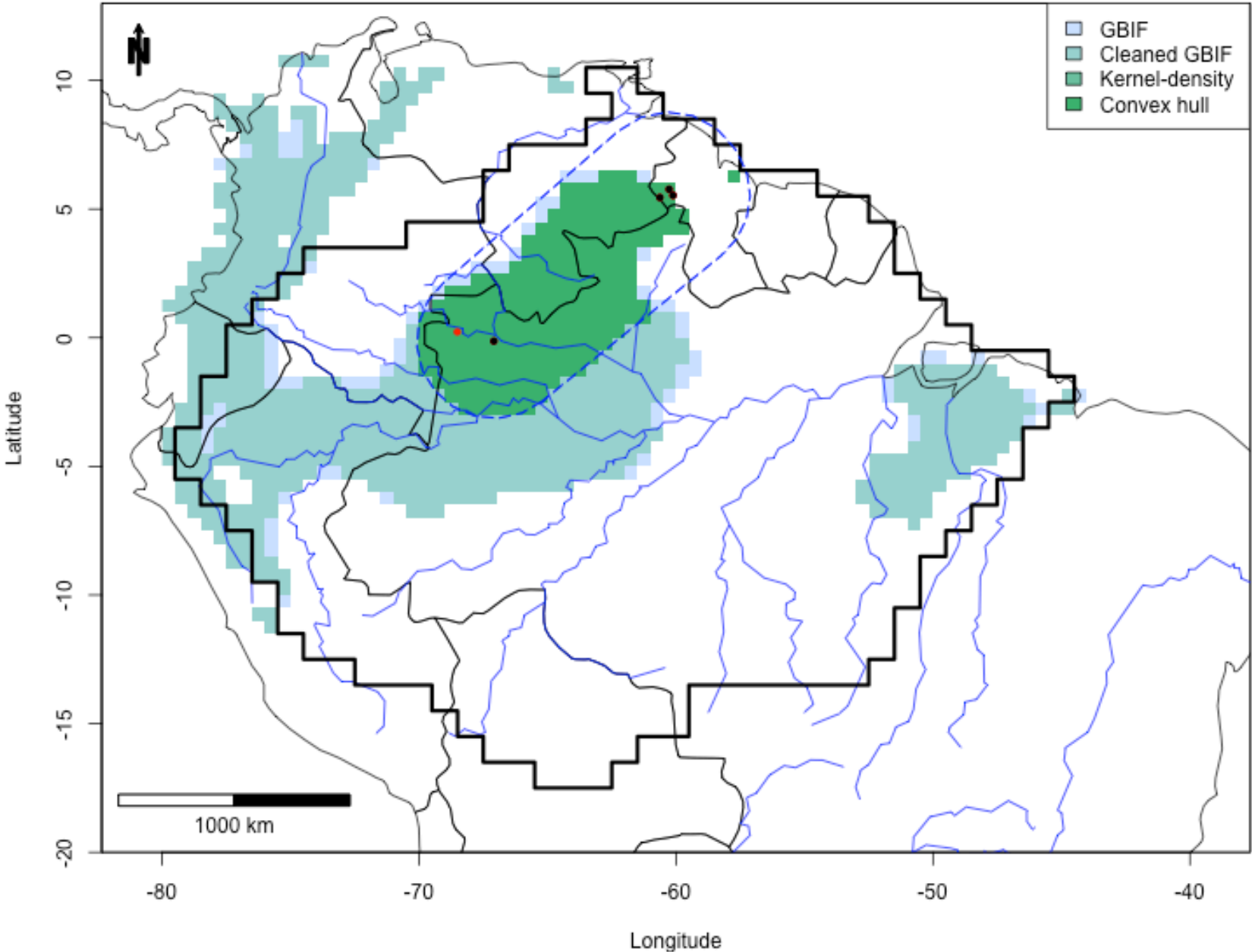
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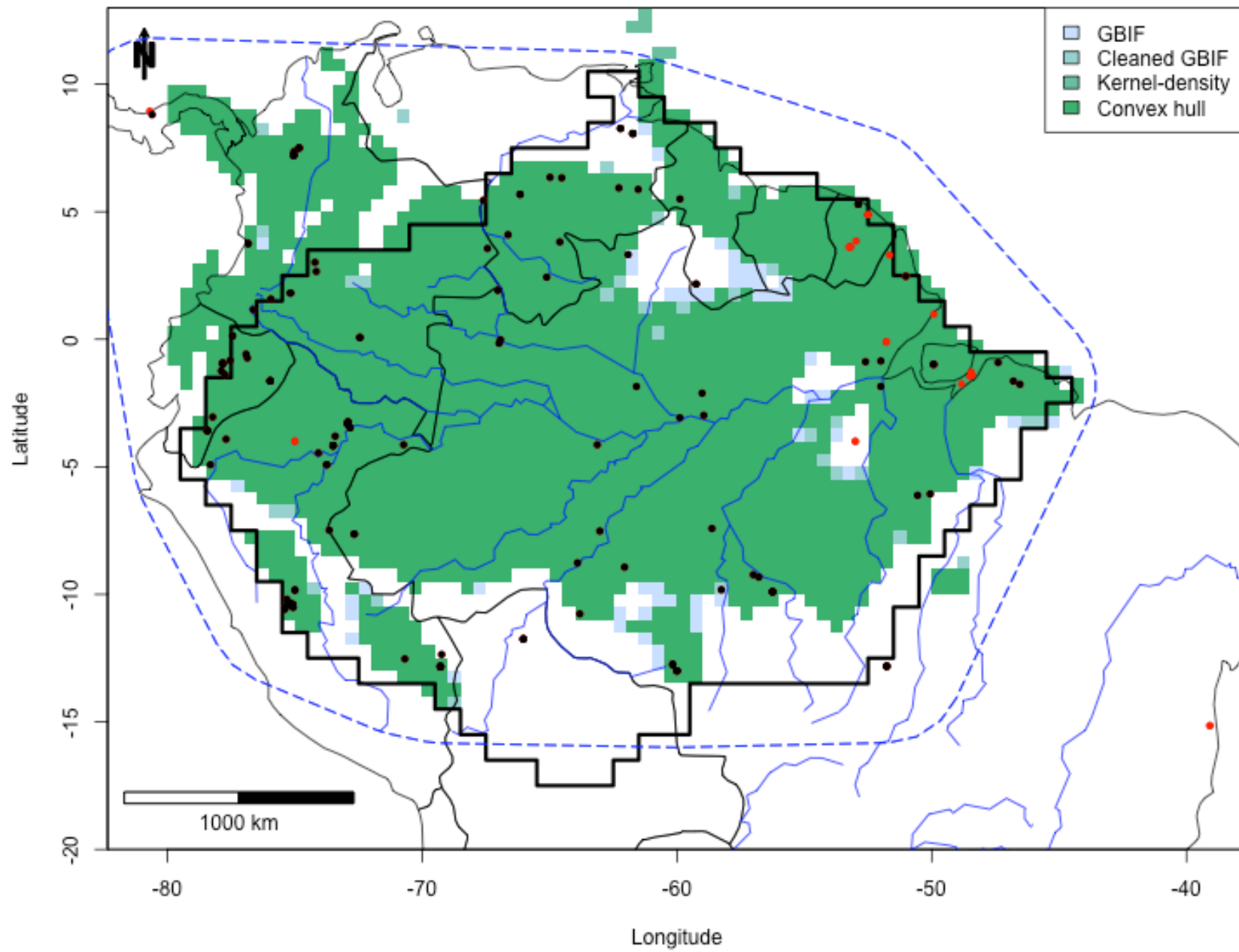
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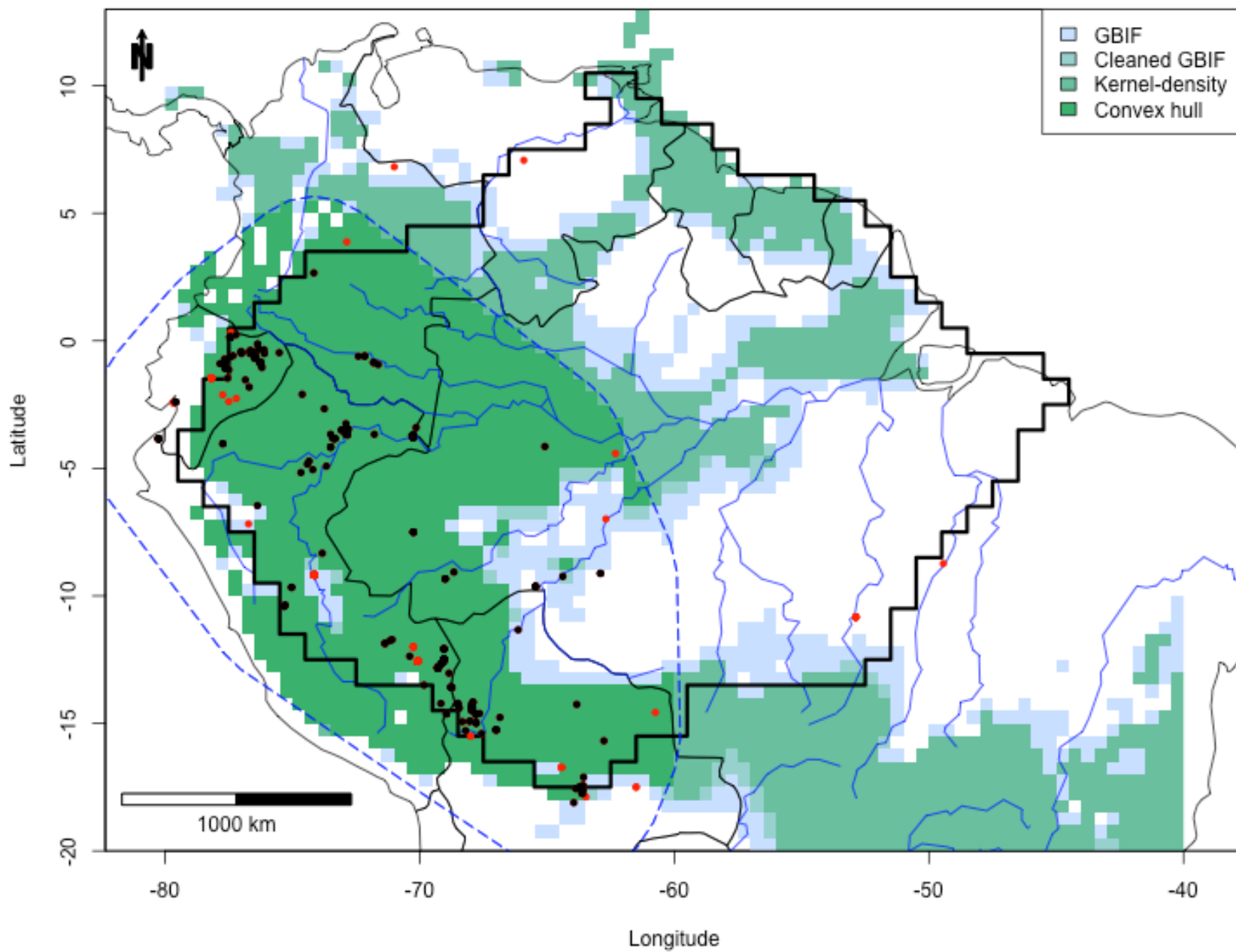
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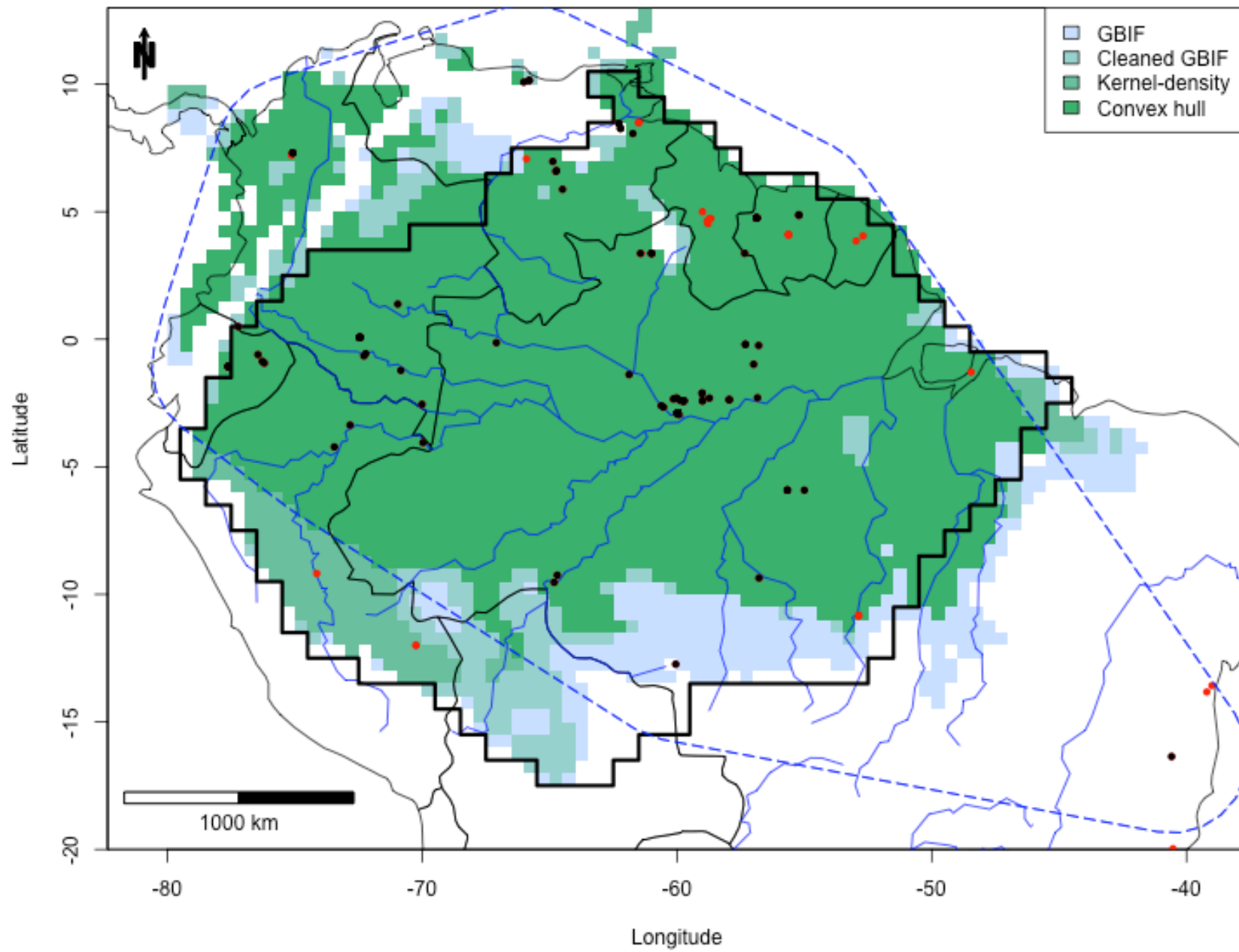
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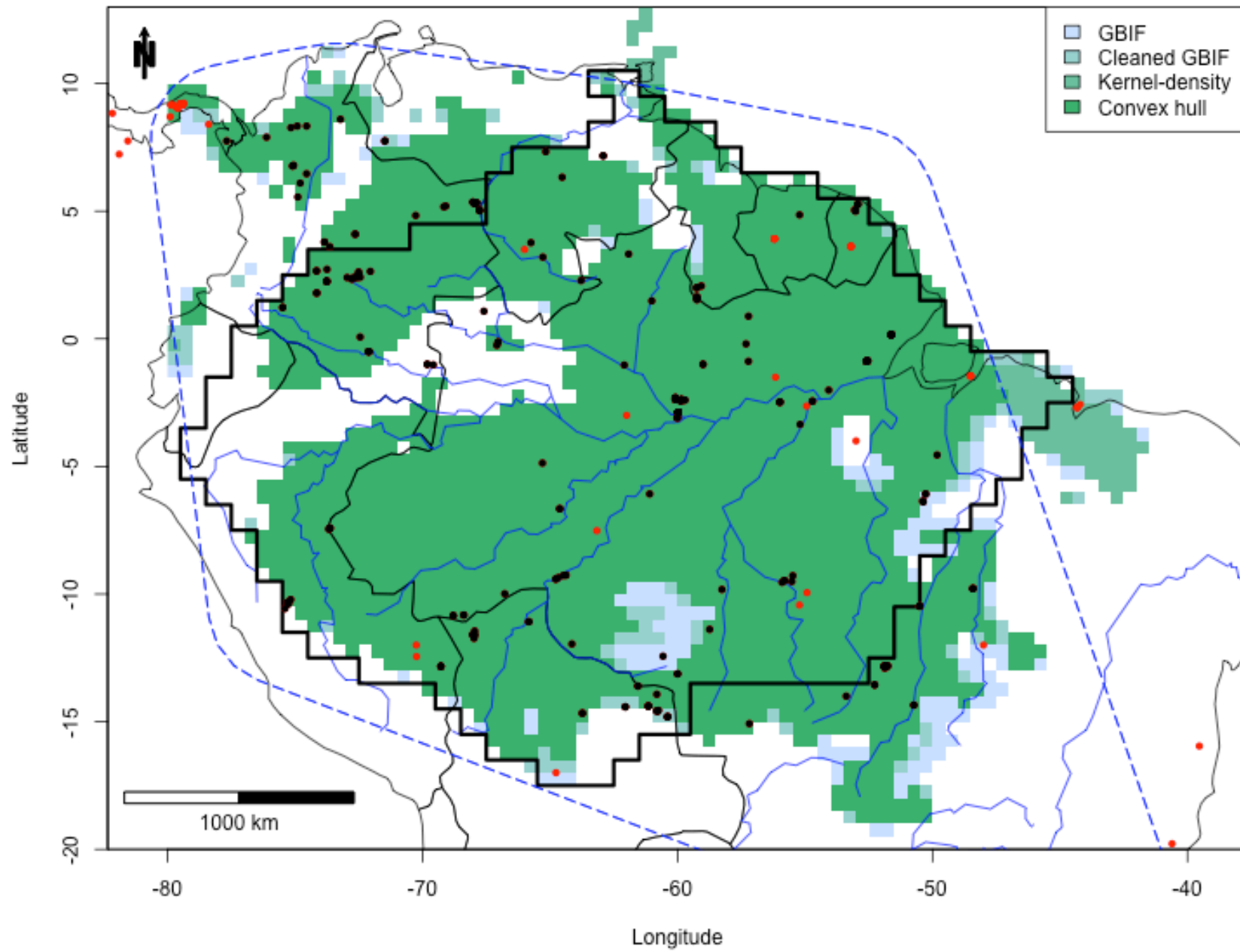
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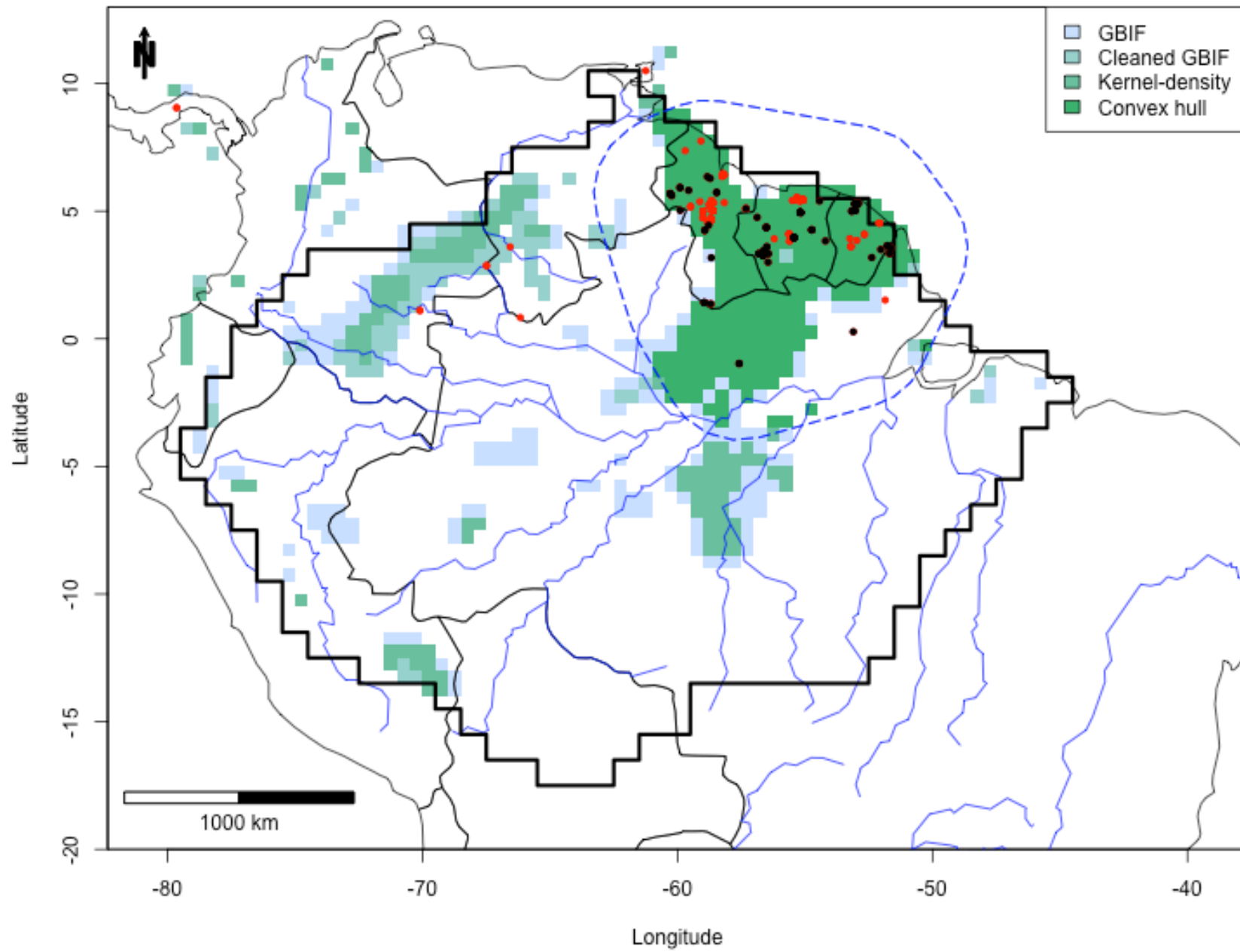
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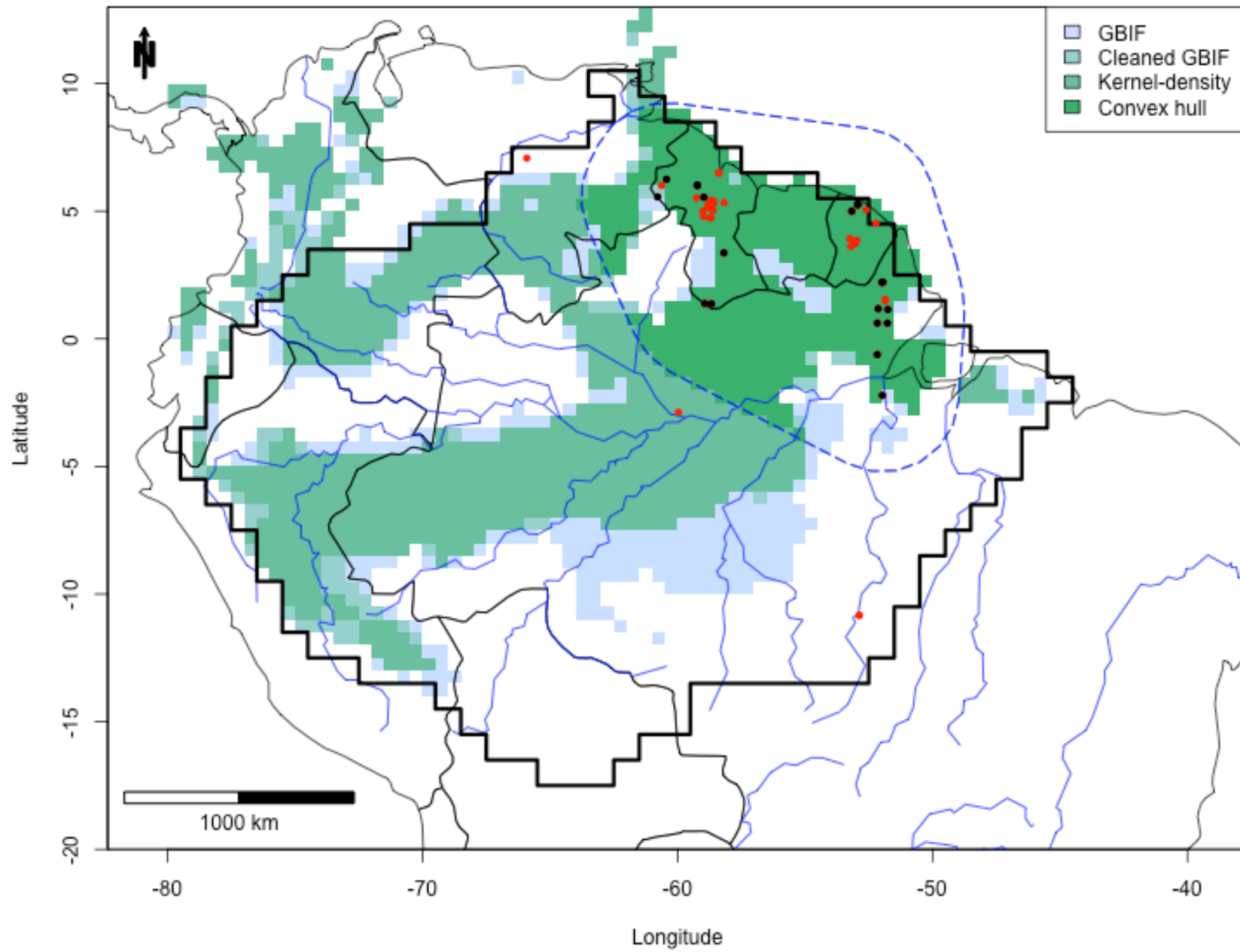
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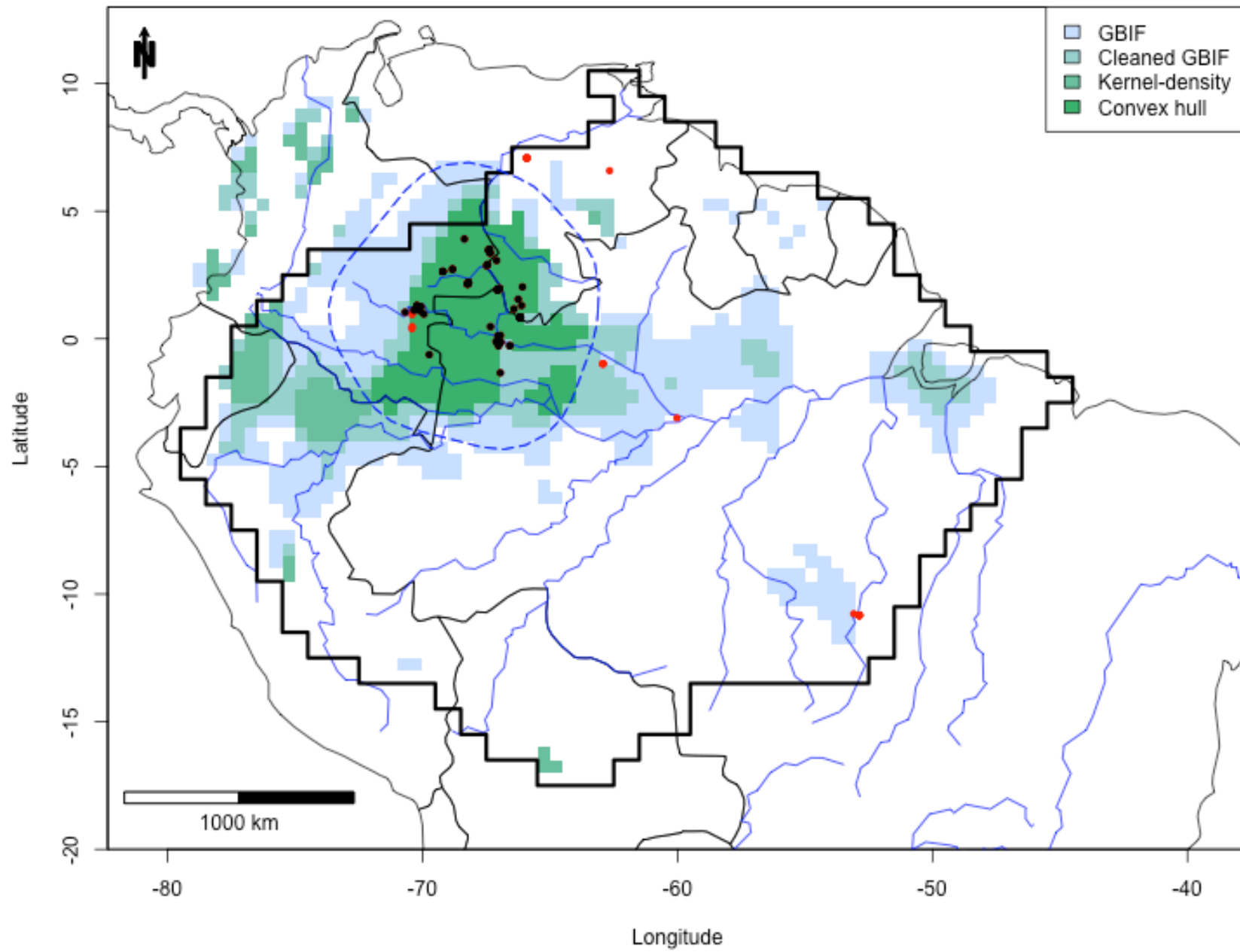
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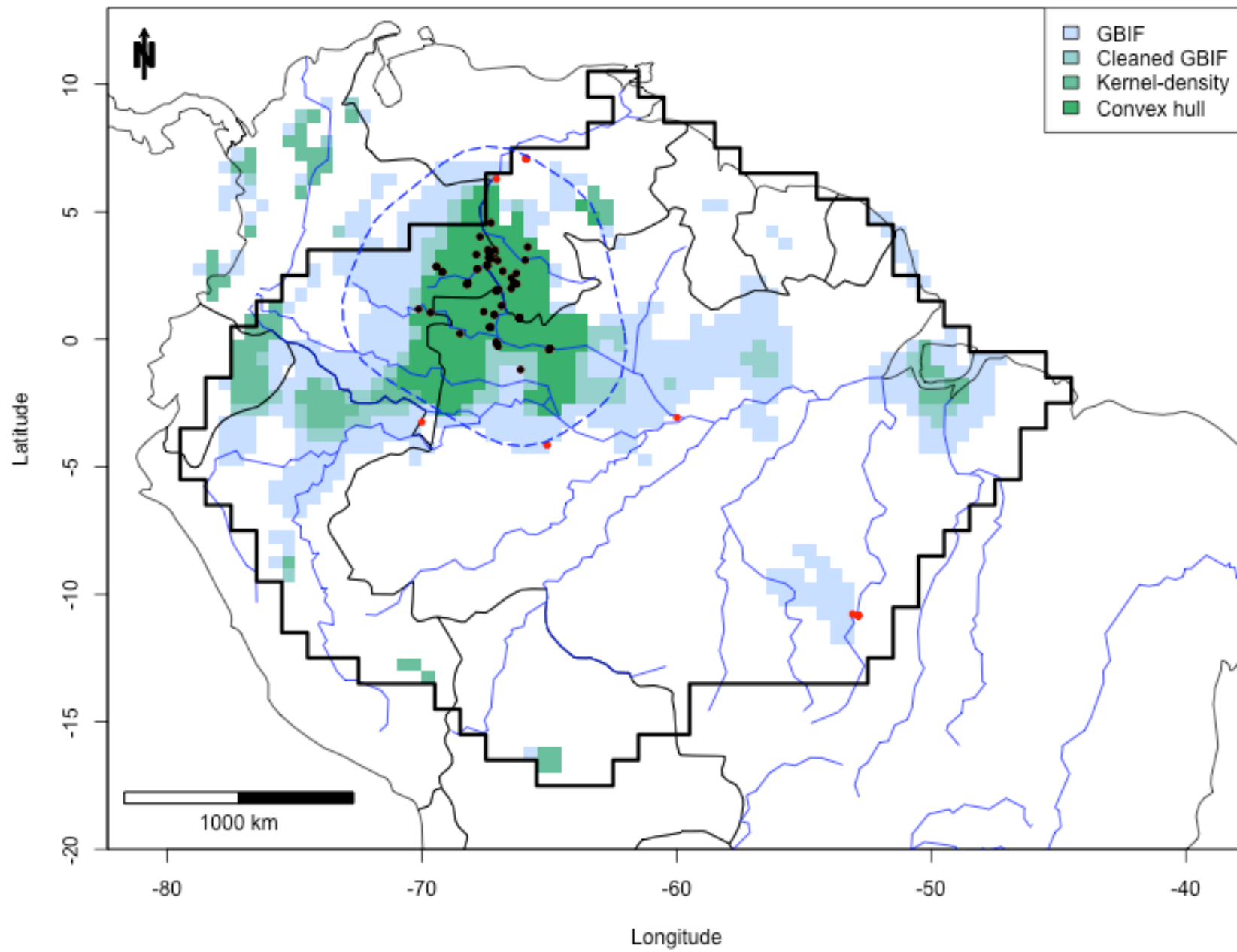
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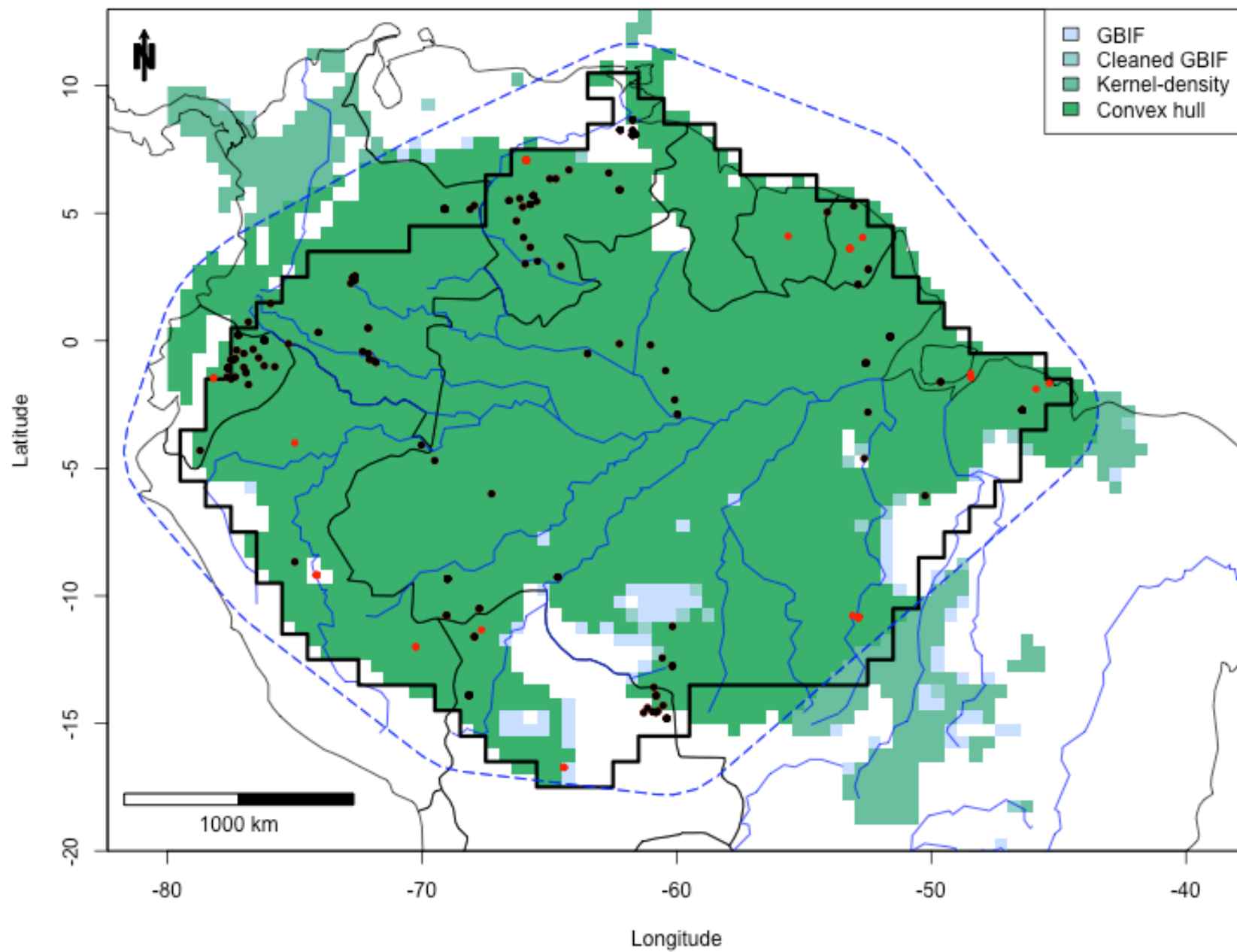
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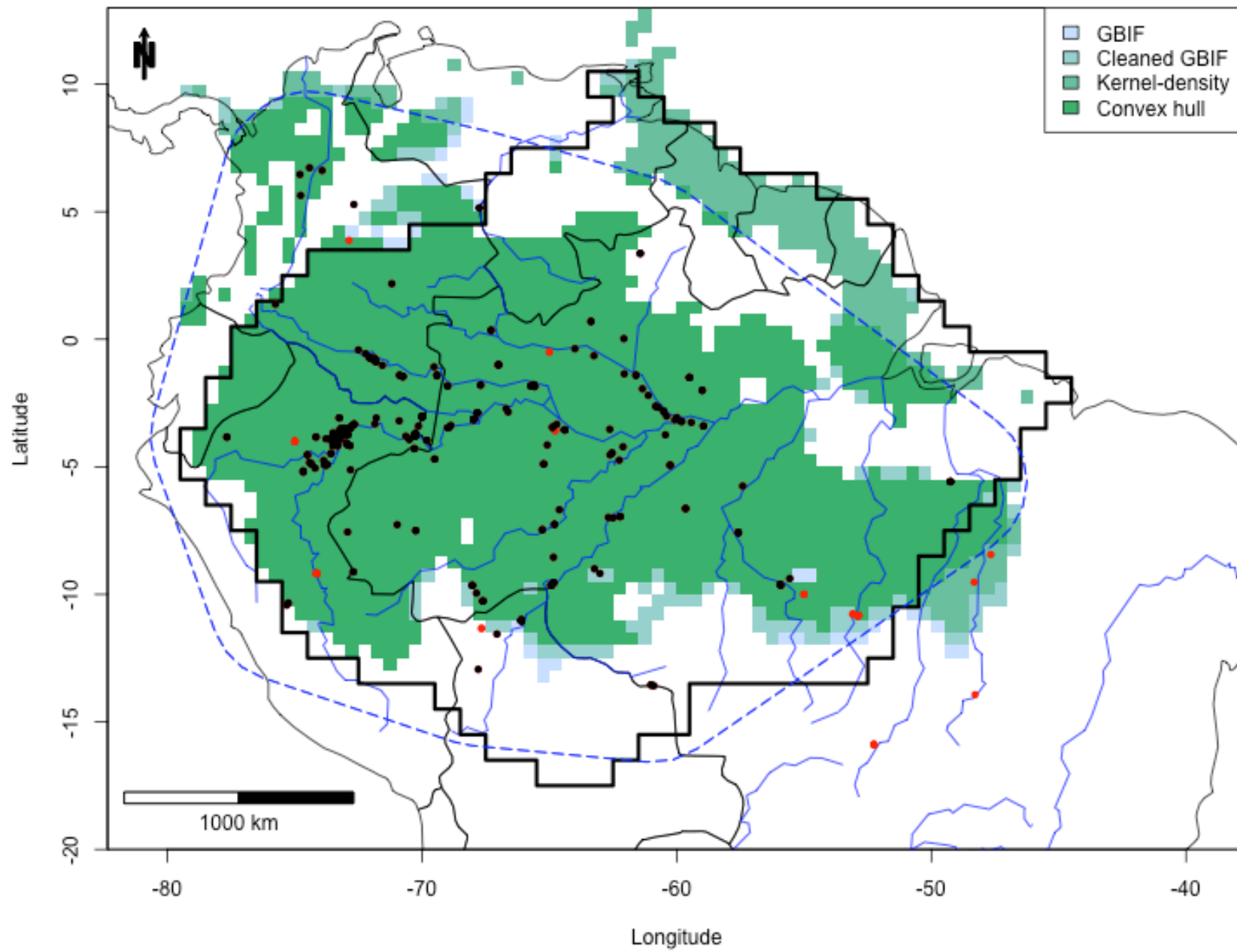
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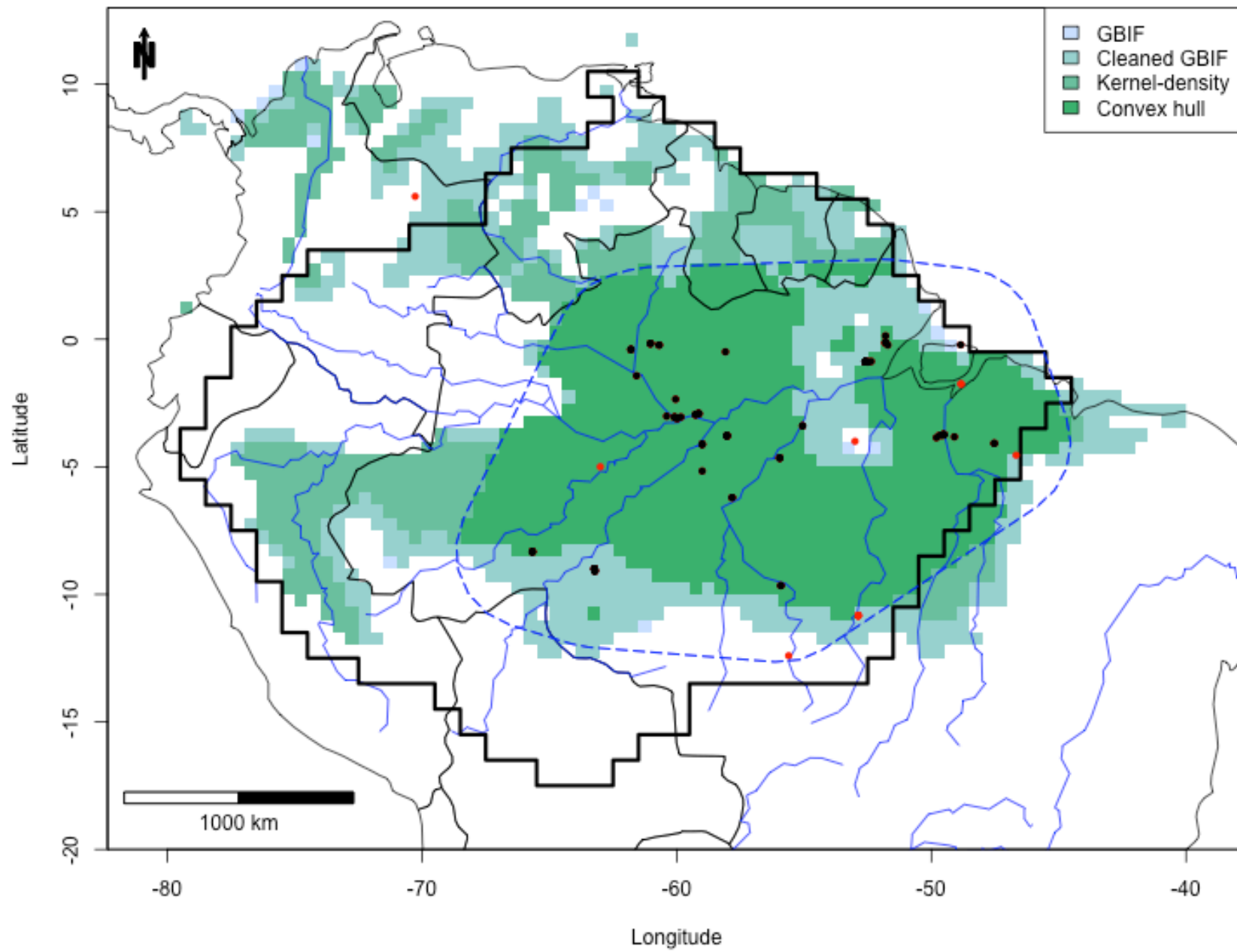
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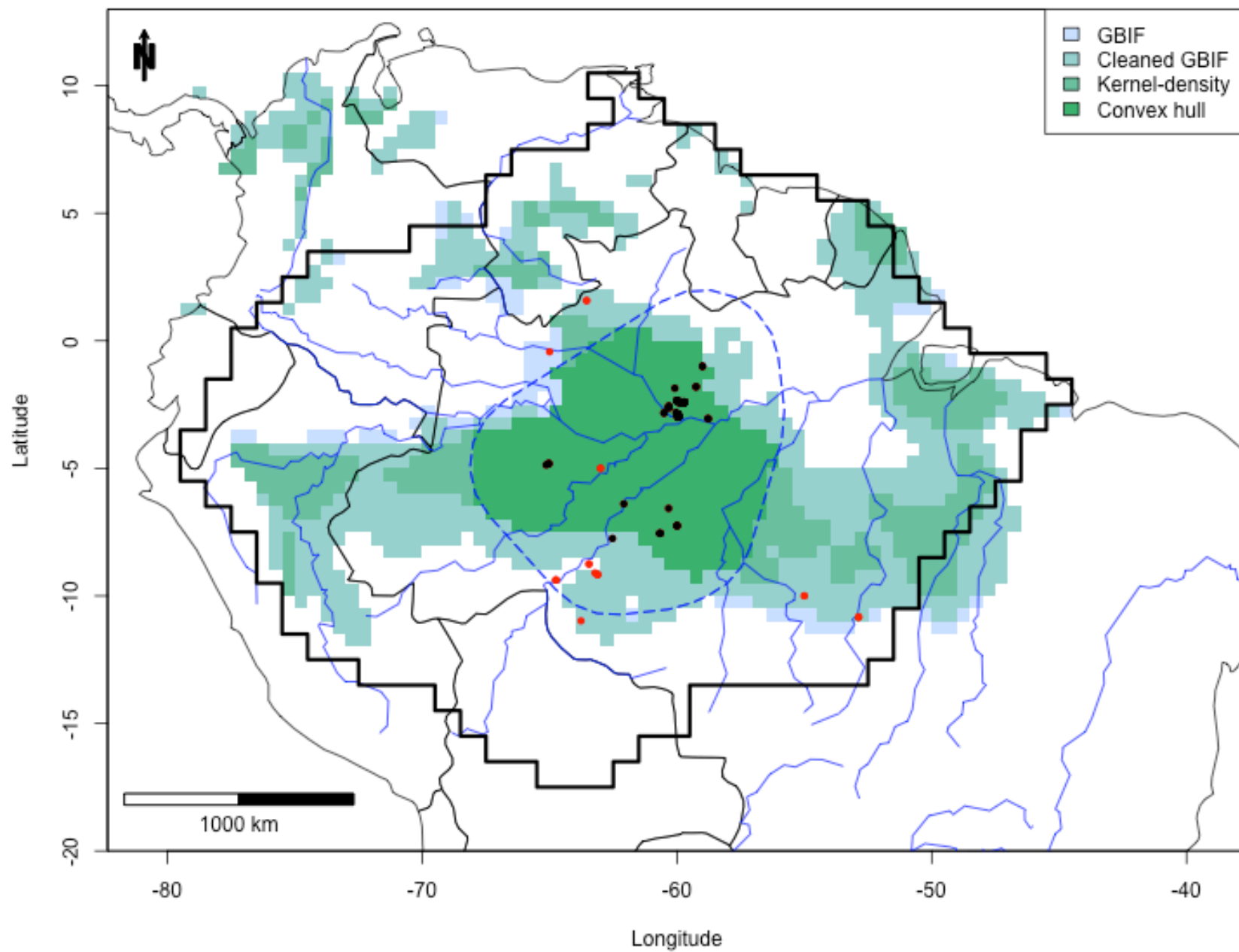
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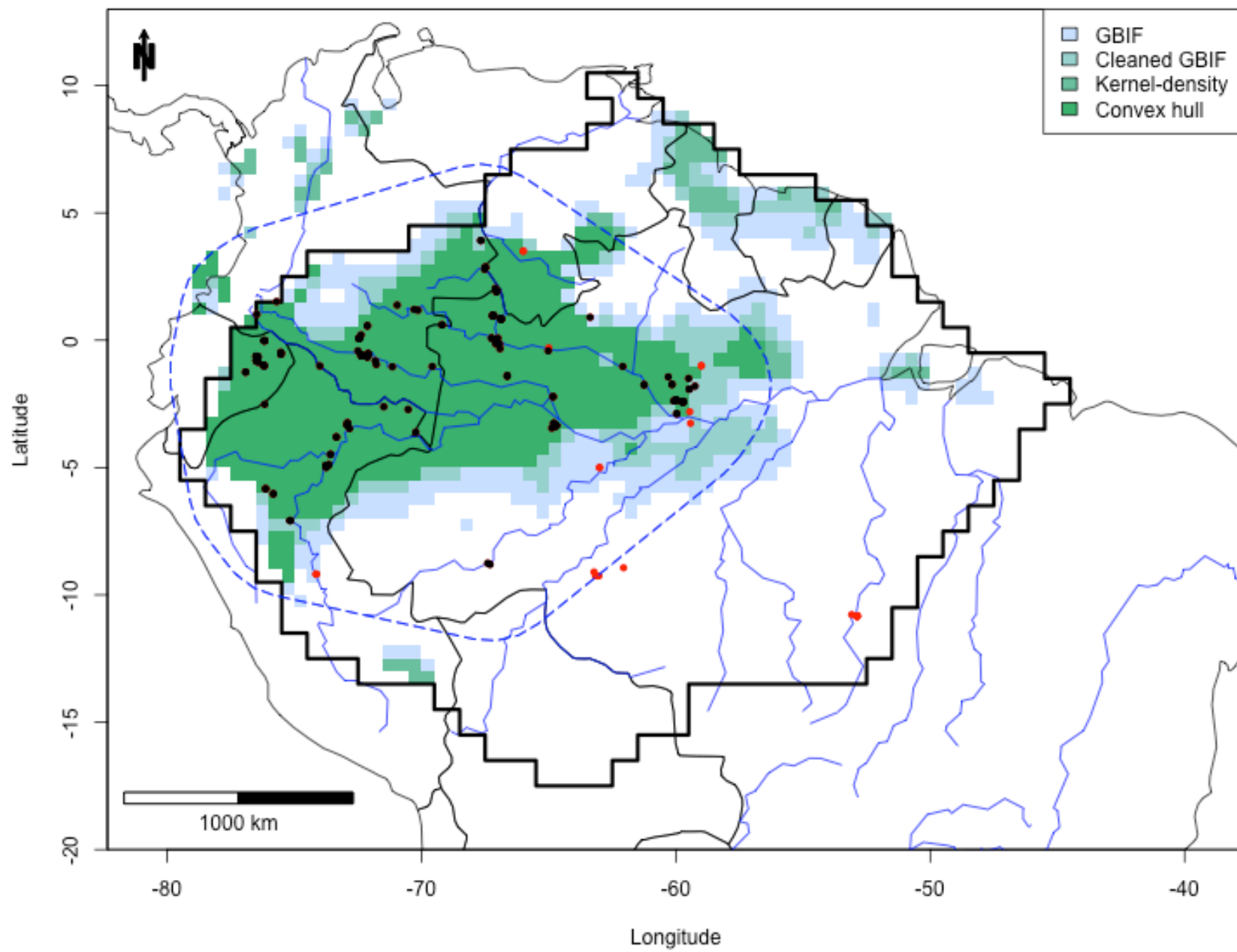
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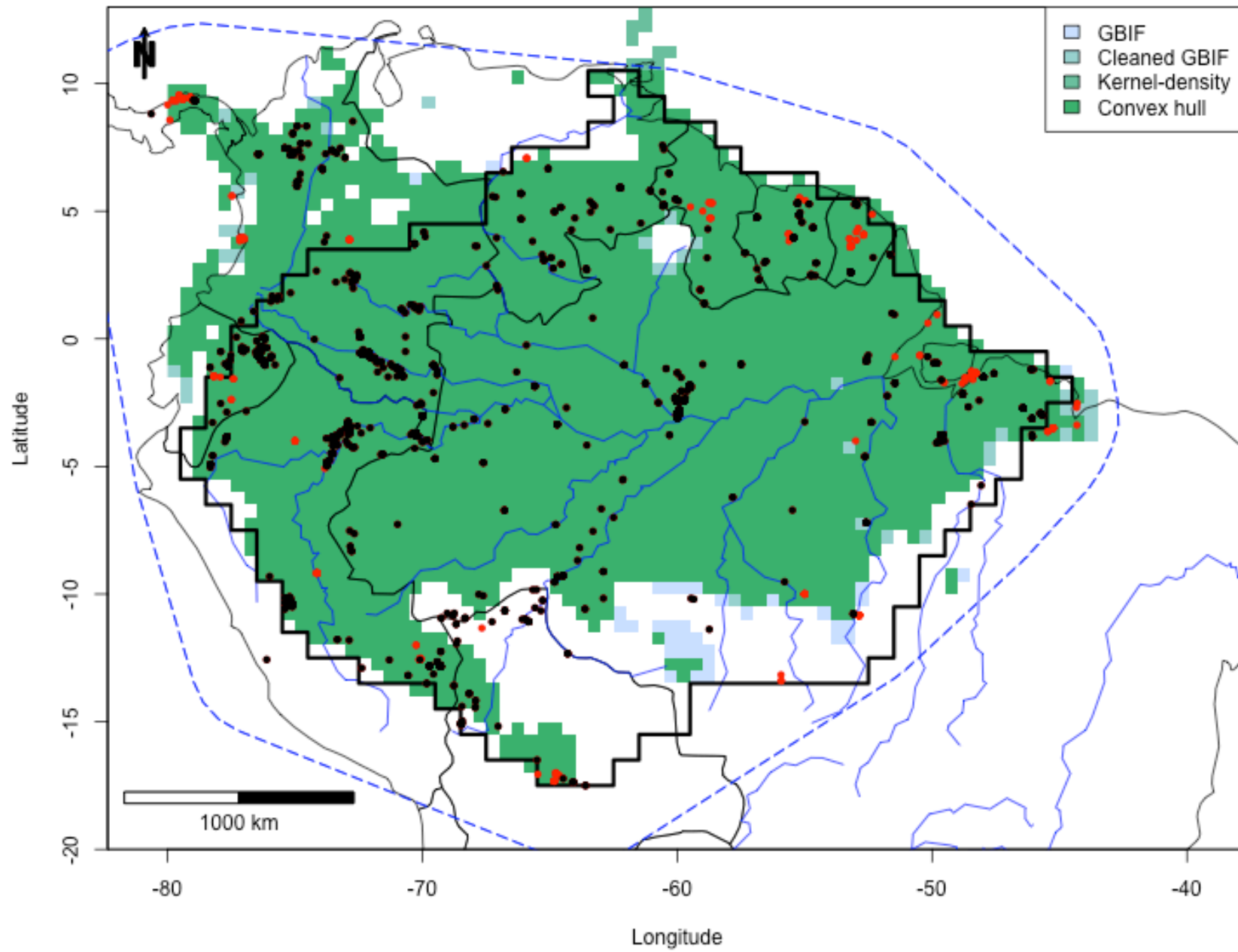
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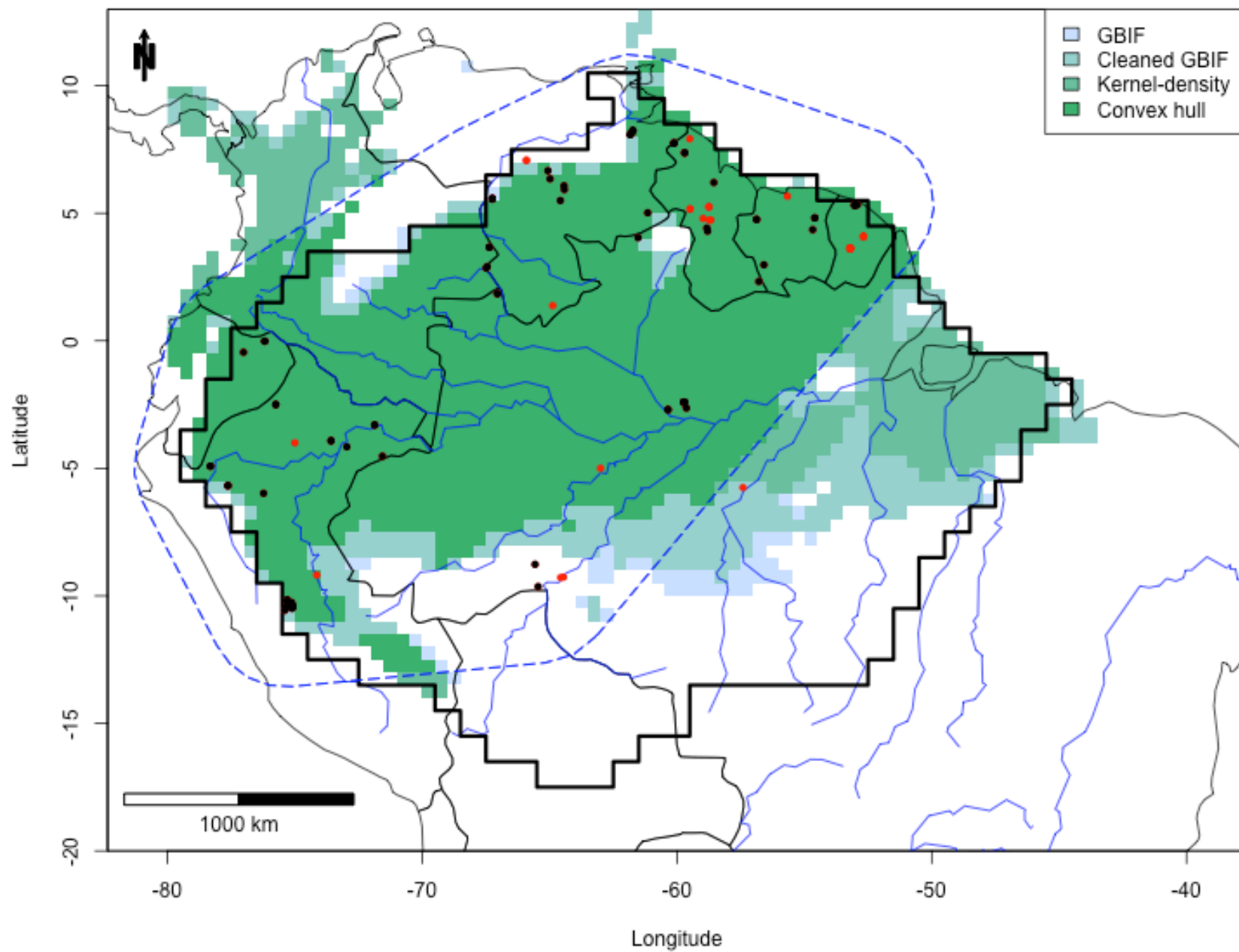
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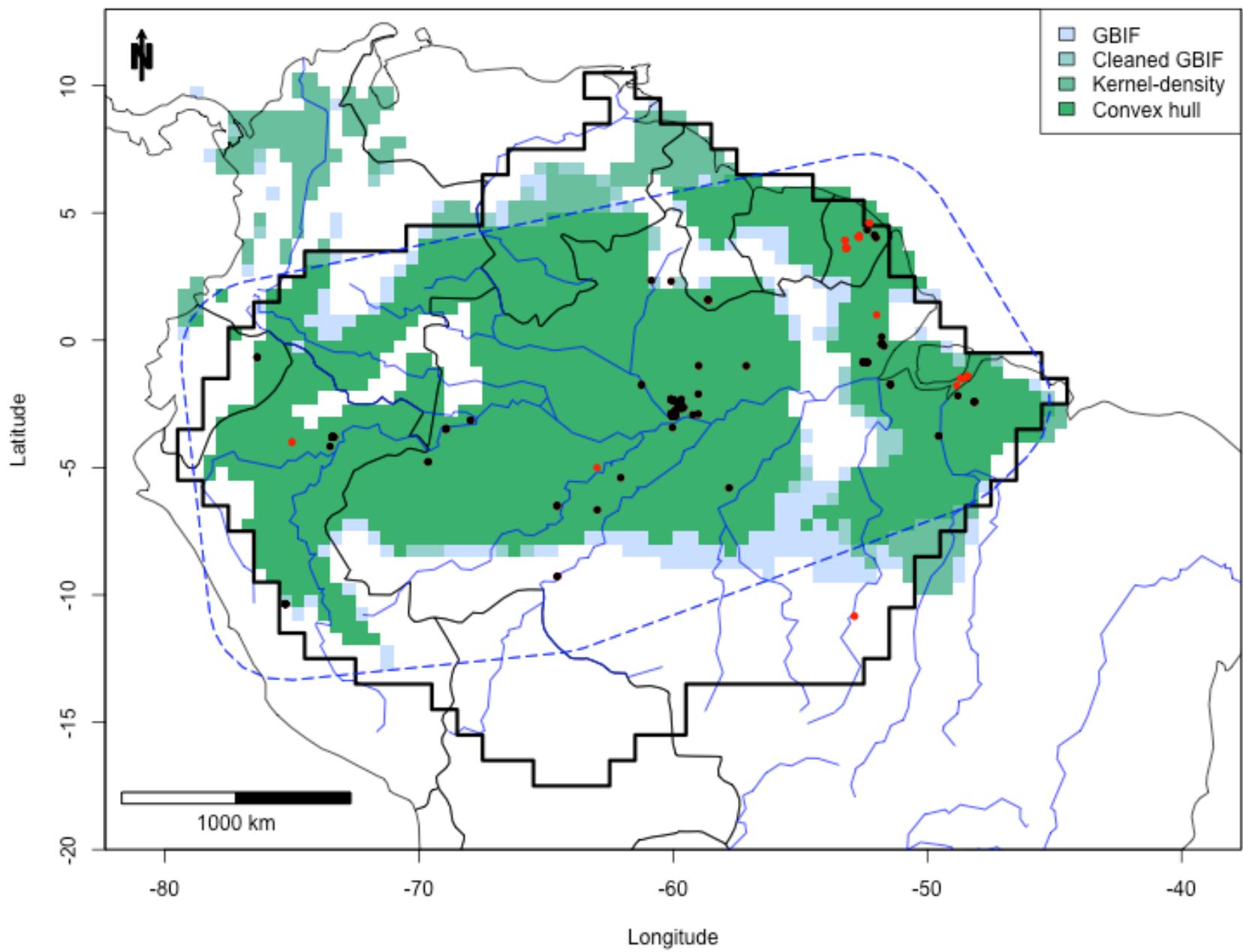
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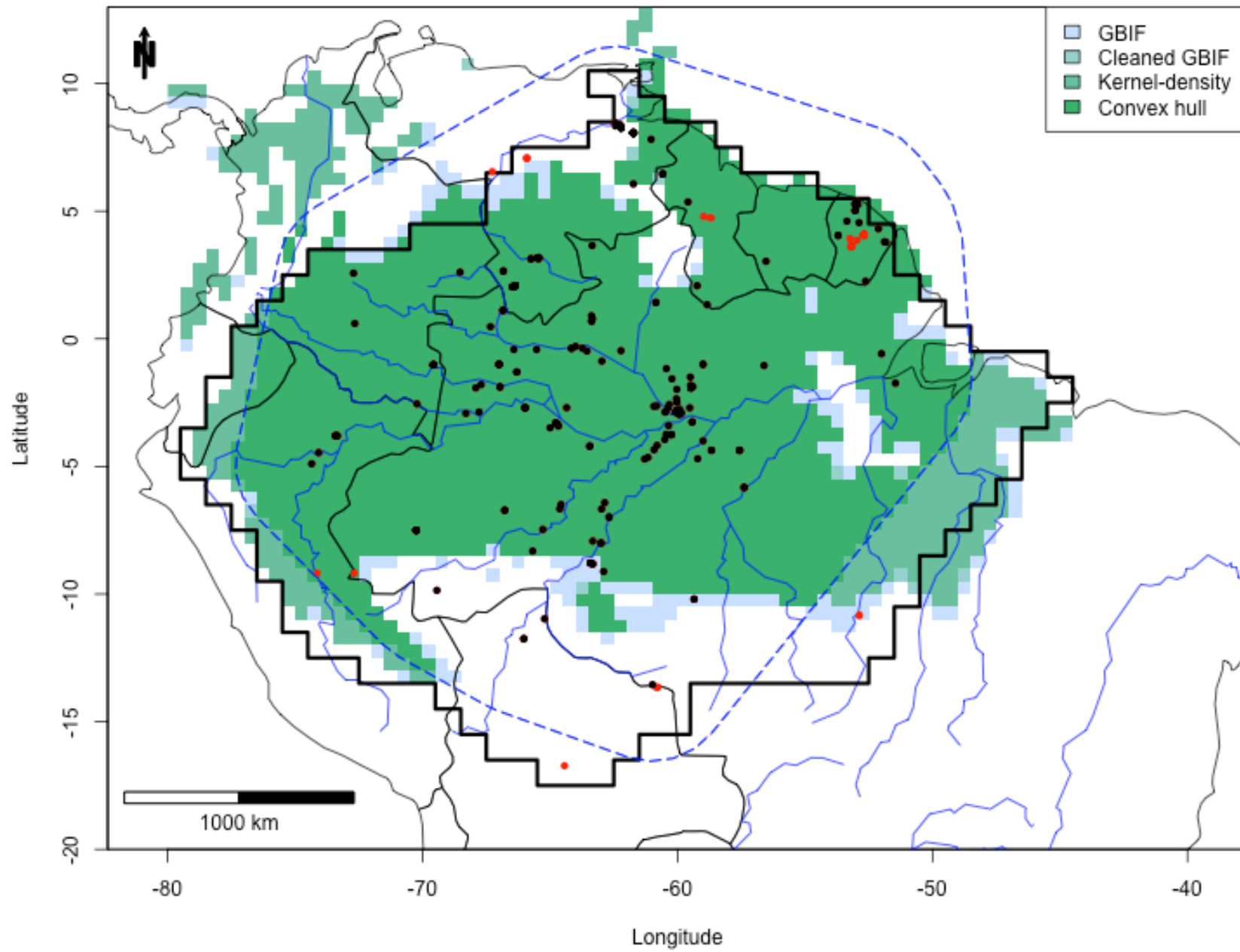
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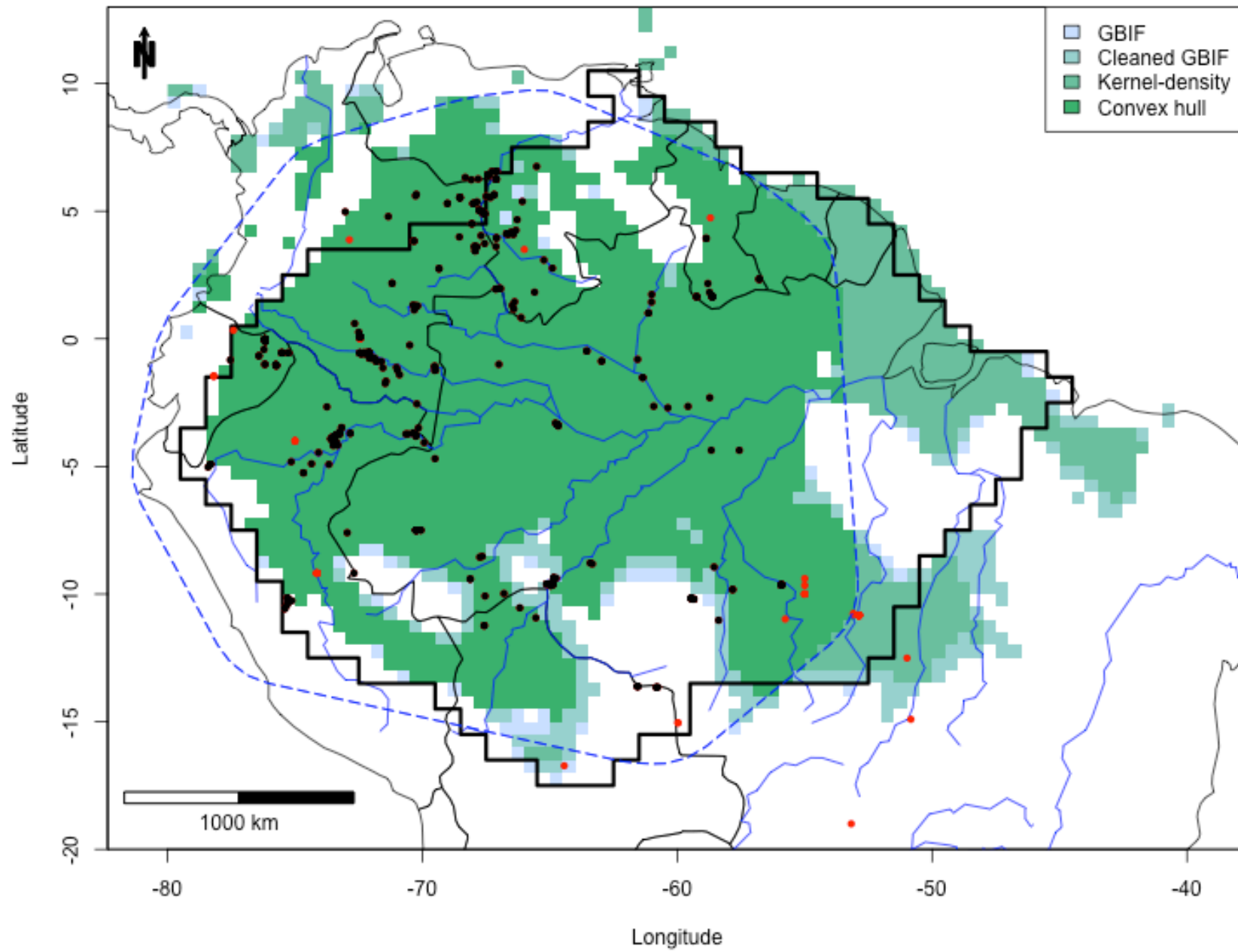
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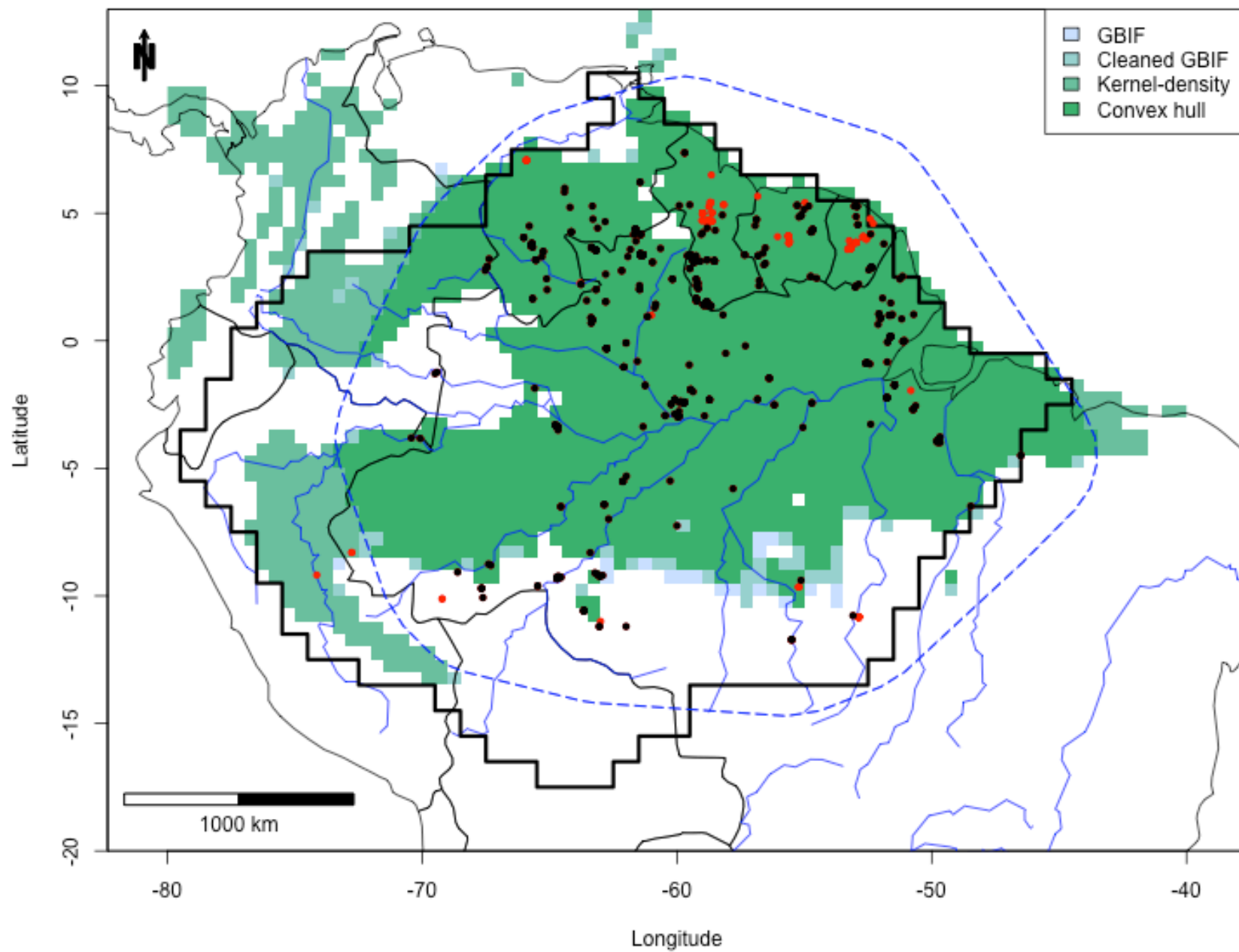
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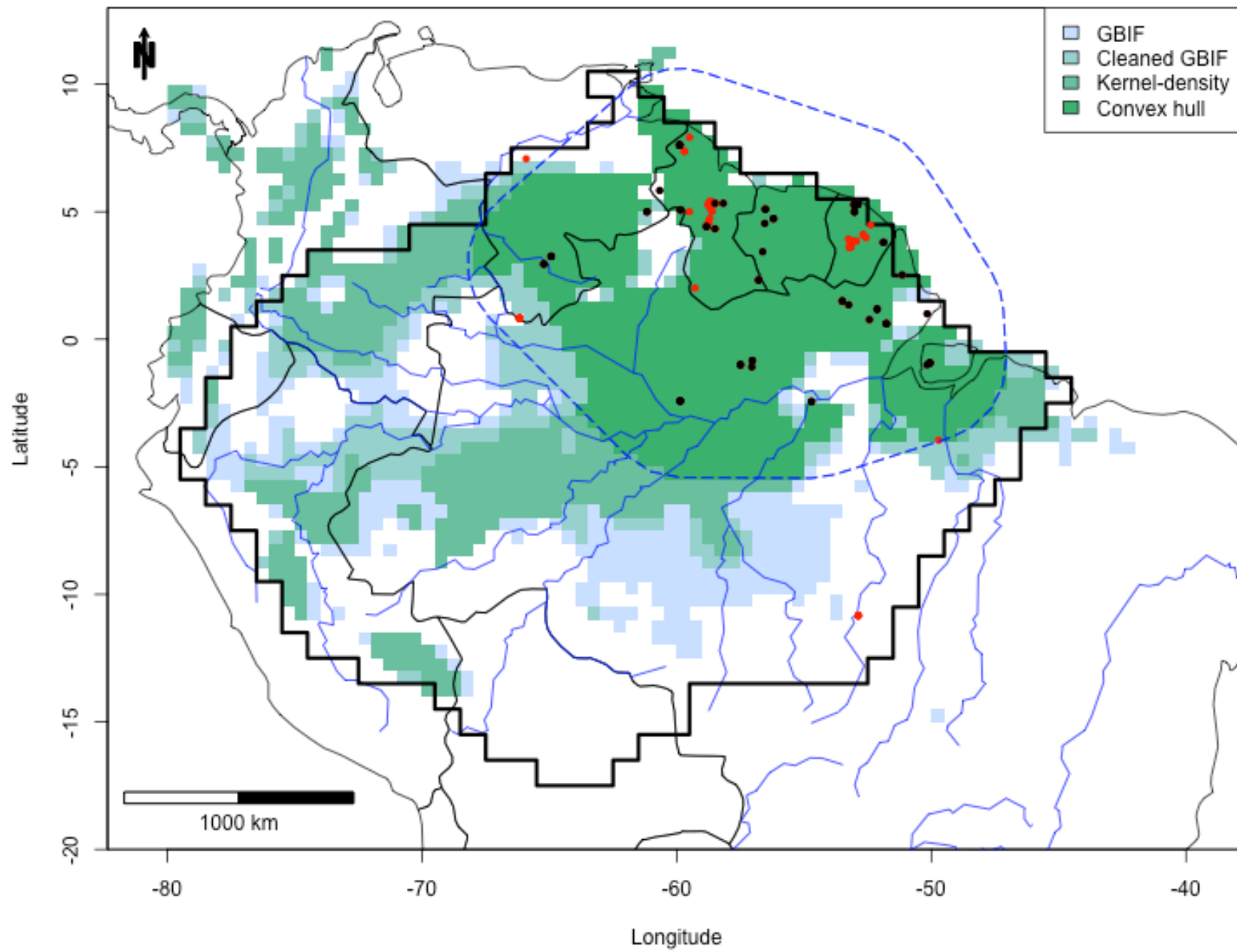
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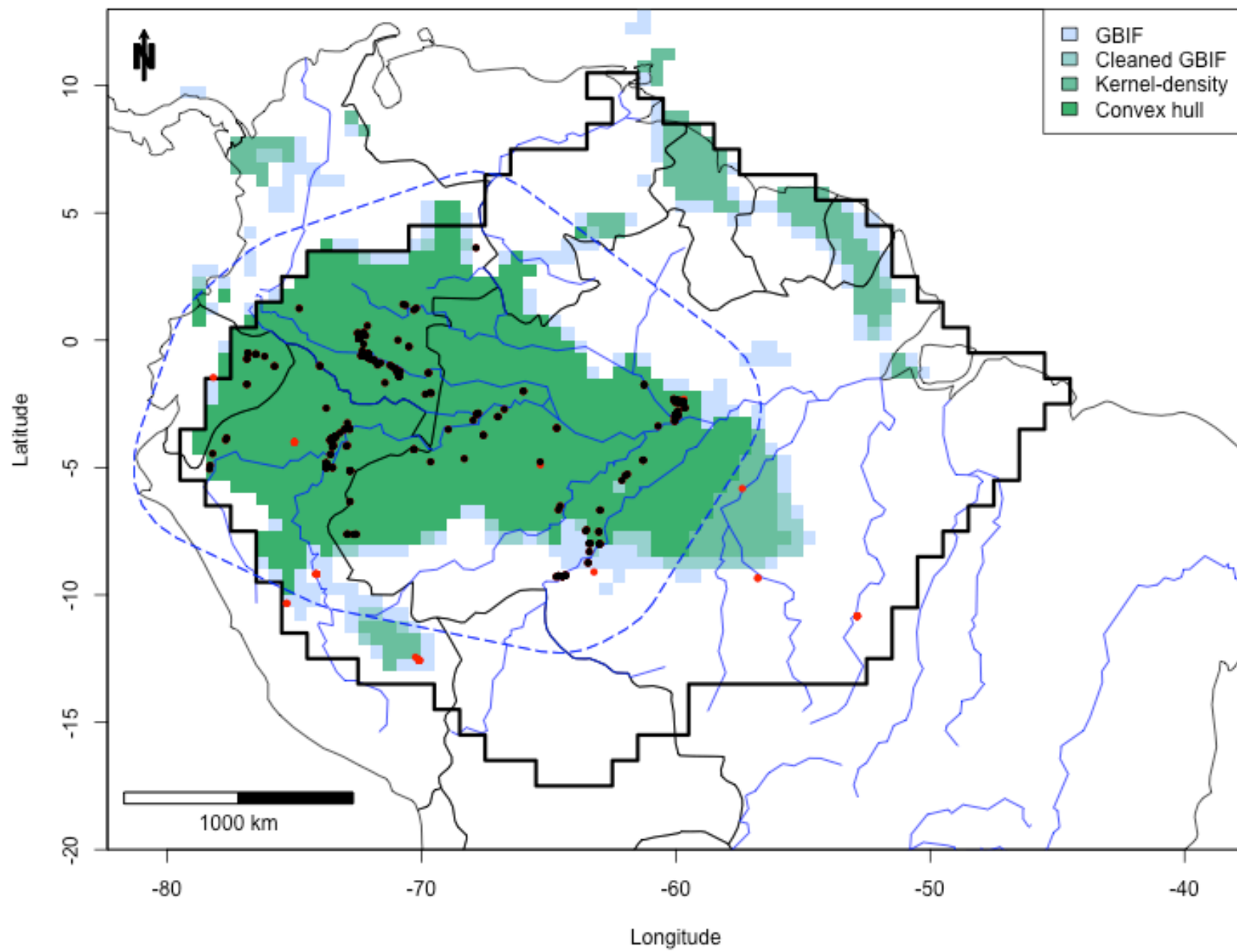
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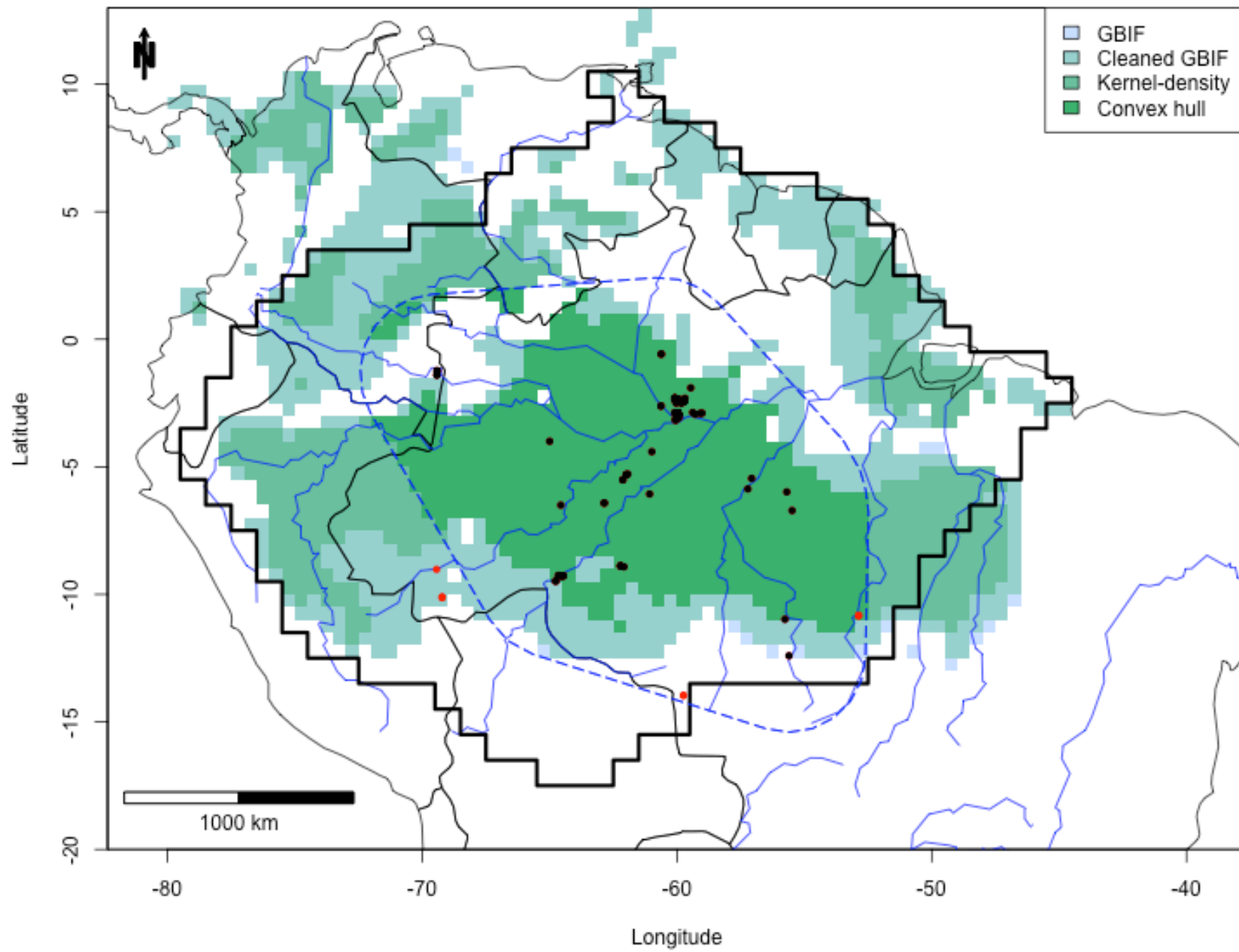
Eschweilera sagotiana



Eschweilera tessmannii



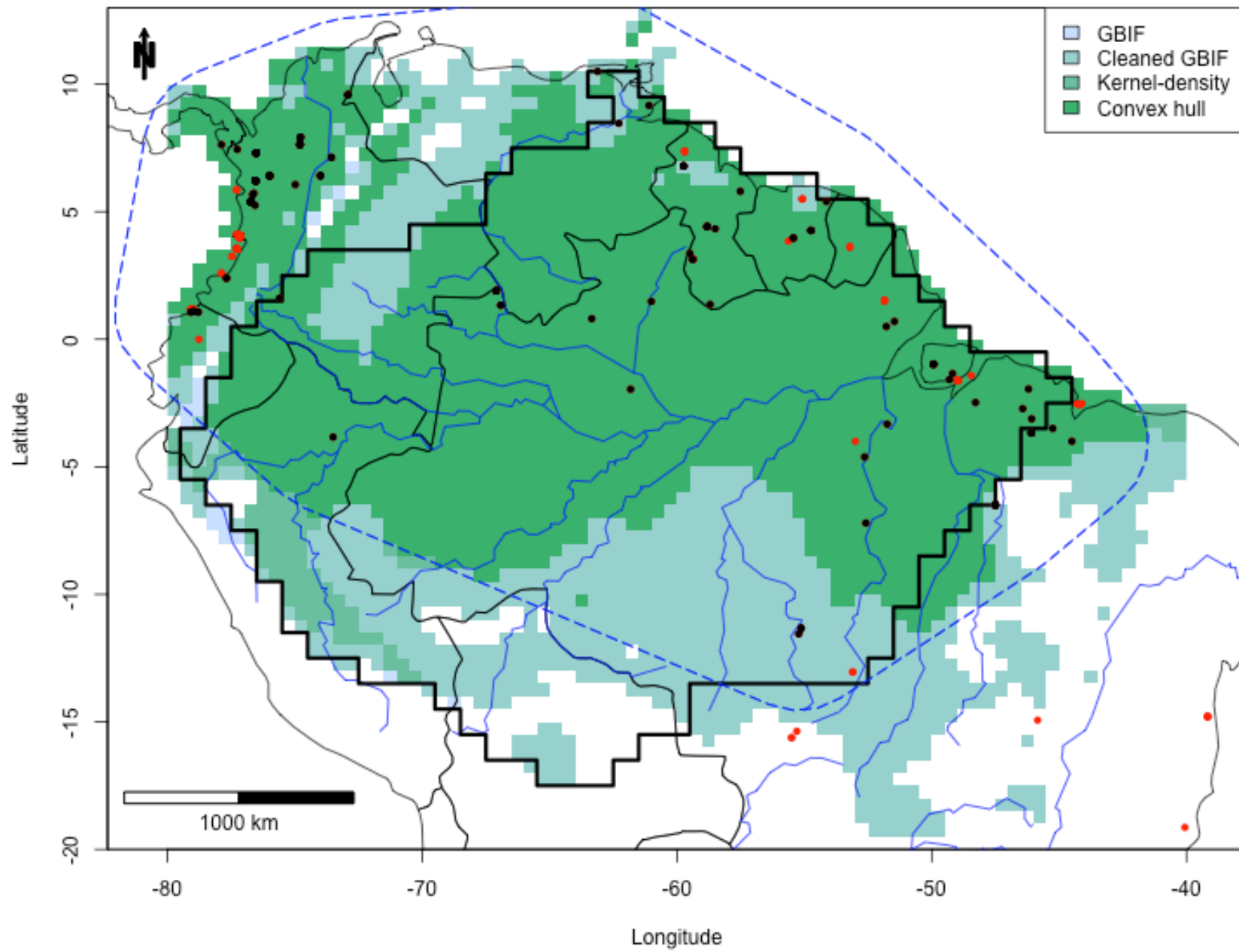
Eschweilera truncata



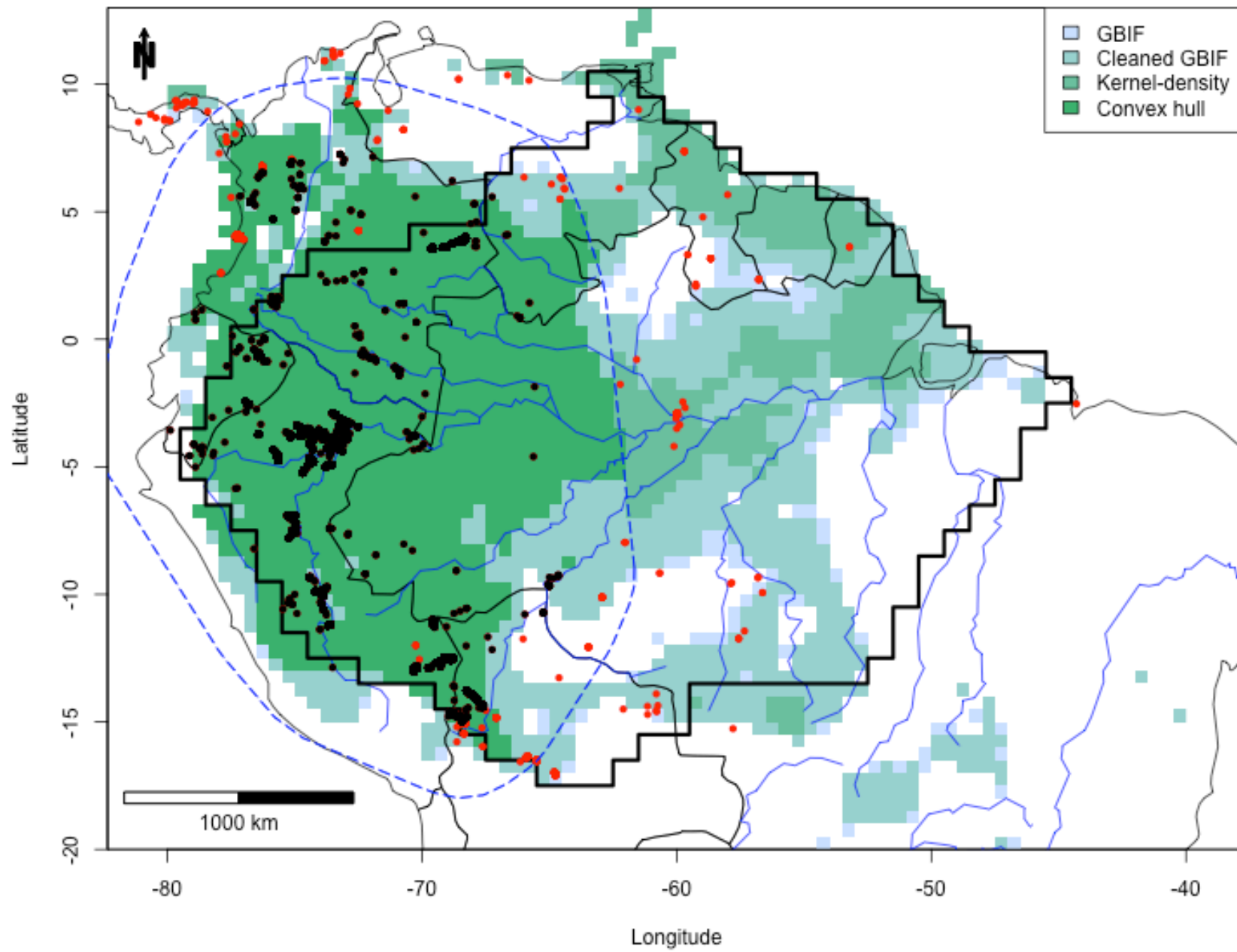
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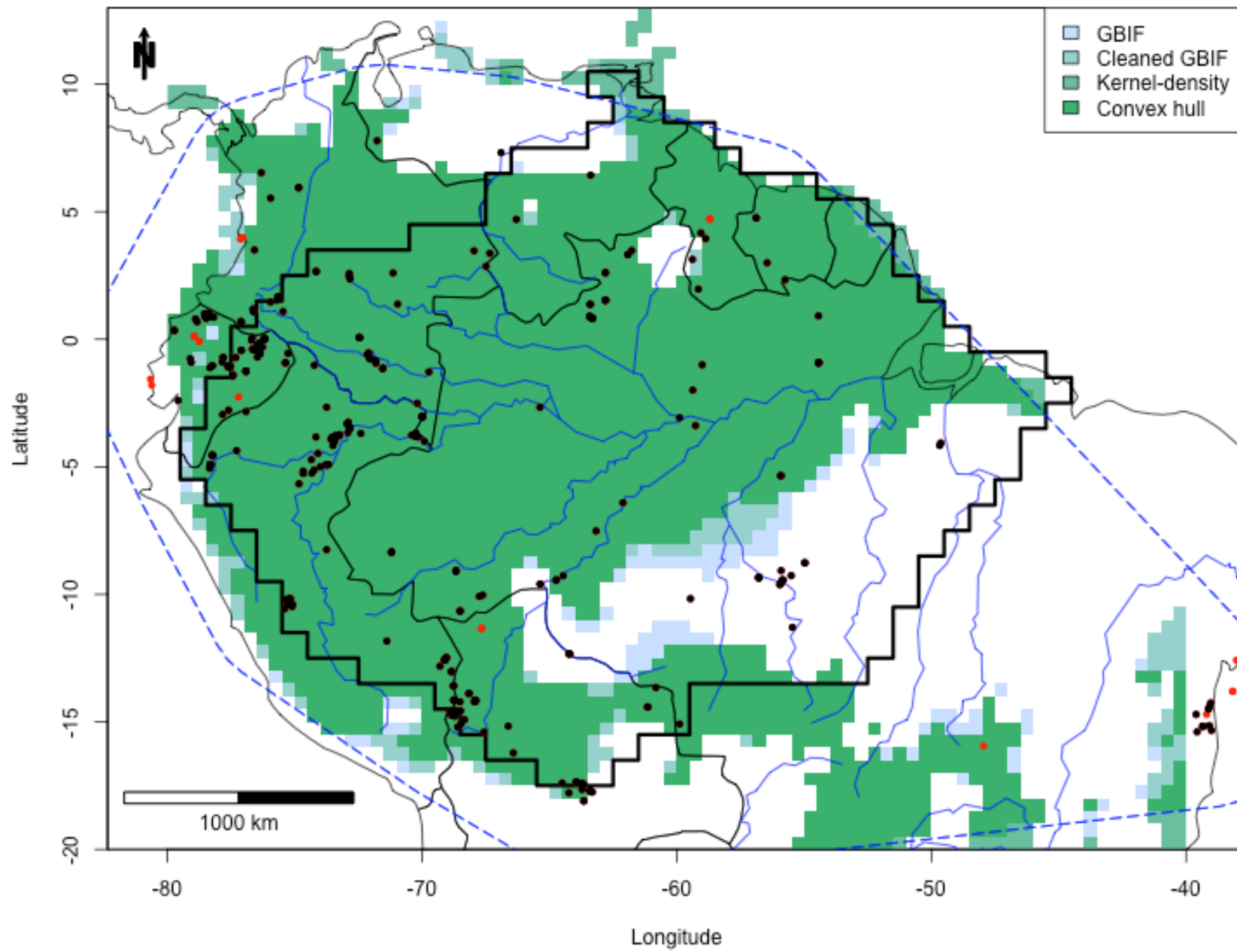
Euterpe oleracea



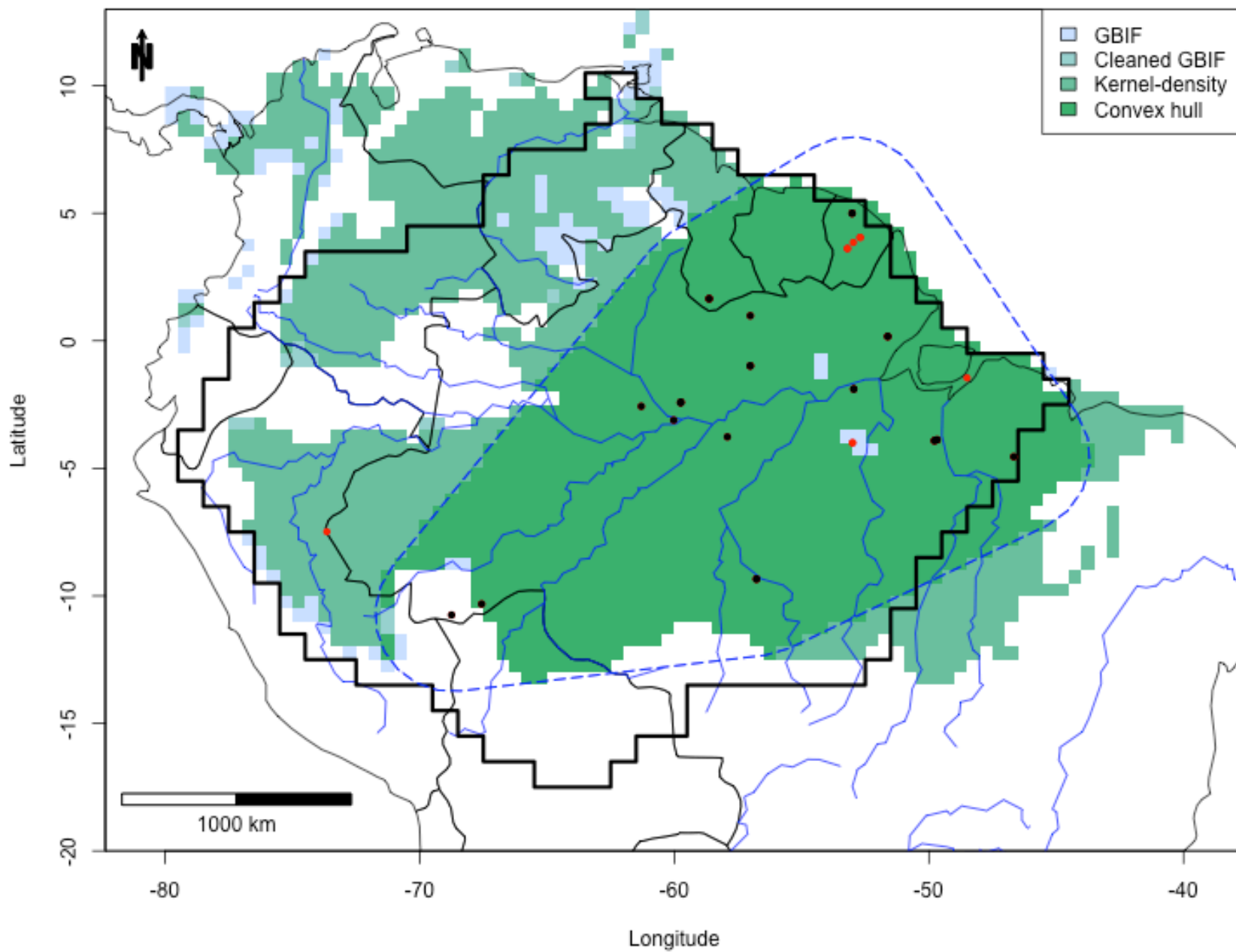
Euterpe precatoria



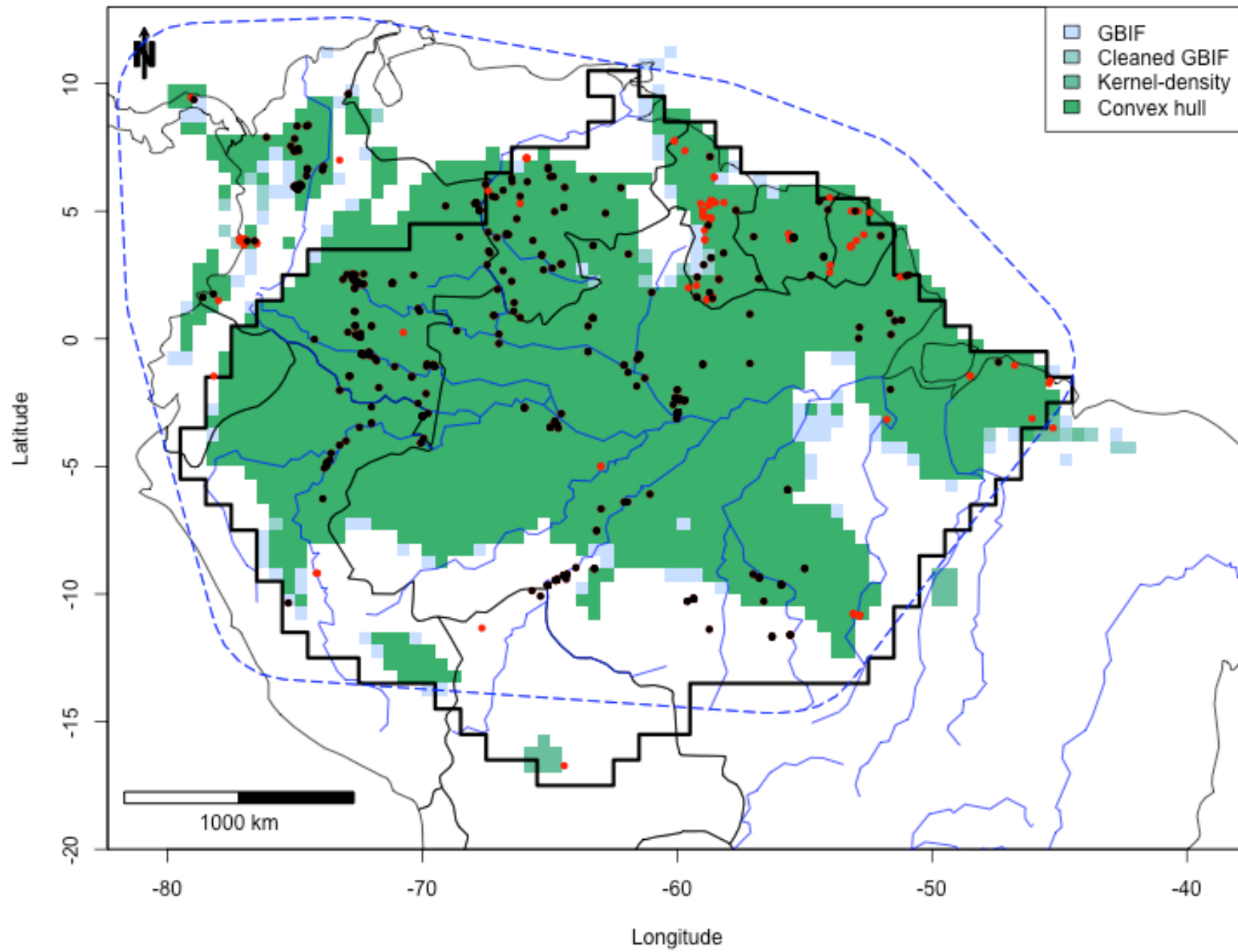
Garcinia macrophylla



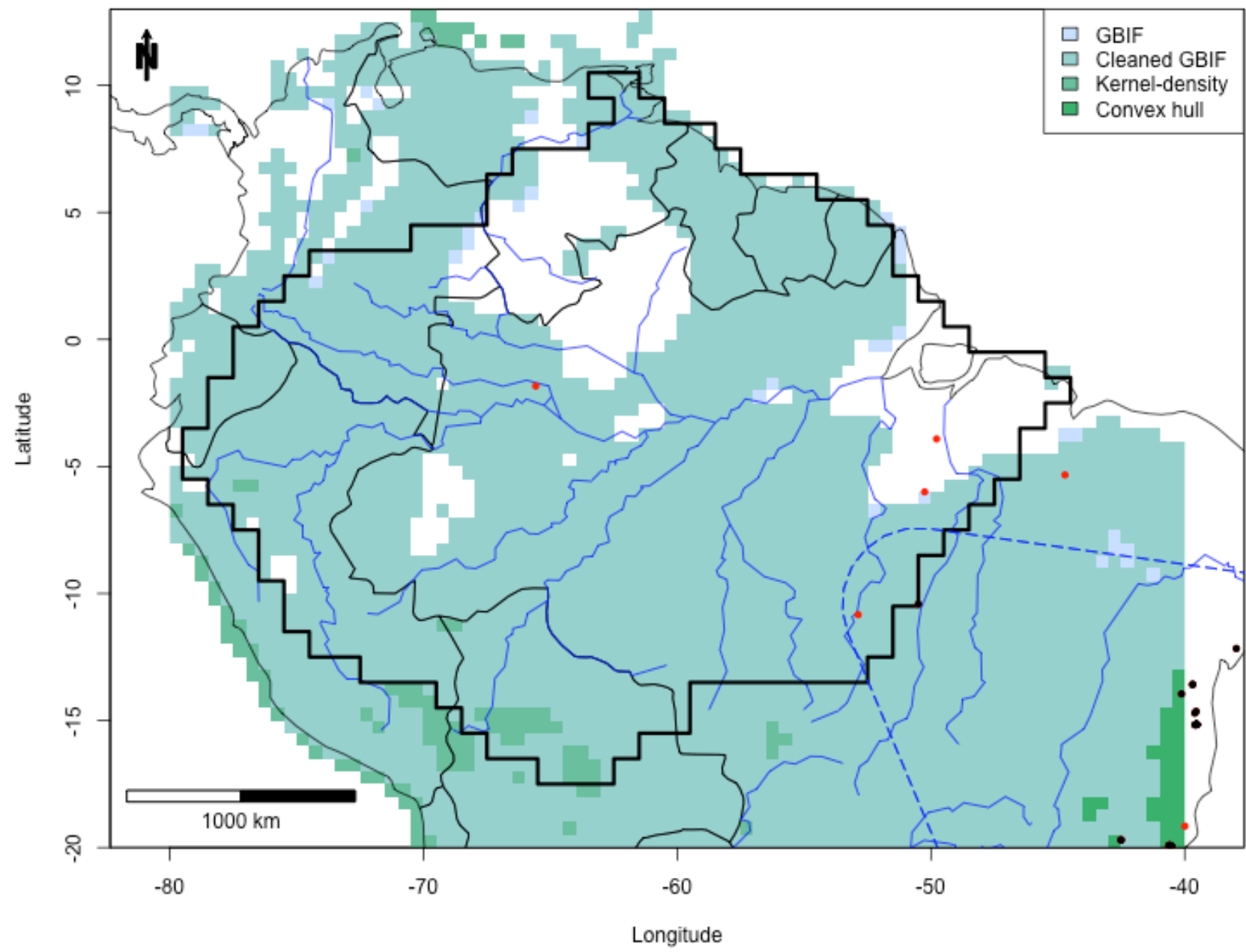
Geissospermum sericeum



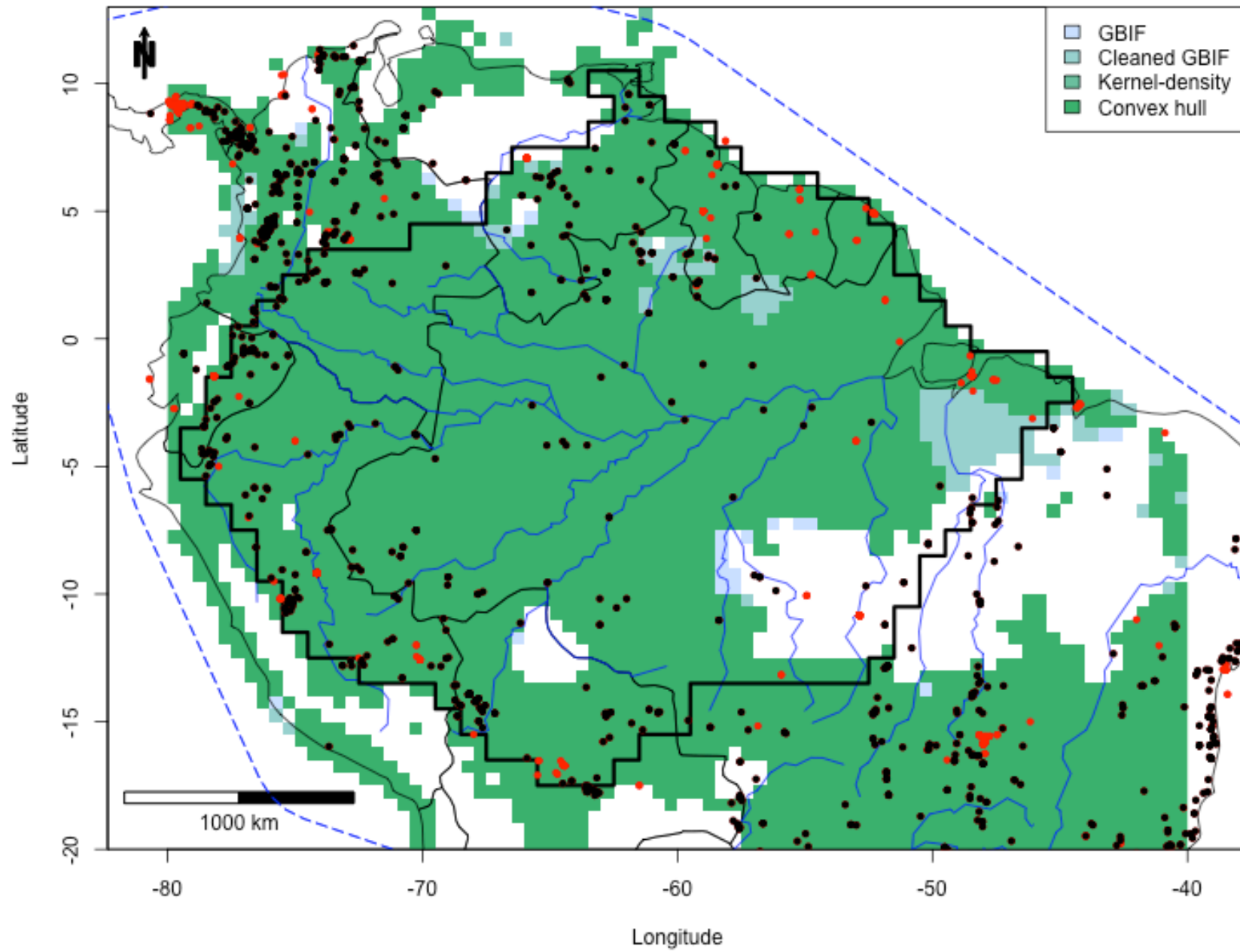
Goupia glabra



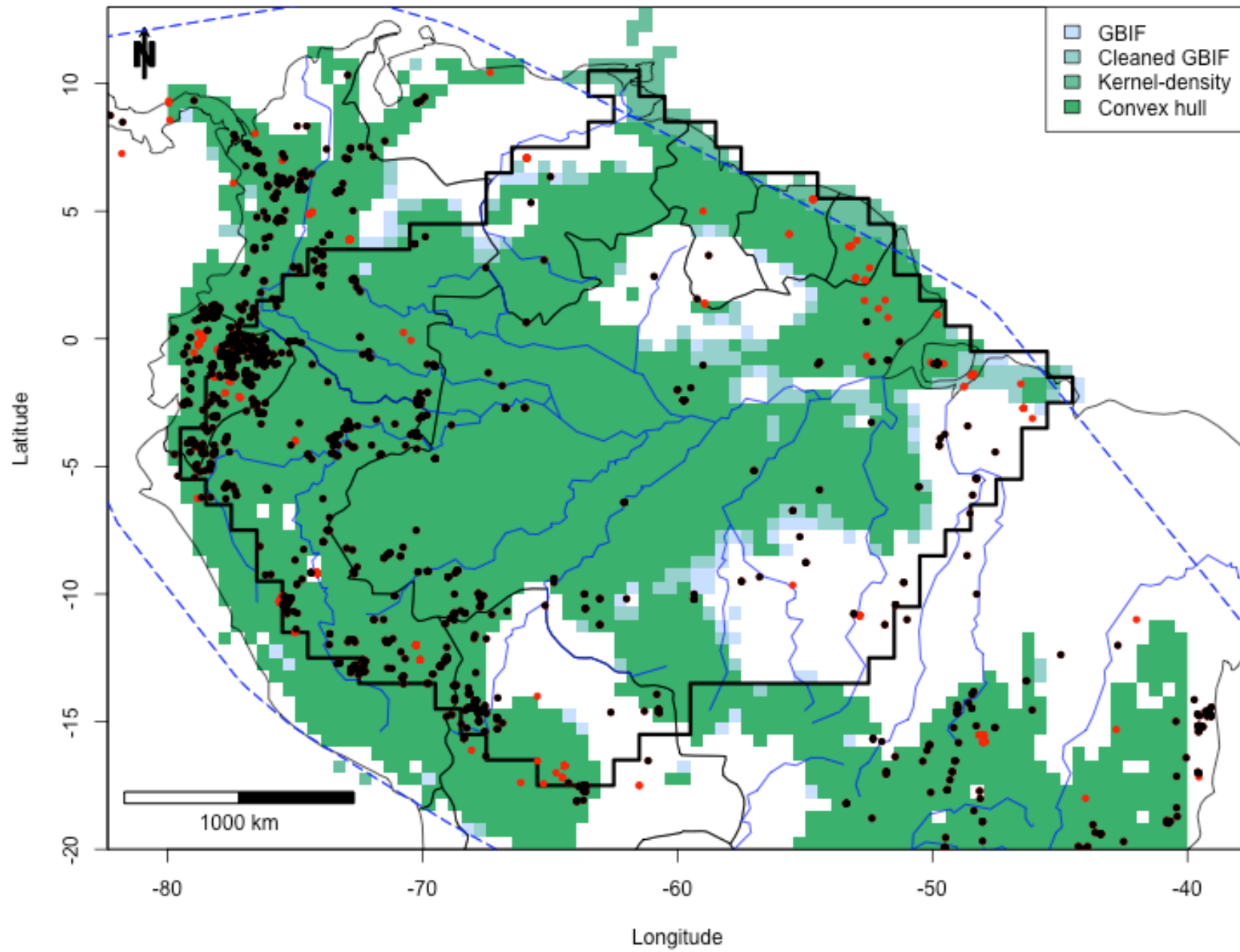
Guapira venosa



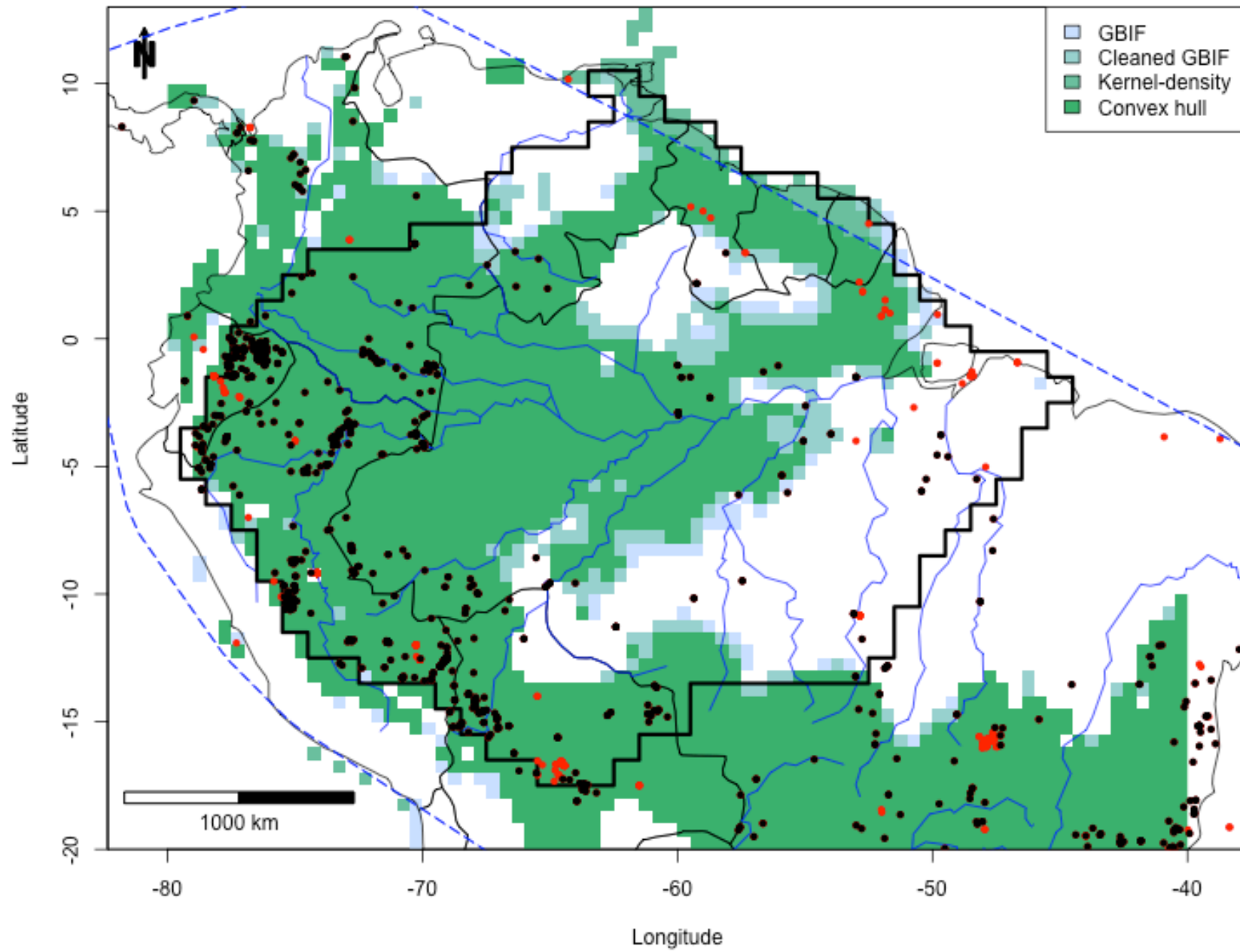
Guarea guidonia



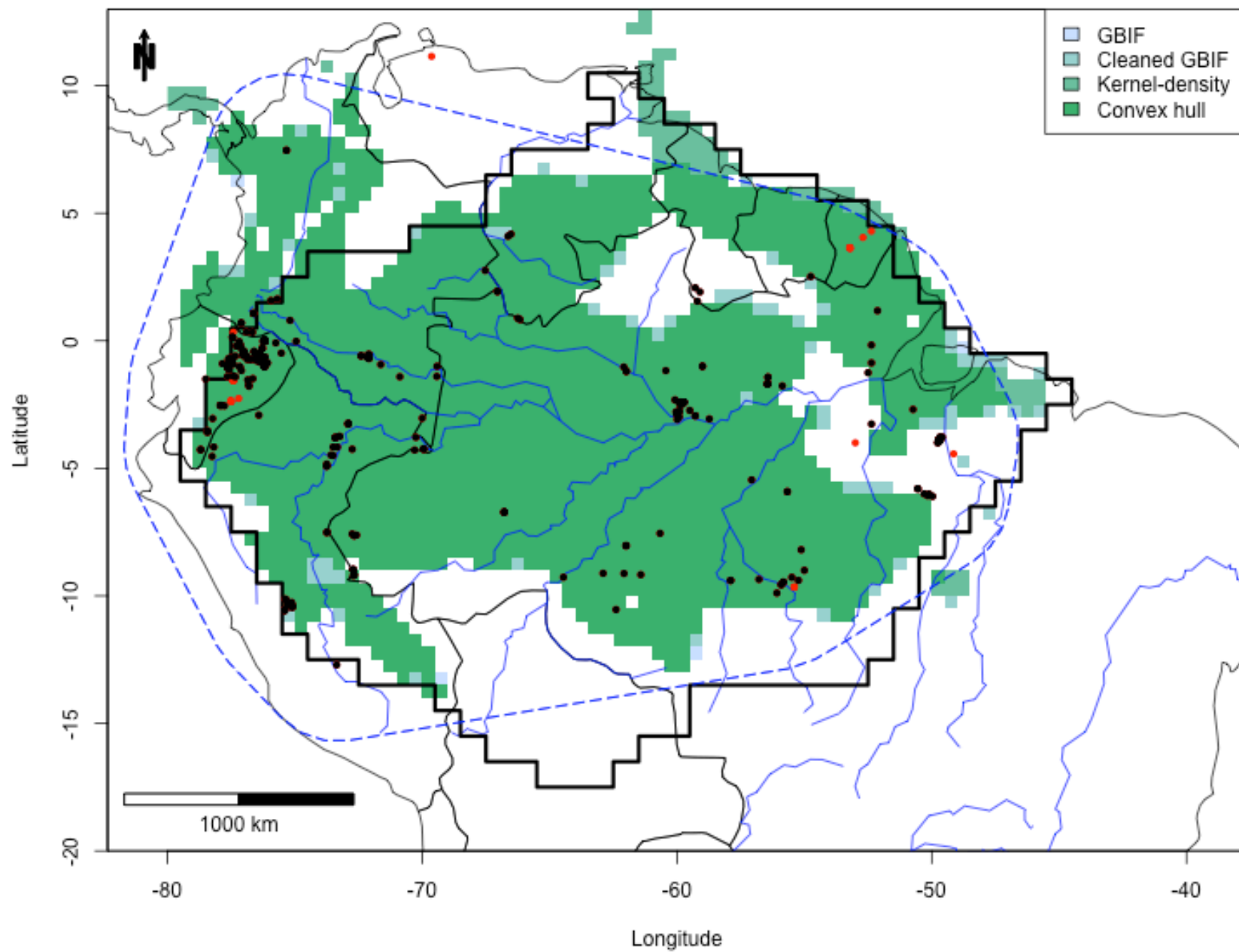
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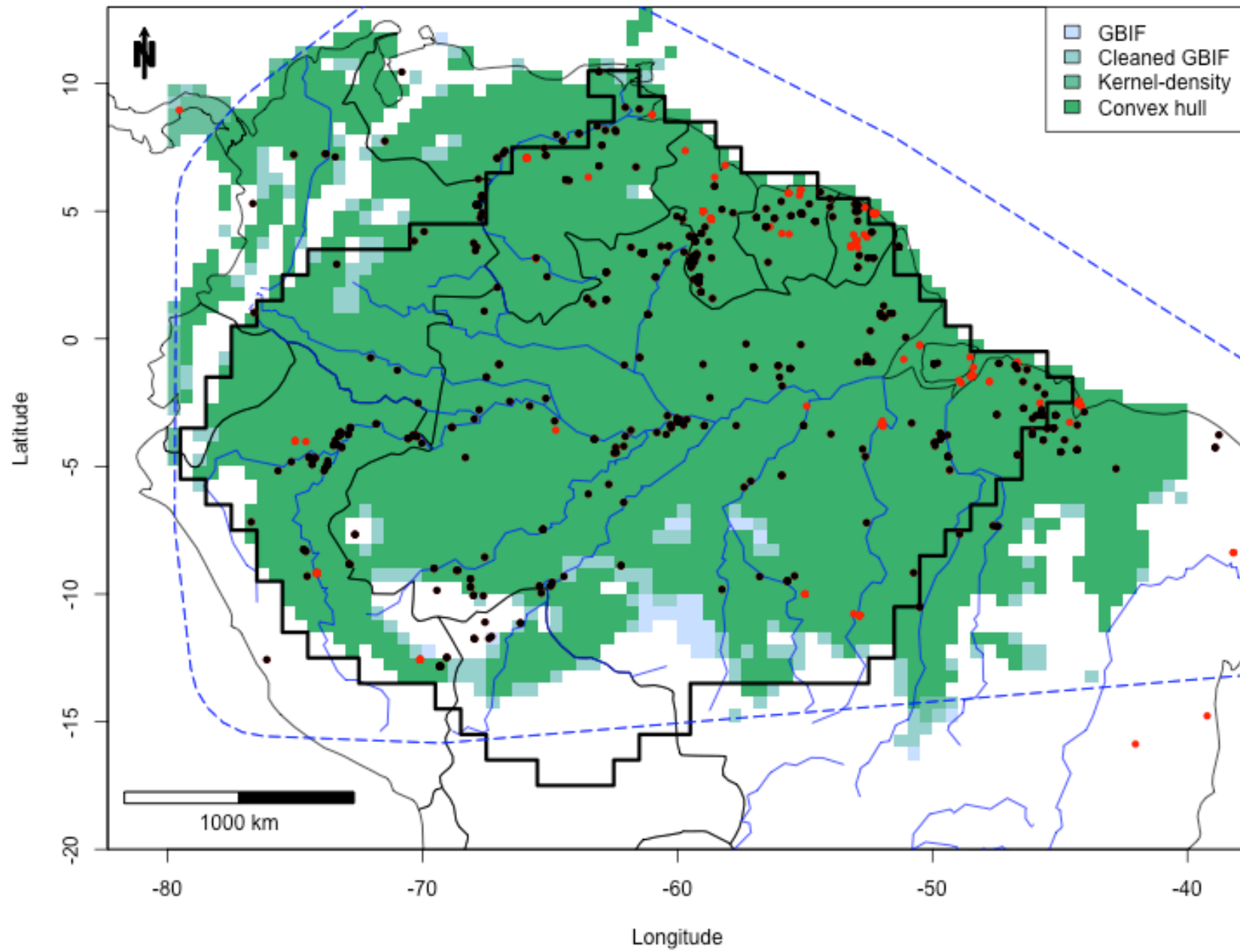
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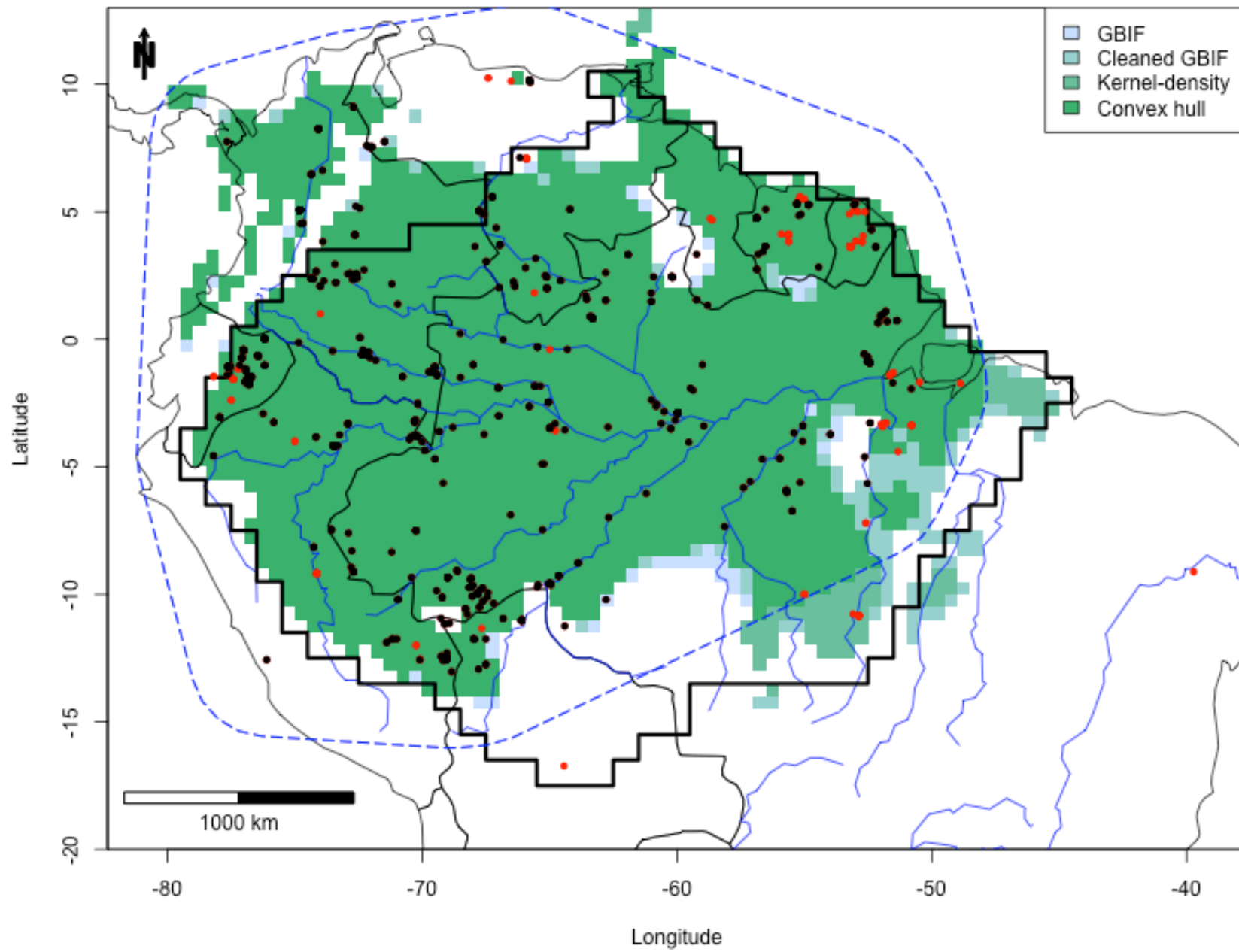
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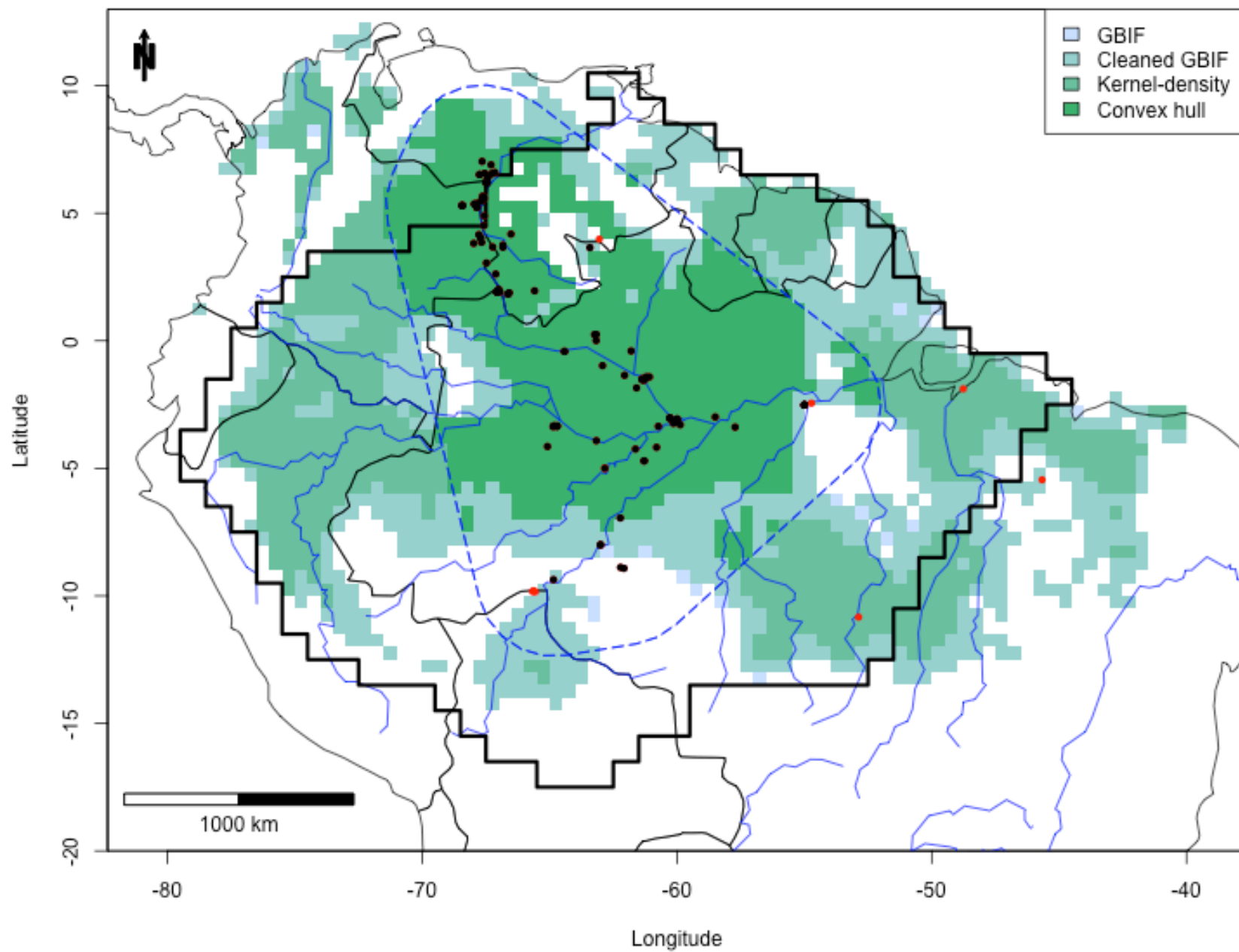
Gustavia augusta



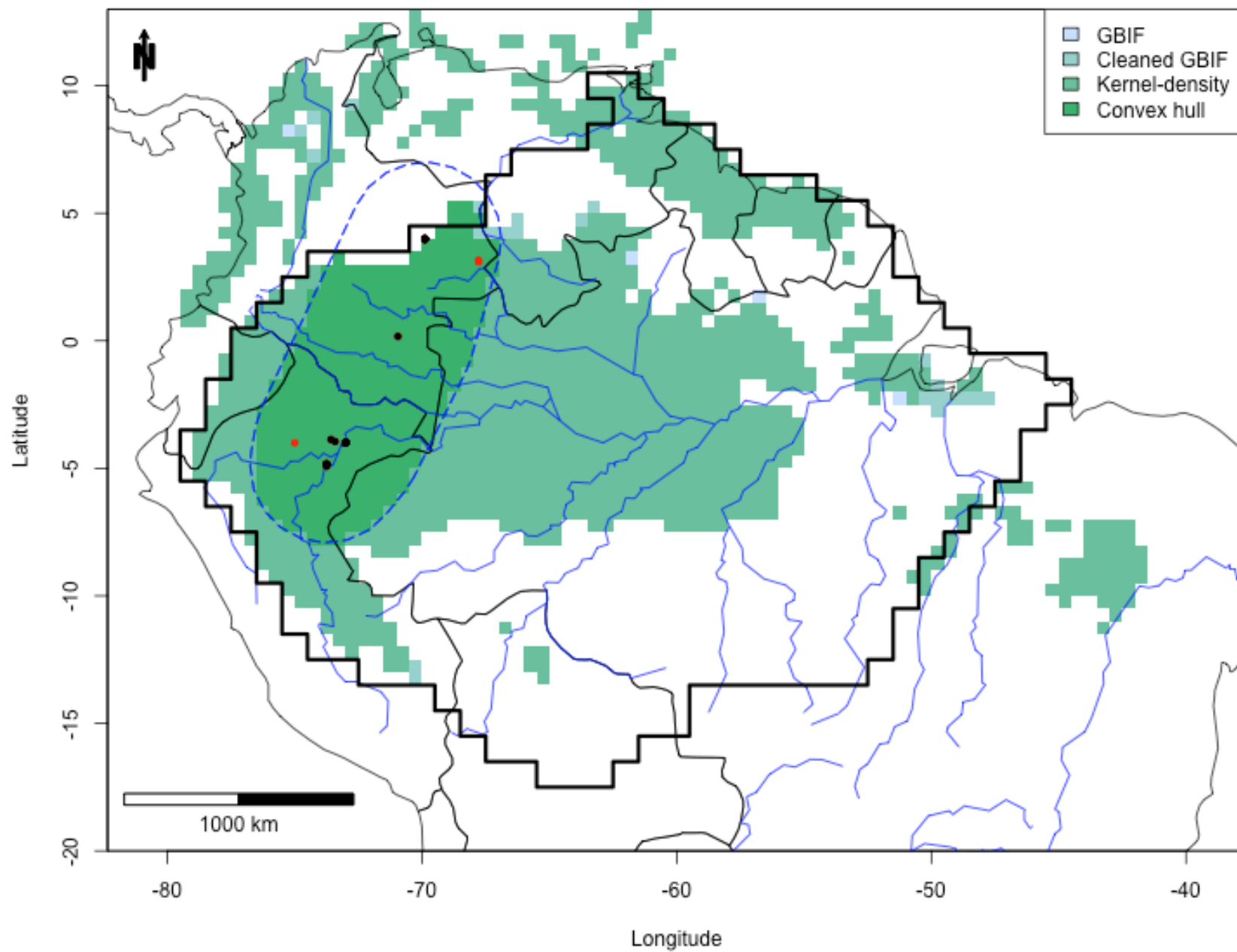
Gustavia hexapetala



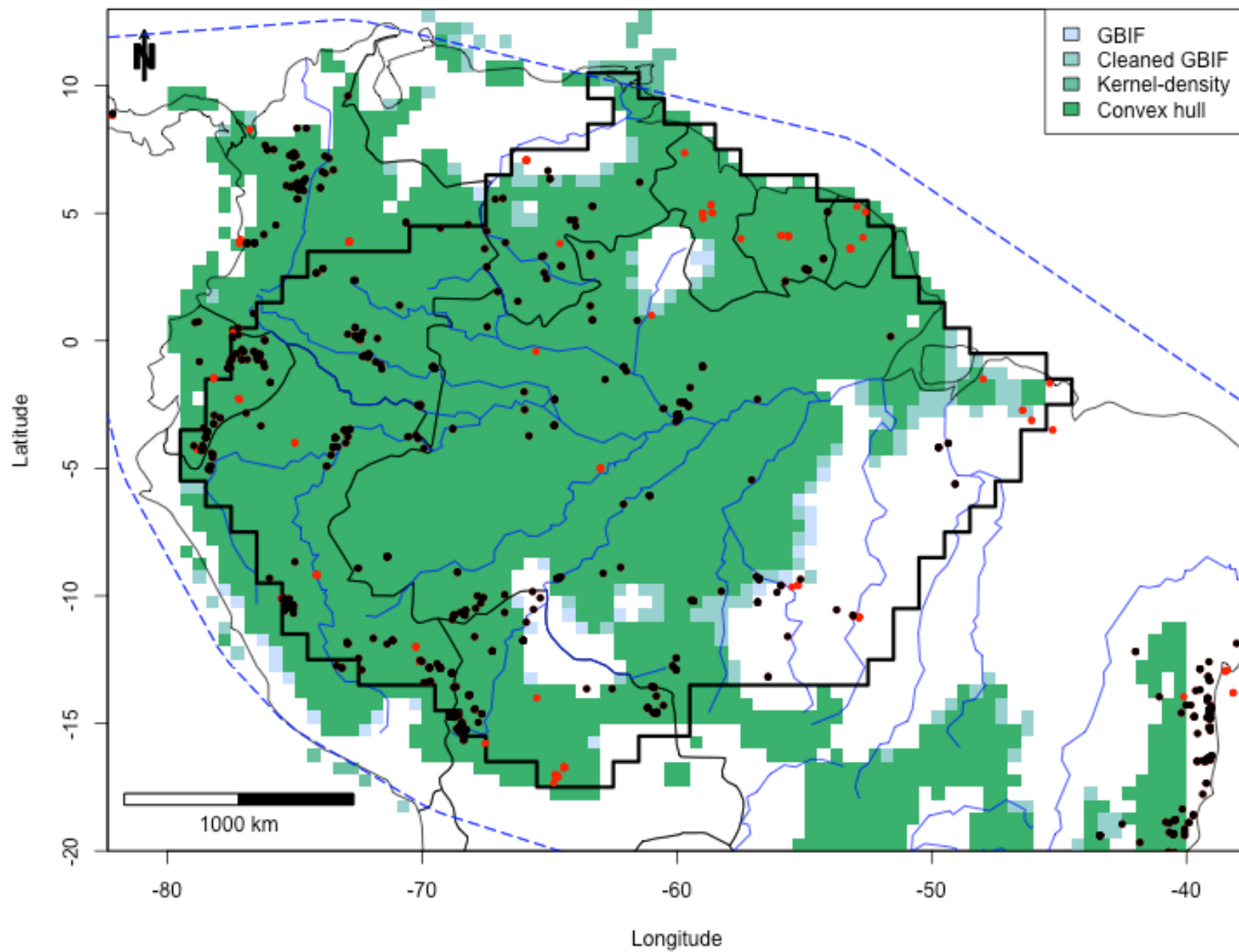
Handroanthus barbatus



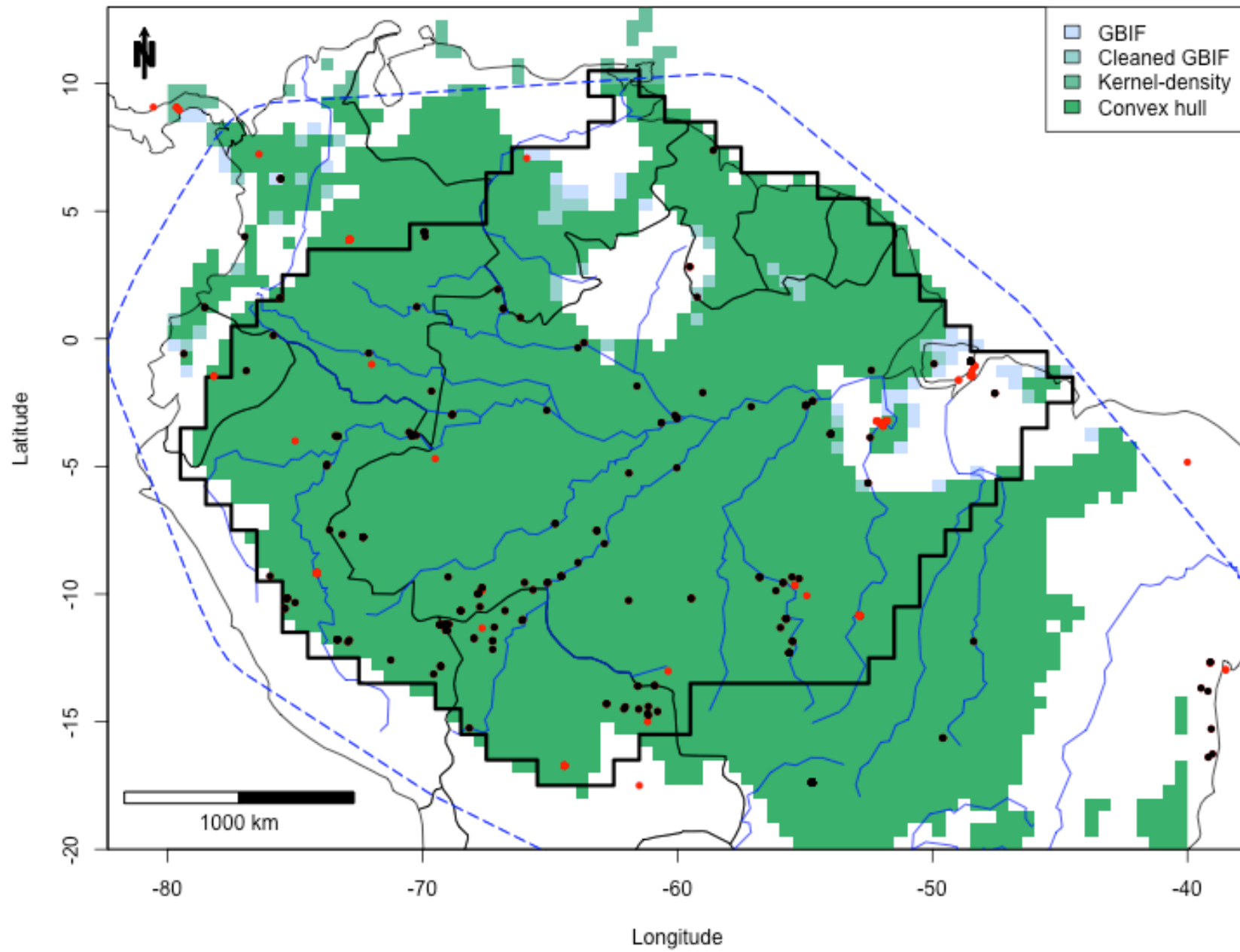
Haploclathra cordata



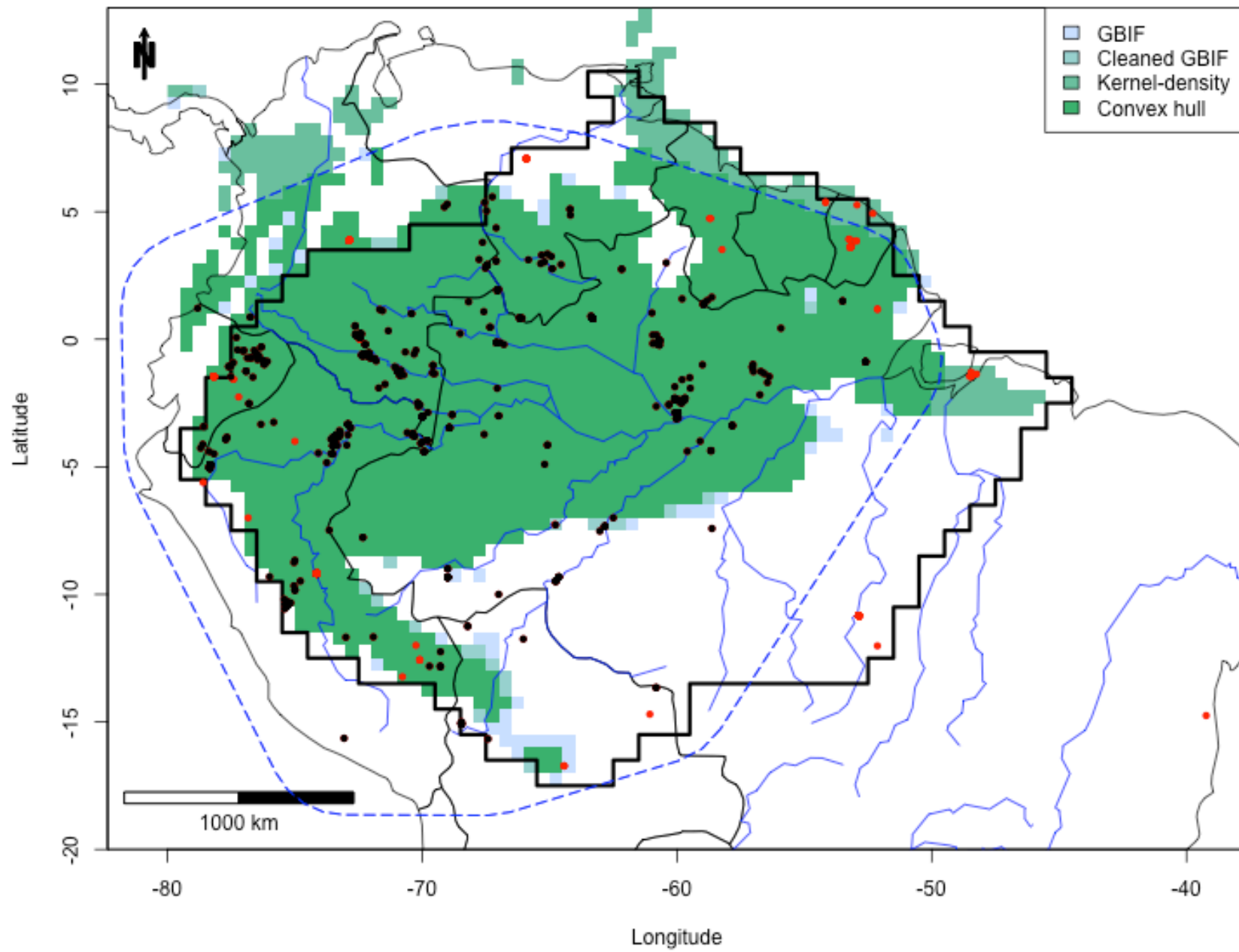
Helicostylis tomentosa



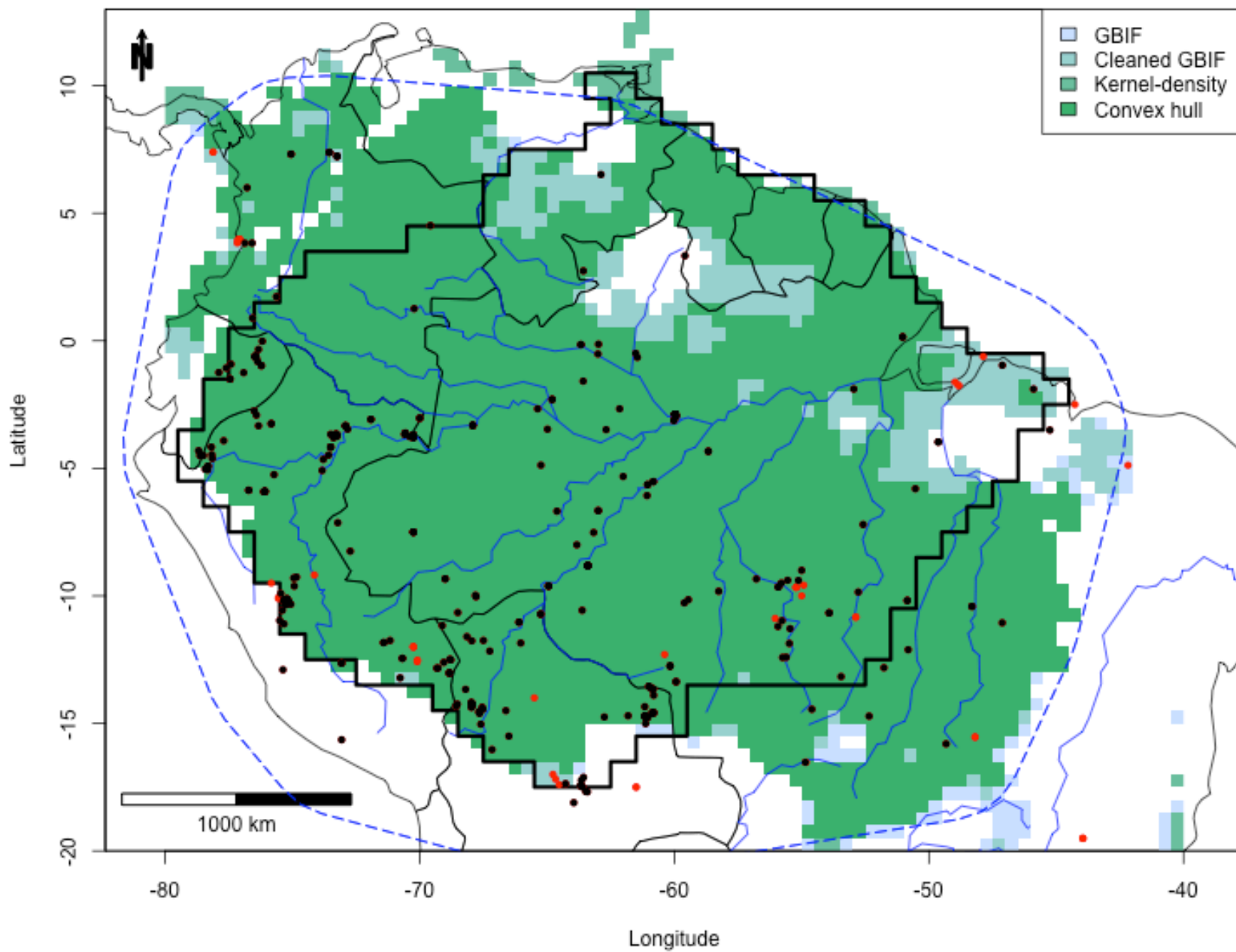
Hevea brasiliensis



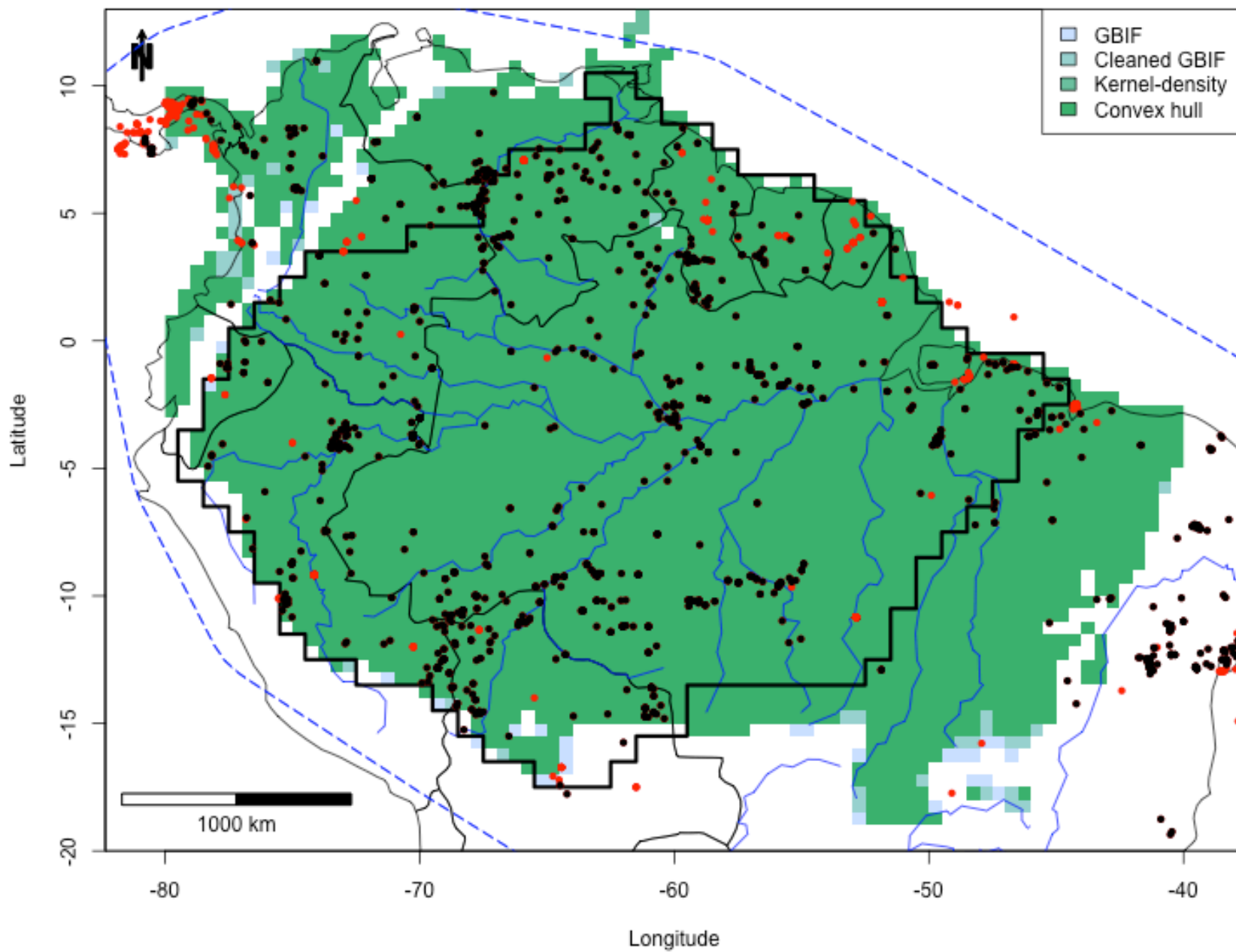
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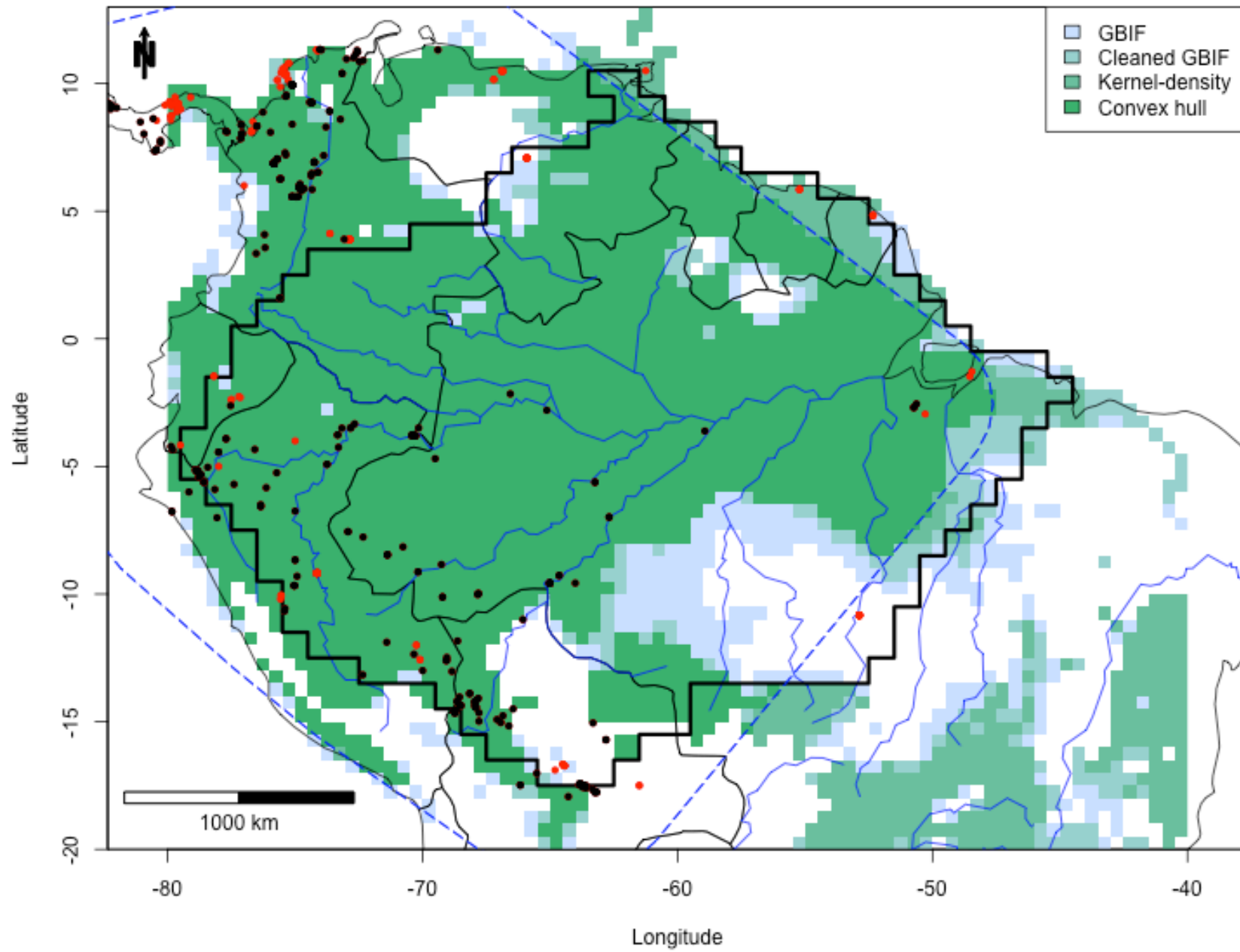
Himatanthus sucuuba



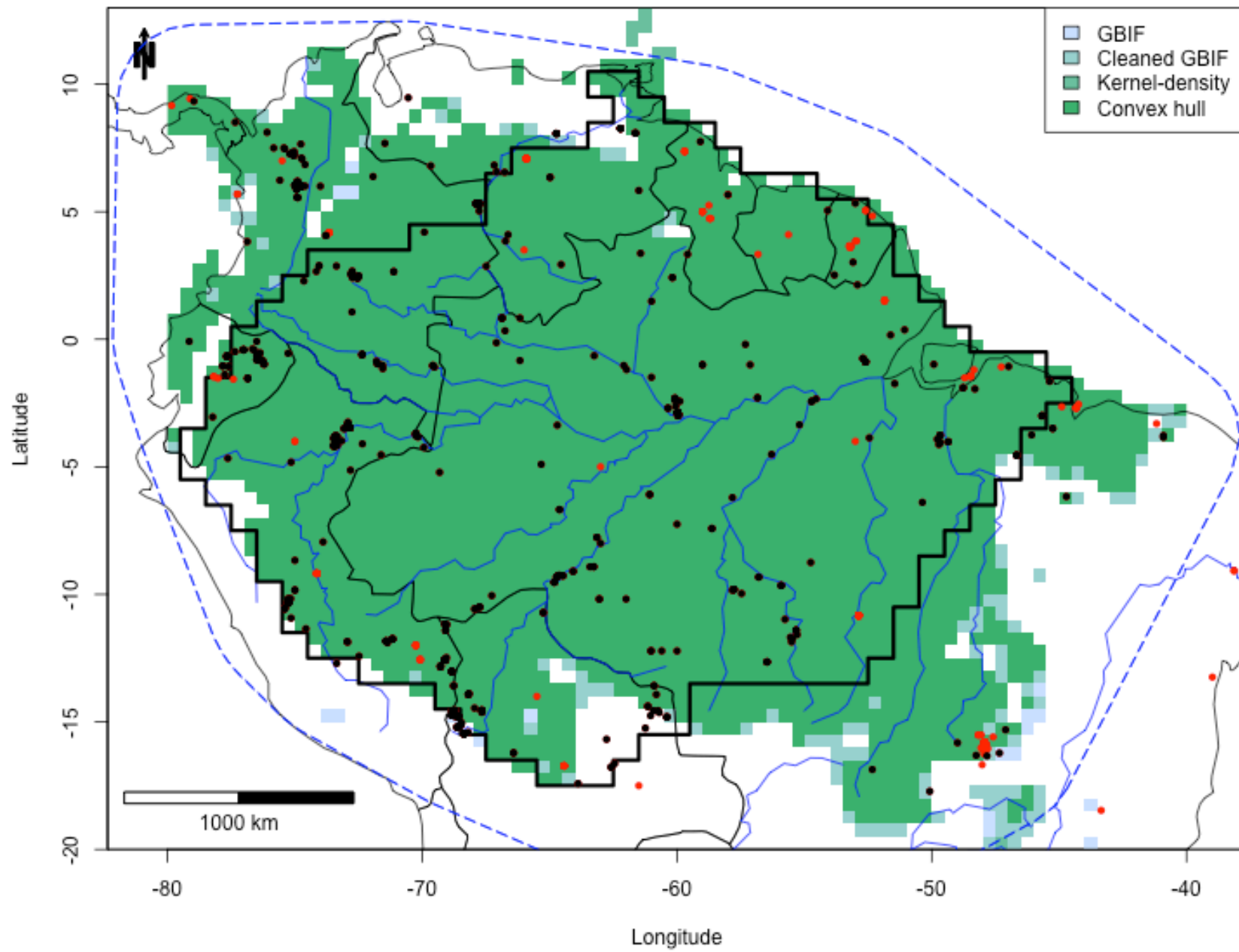
Hirtella racemosa



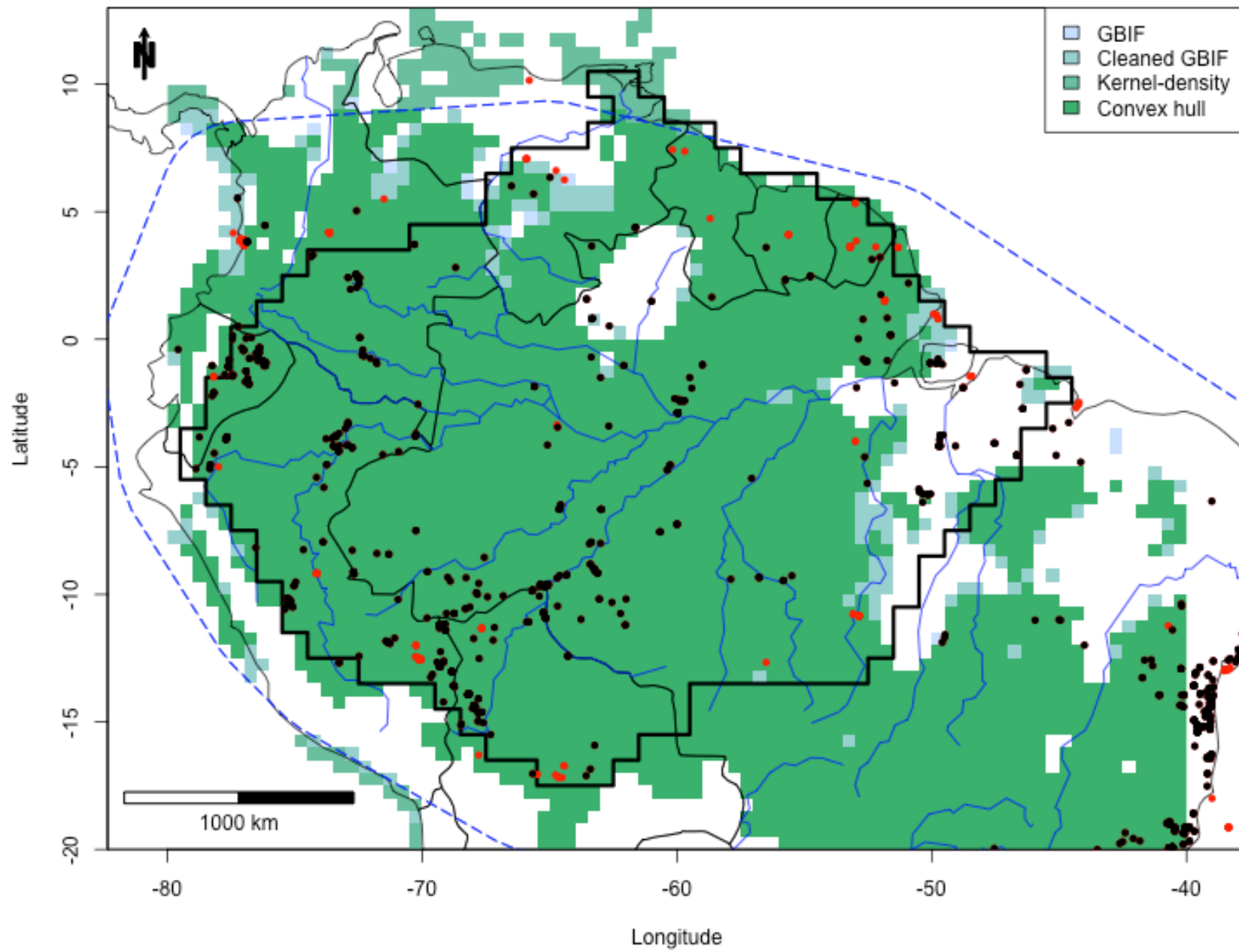
Hura crepitans



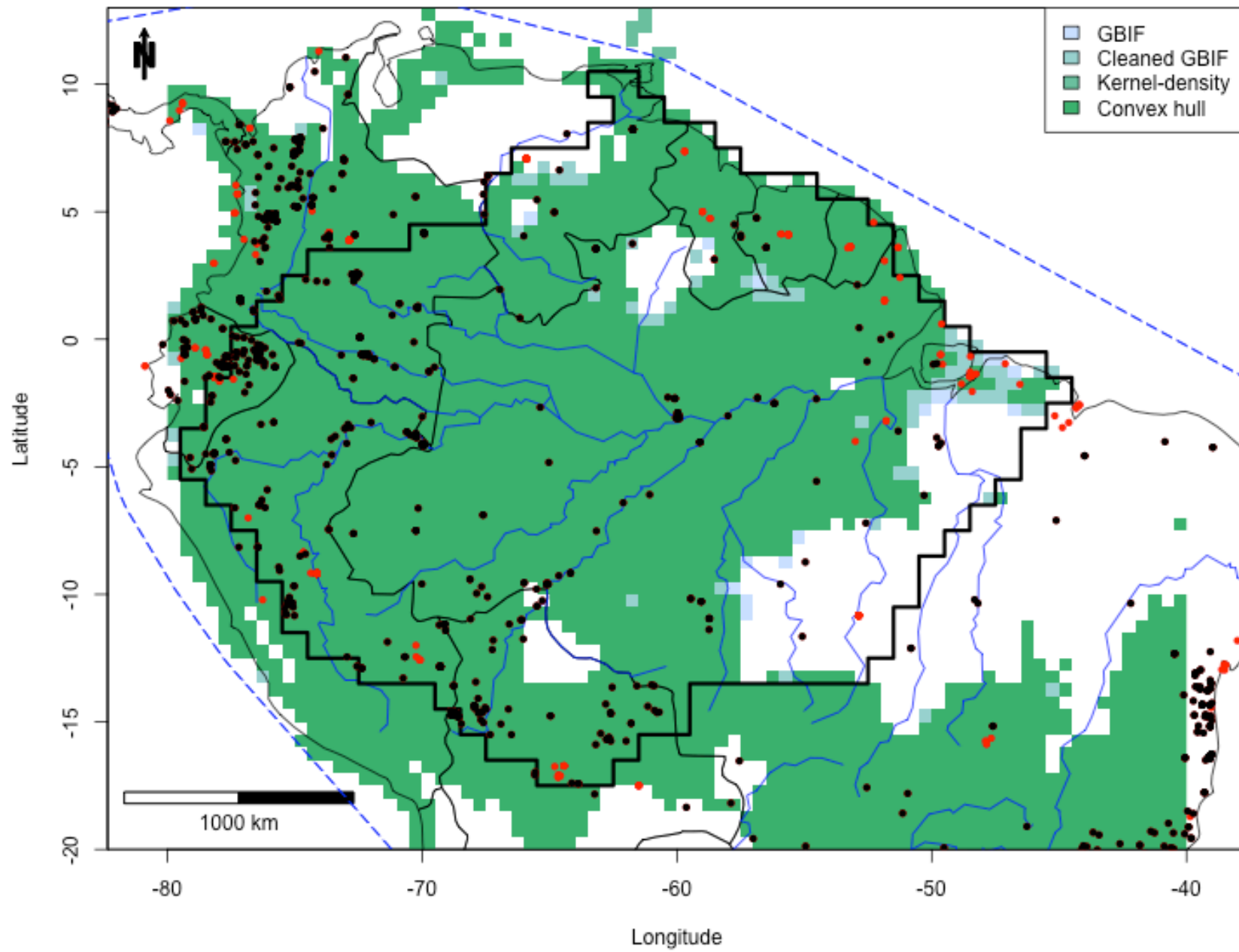
Inga alba



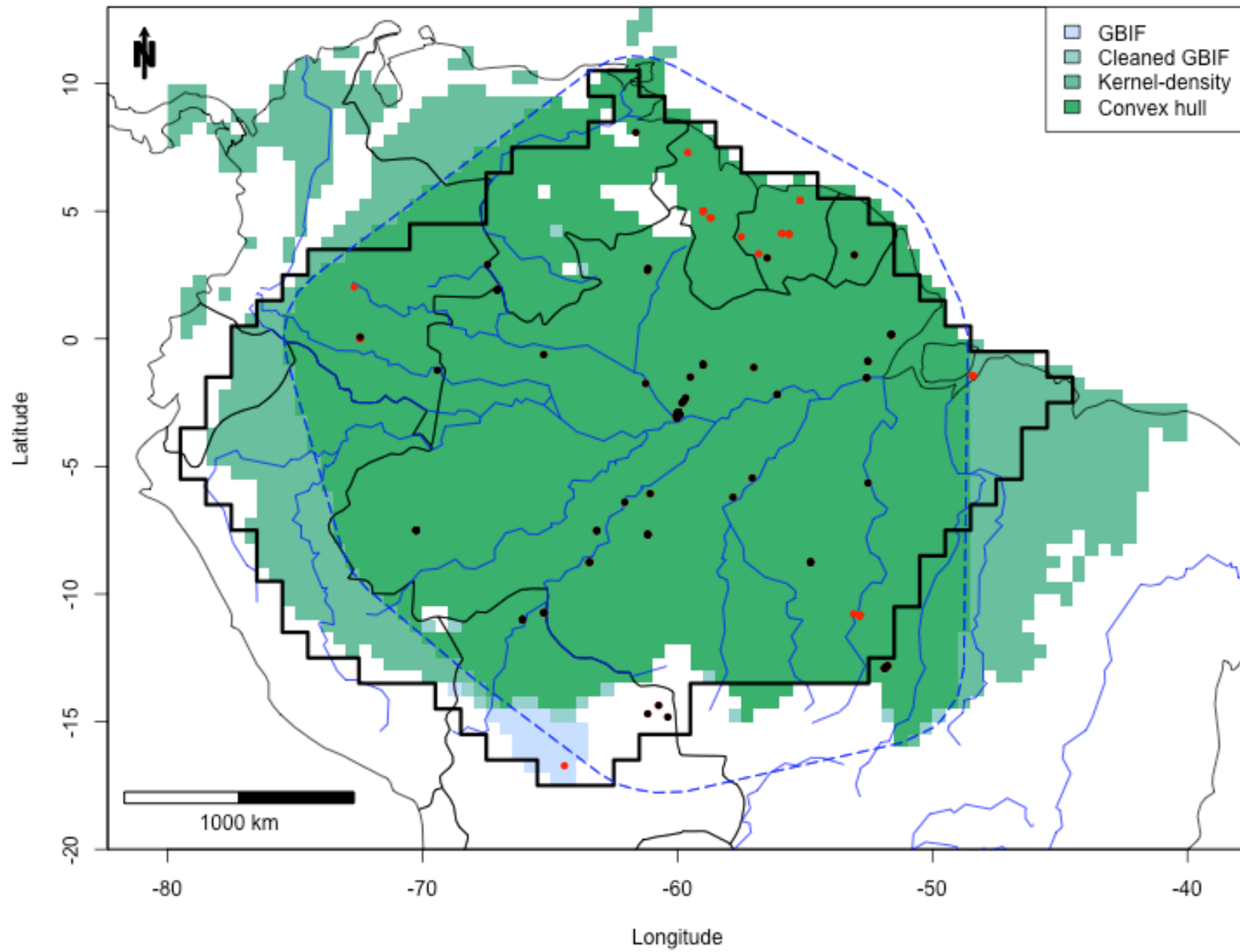
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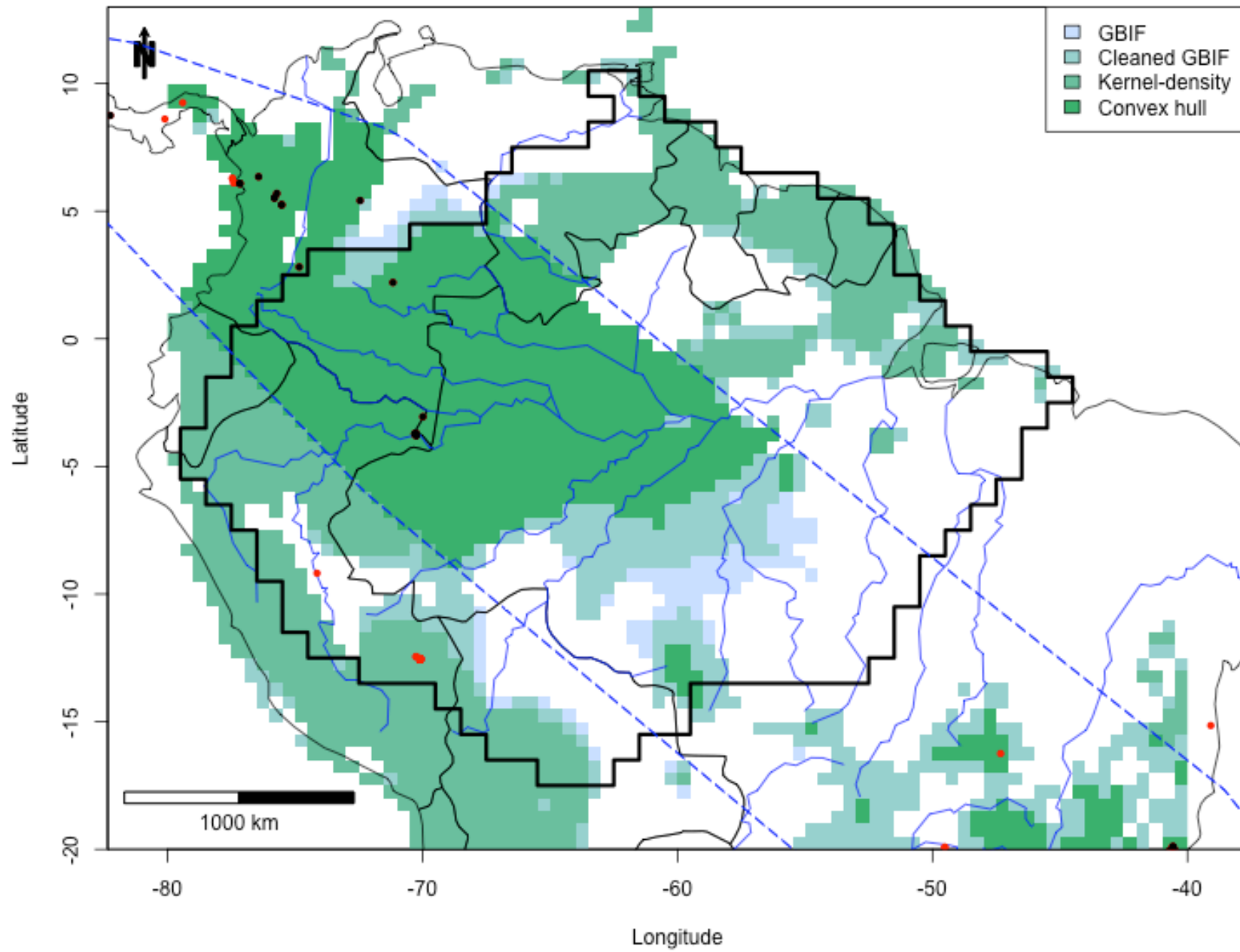
Inga edulis



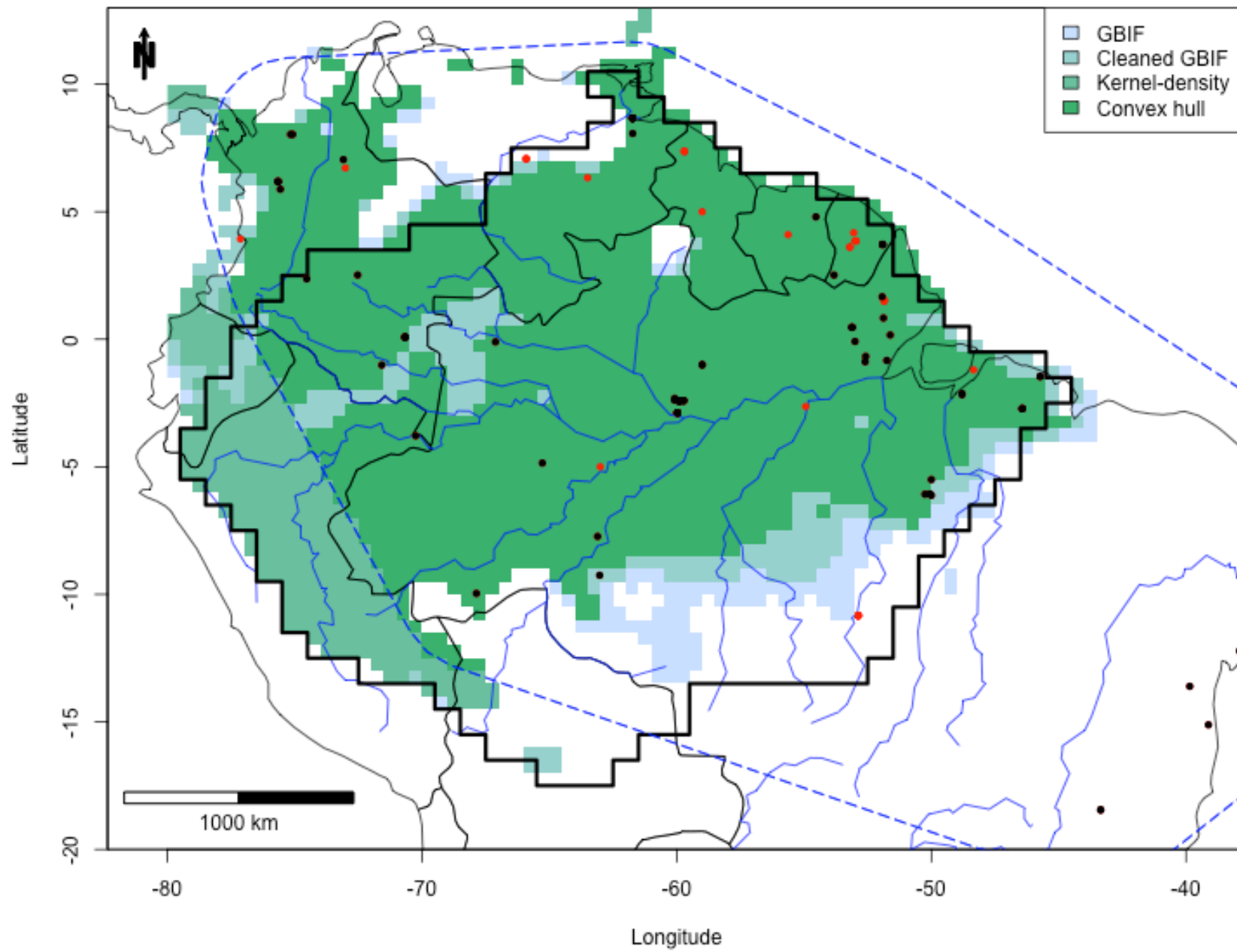
Inga lateriflora



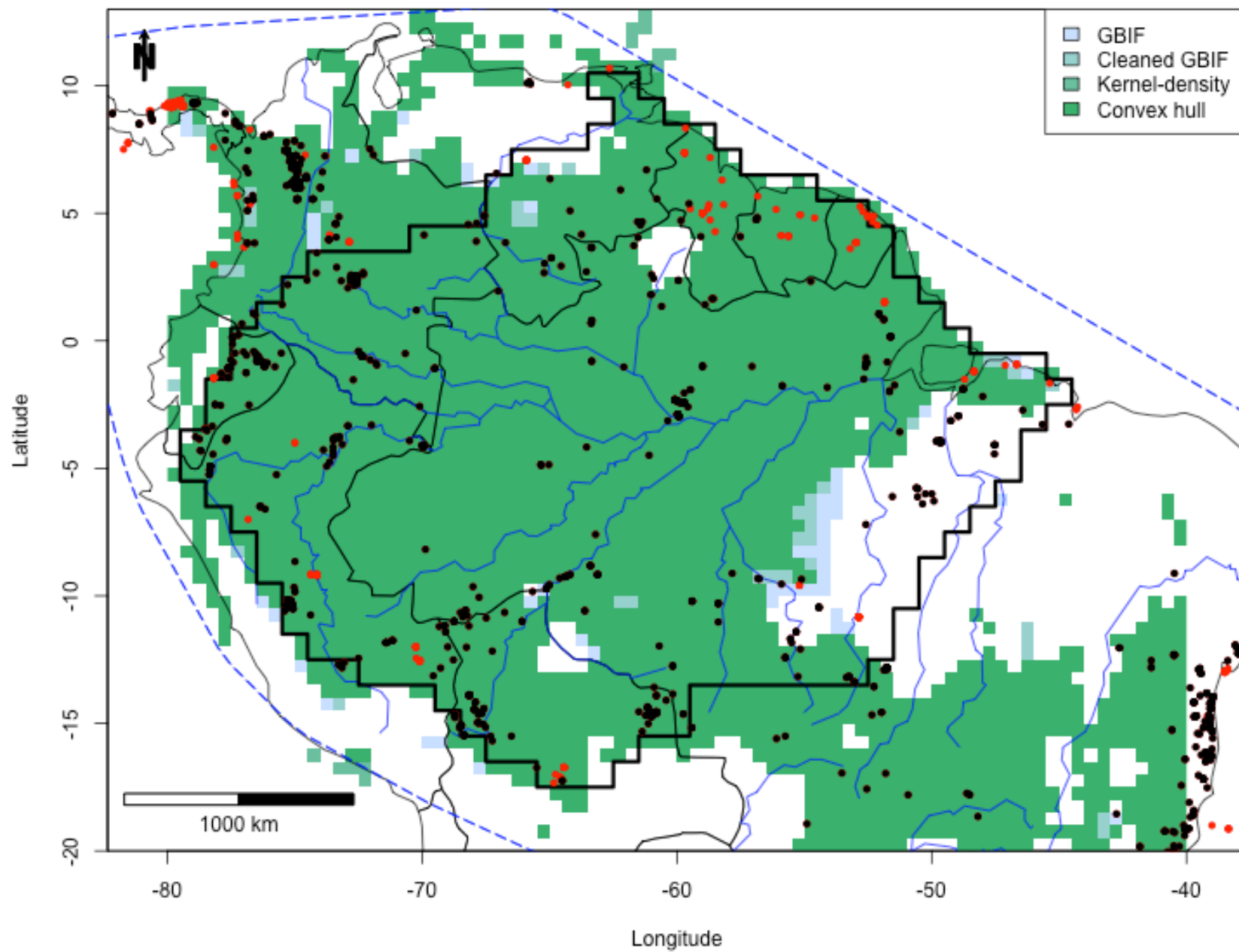
Inga marginata



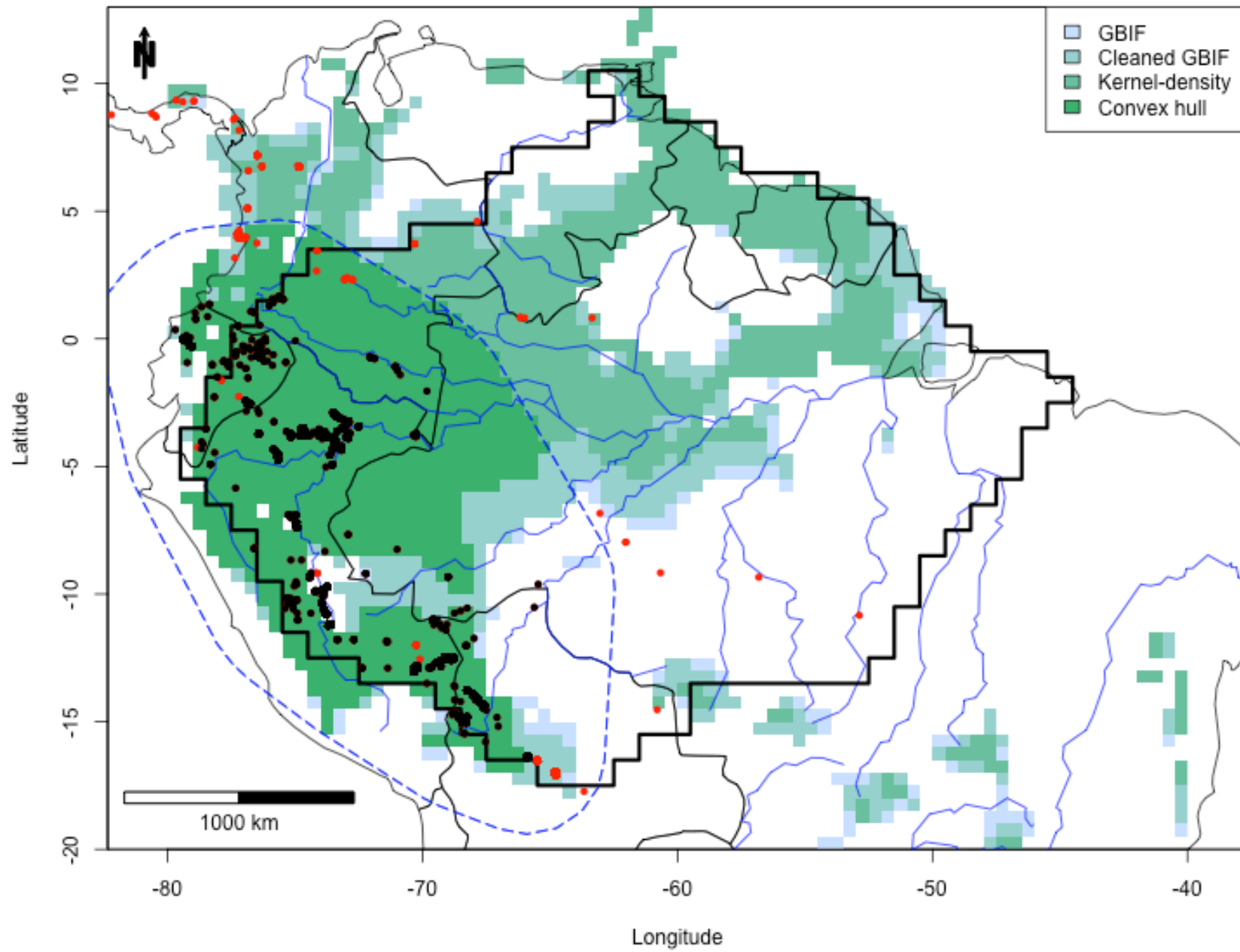
Inga rubiginosa



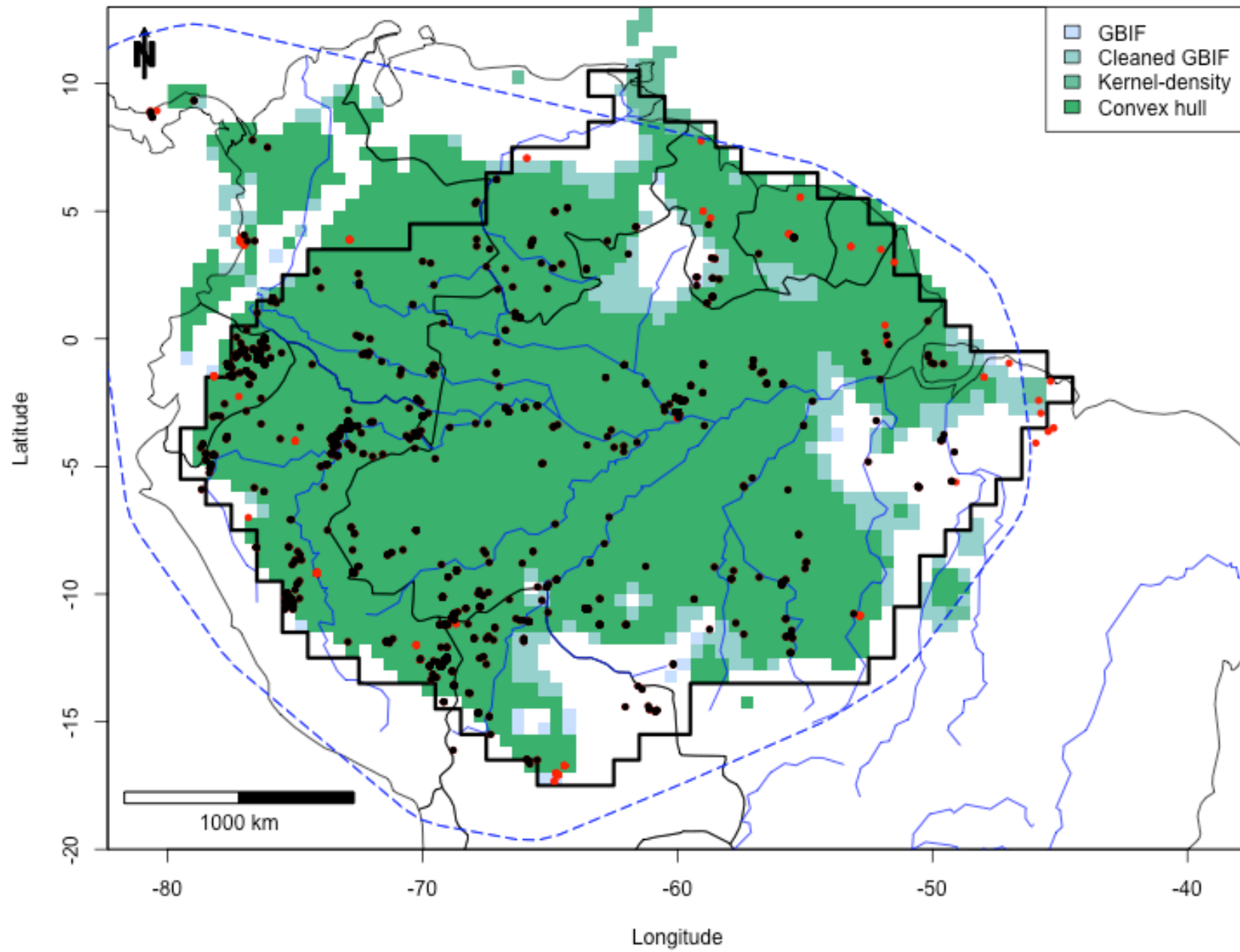
Inga thibaudiana



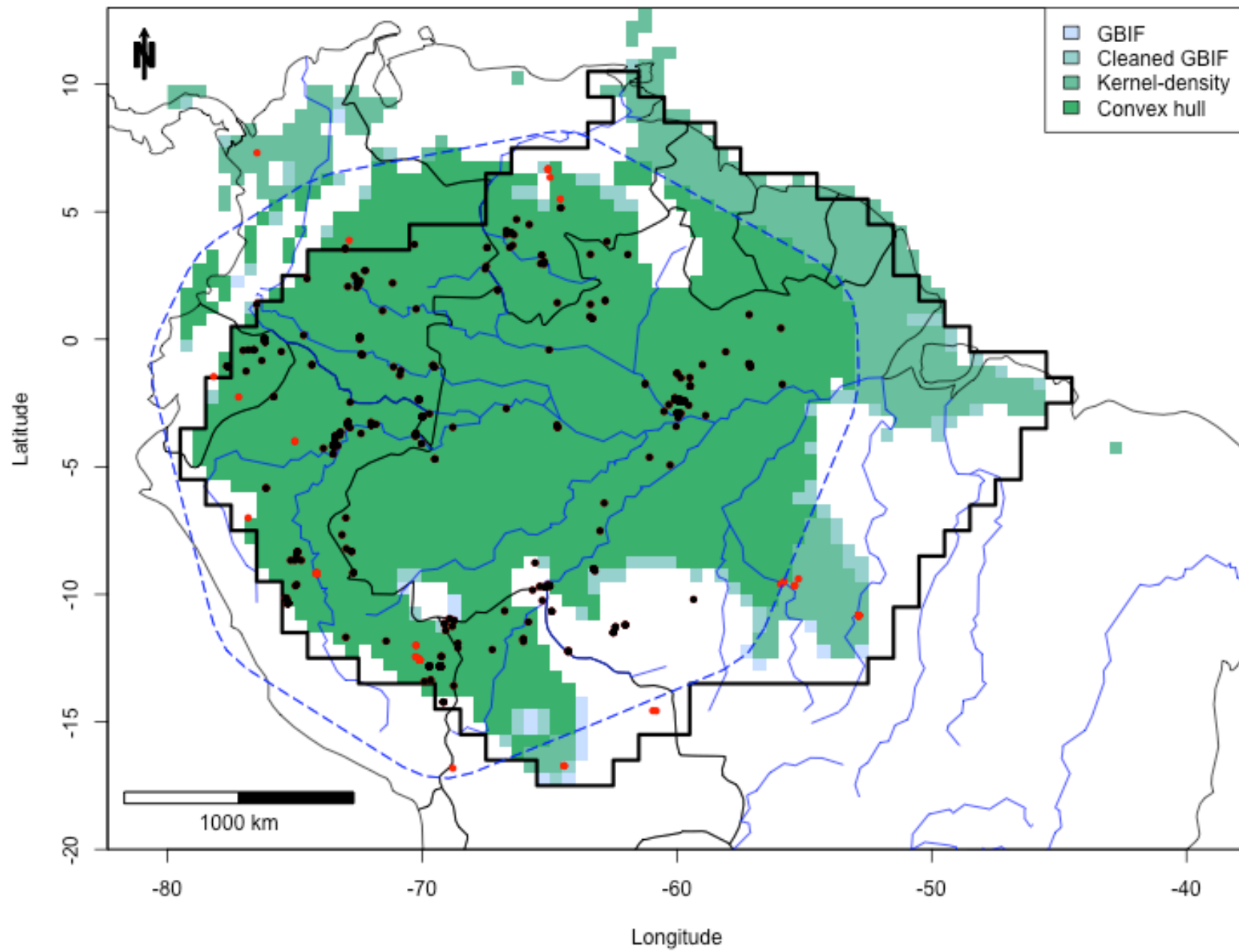
Iriartea deltoidea



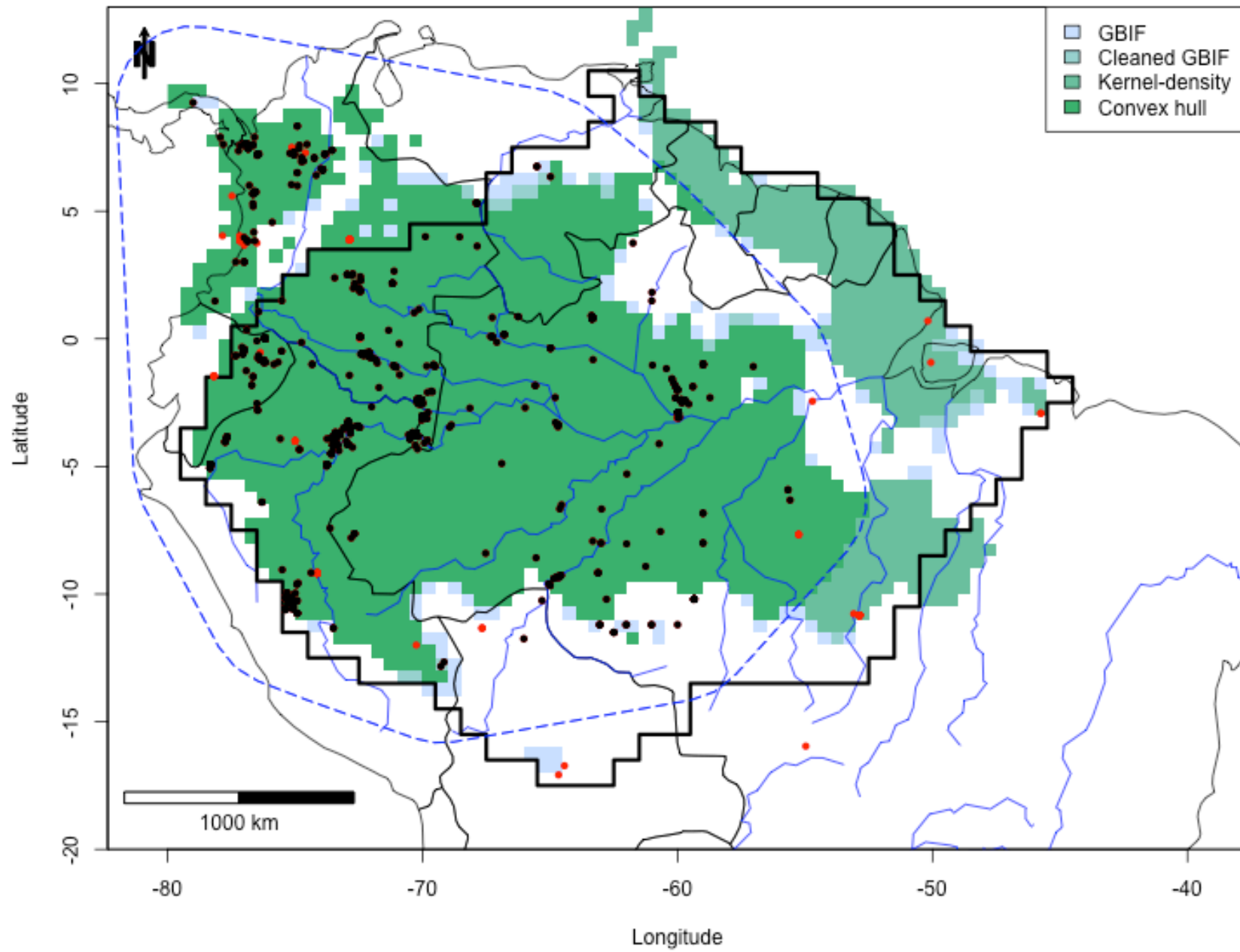
Iryanthera juruensis



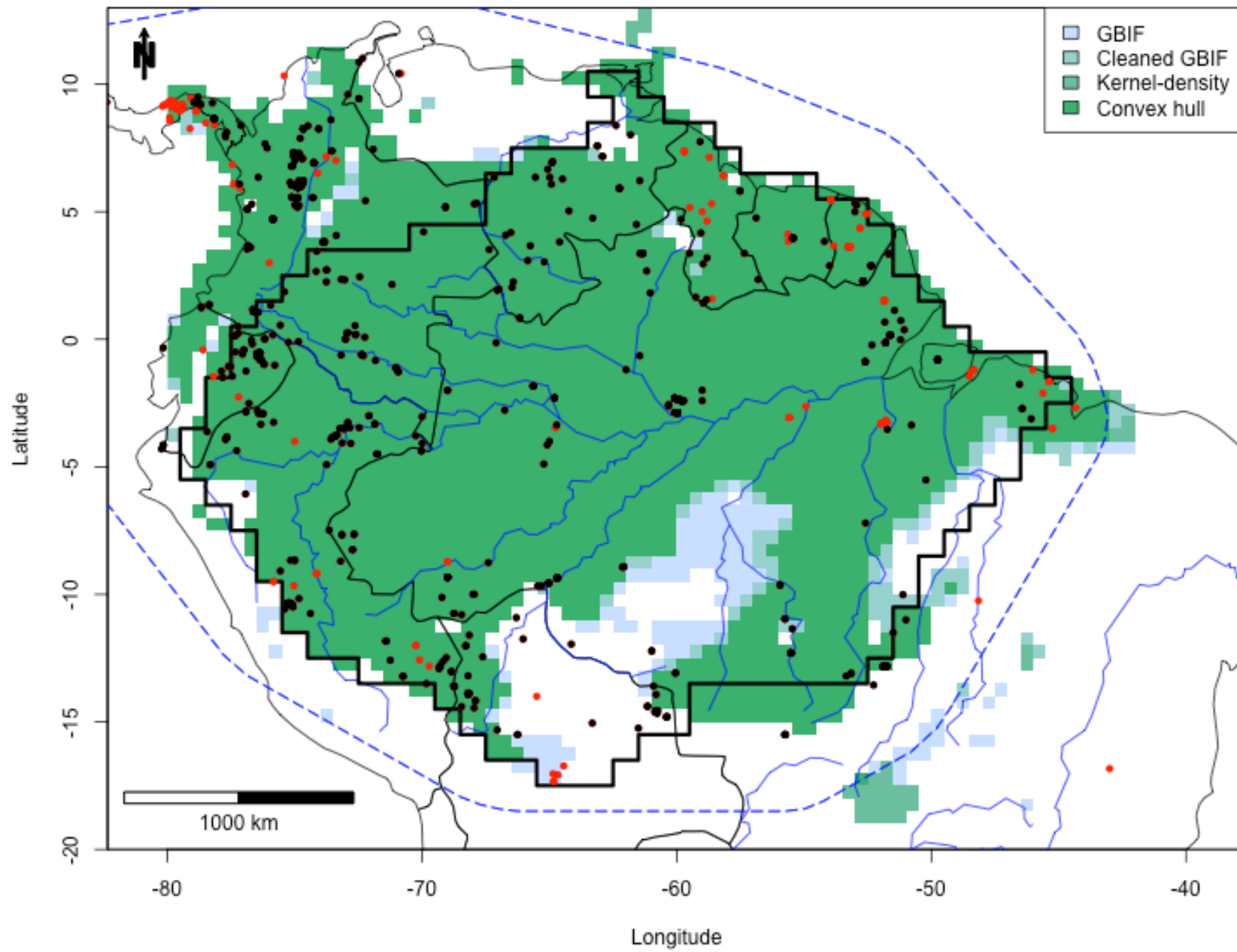
Iryanthera laevis



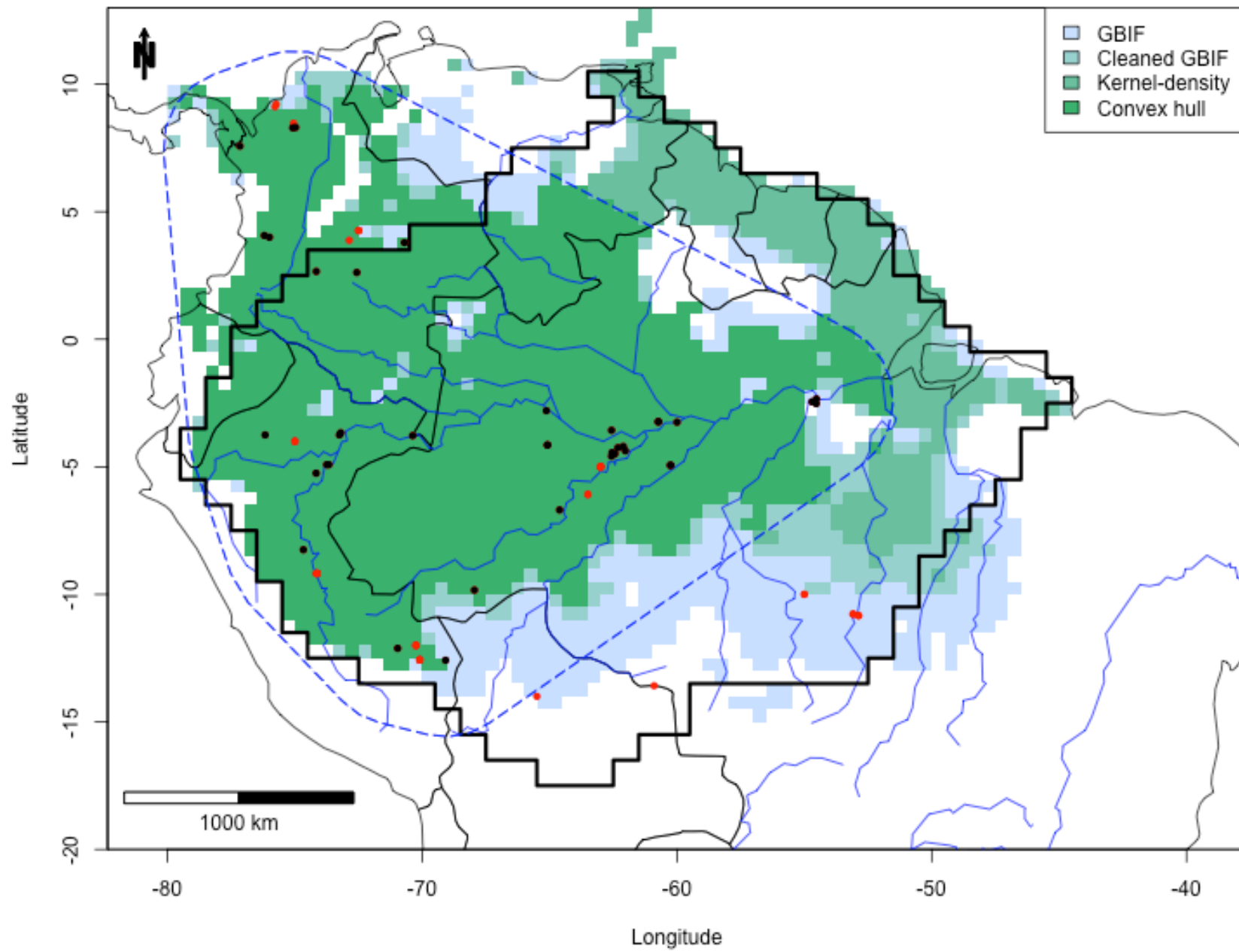
Iryanthera ulei



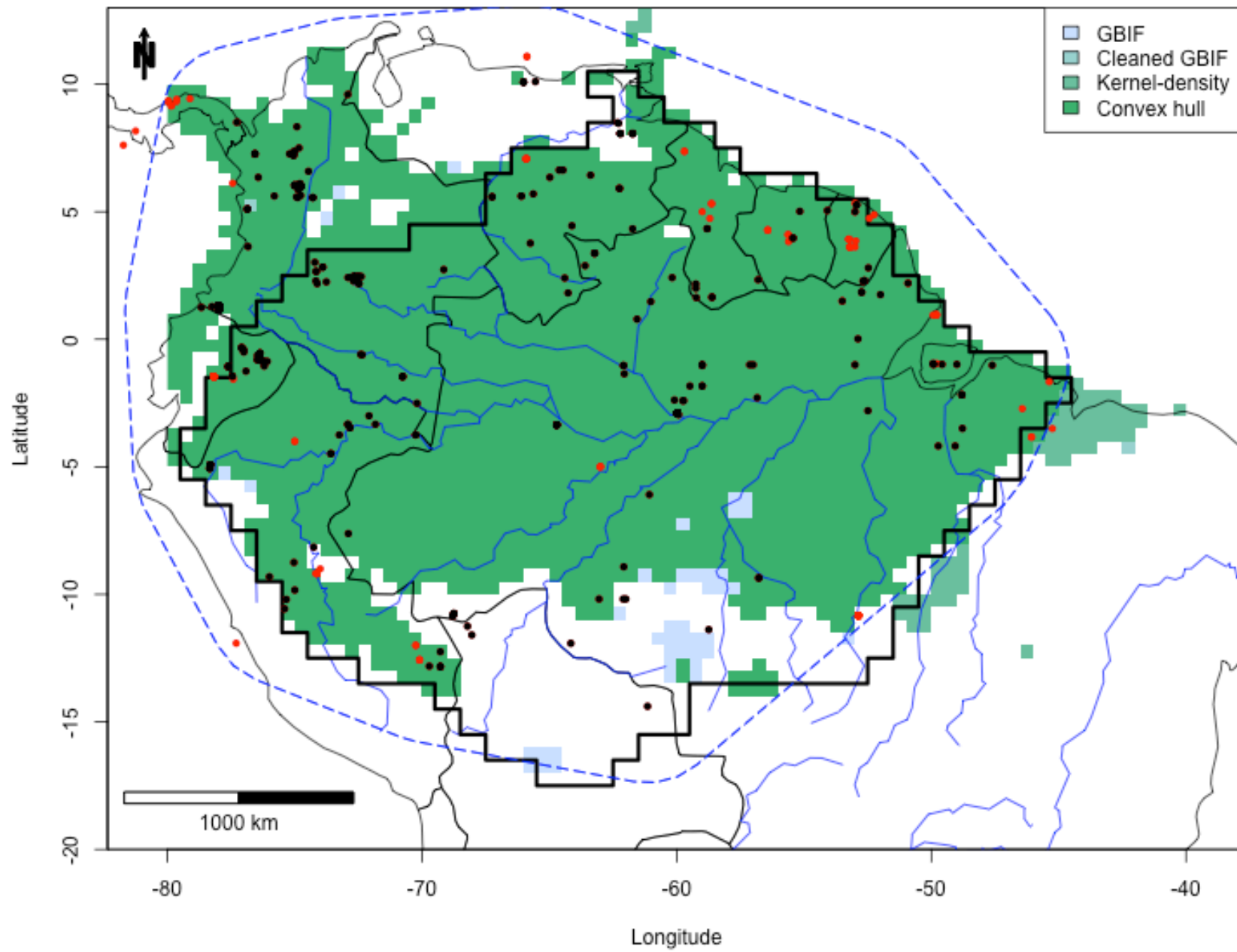
Jacaranda copaia



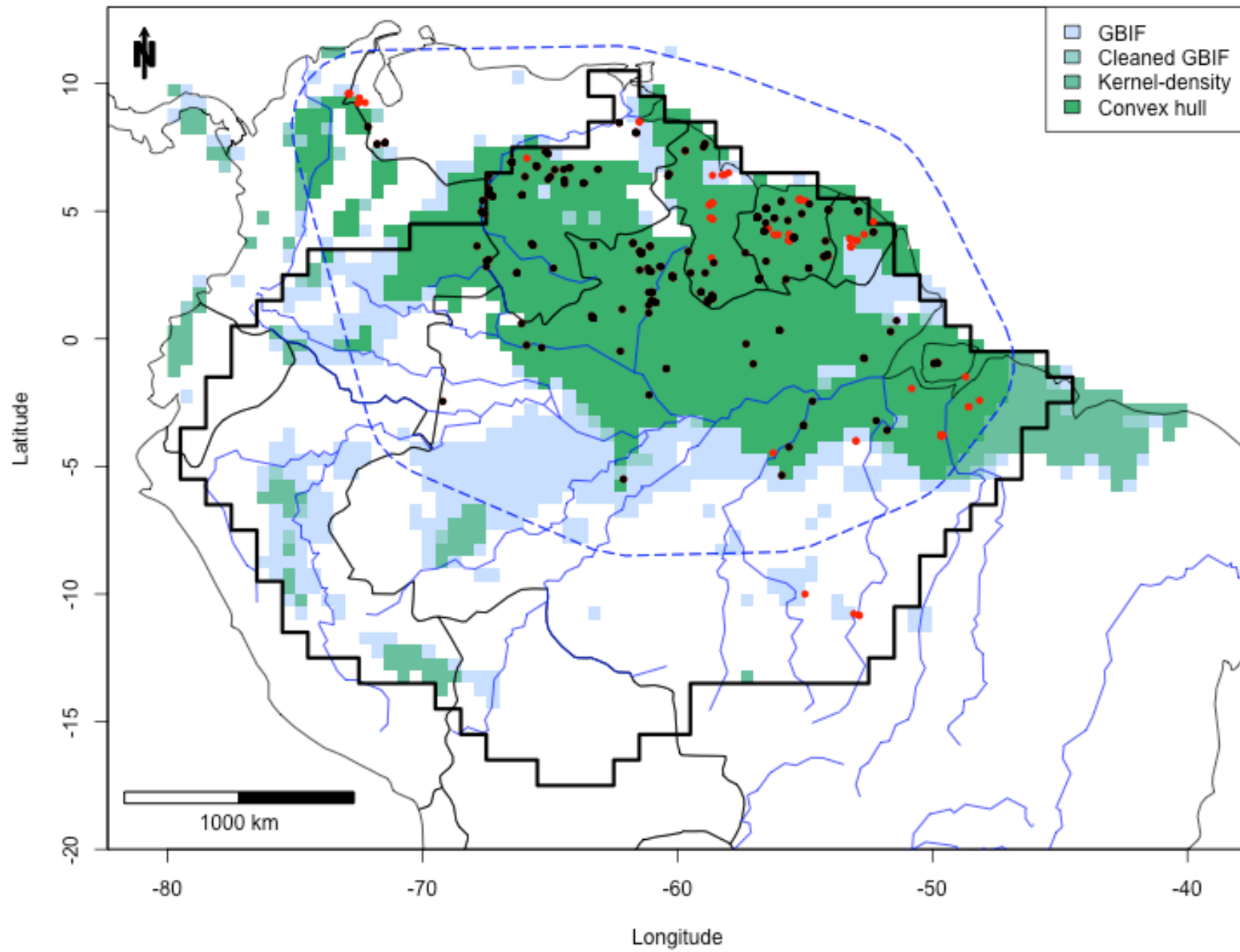
Laetia corymbulosa



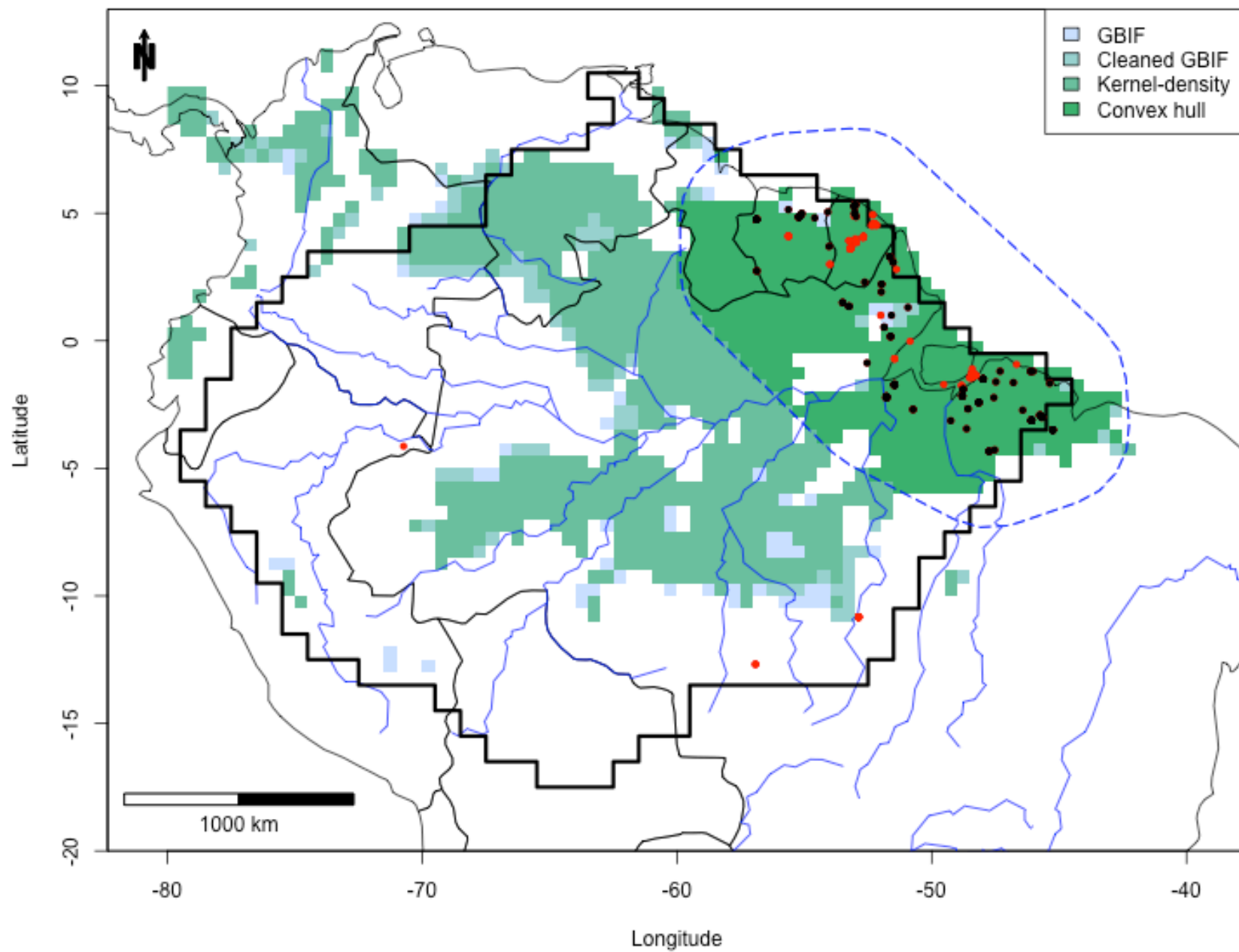
Laetia procera



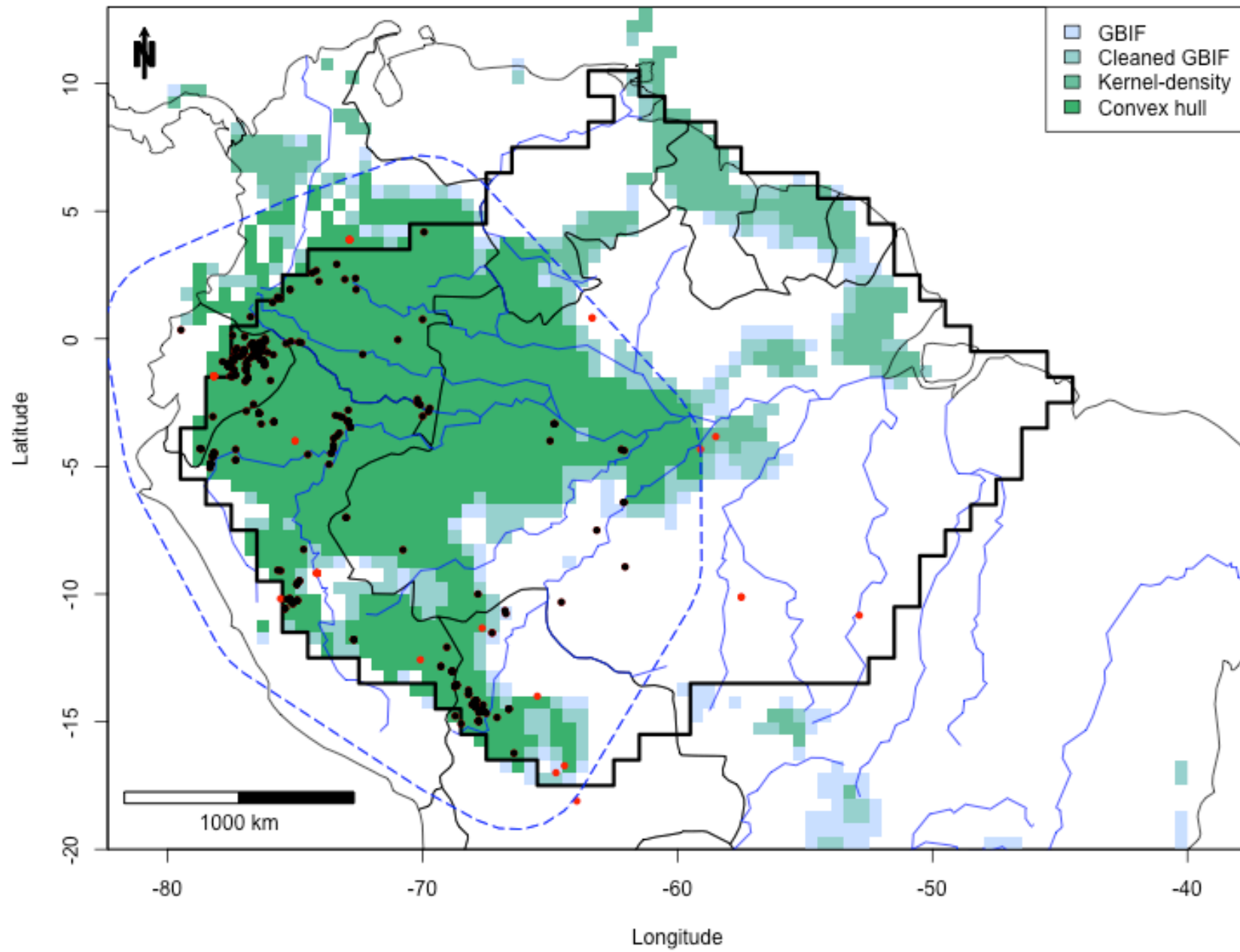
Lecythis corrugata



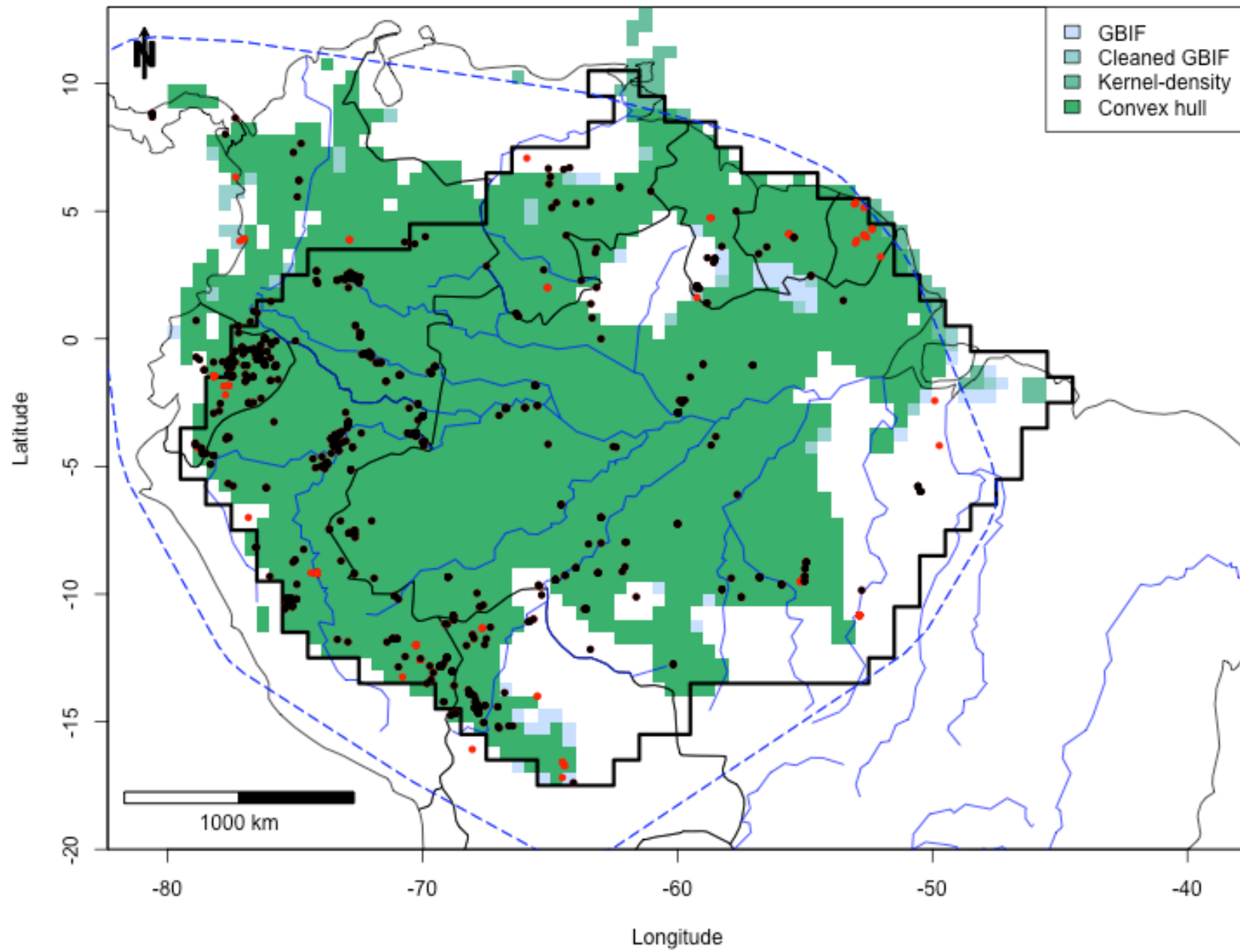
Lecythis idatimon



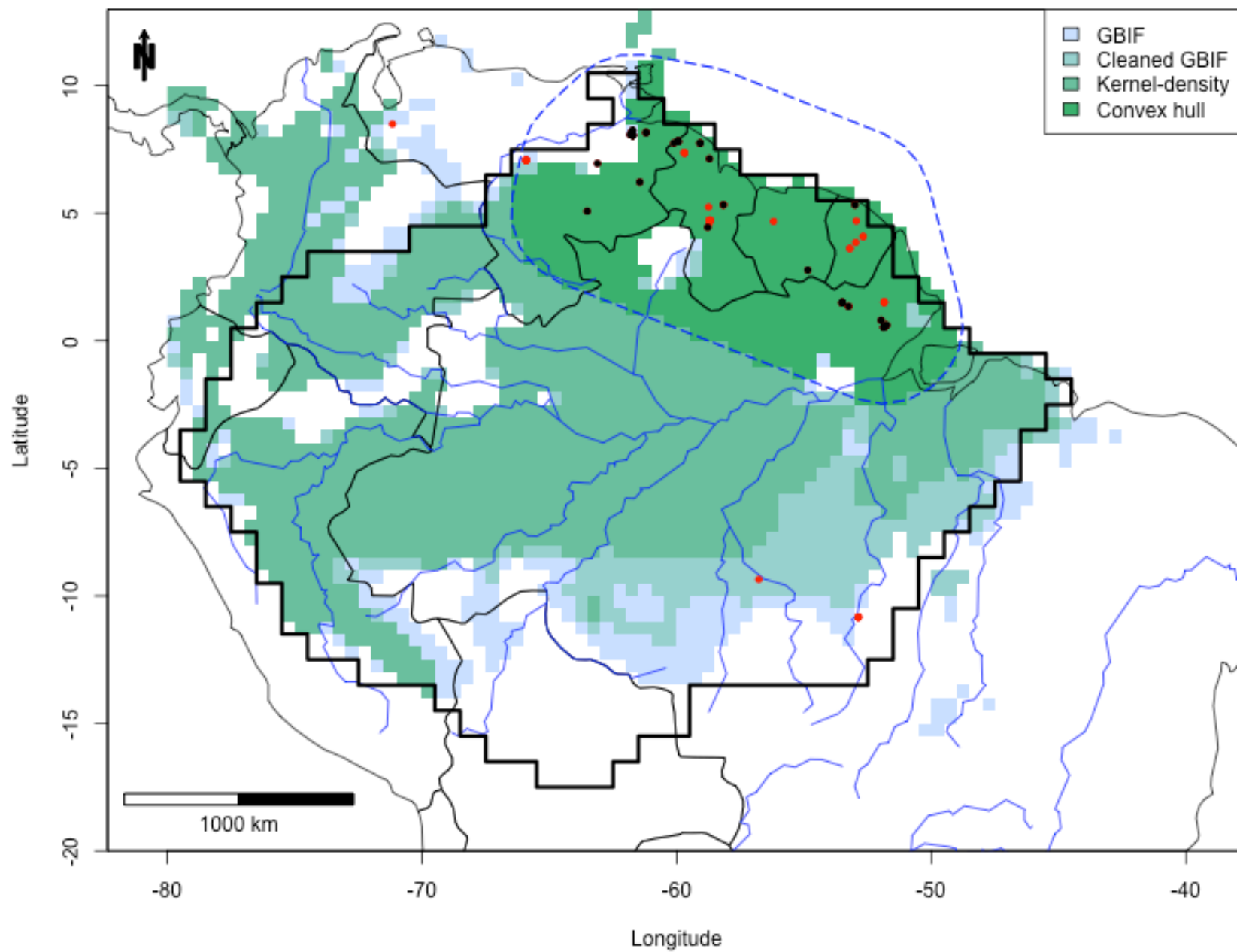
Leonia crassa



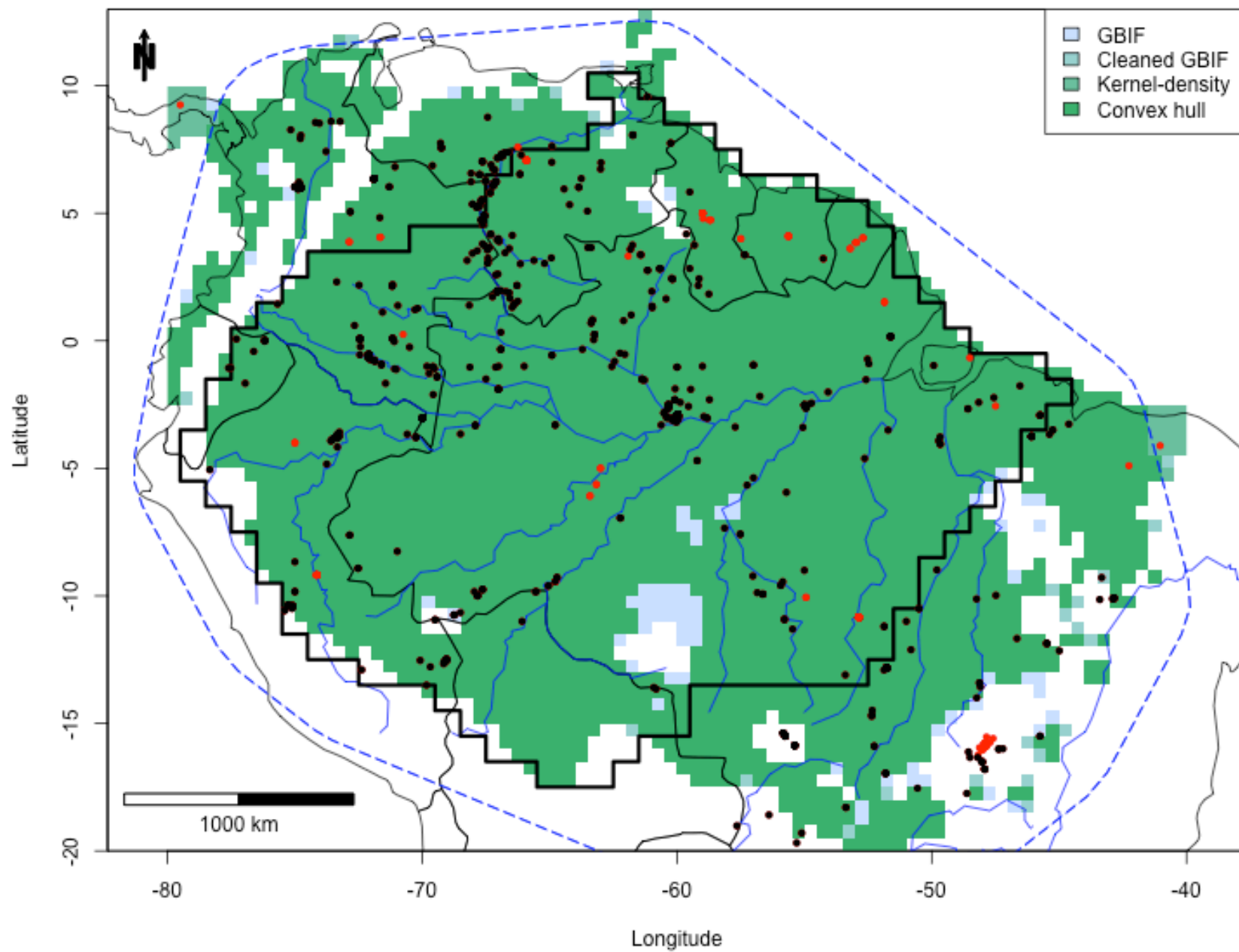
Leonia glycyarpa



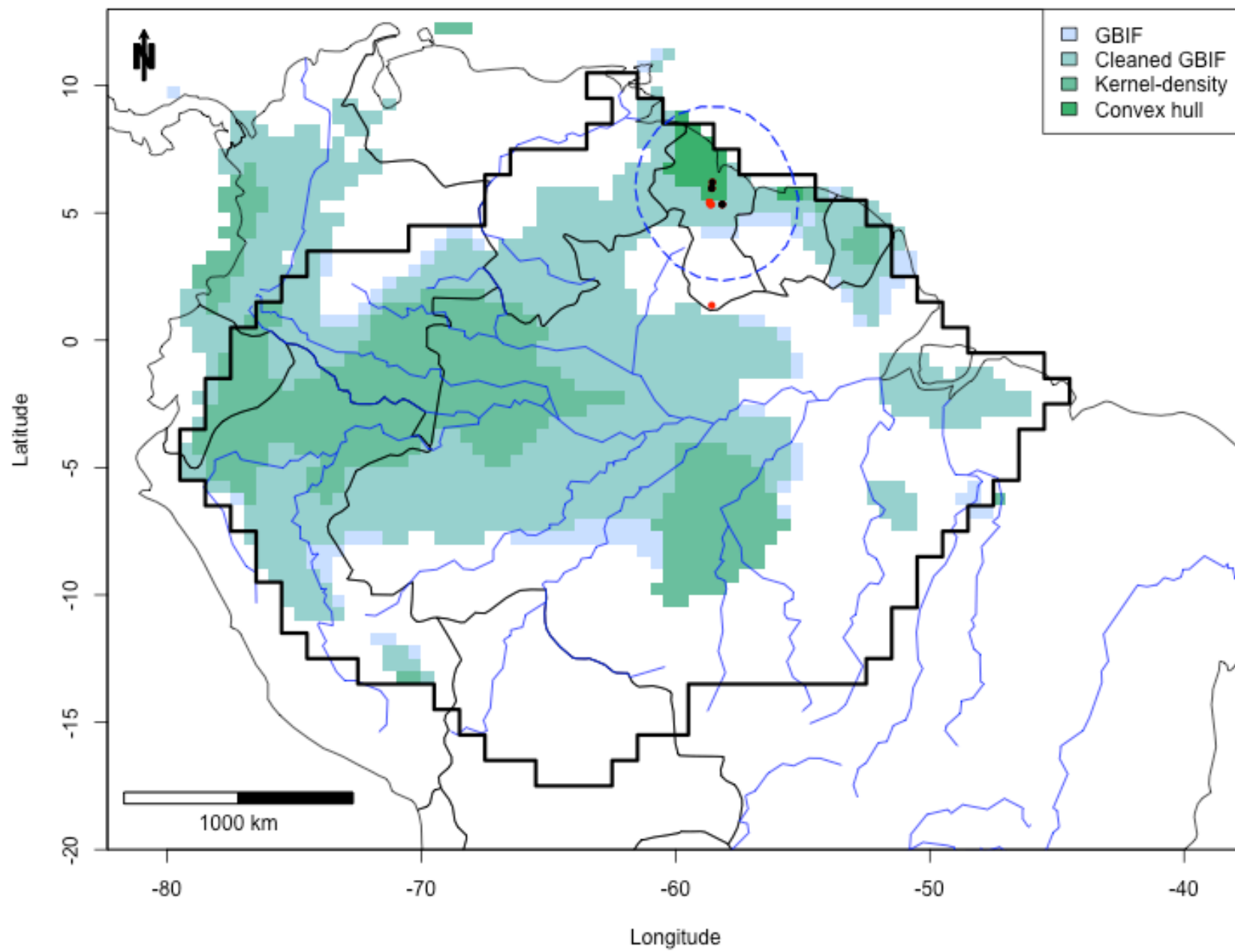
Licania alba



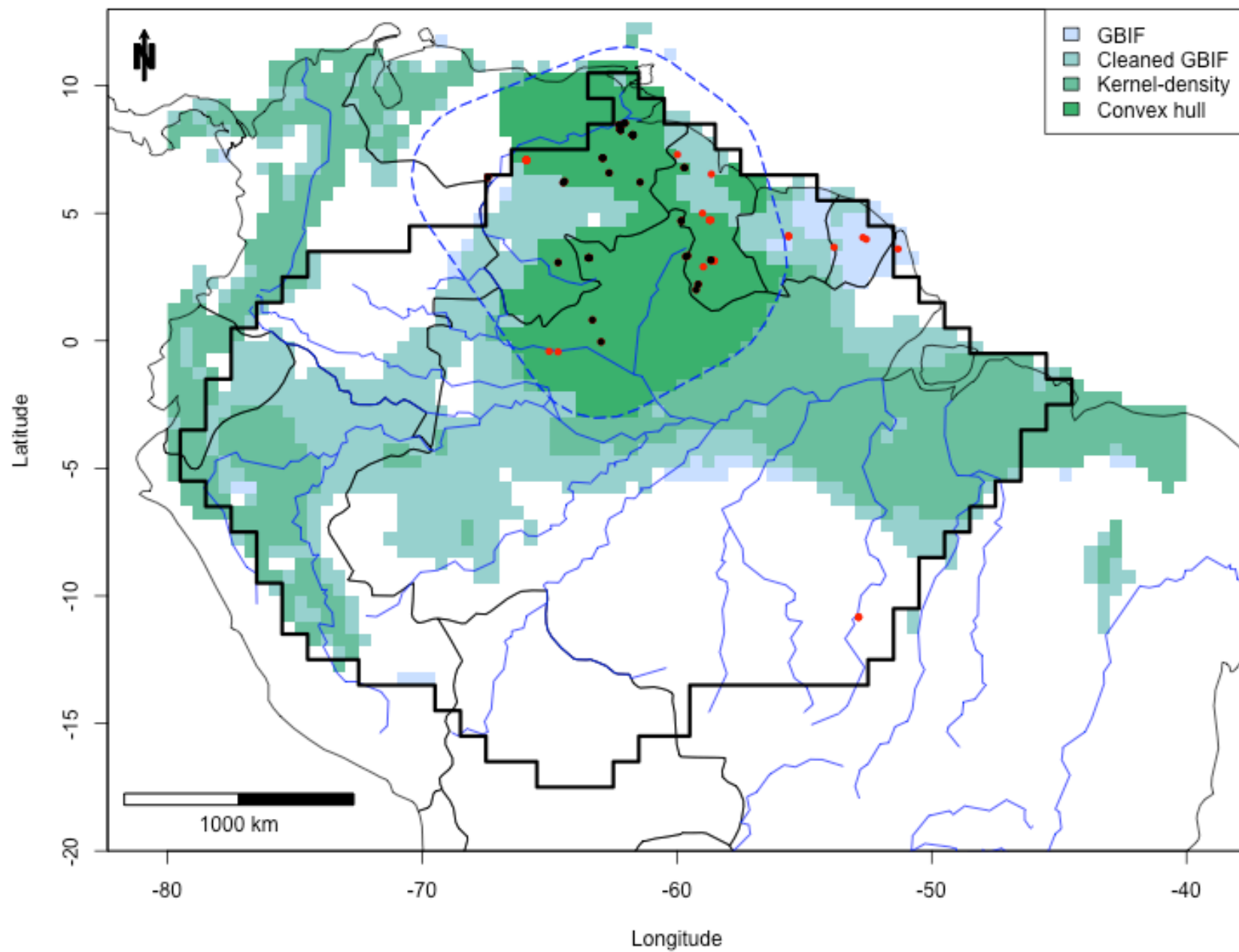
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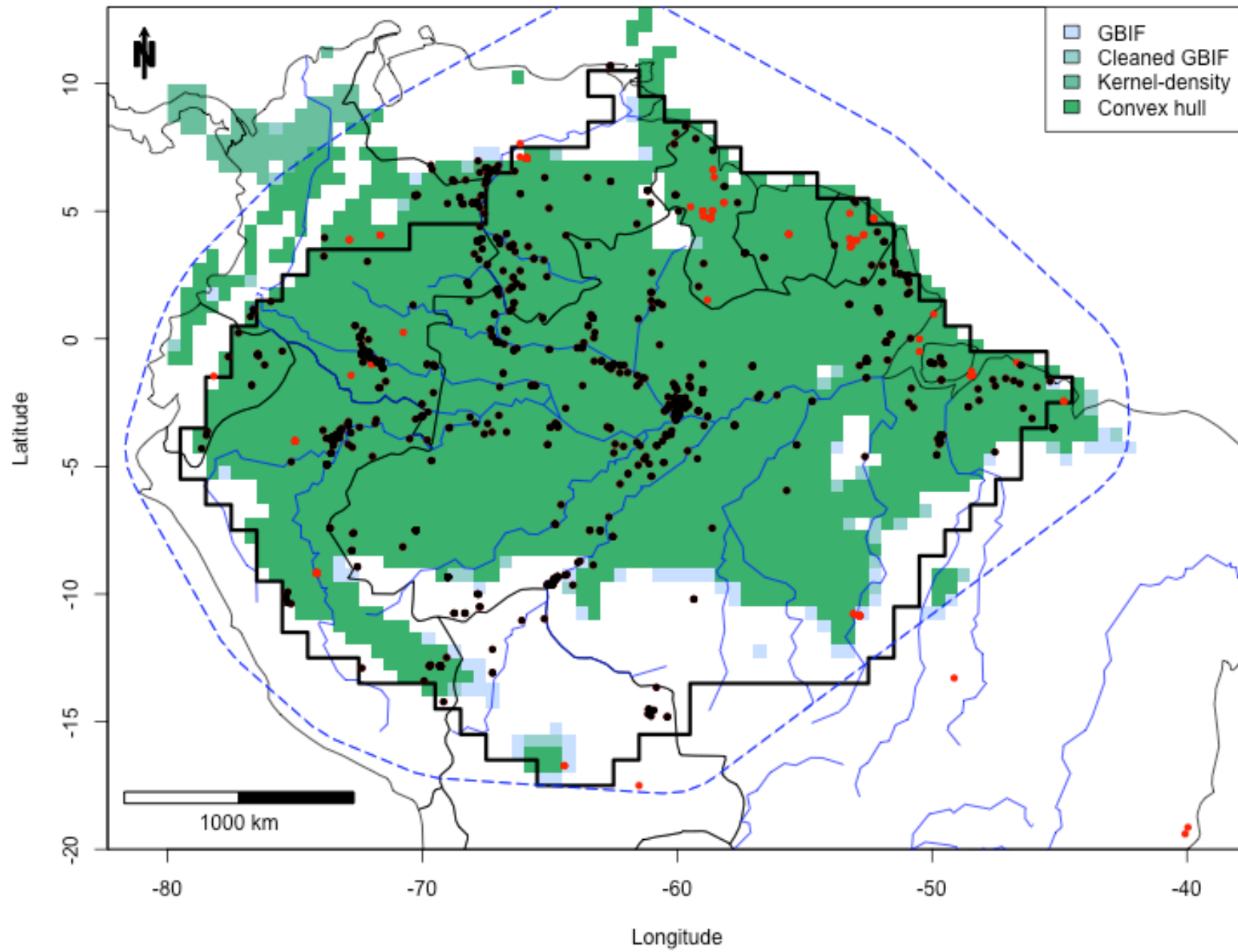
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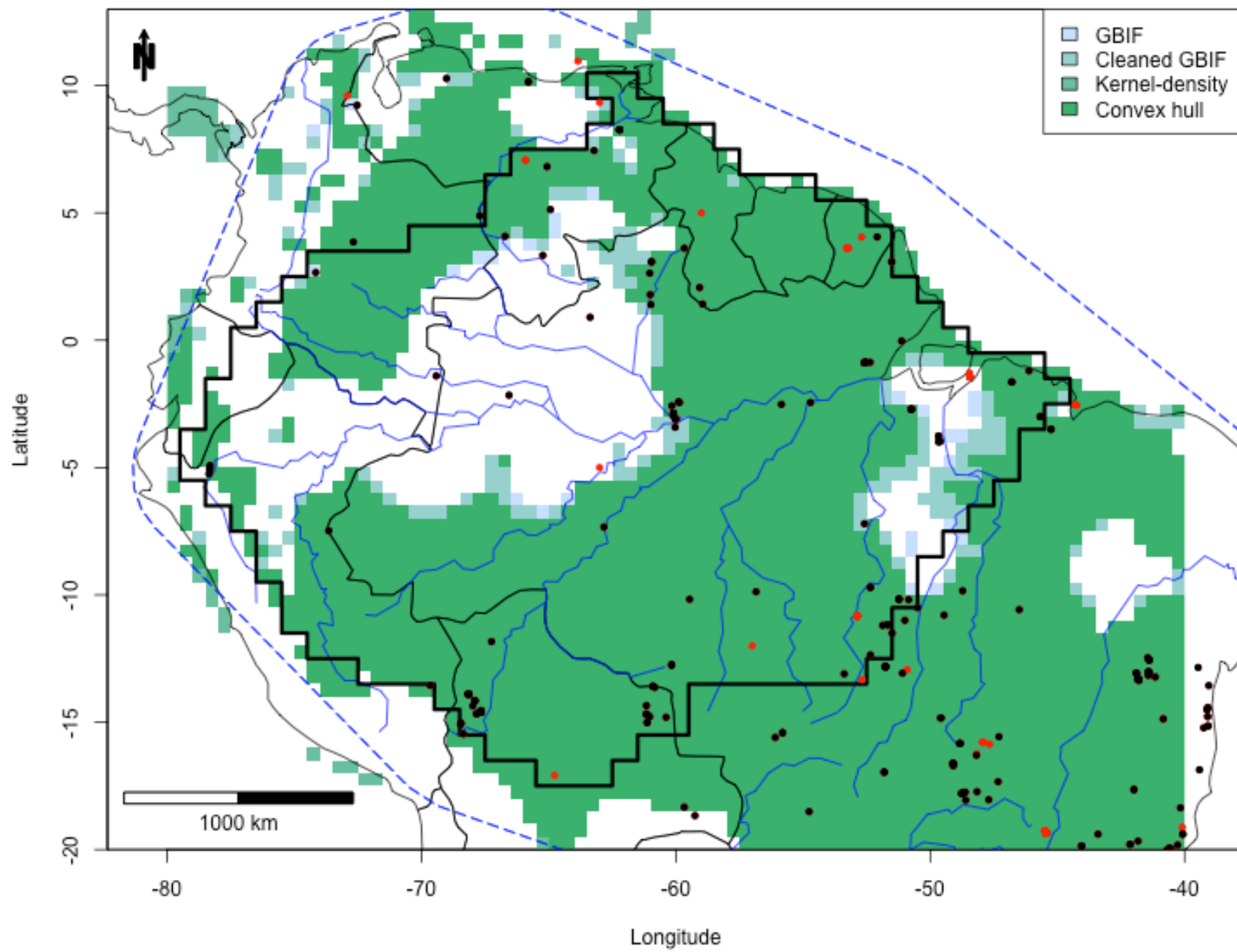
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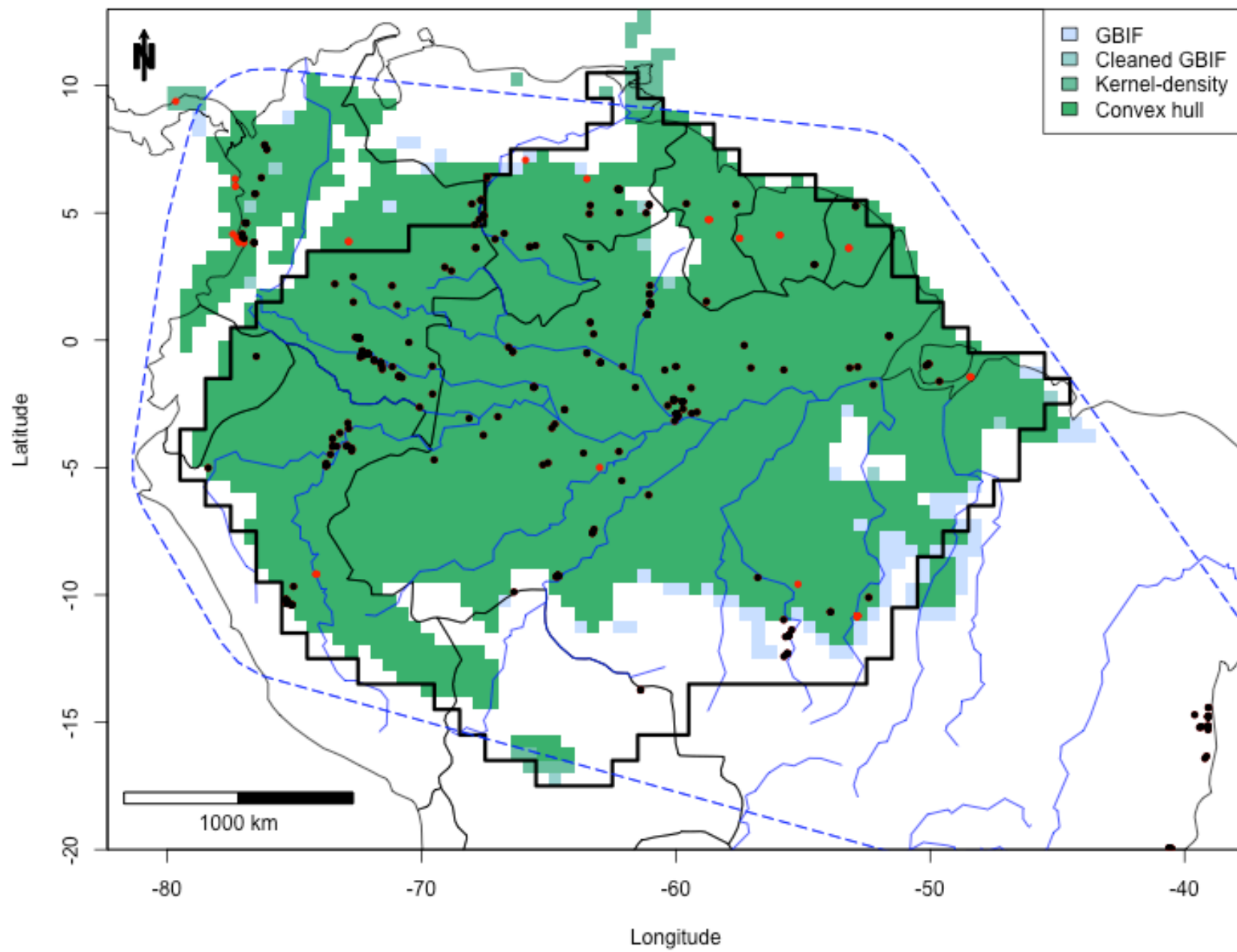
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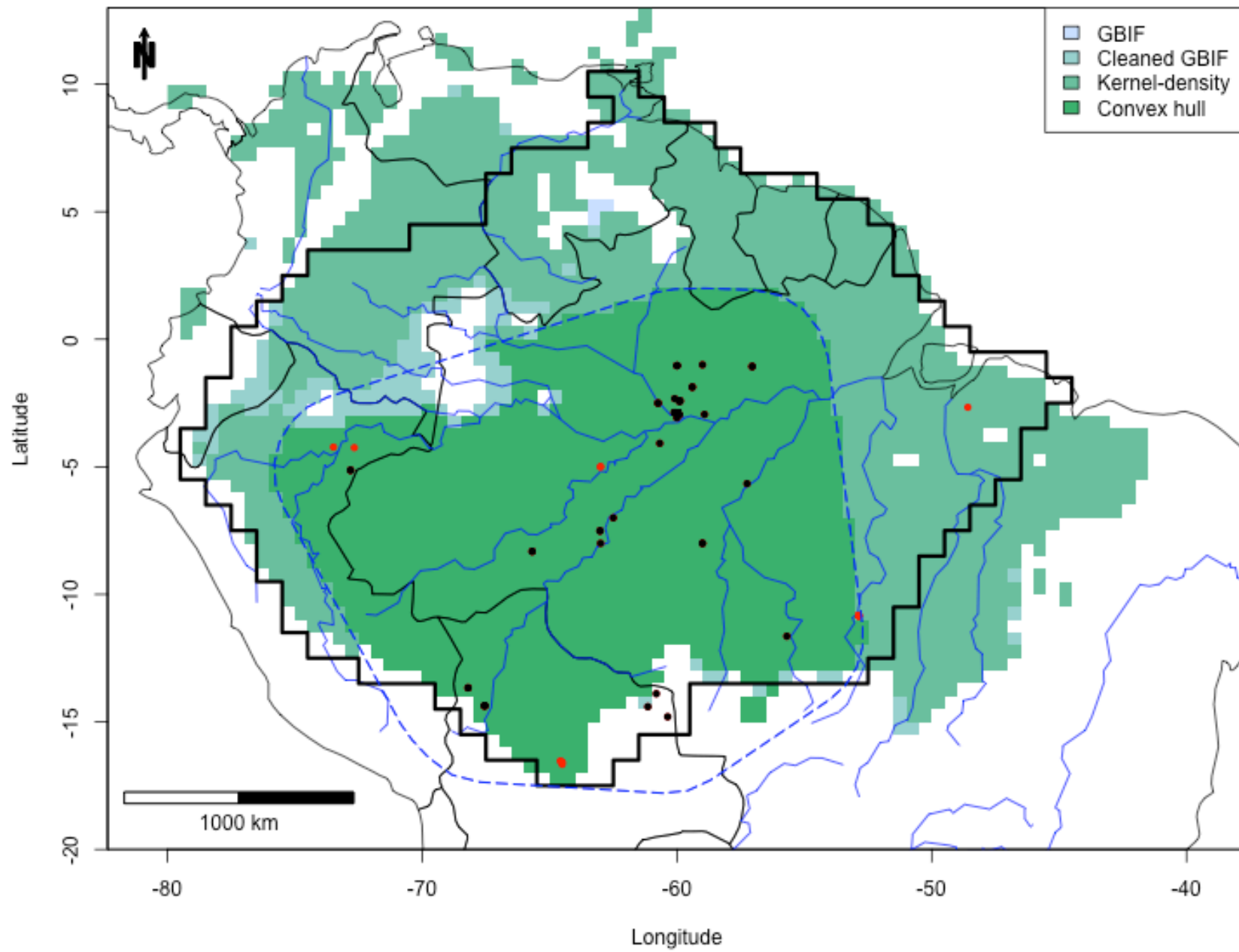
Licania kunthiana



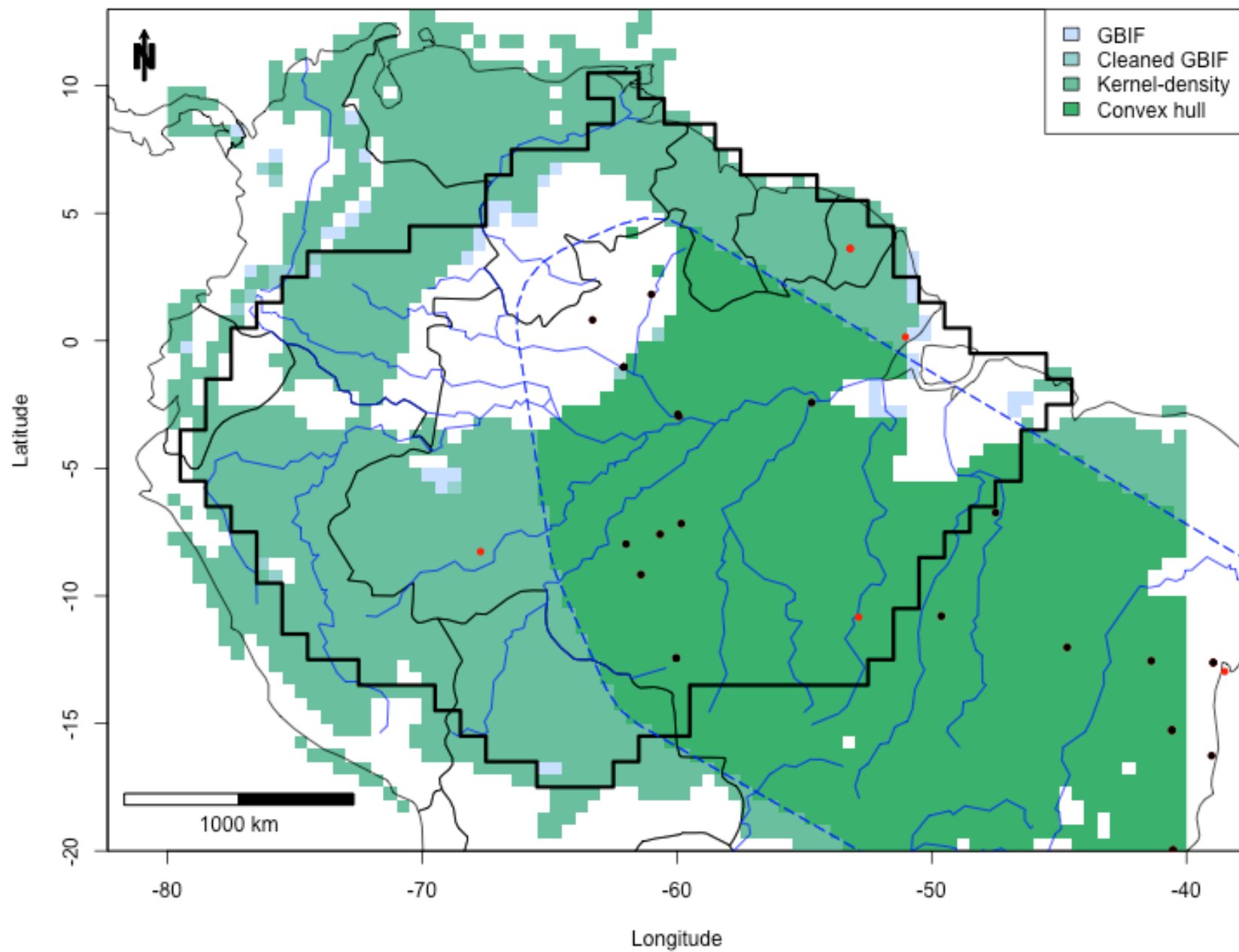
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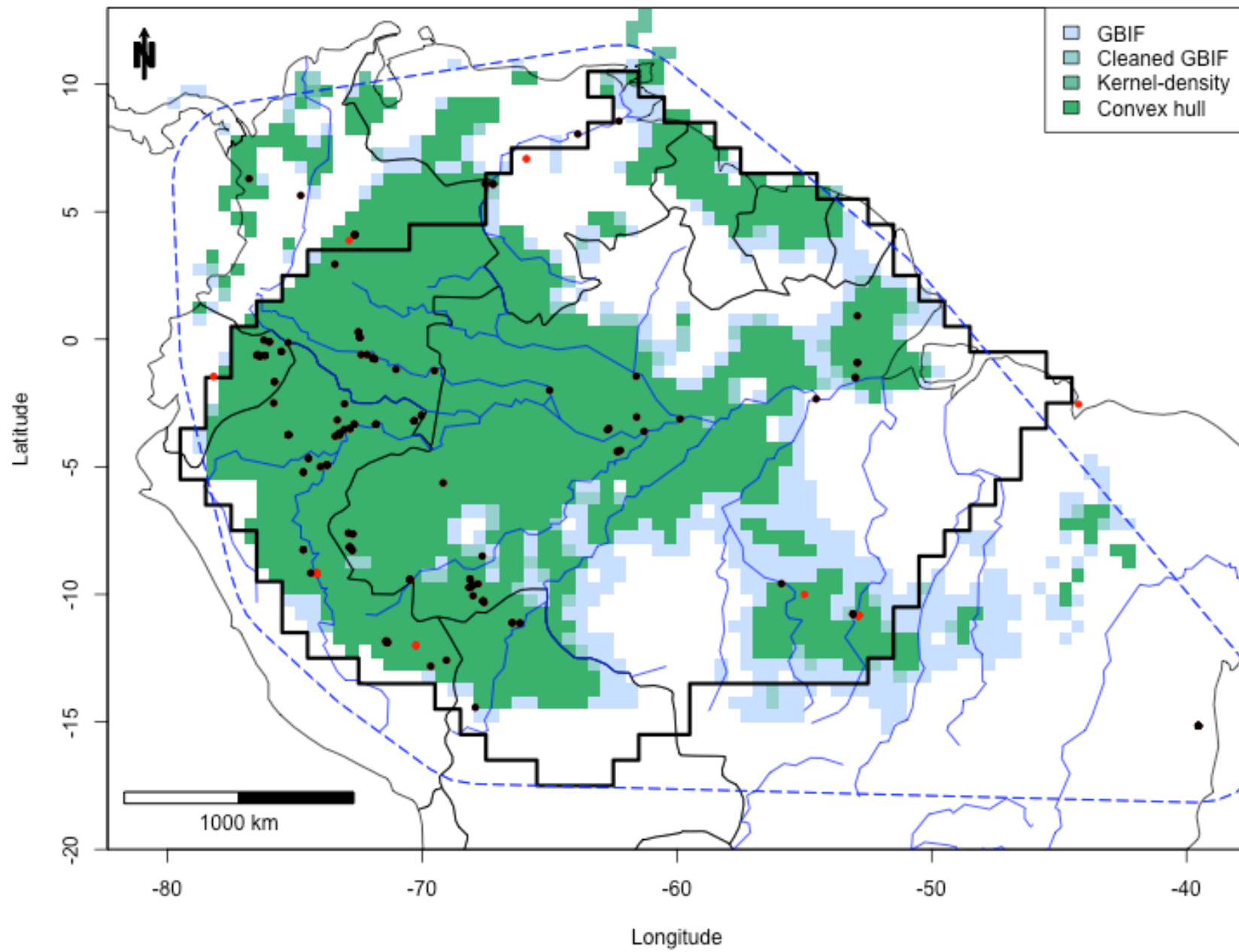
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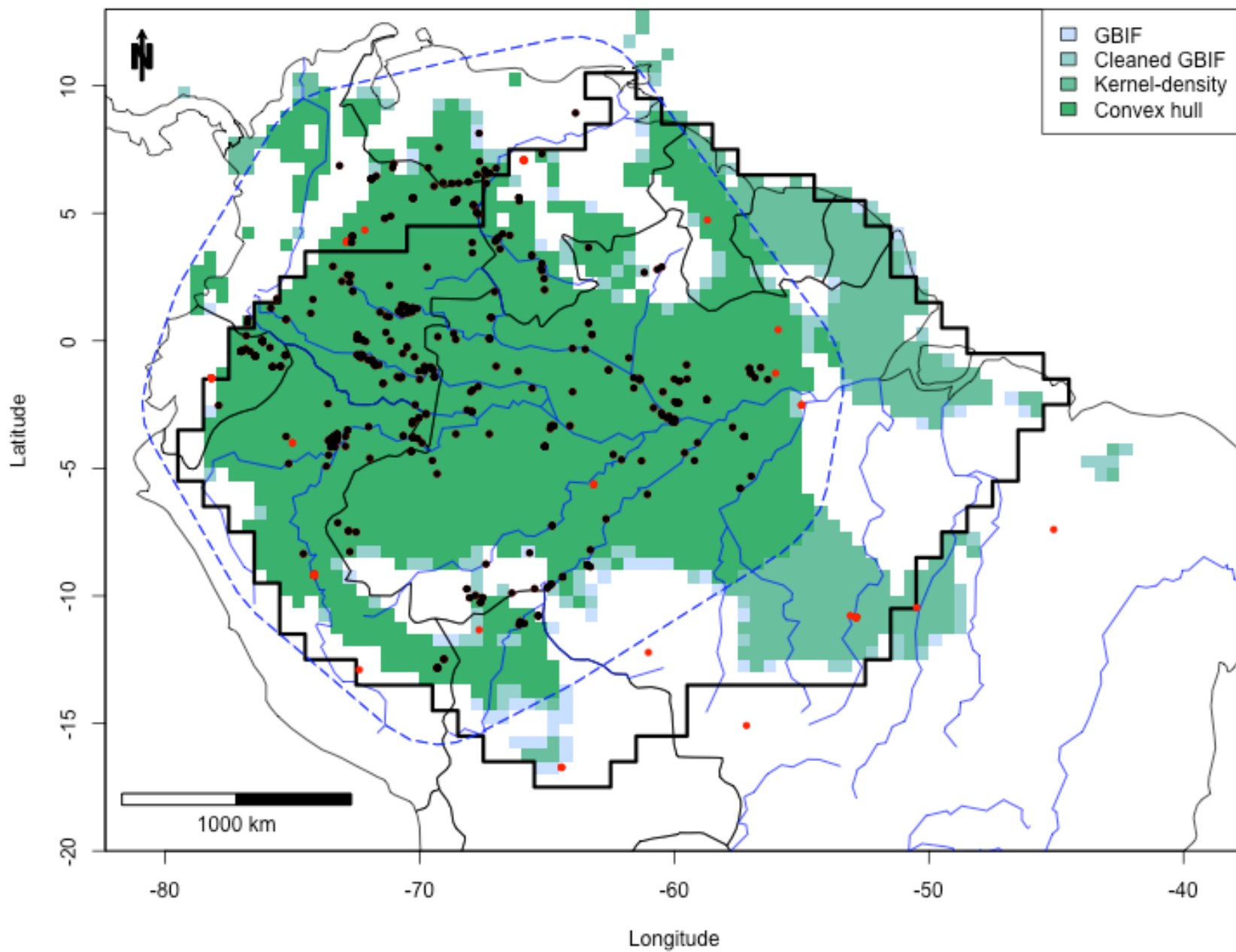
Licania octandra



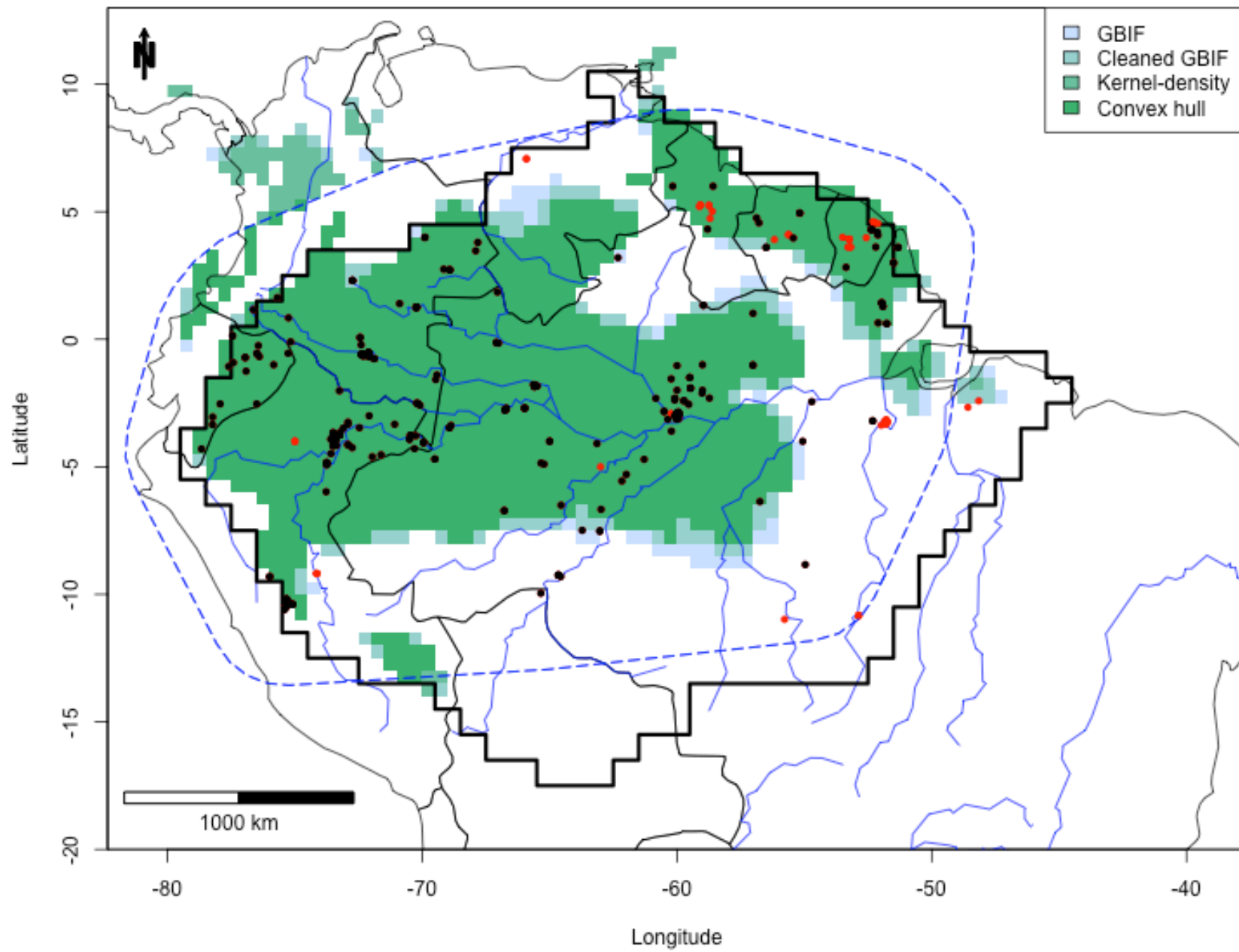
Luehea cymulosa



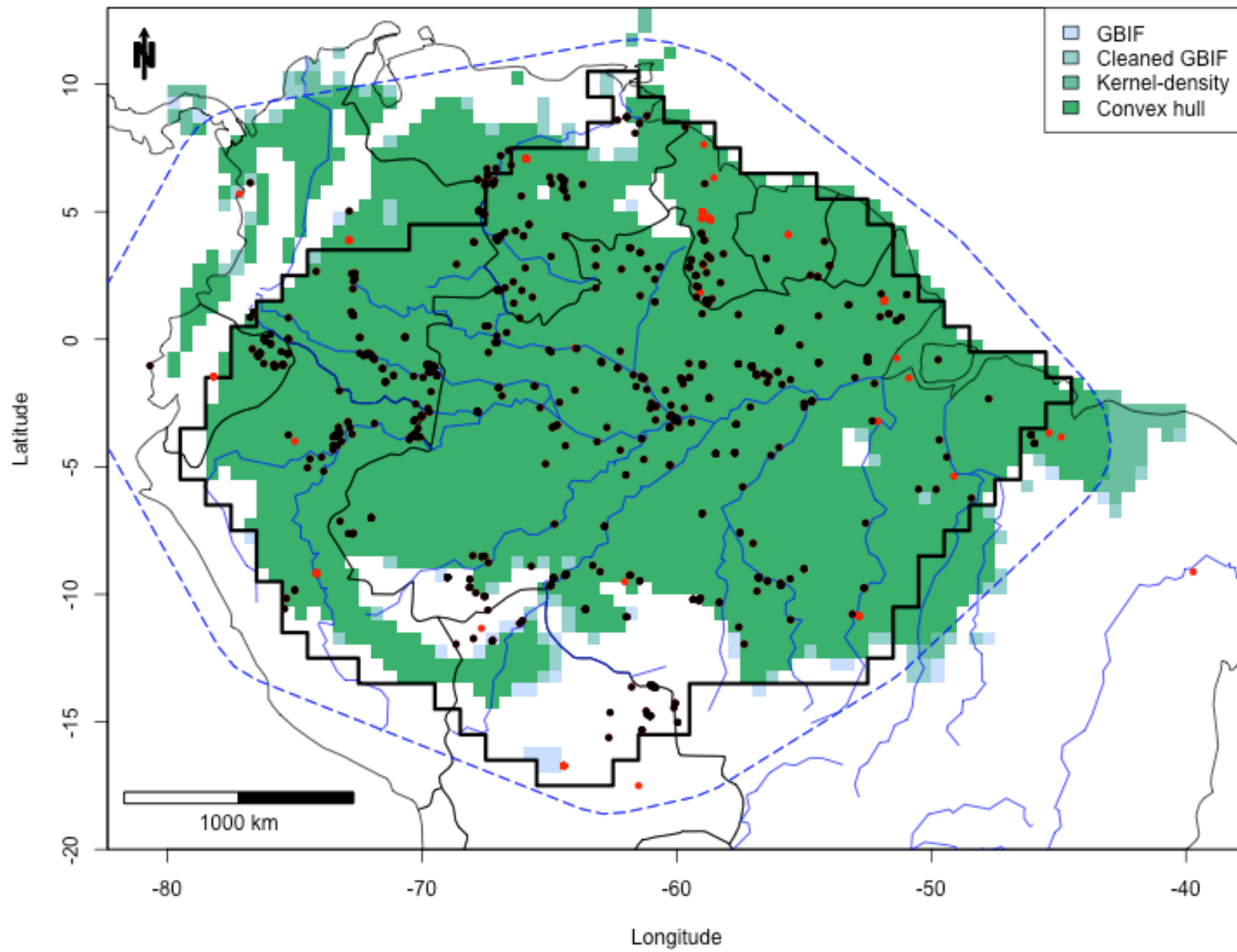
Mabea nitida



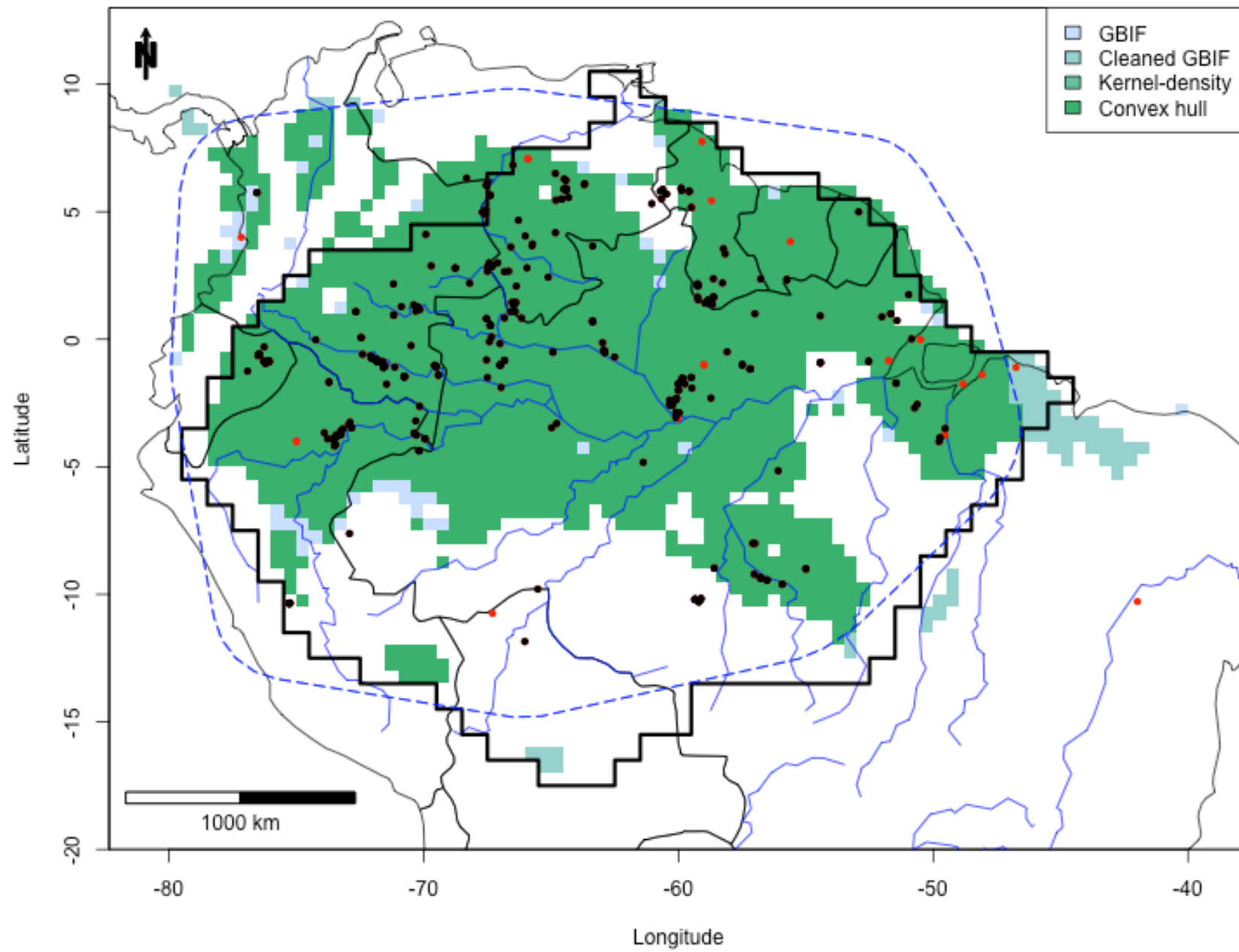
Mabea speciosa



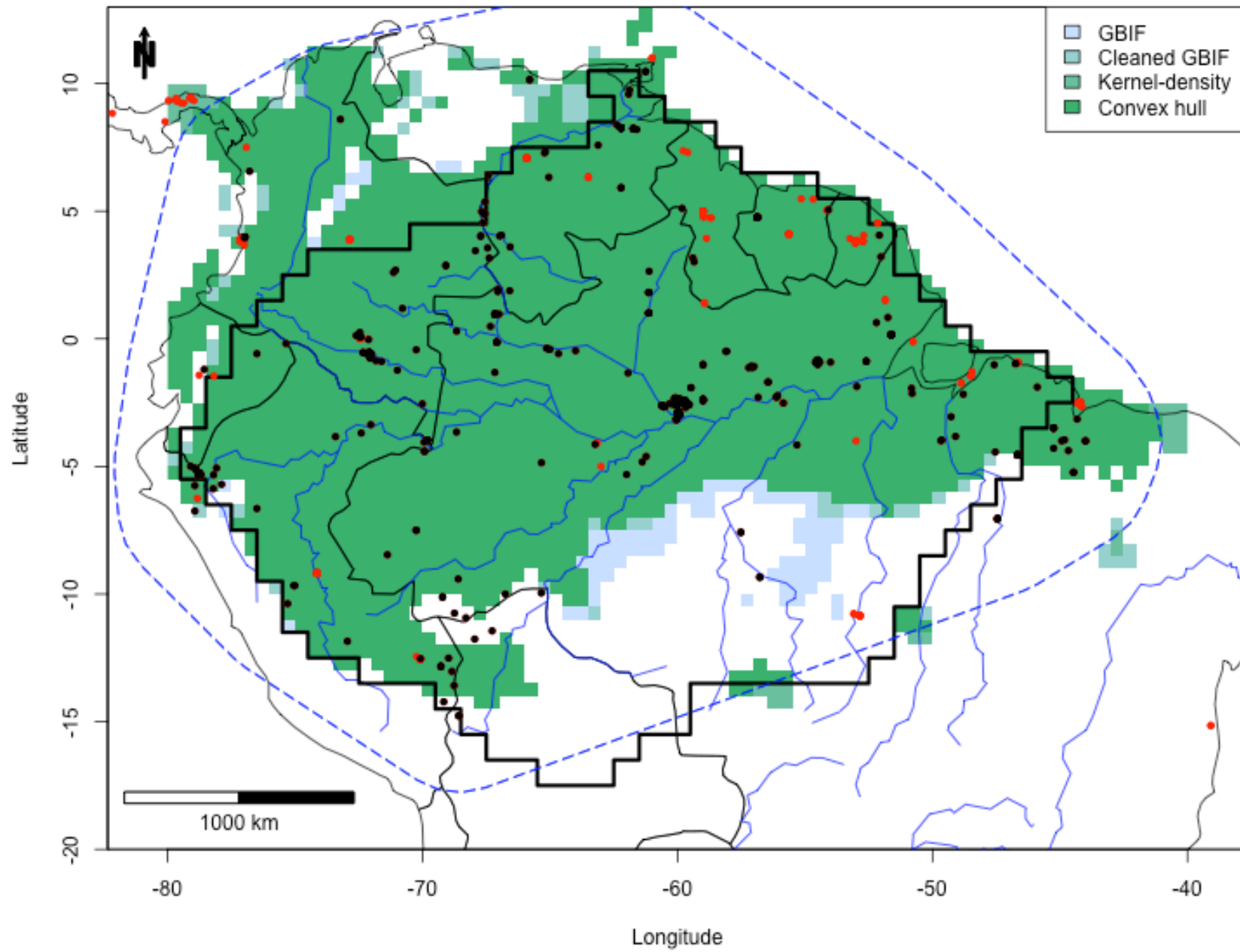
Macrolobium acaciifolium



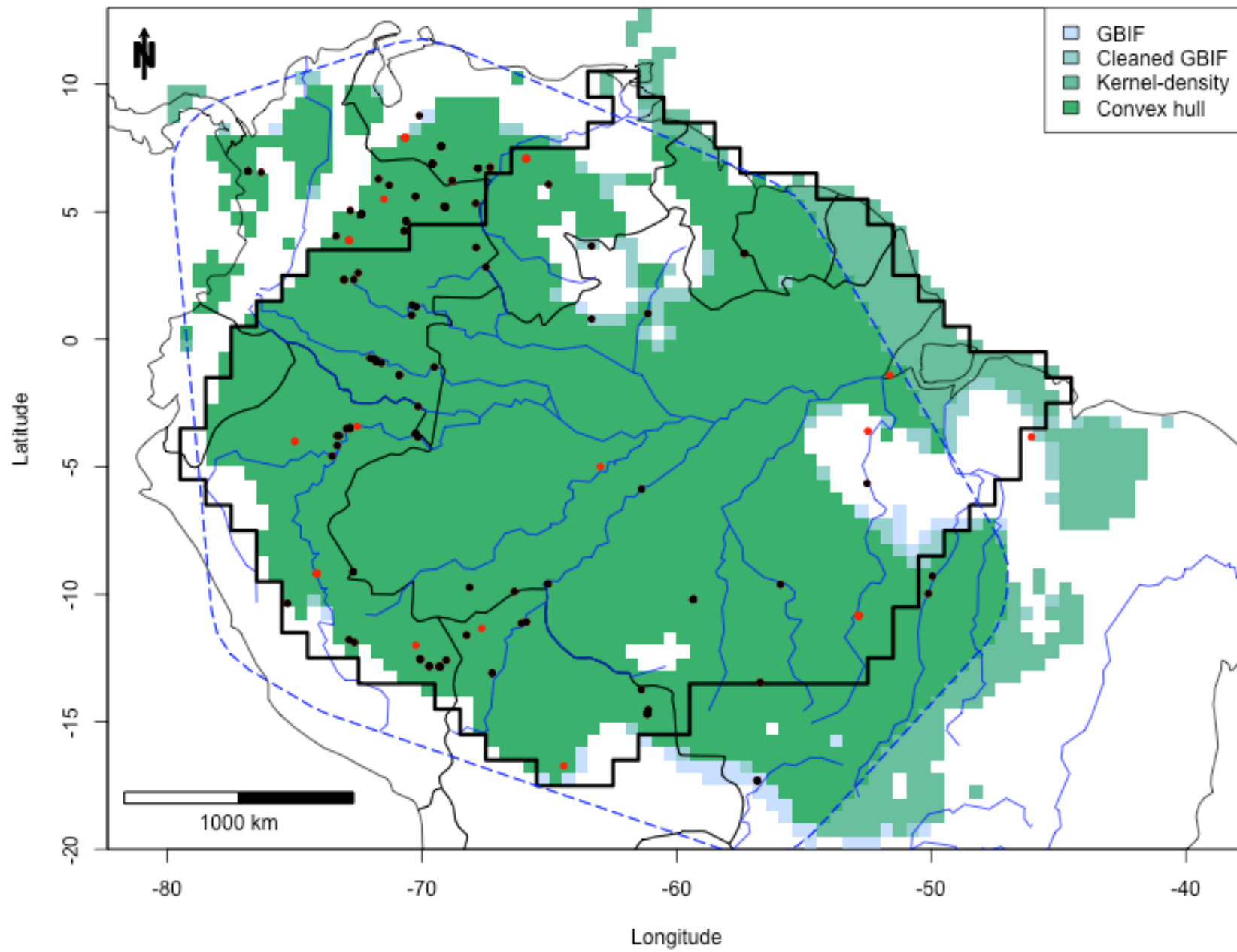
Maclobium angustifolium



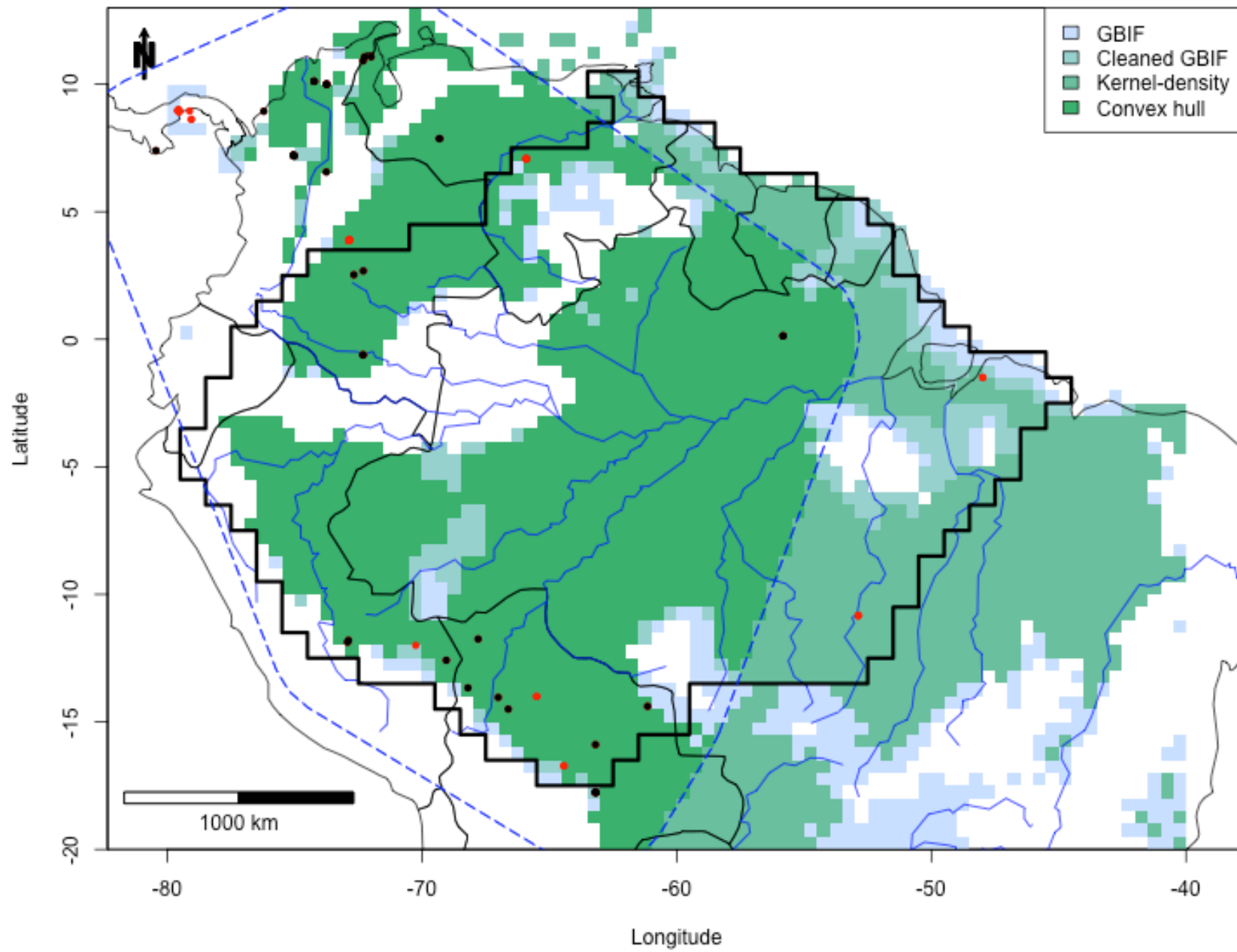
Manilkara bidentata



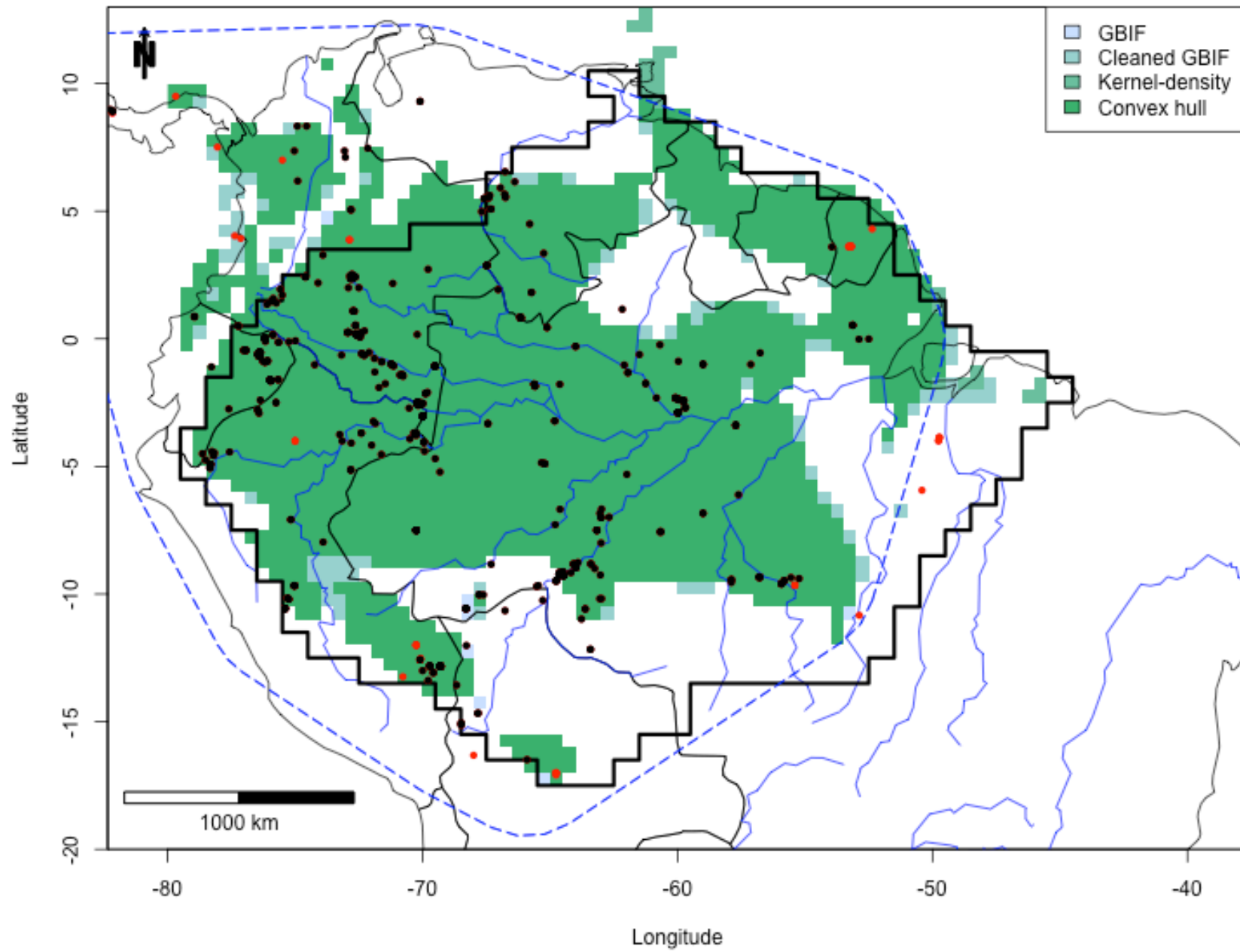
Maquira coriacea



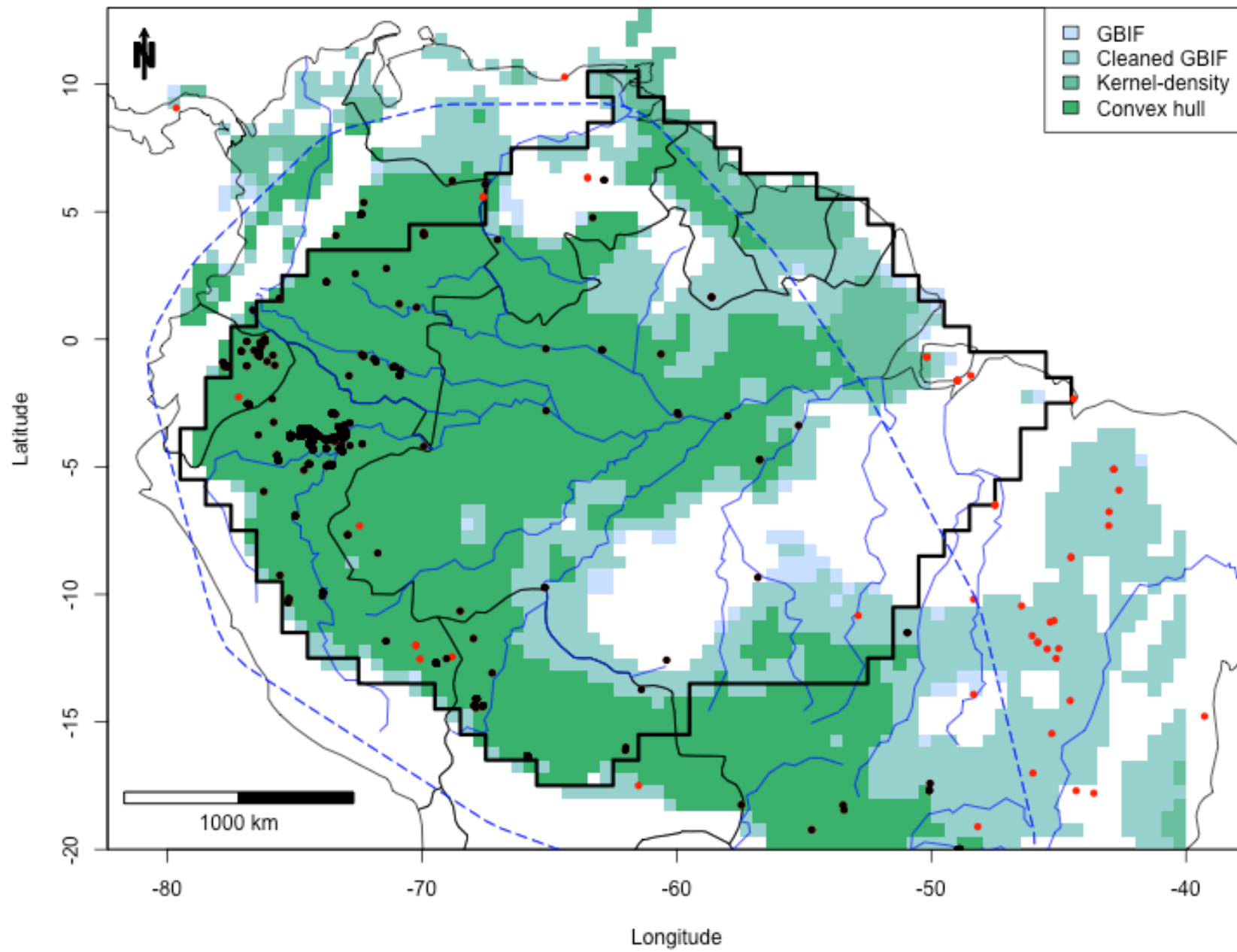
Matayba scrobiculata



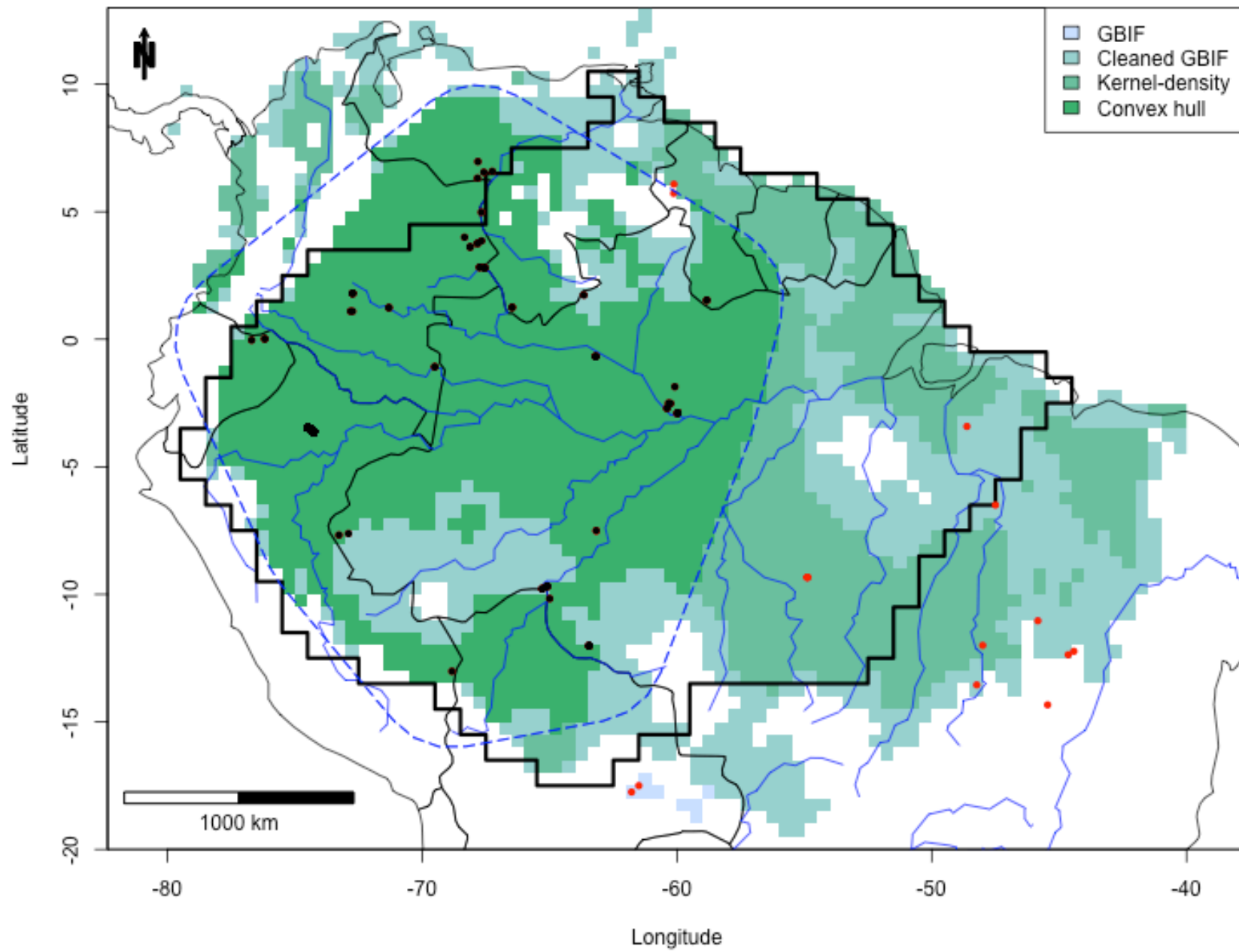
Matisia ochrocalyx



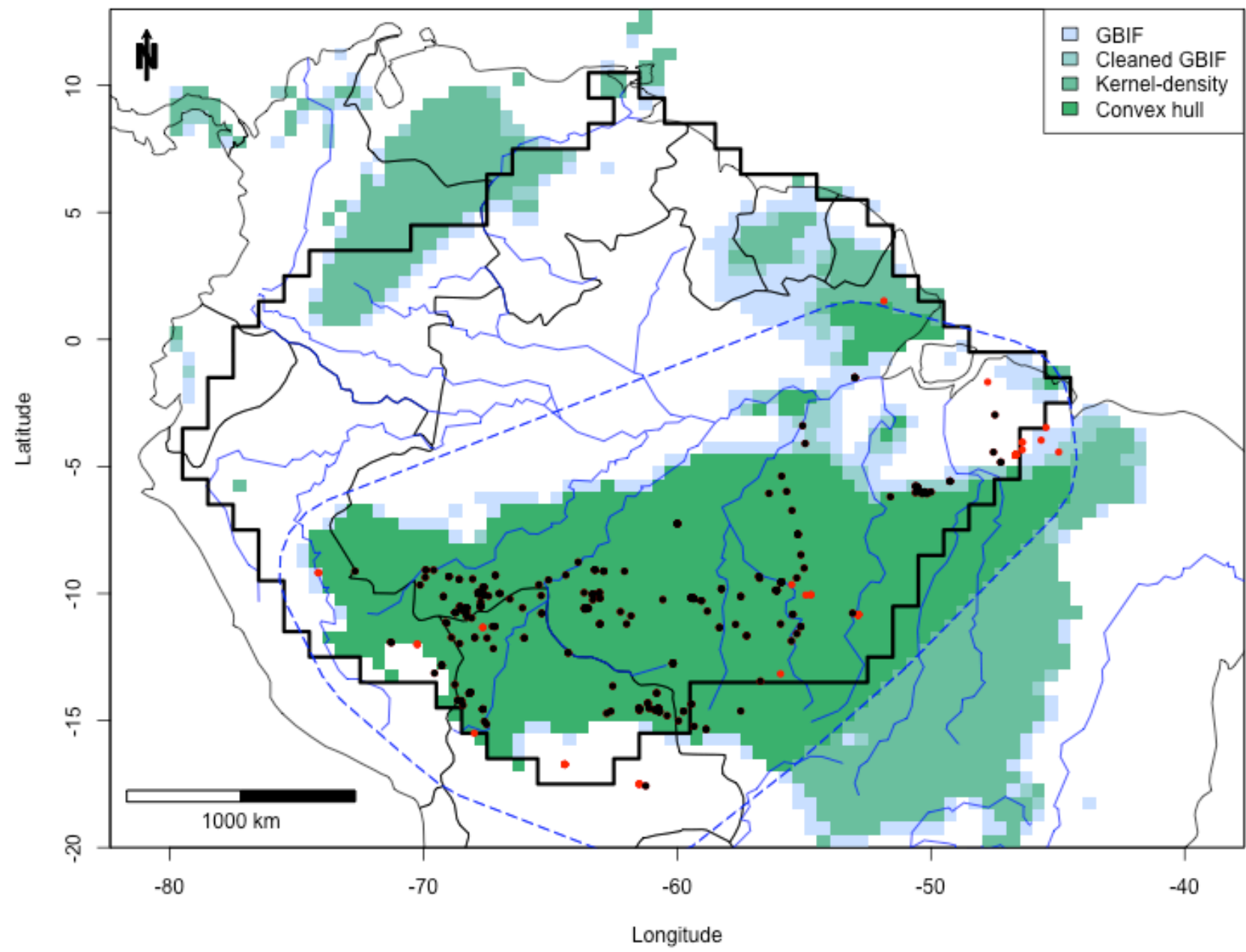
Mauritia flexuosa



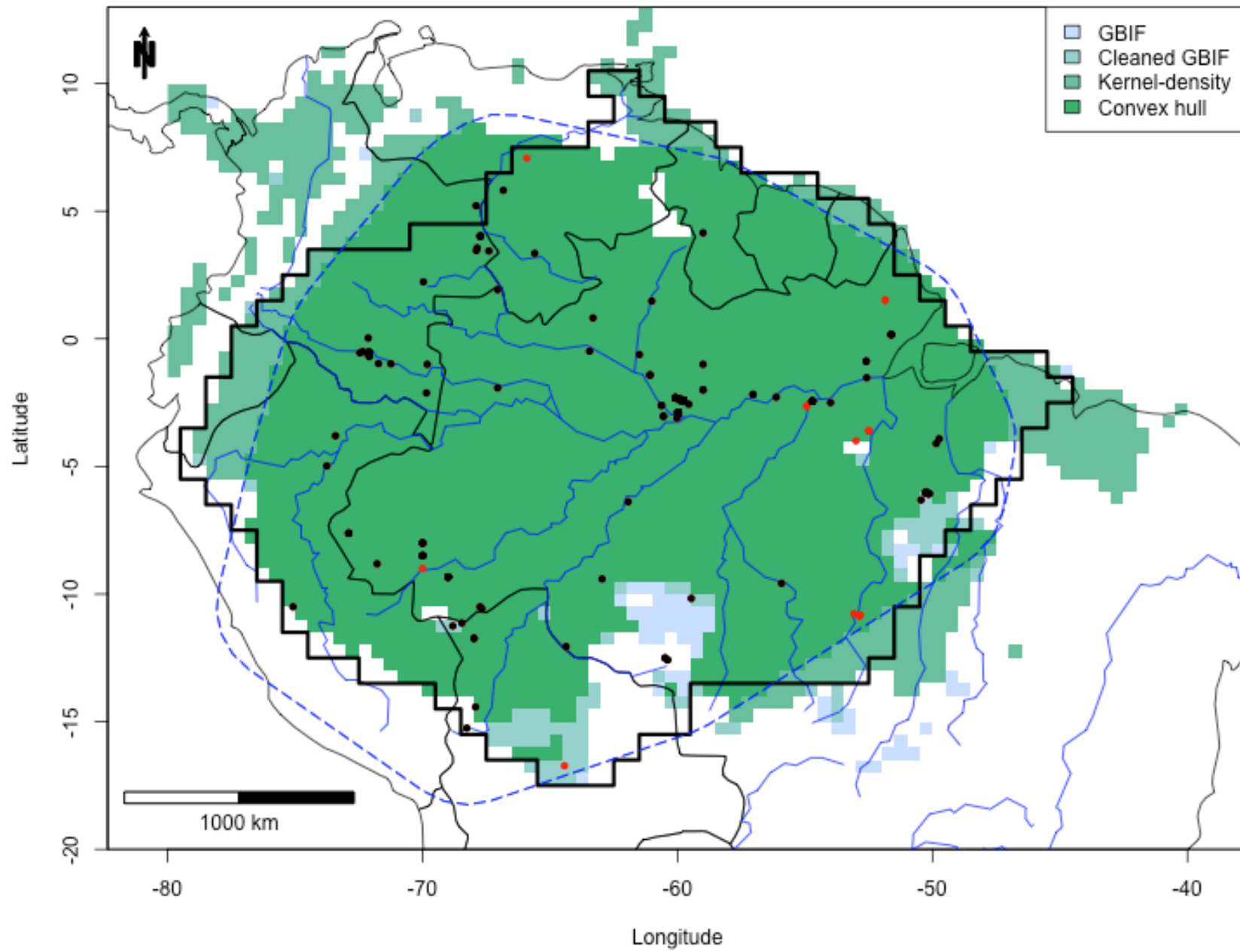
Mauritiella aculeata



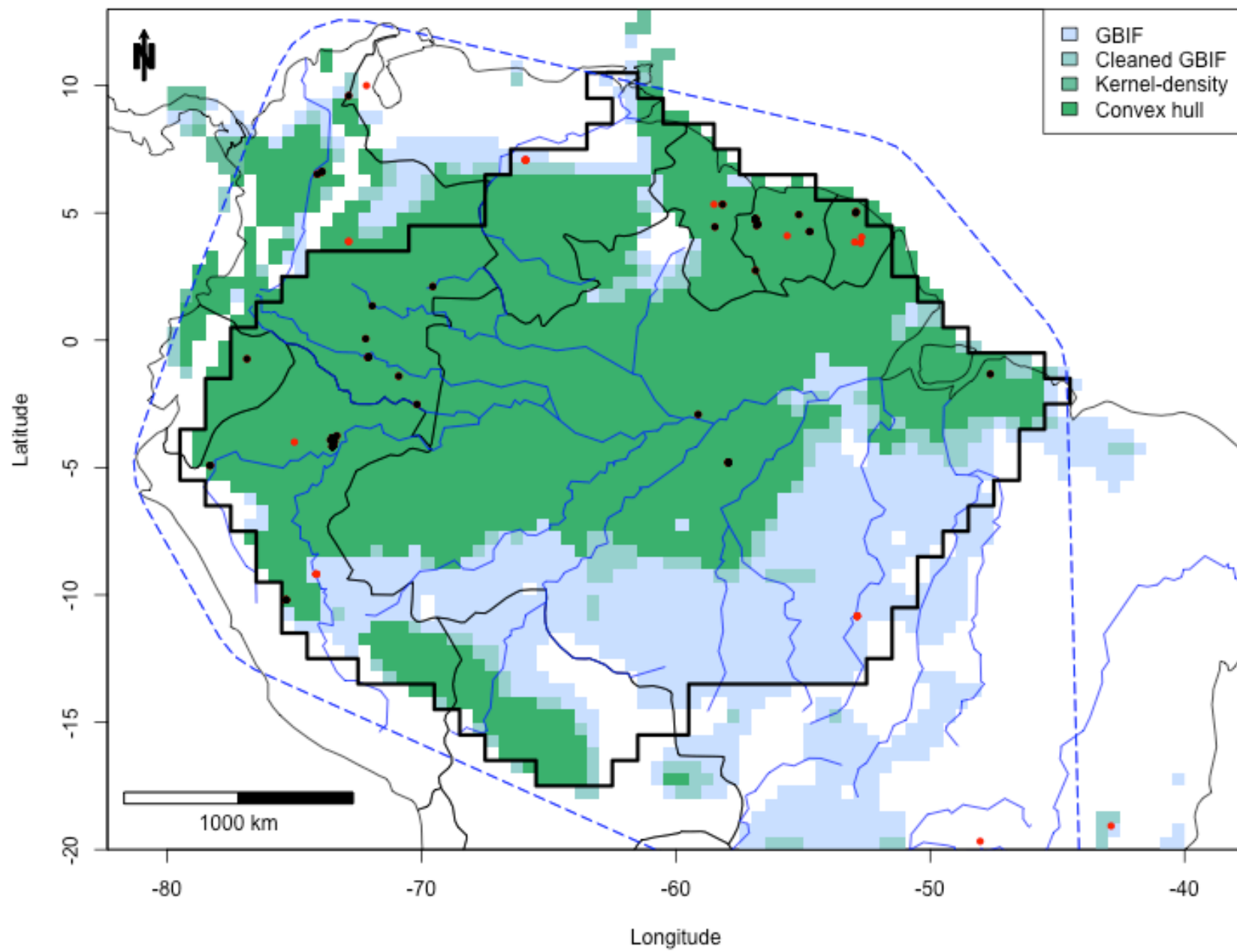
Metrodorea flavida



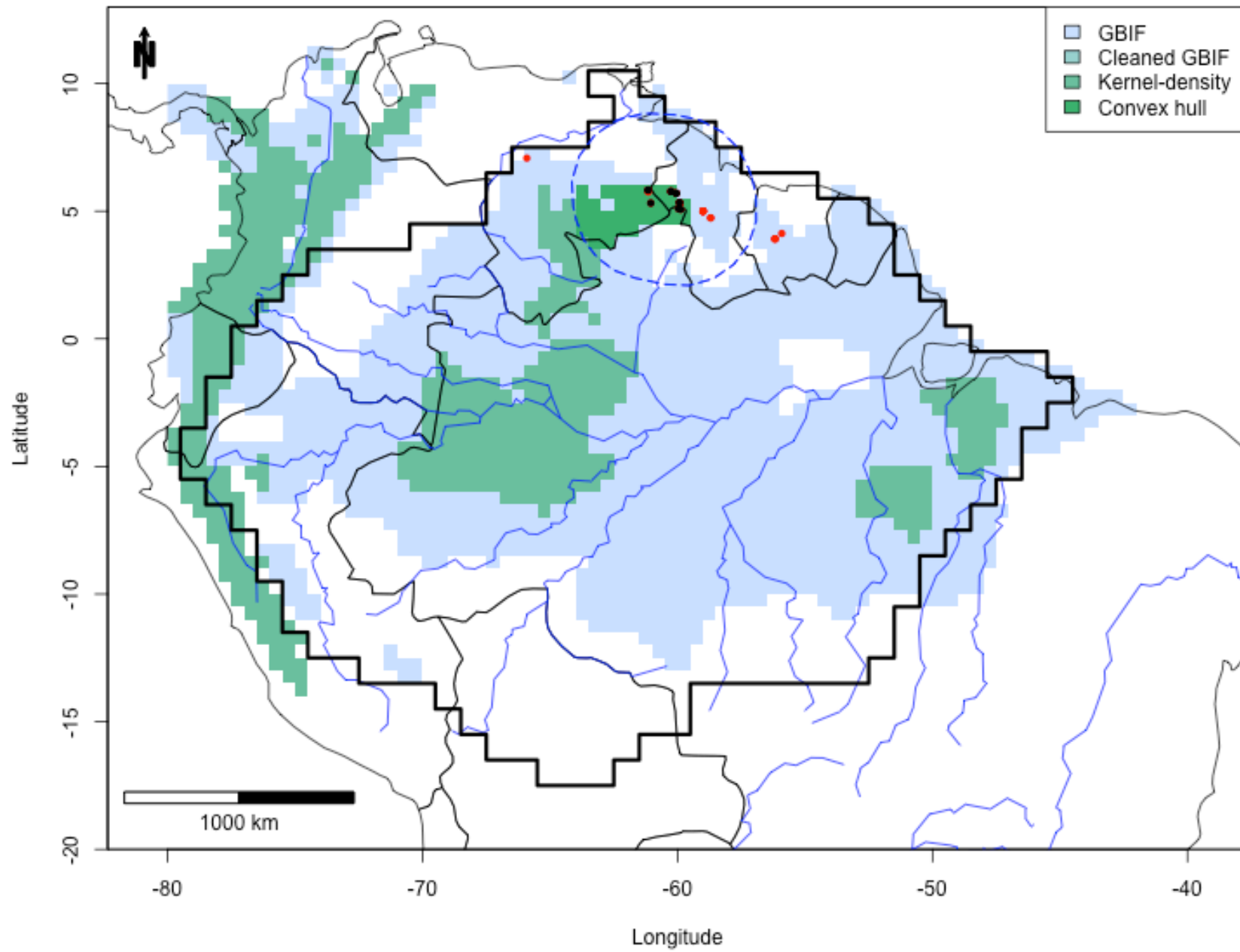
Mezilaurus itauba



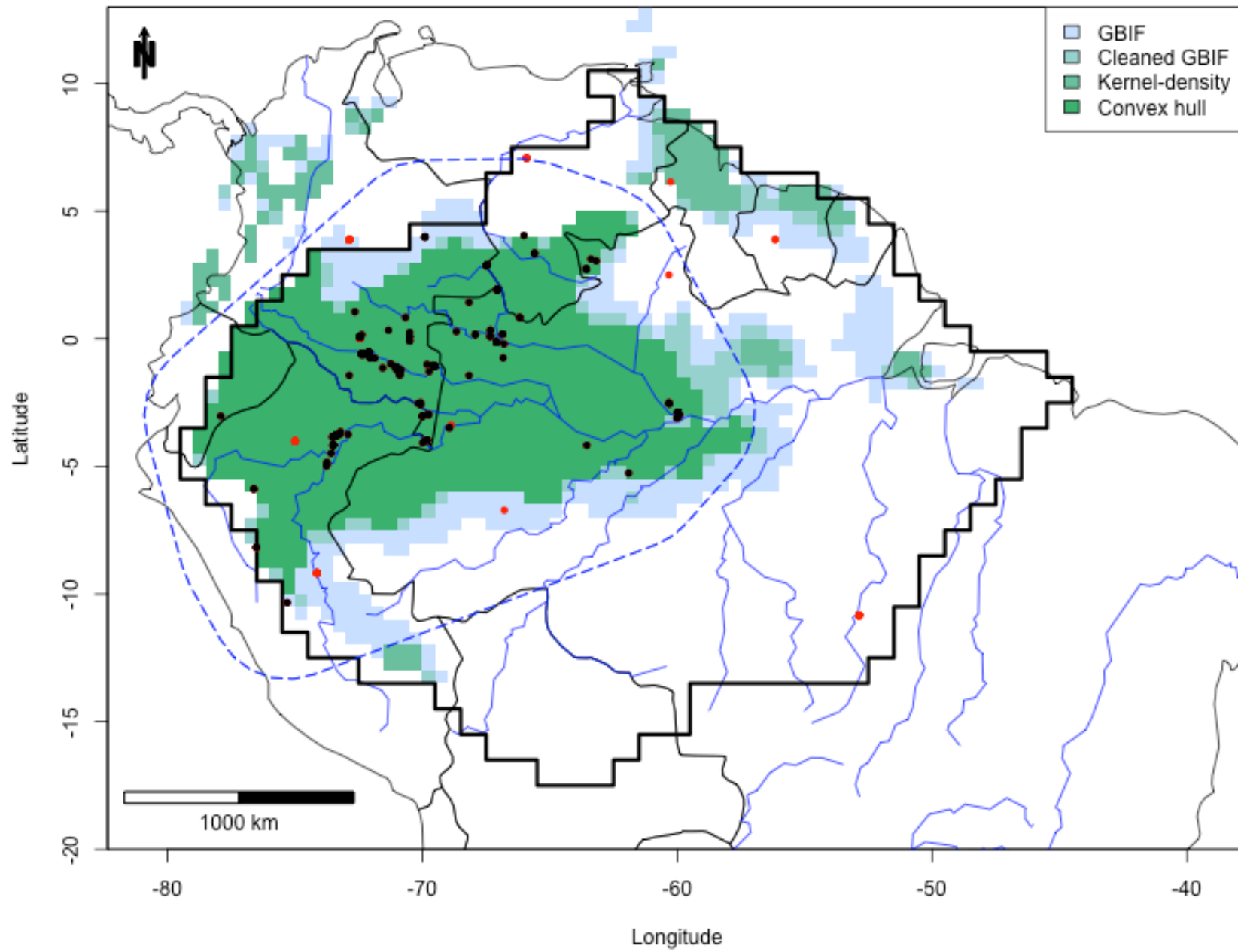
Micrandra elata



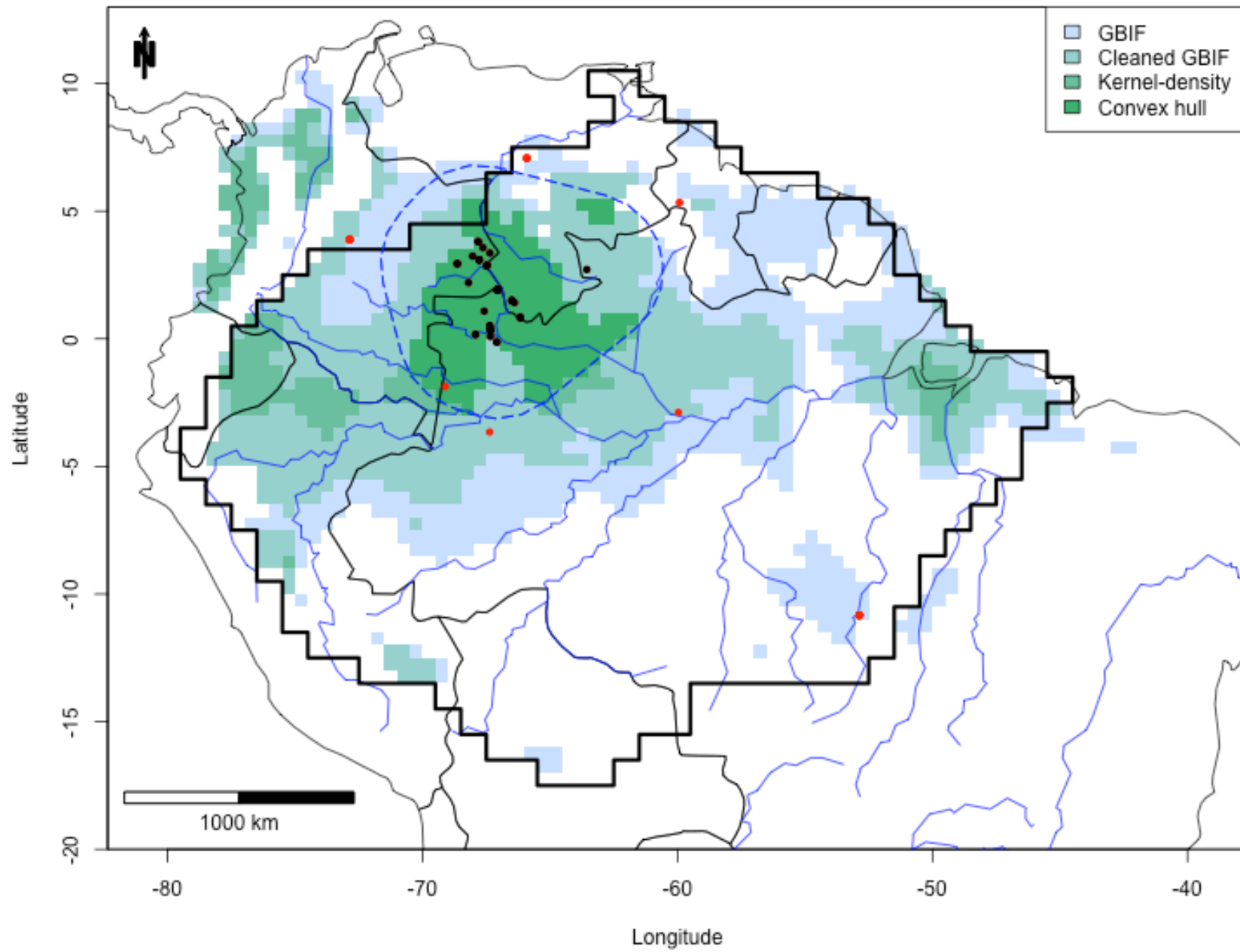
Micrandra glabra



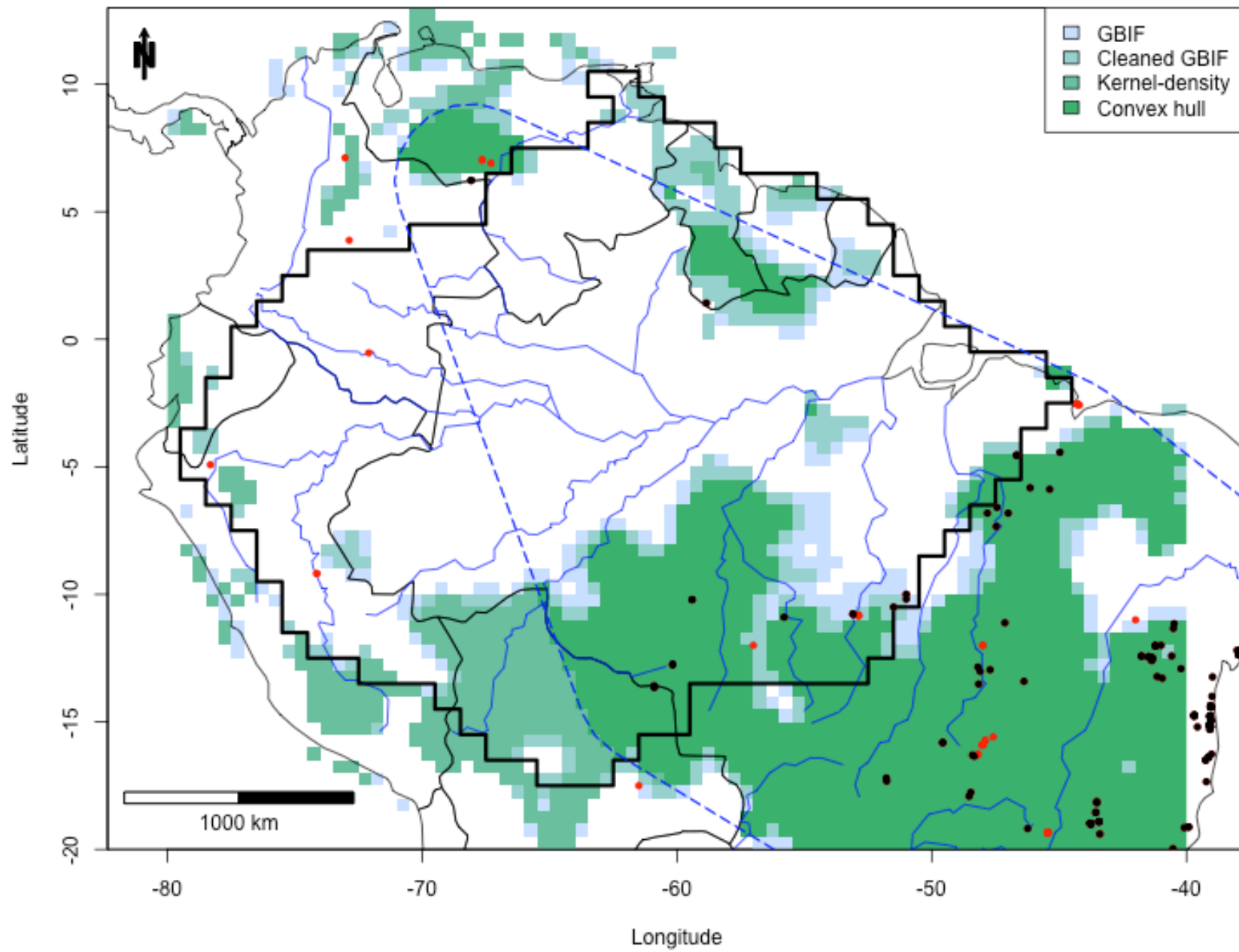
Micrandra spruceana



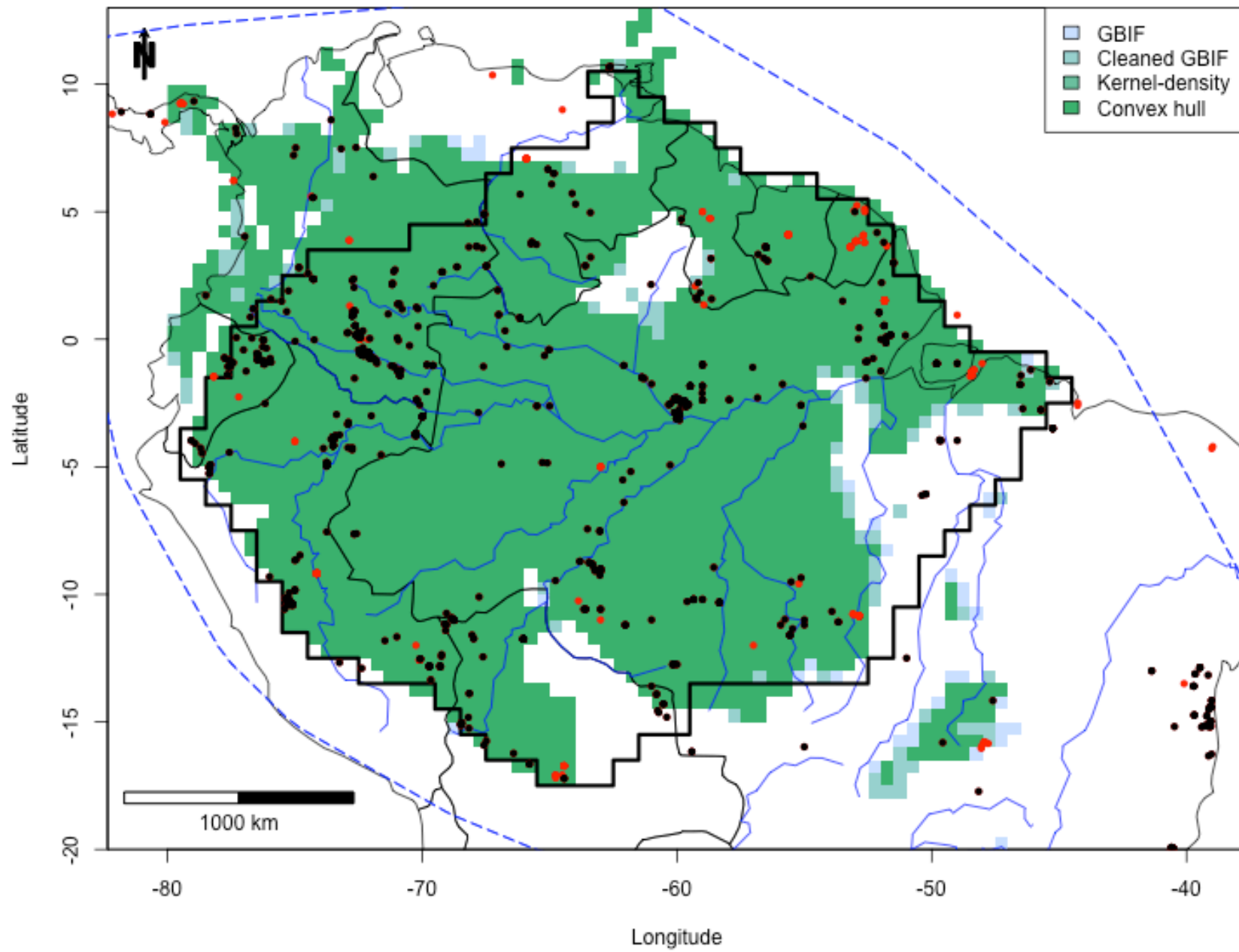
Micrandra sprucei



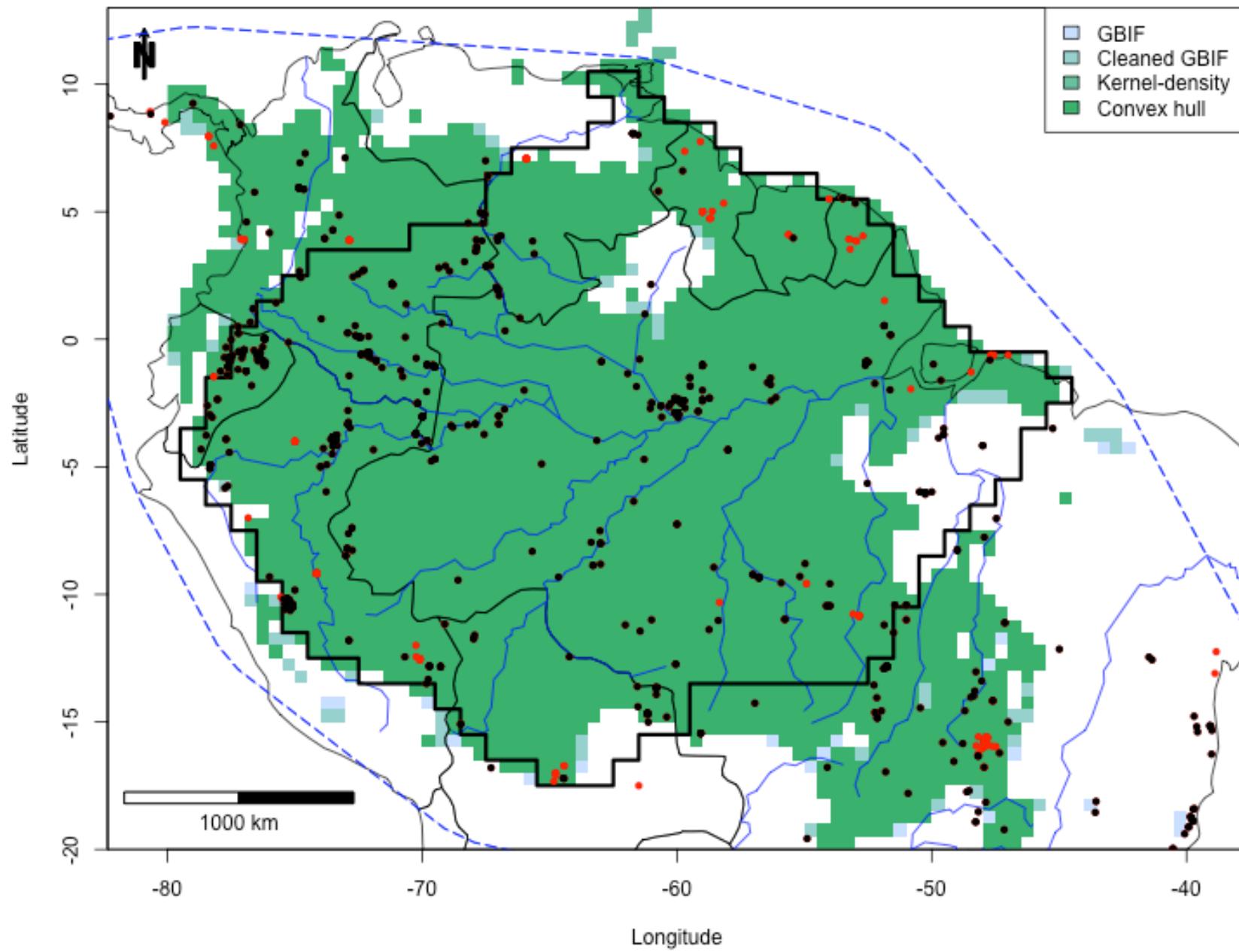
Micropholis gardneriana



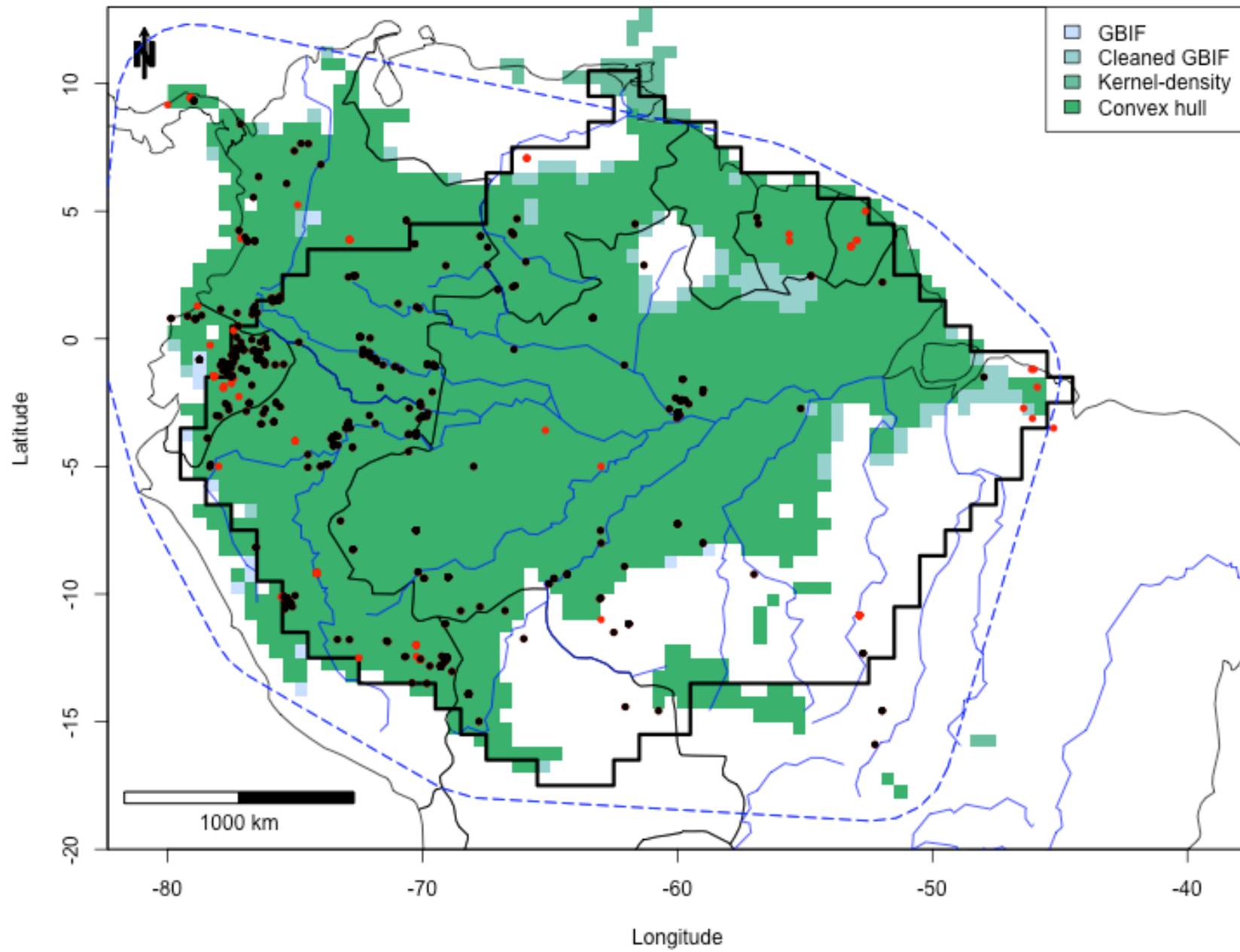
Micropholis guyanensis



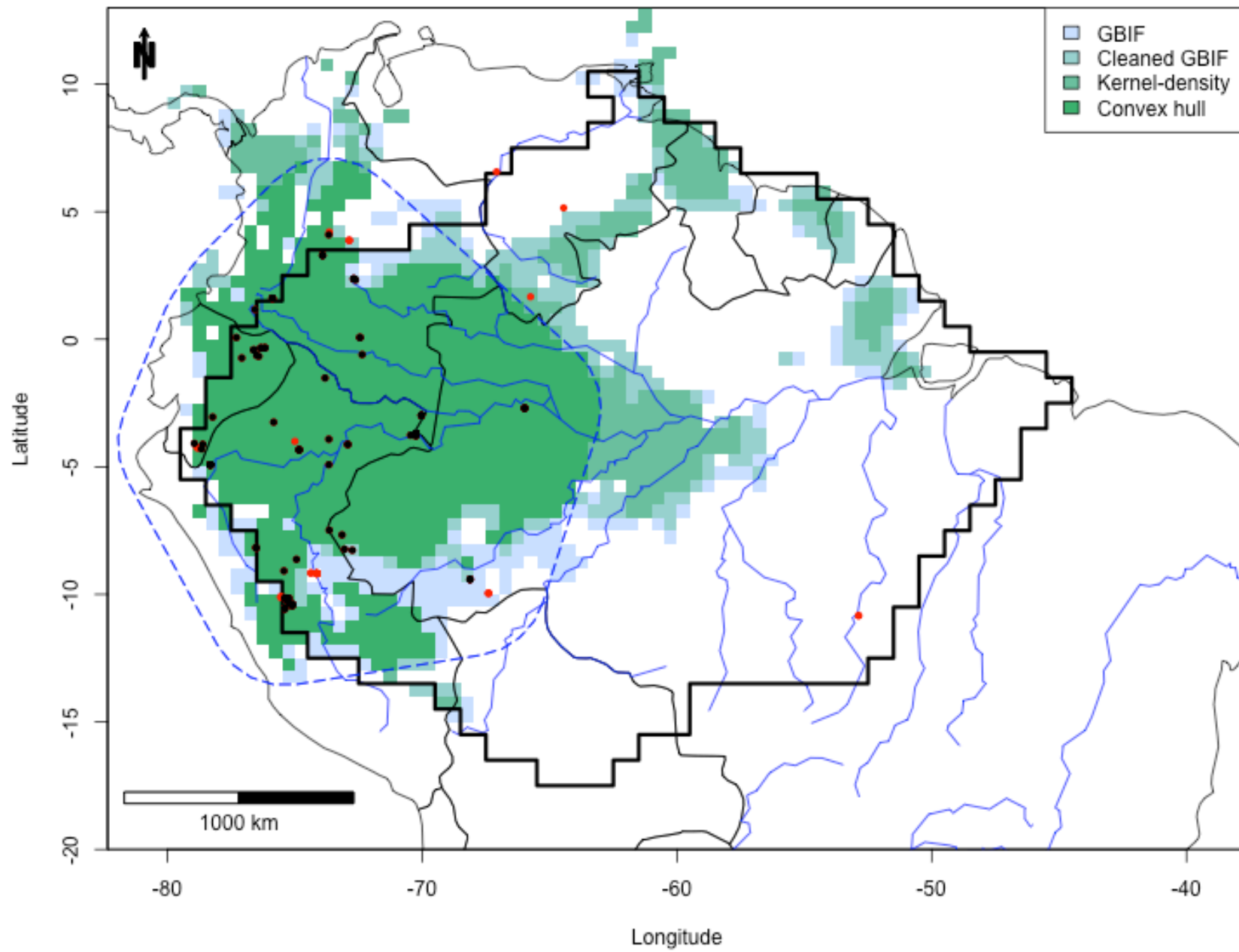
Micropholis venulosa



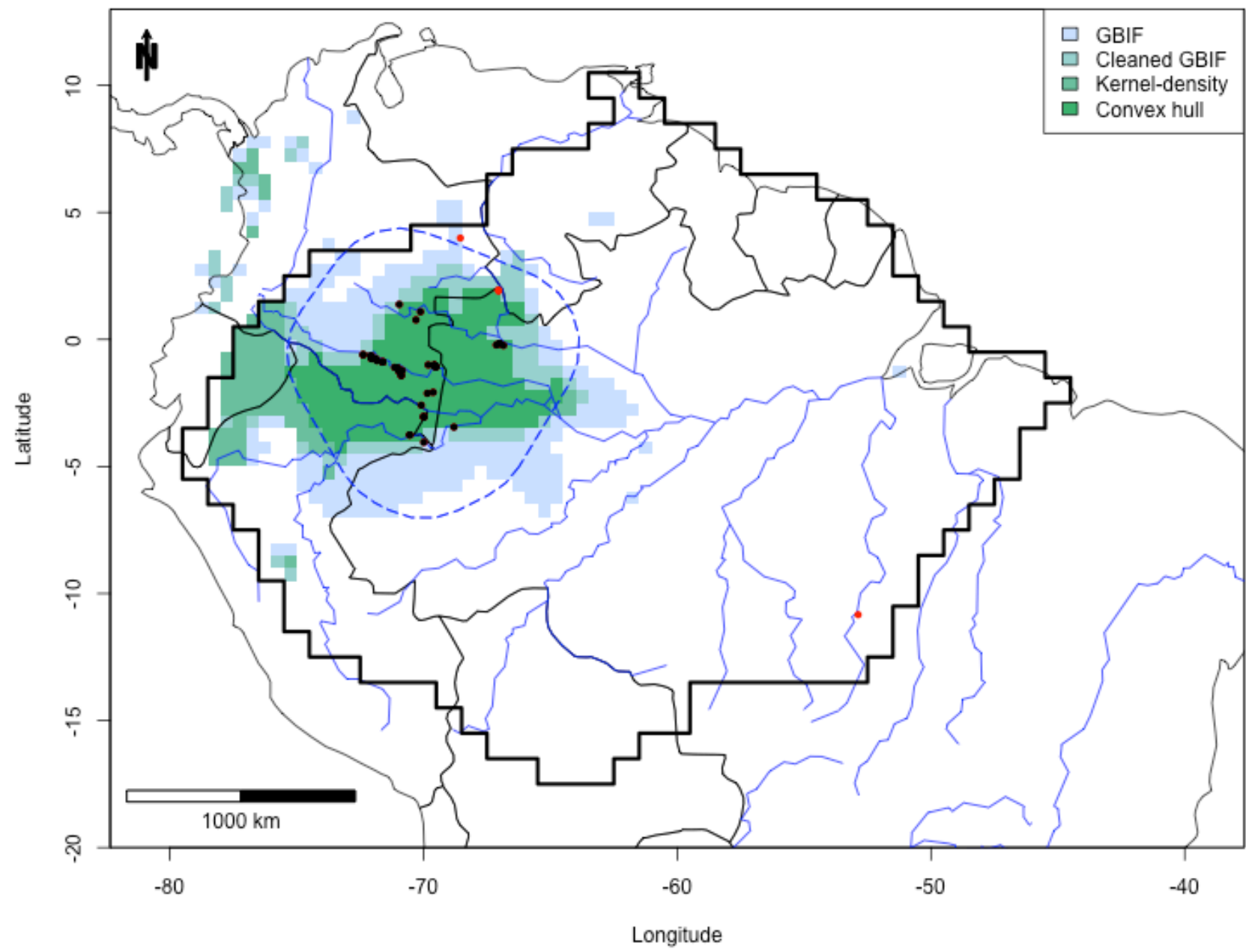
Minquartia guianensis



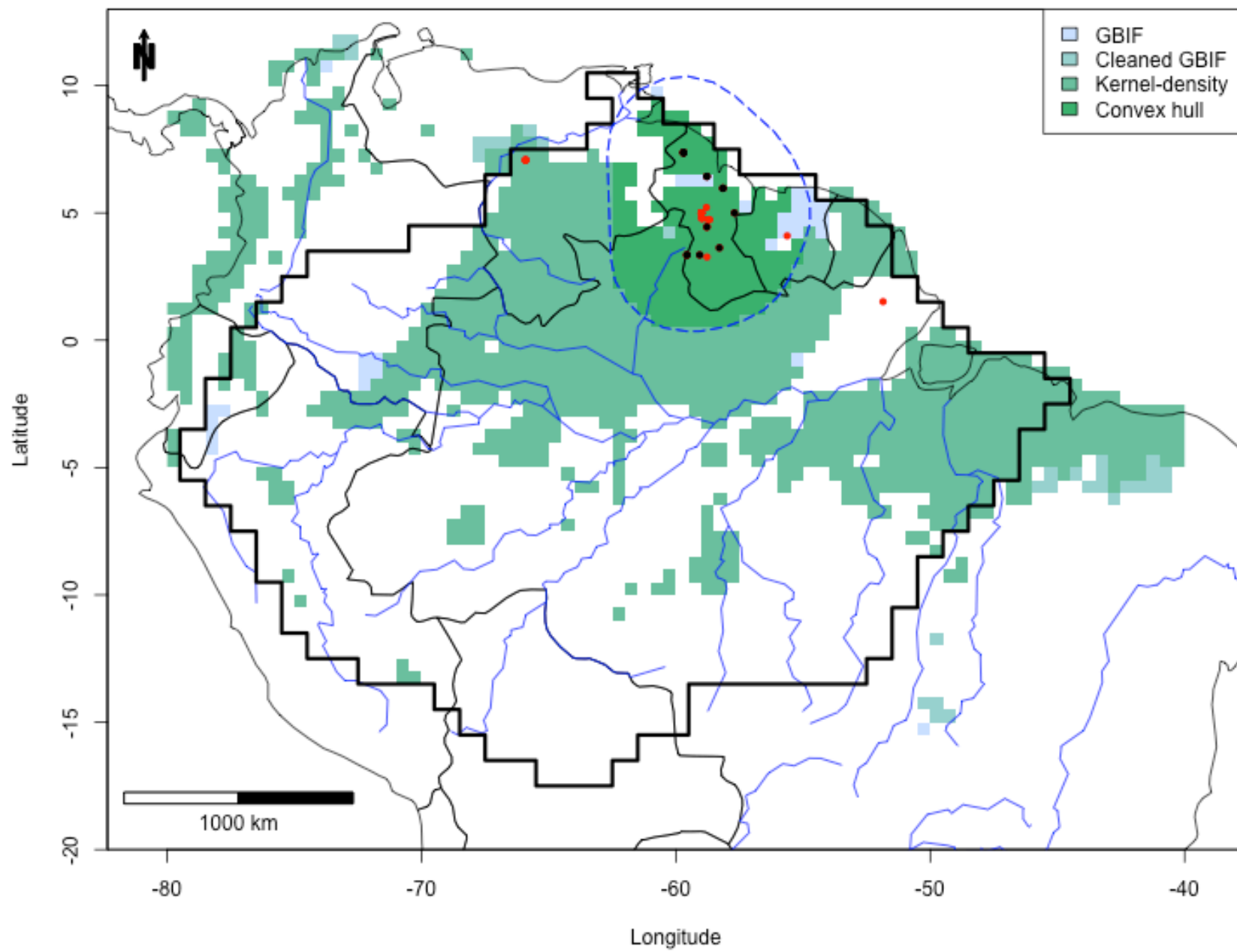
Mollia gracilis



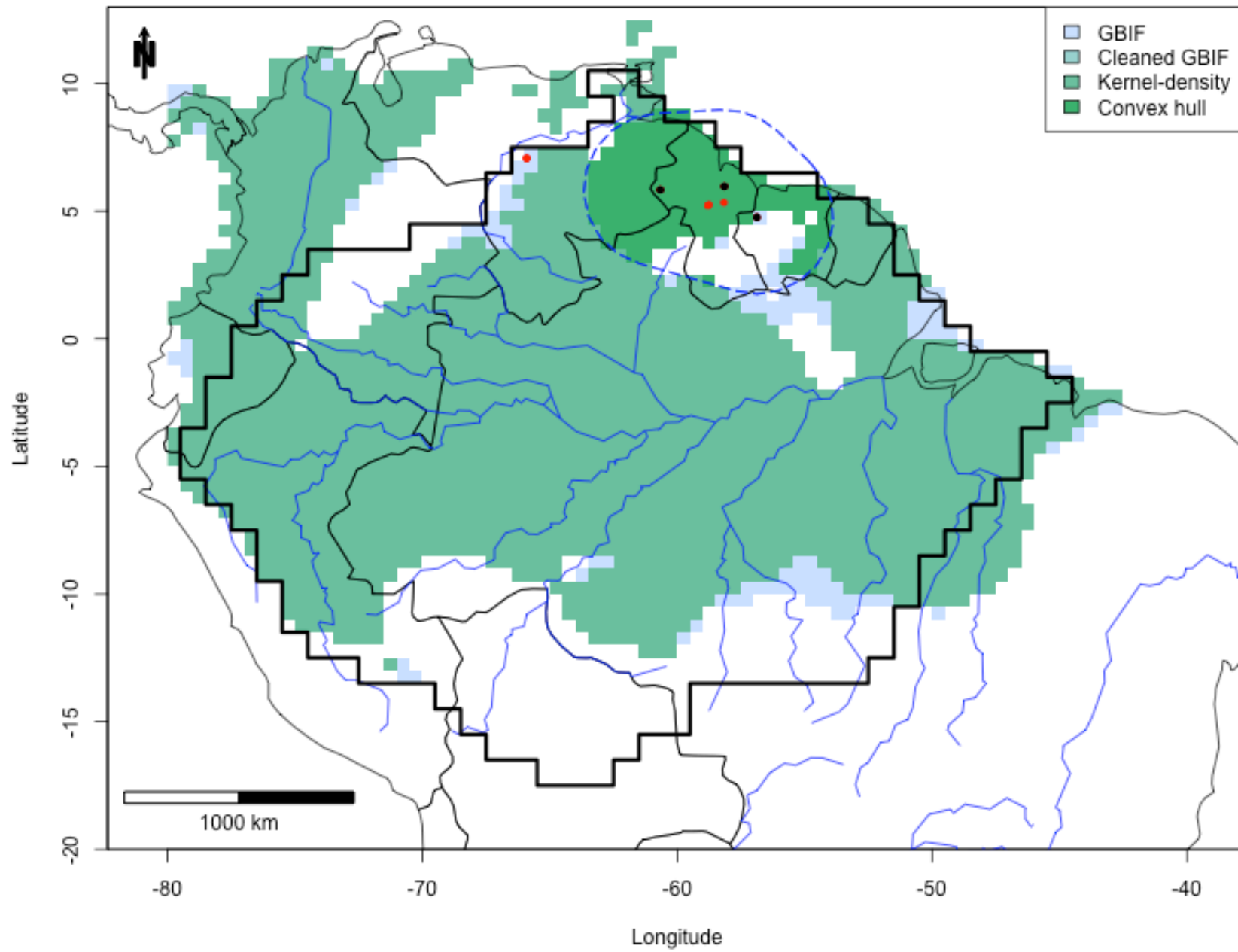
Monopteryx uaucu



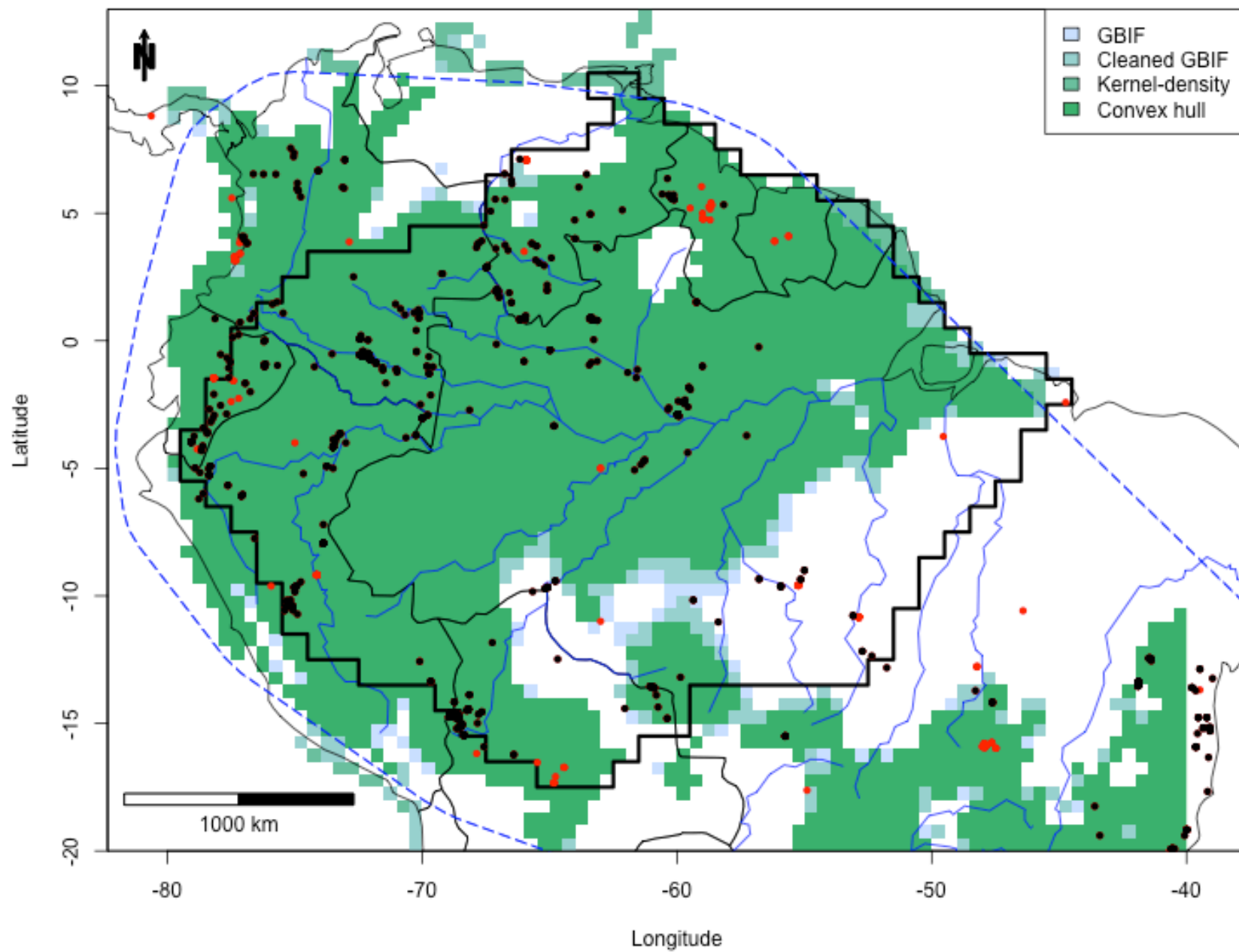
Mora excelsa



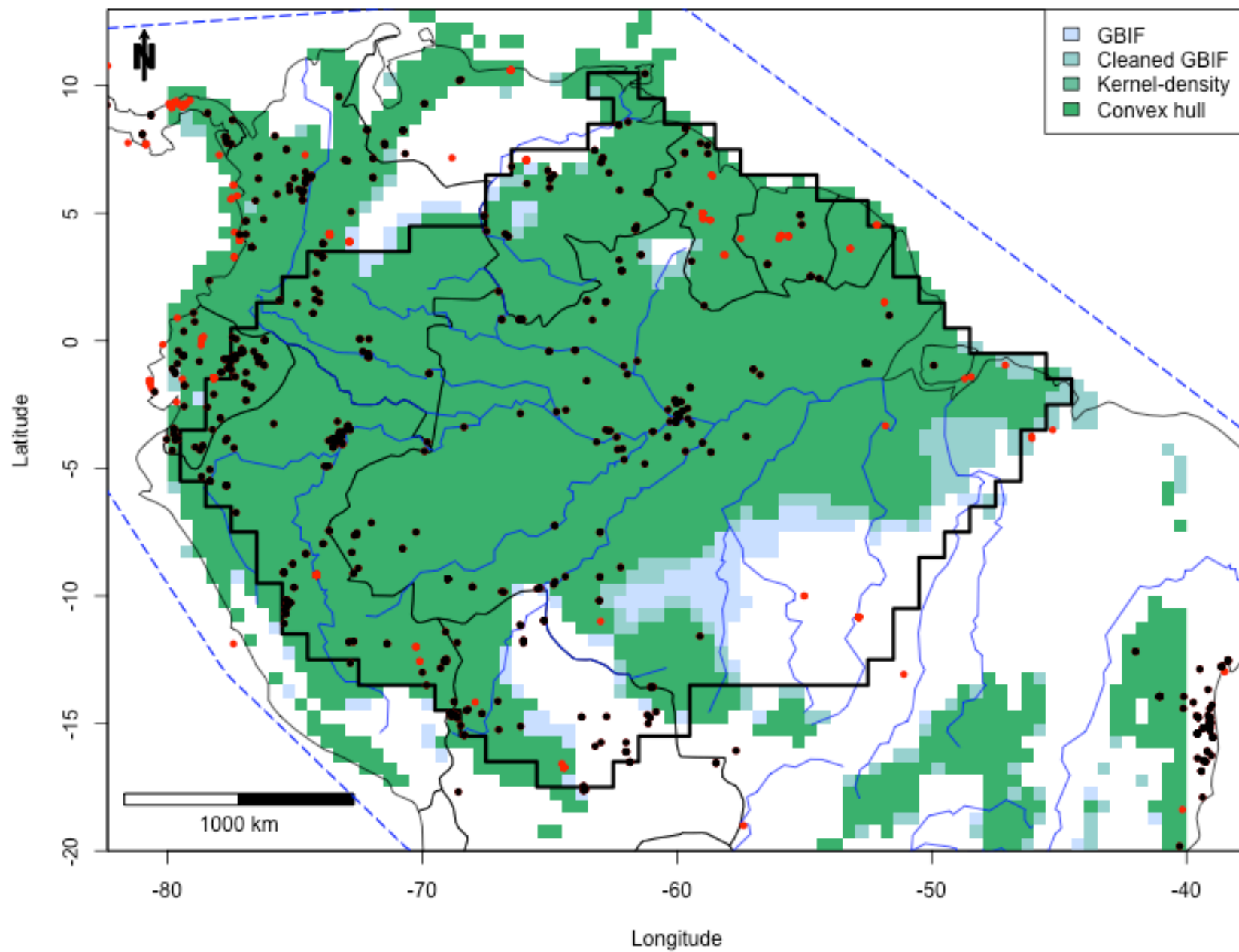
Mora gonggripii



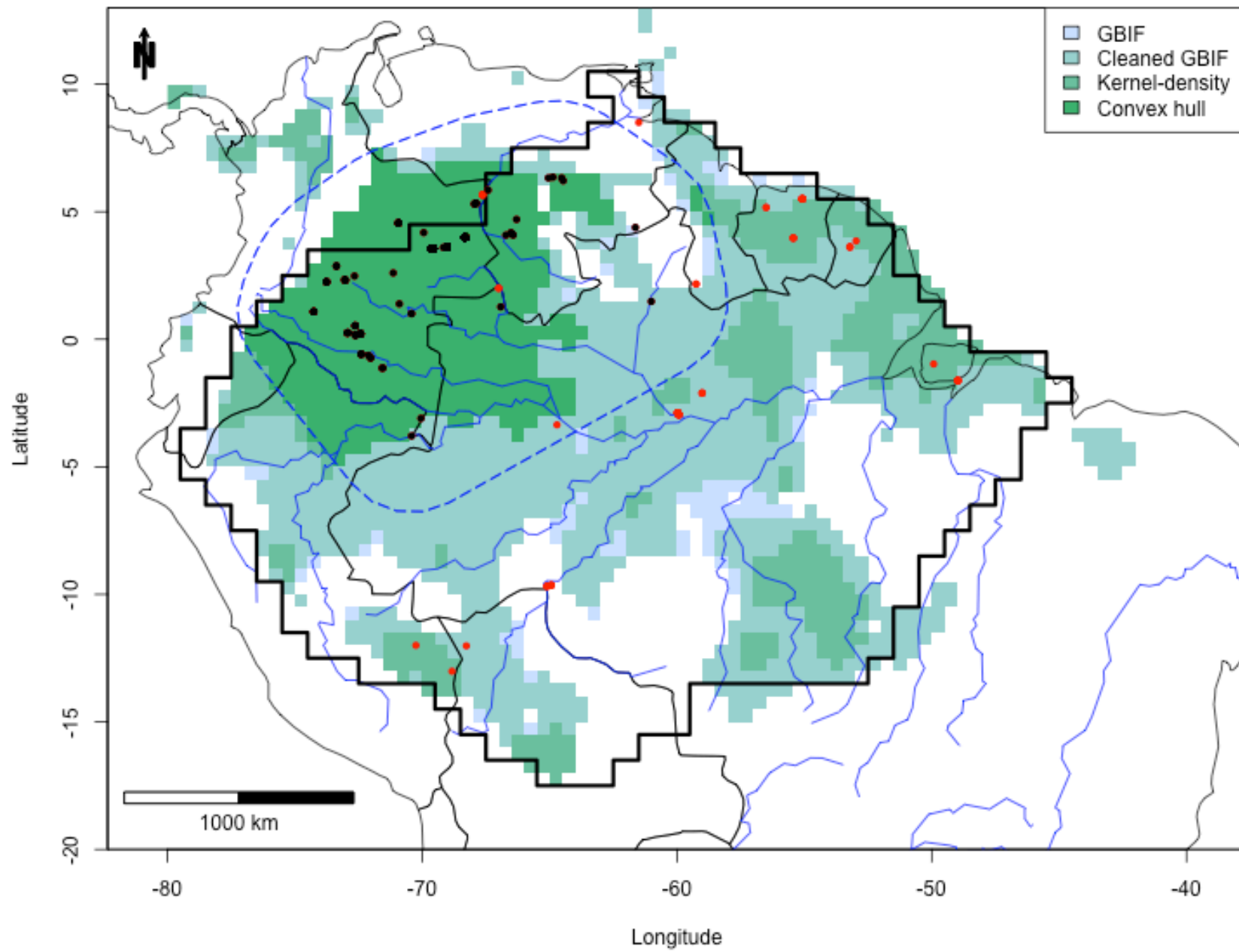
Ocotea aciphylla



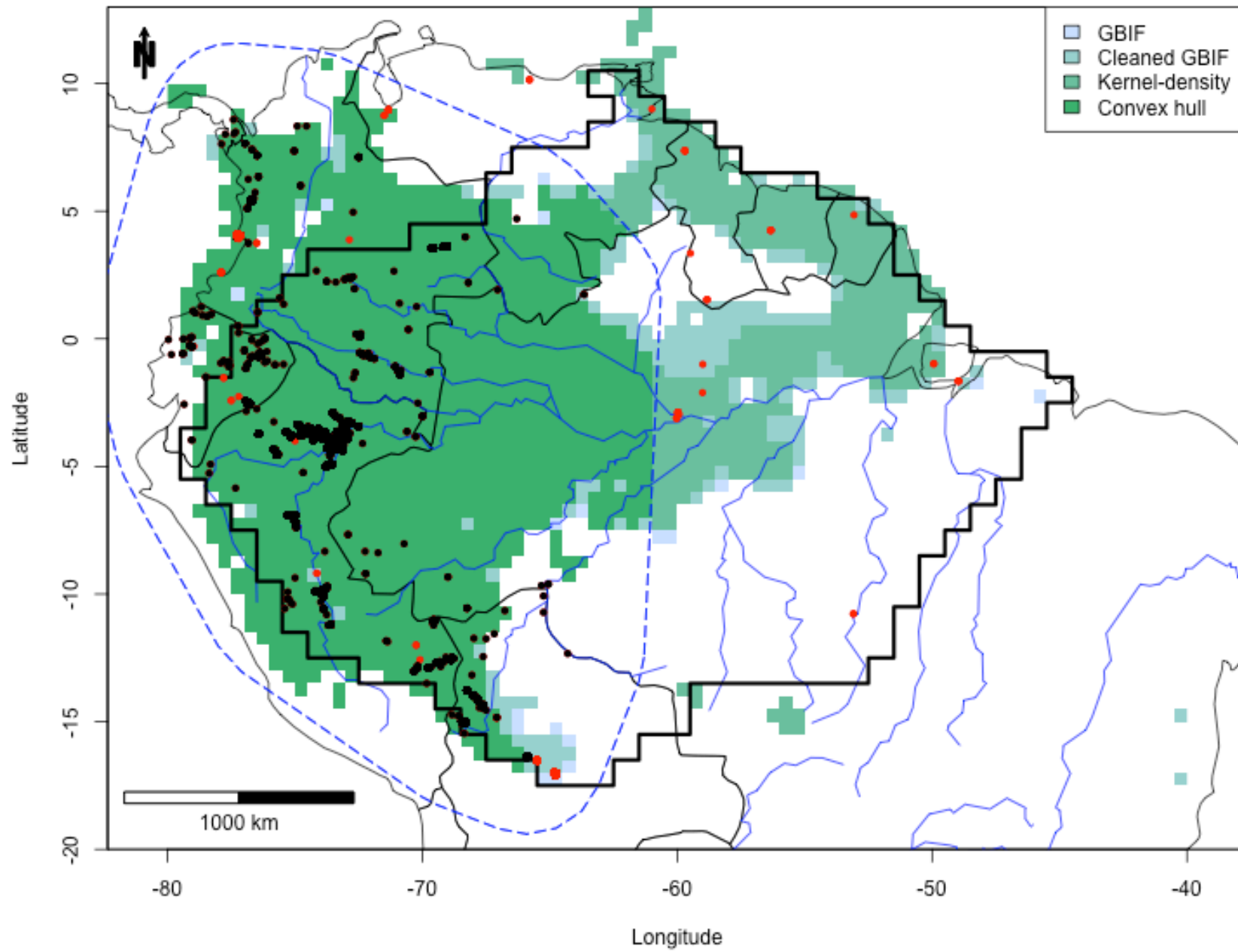
Ocotea cernua



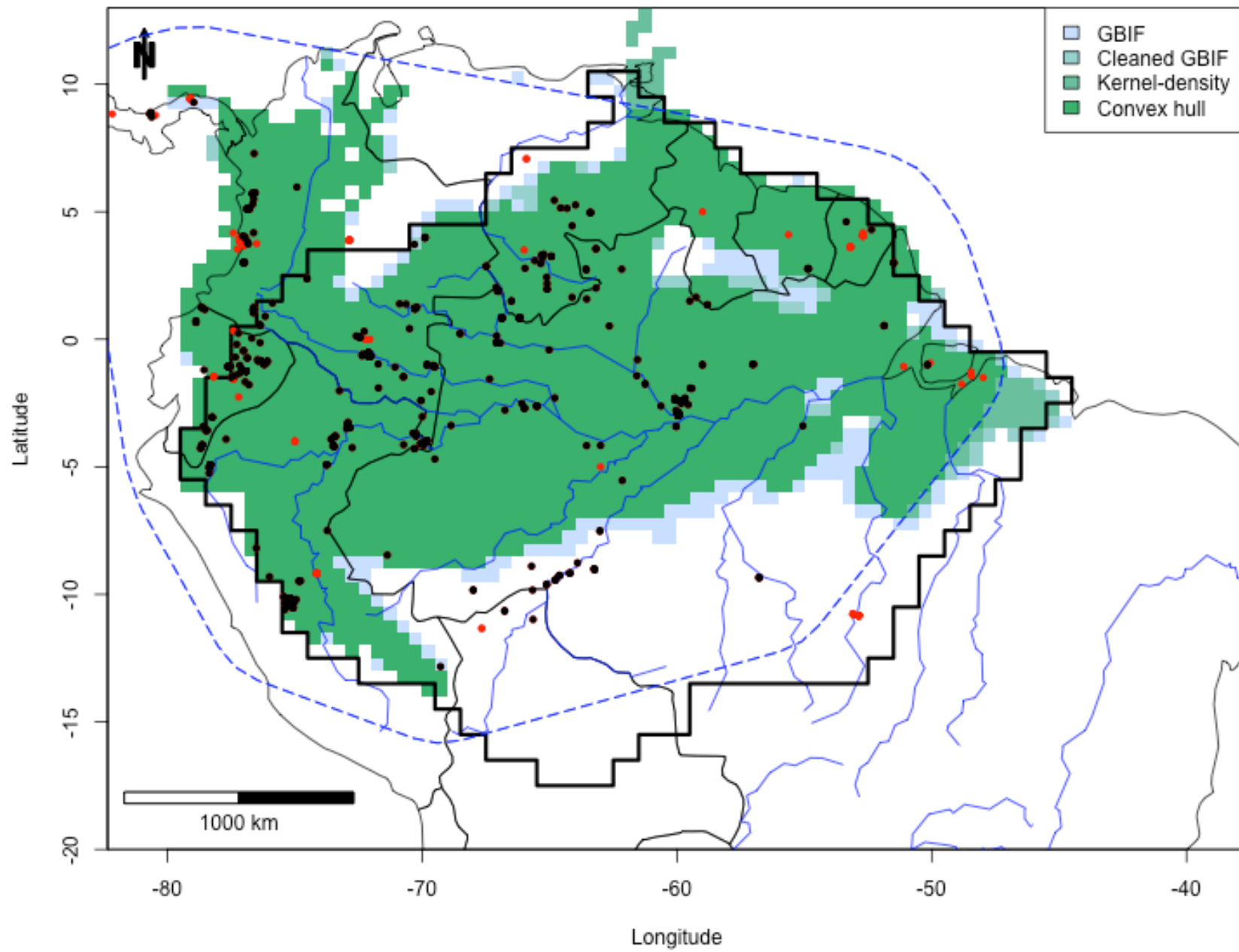
Oenocarpus bacaba



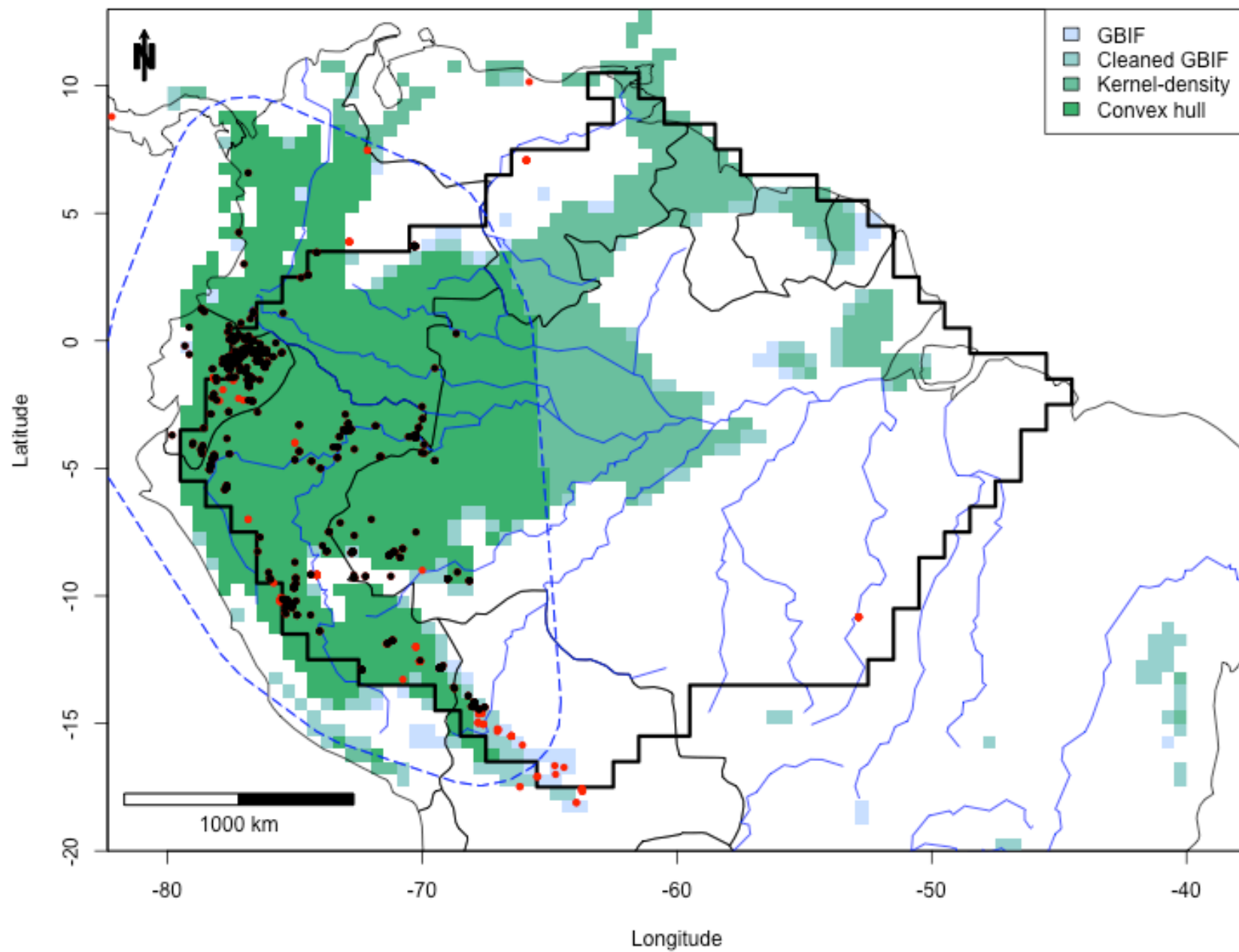
Oenocarpus bataua



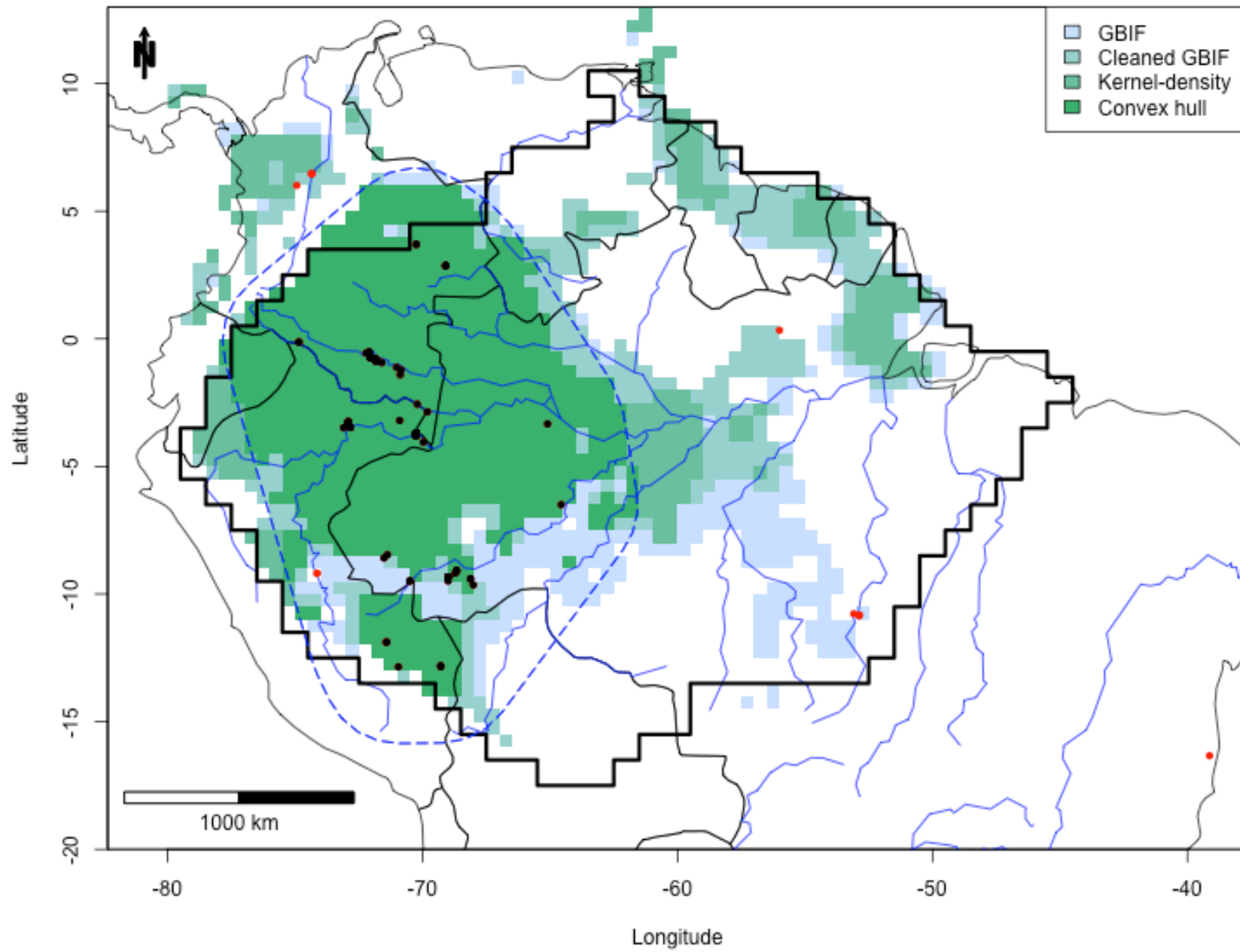
Osteophloeum platyspermum



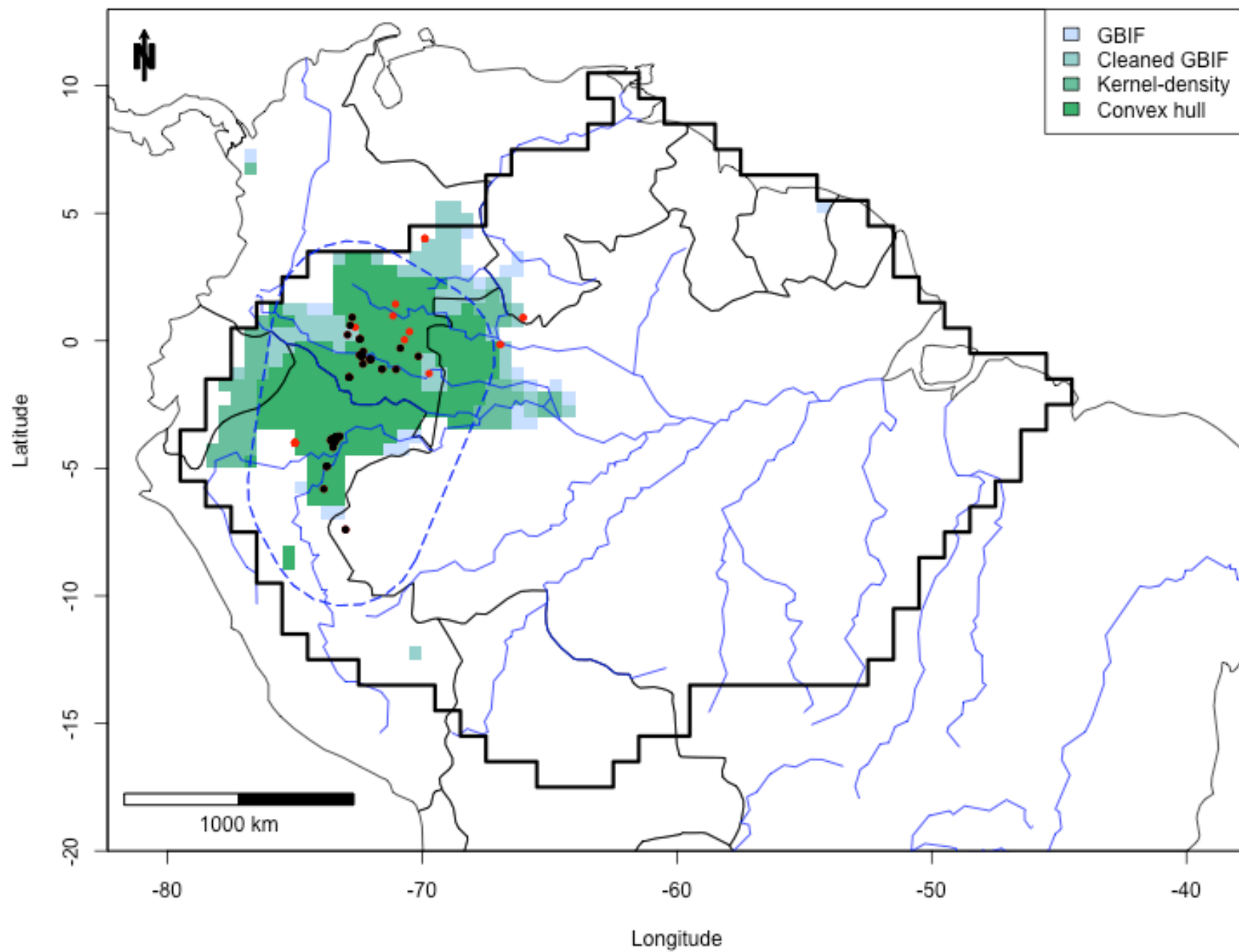
Otoba parvifolia



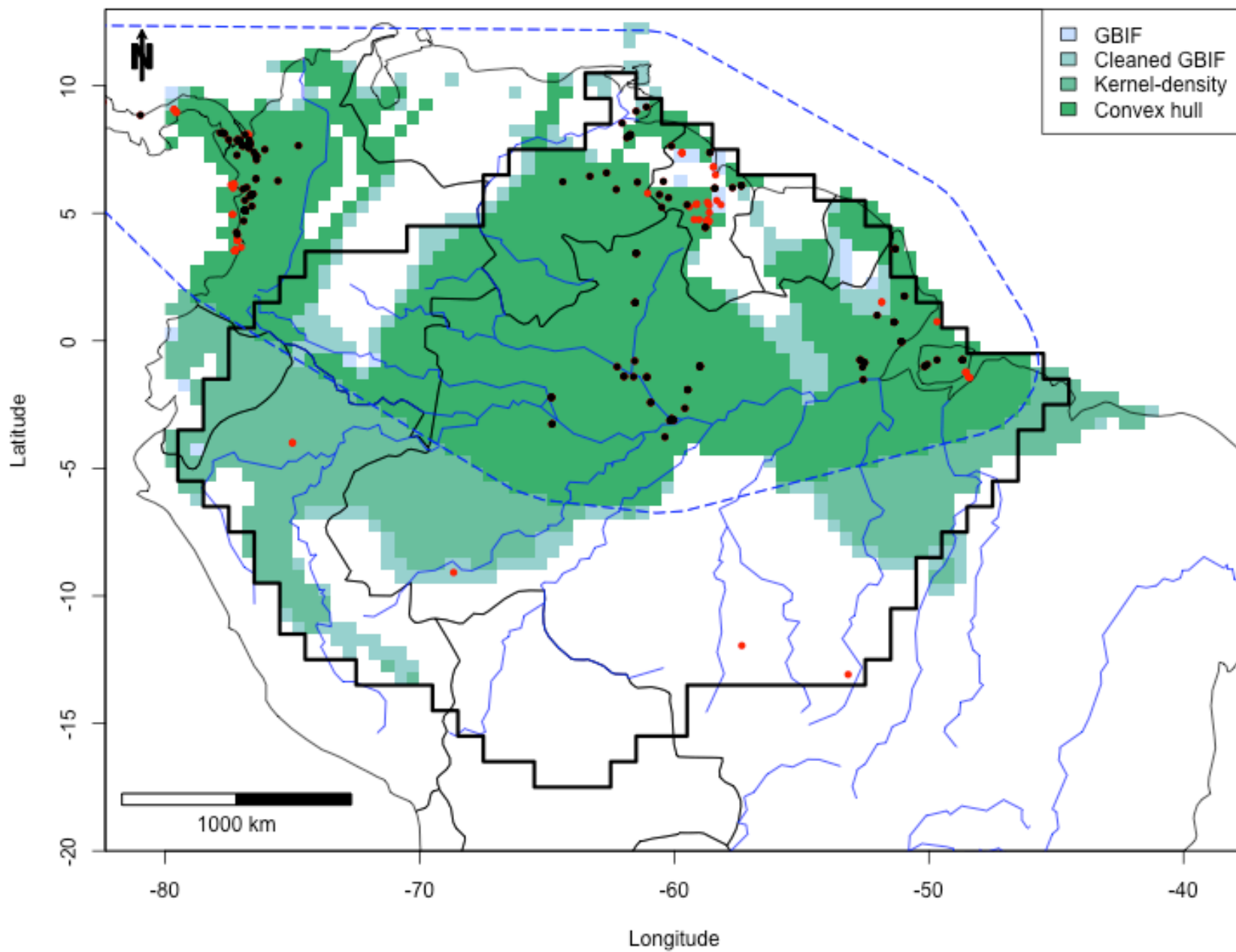
Oxandra polyantha



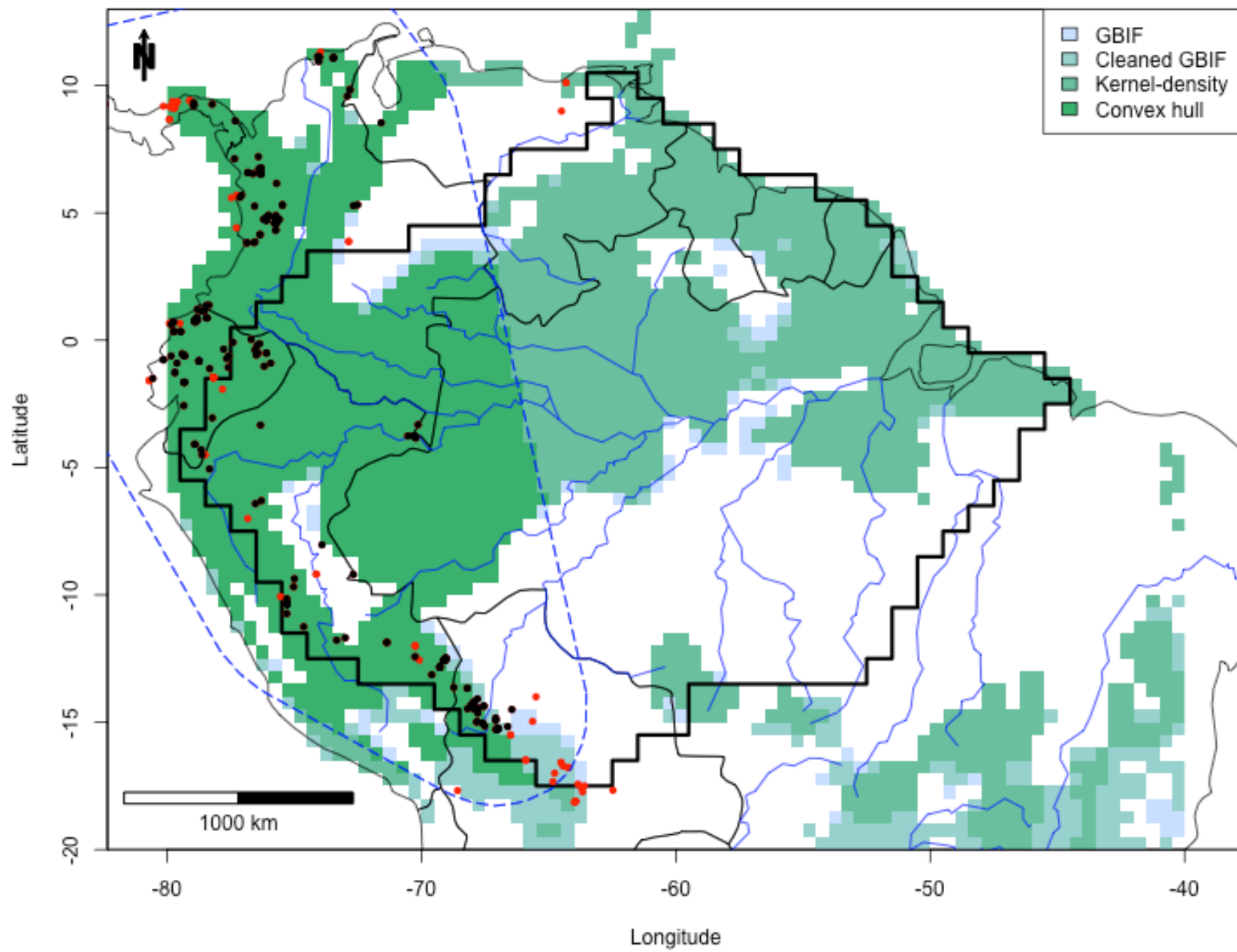
Pachira brevipes



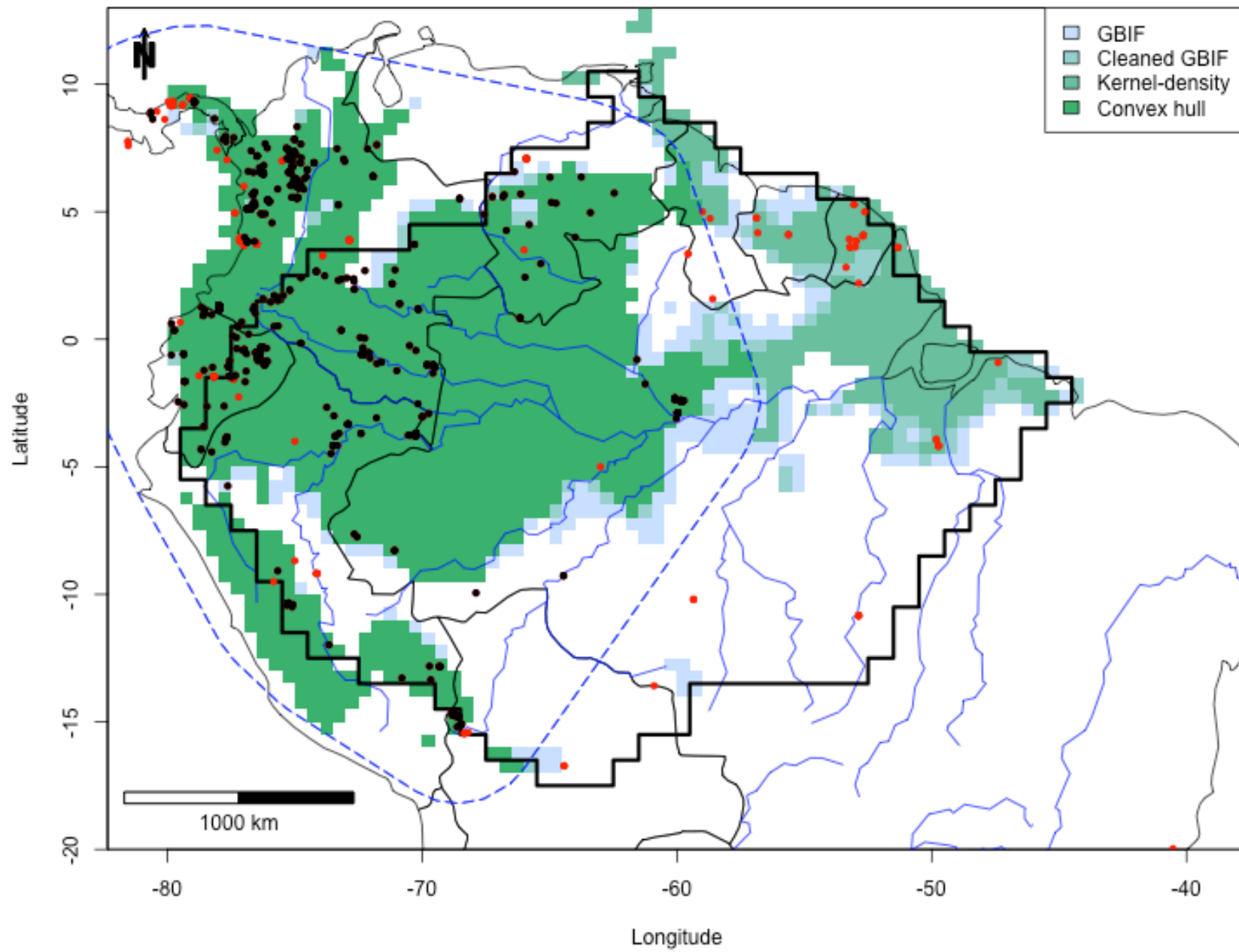
Pentaclethra macroloba



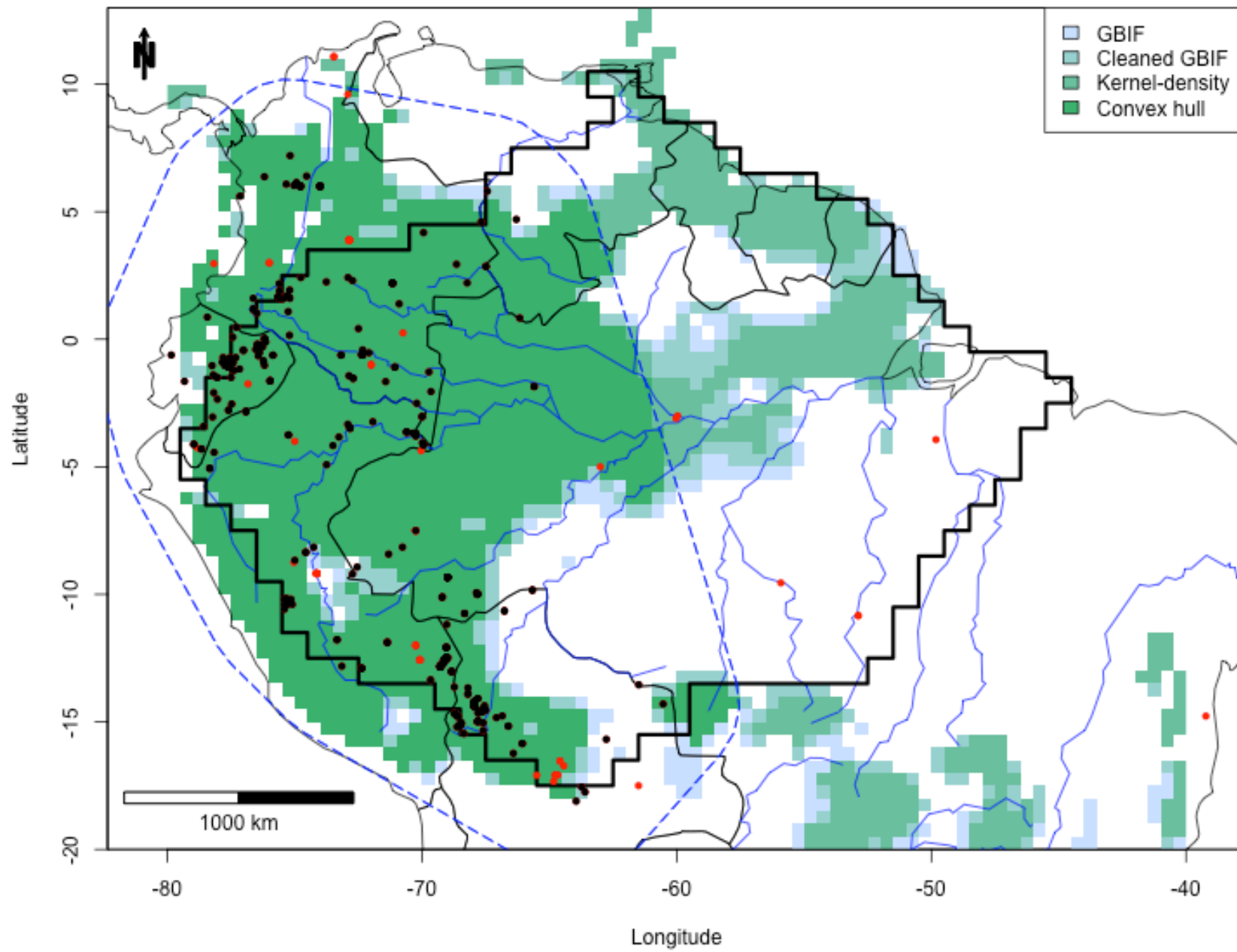
Poulsenia armata



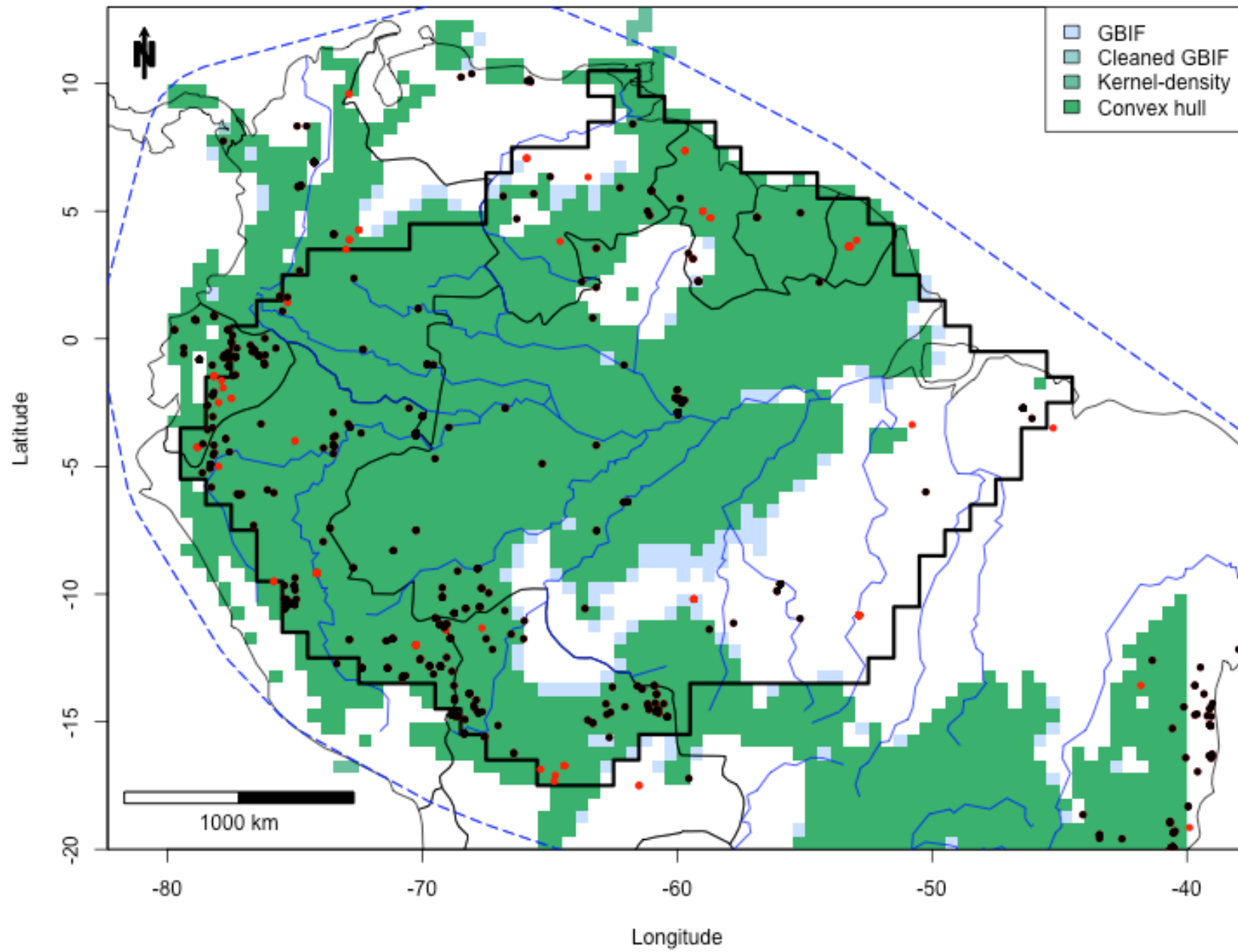
Pourouma bicolor



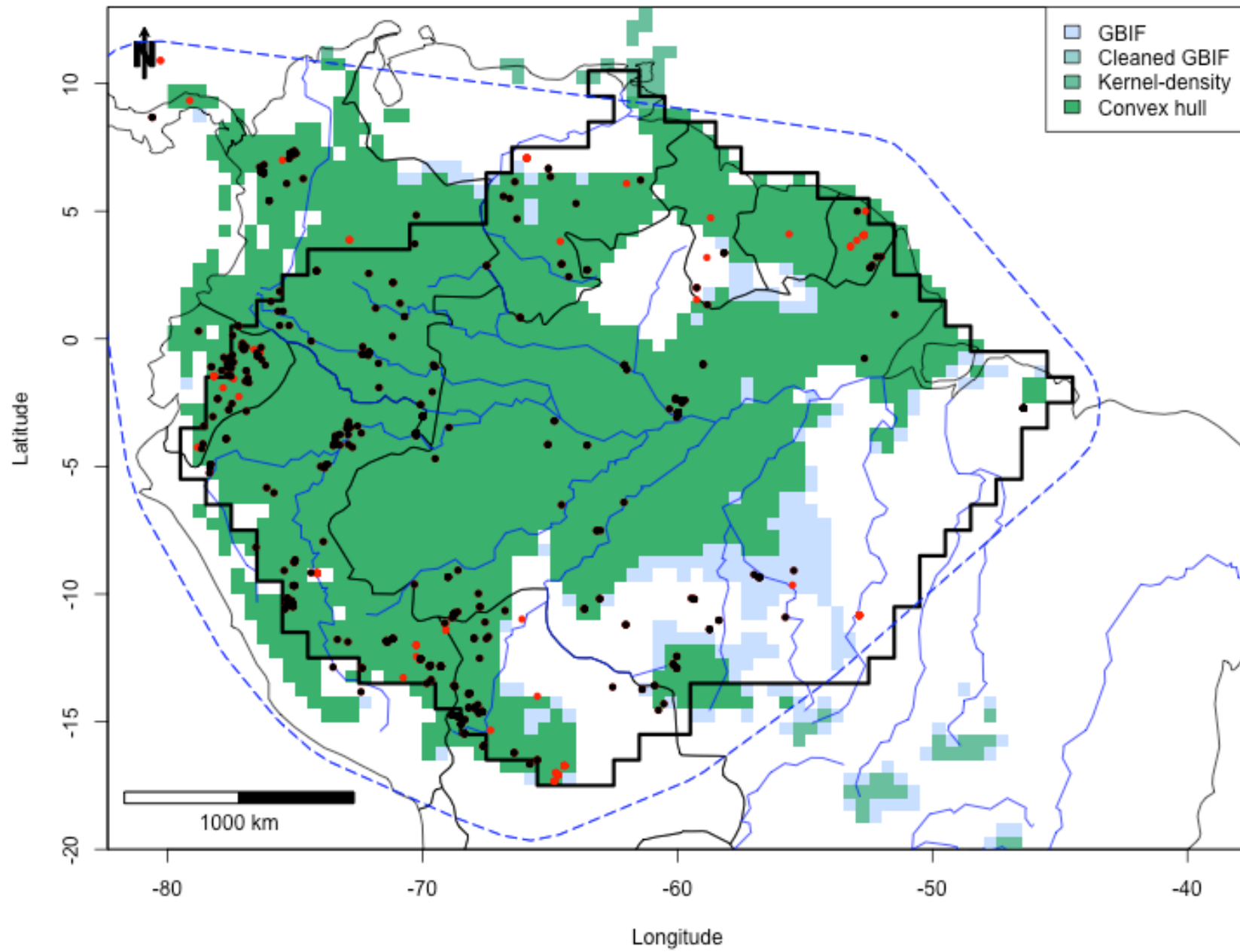
Pourouma cecropiifolia



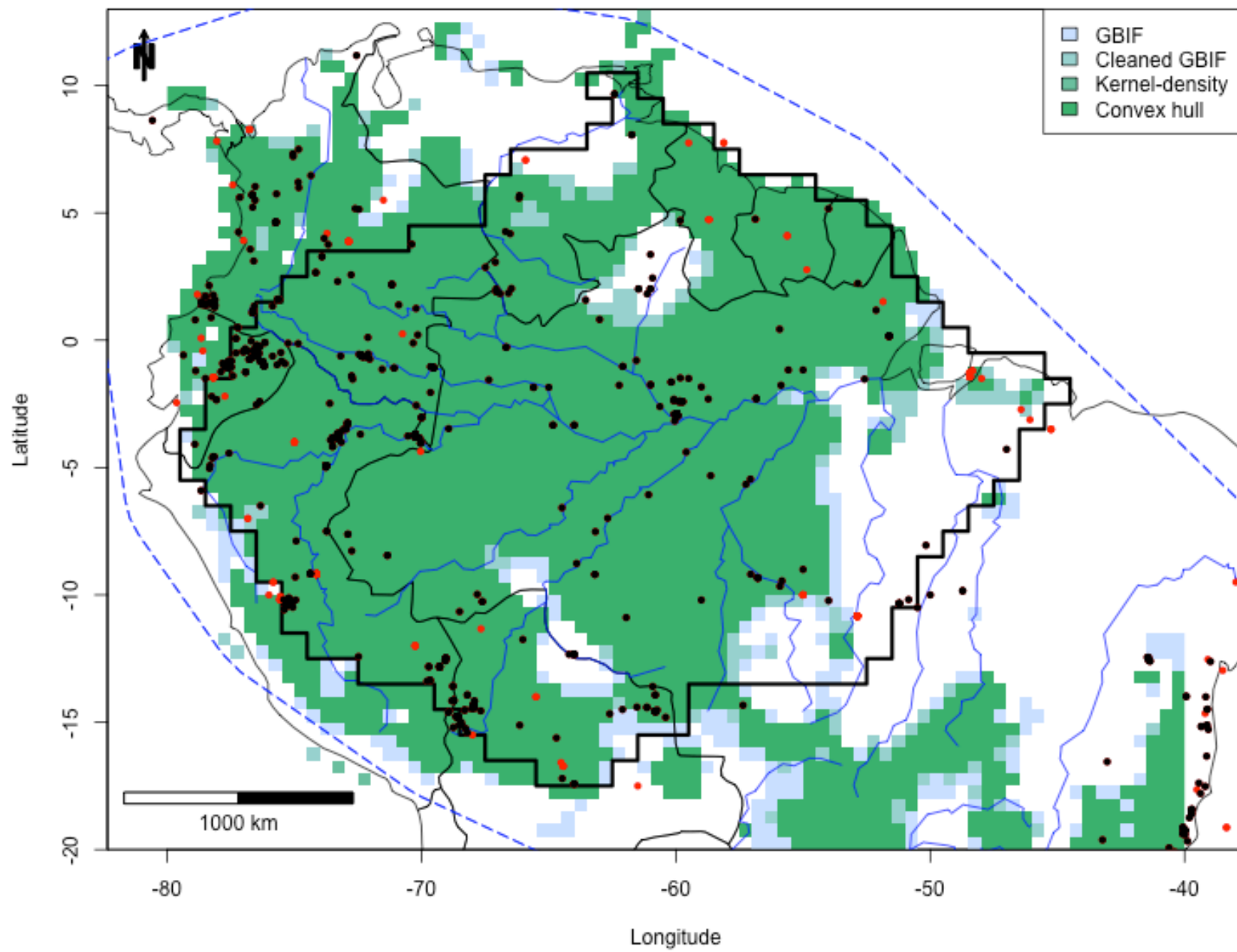
Pourouma guianensis



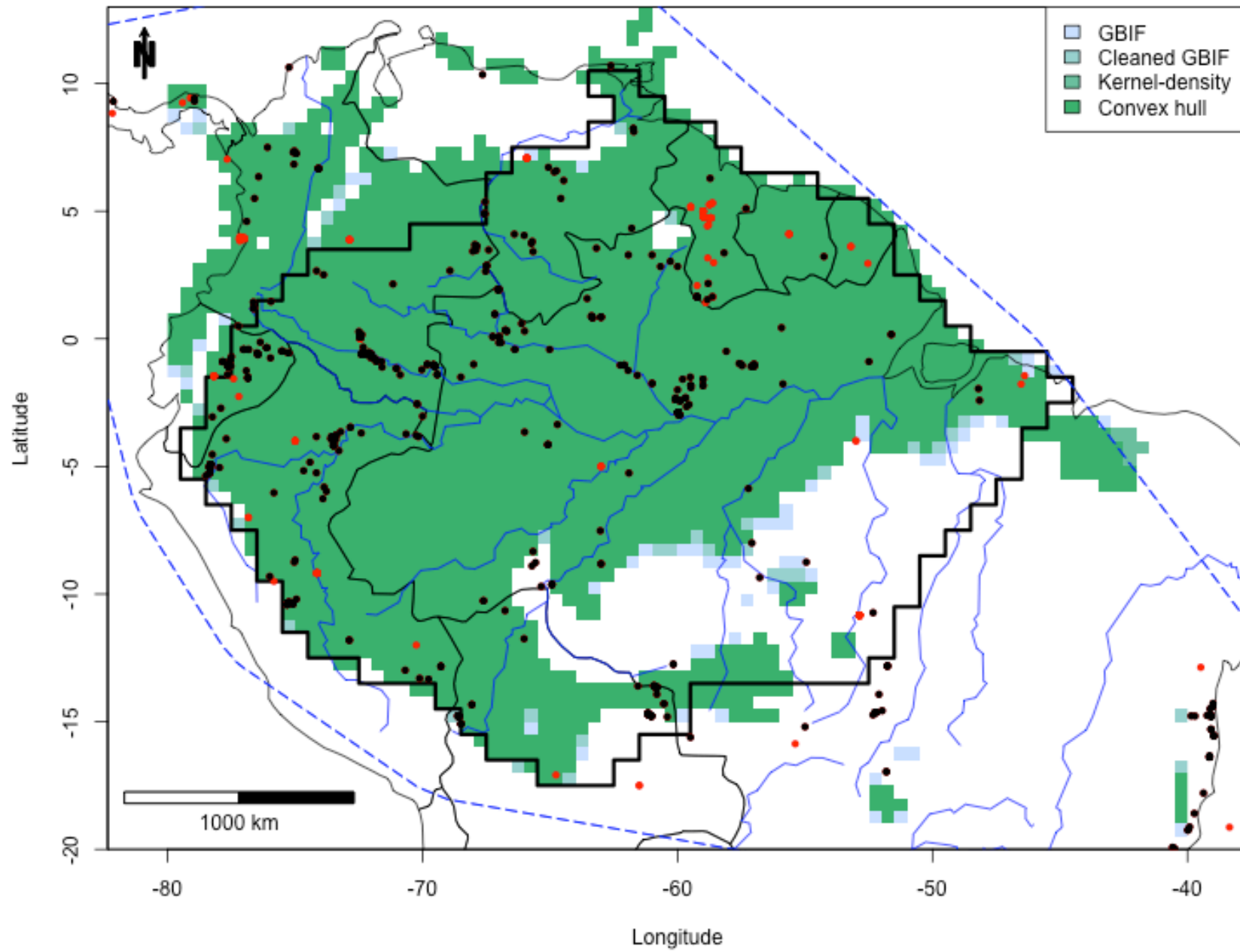
Pourouma minor



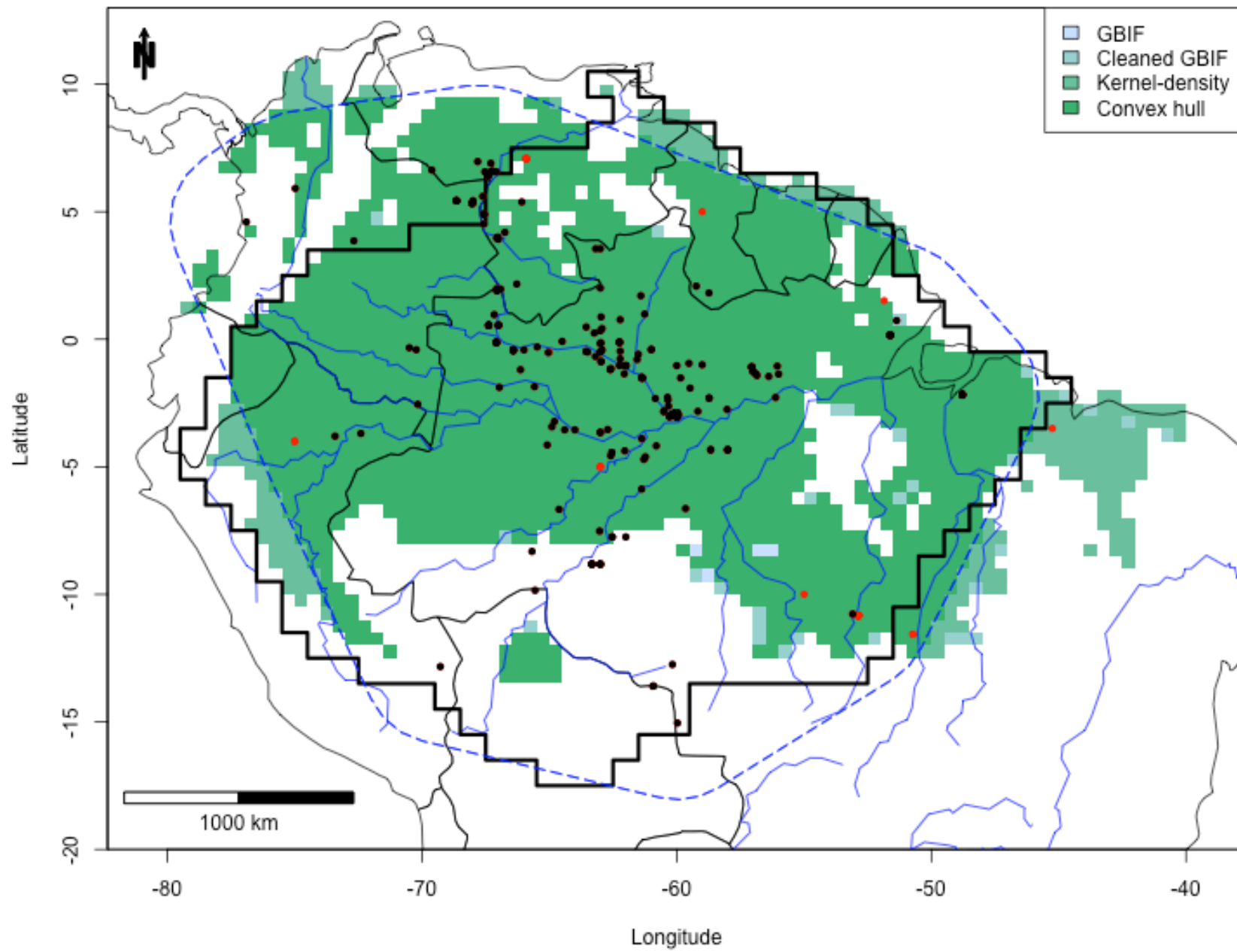
Pouteria caimito



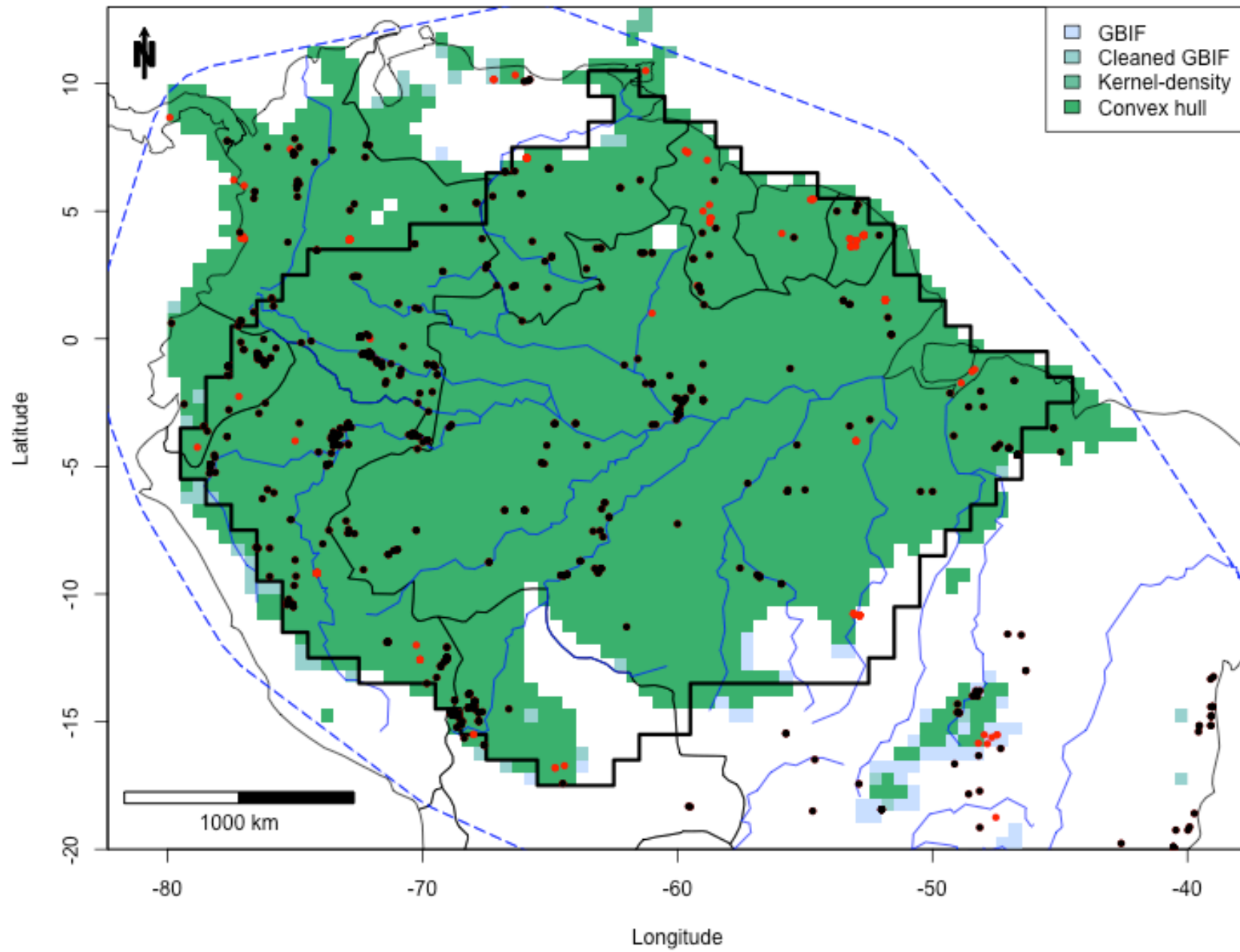
Pouteria cuspidata



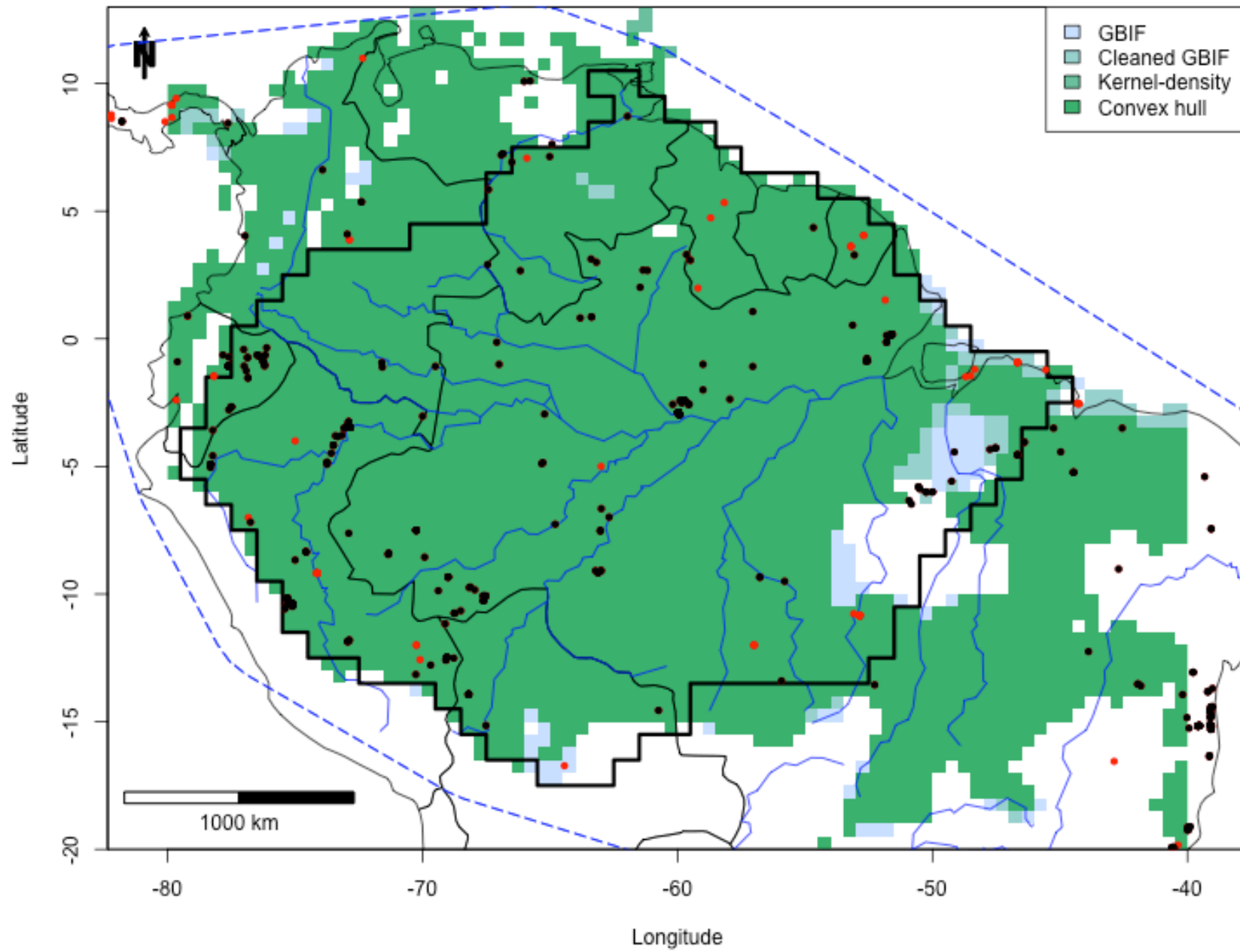
Pouteria elegans



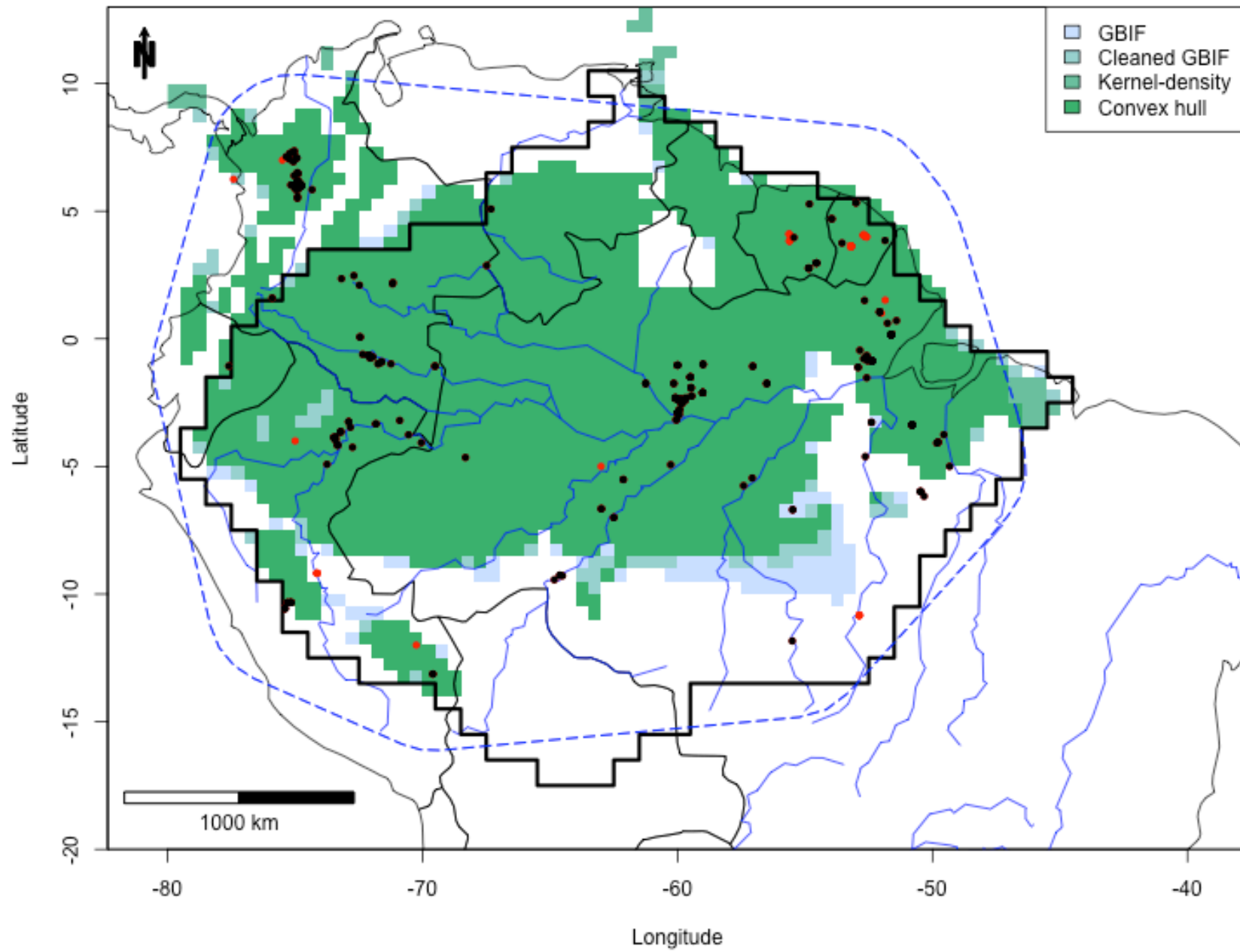
Pouteria guianensis



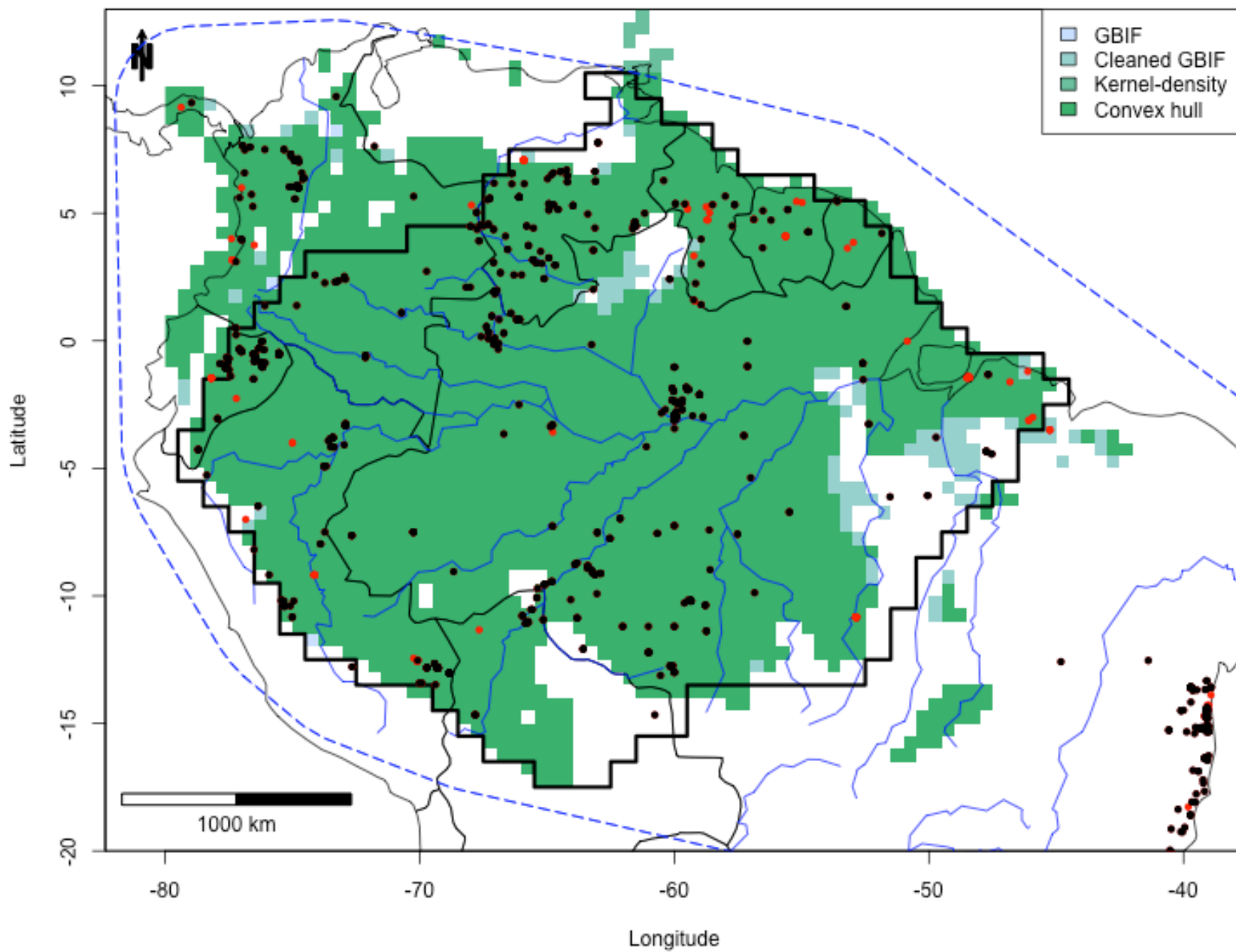
Pouteria reticulata



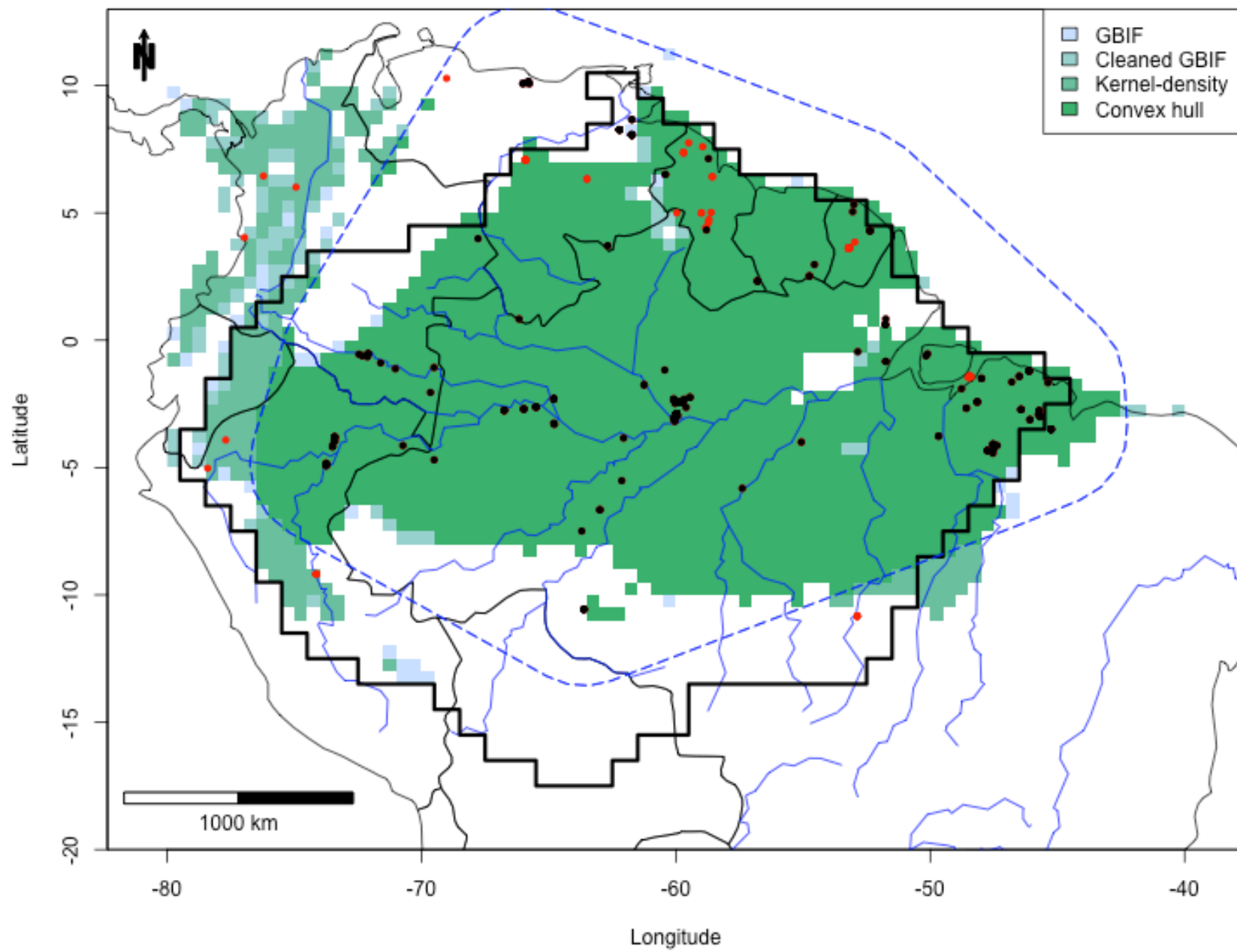
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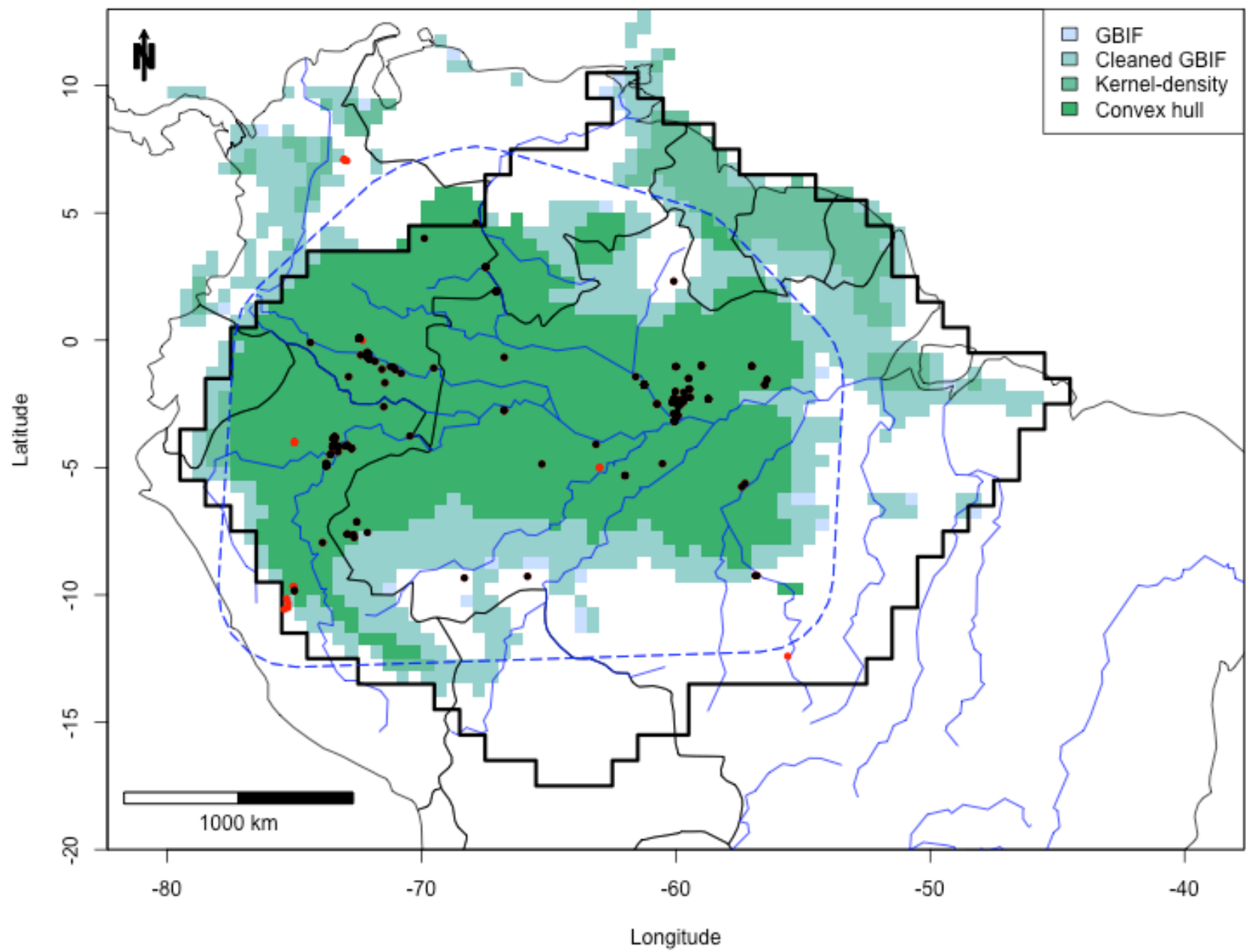
Protium aracouchini



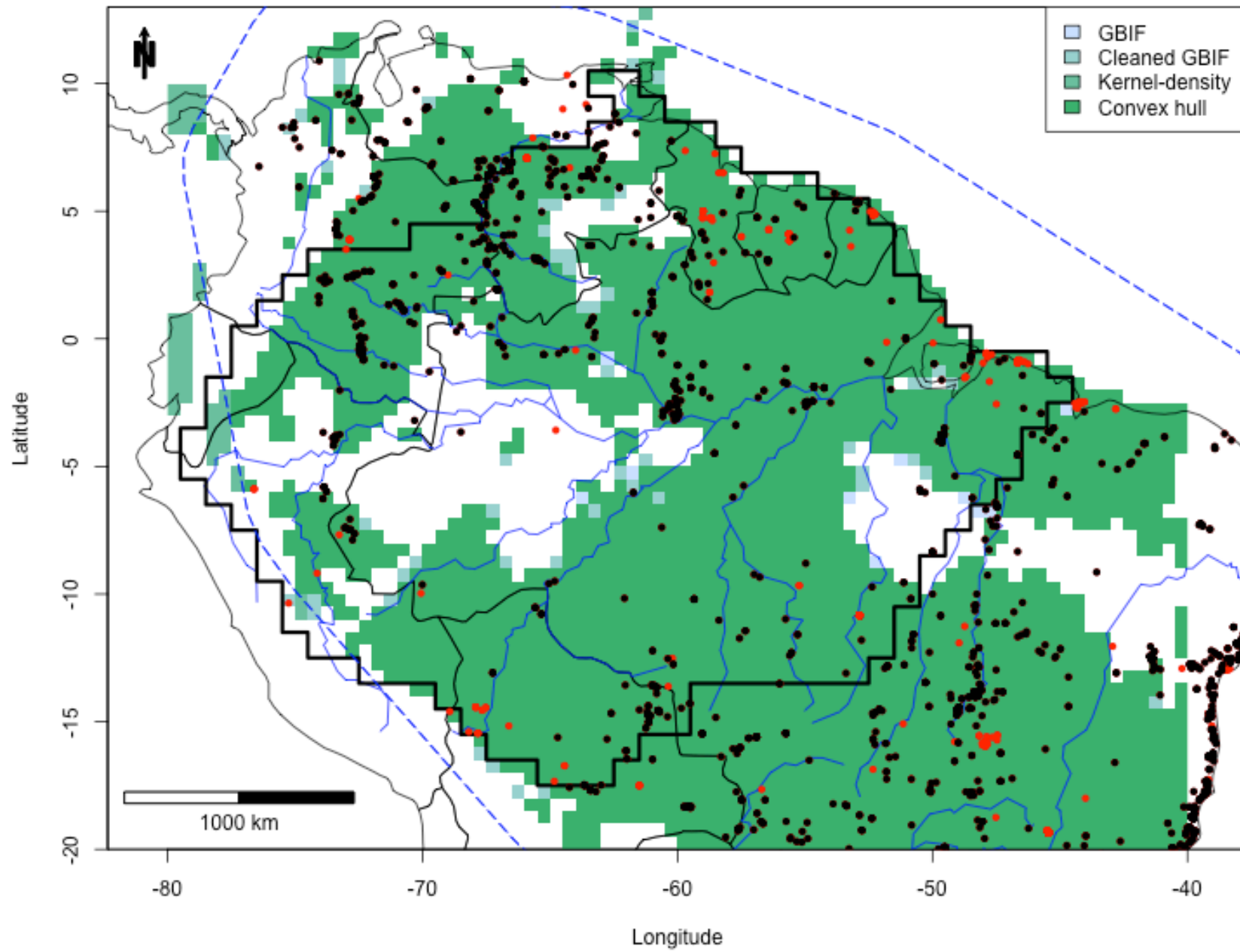
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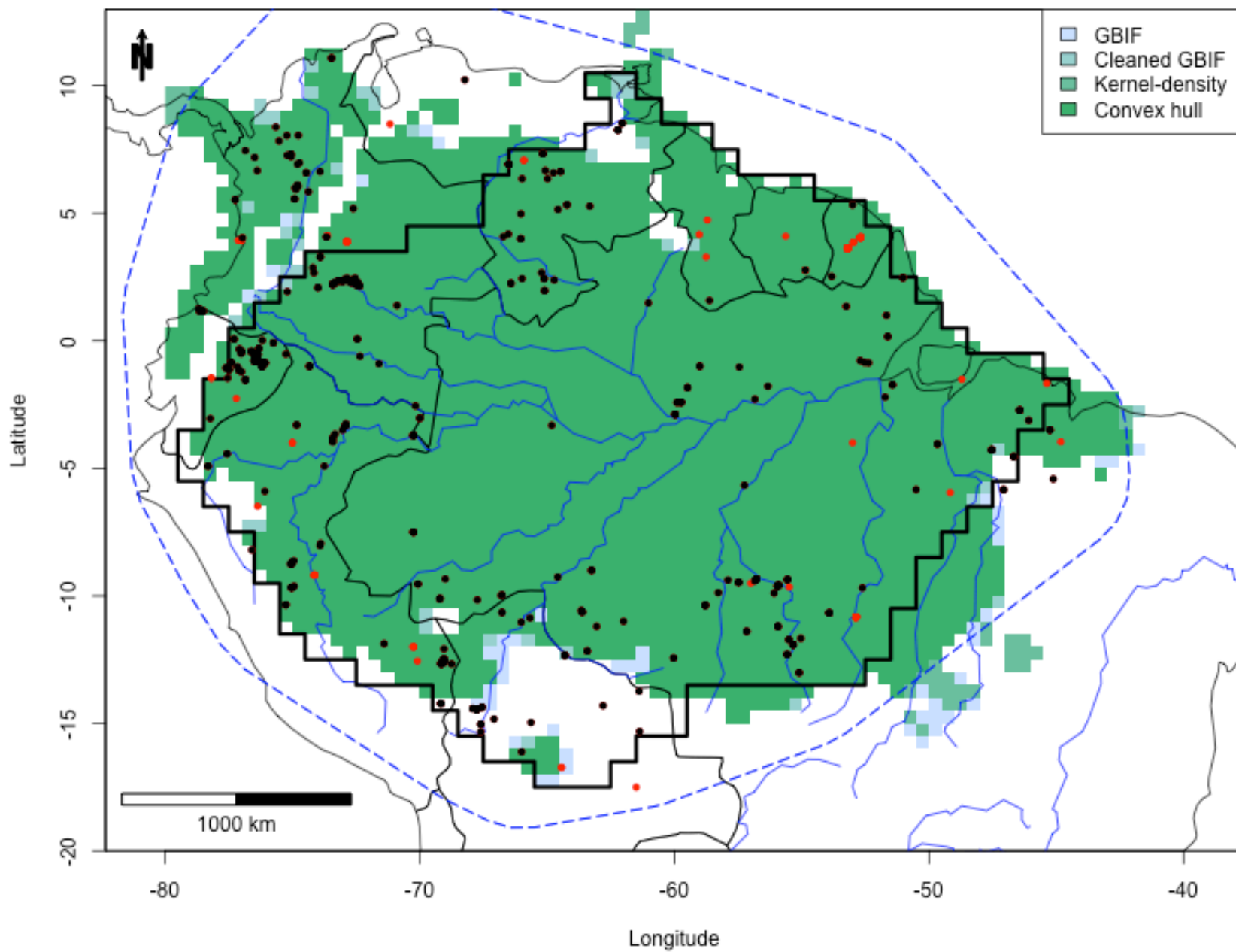
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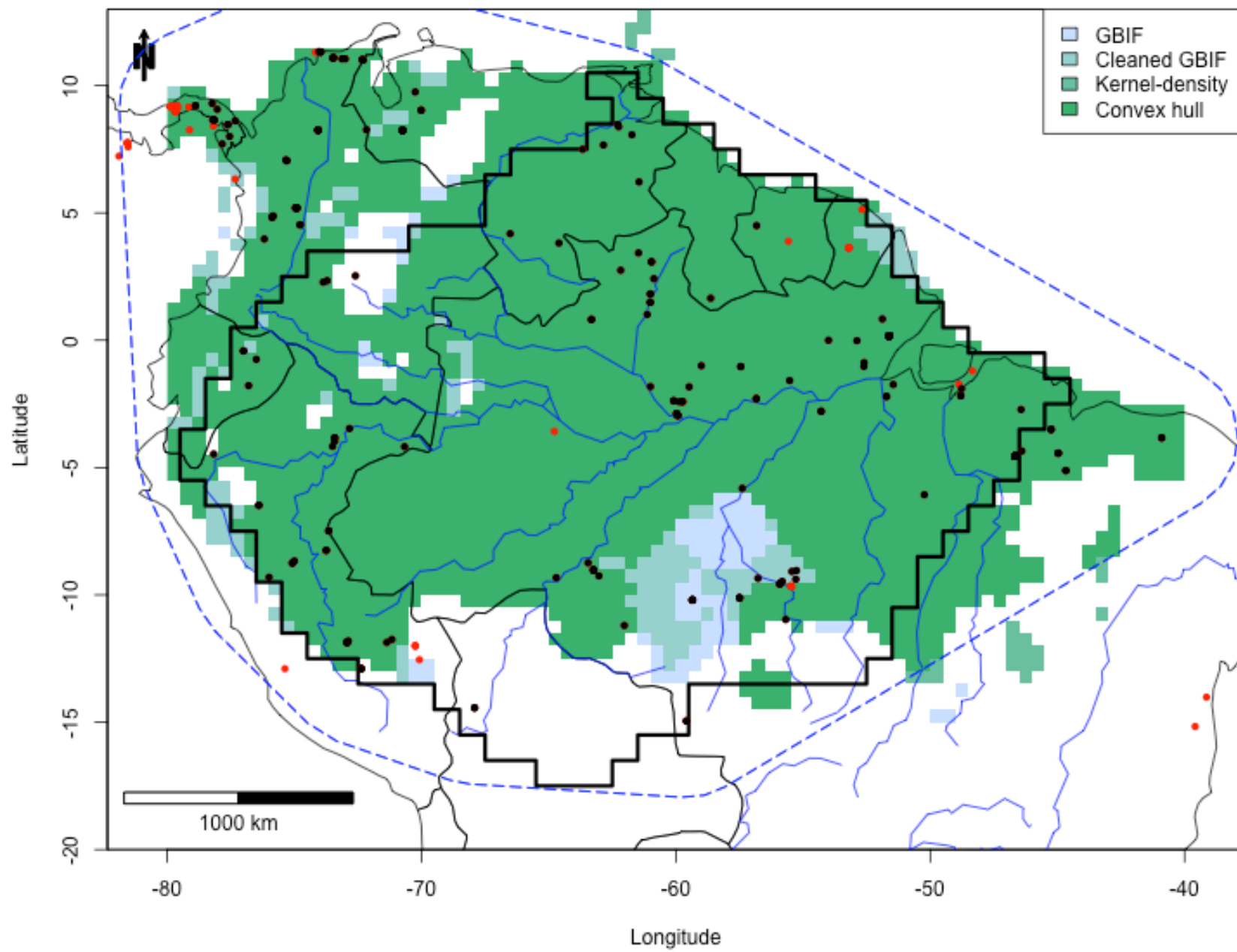
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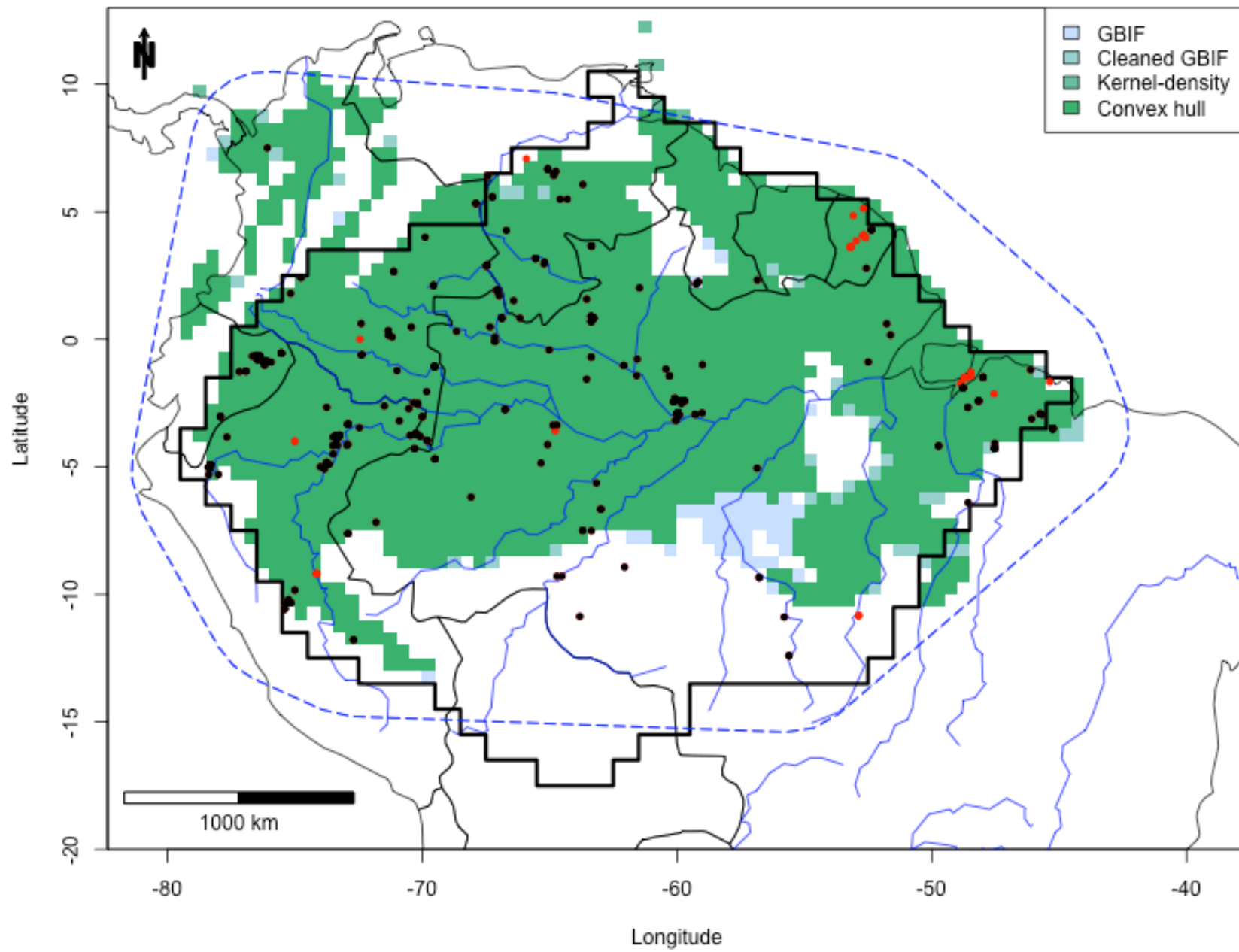
Protium sagotianum



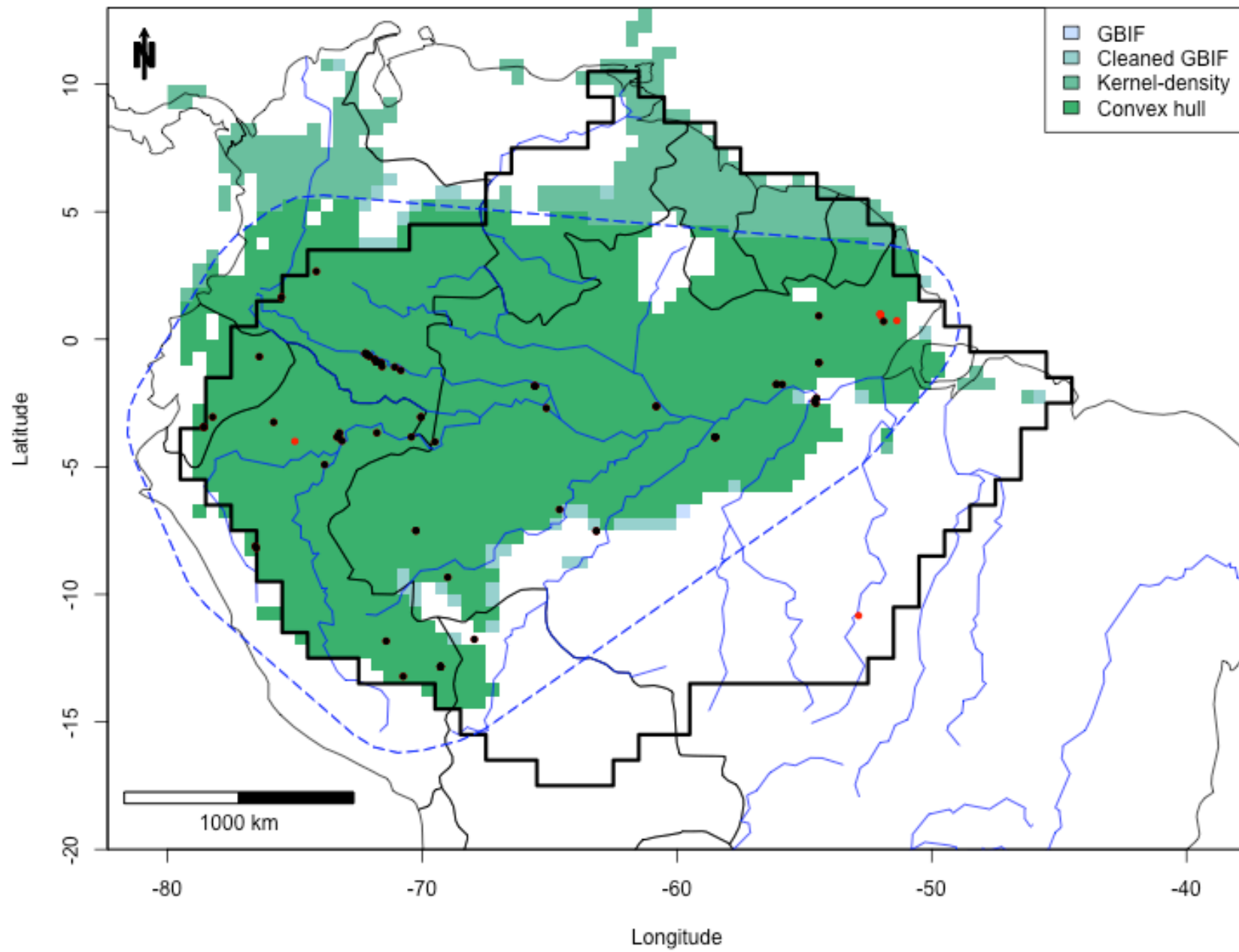
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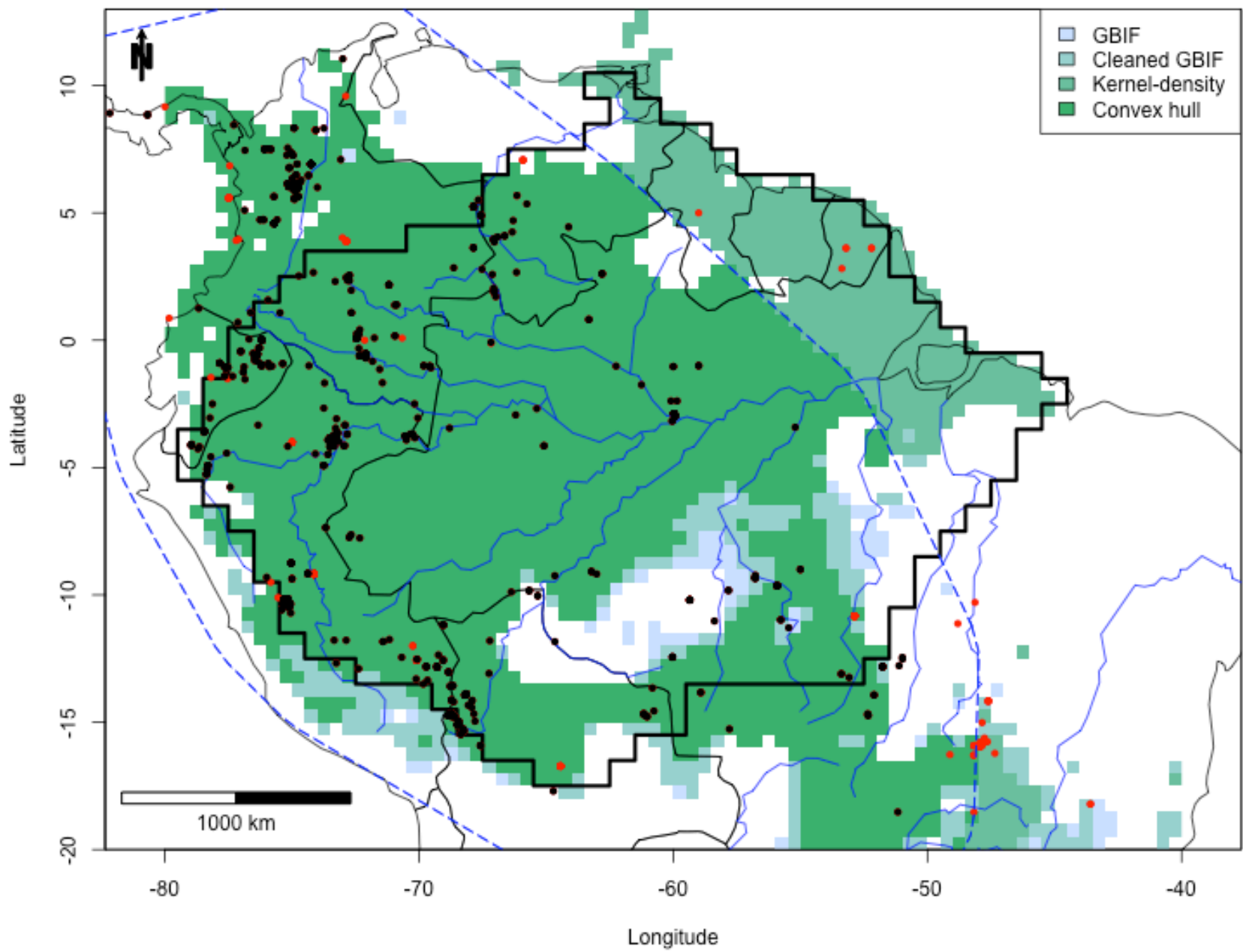
Protium trifoliolatum



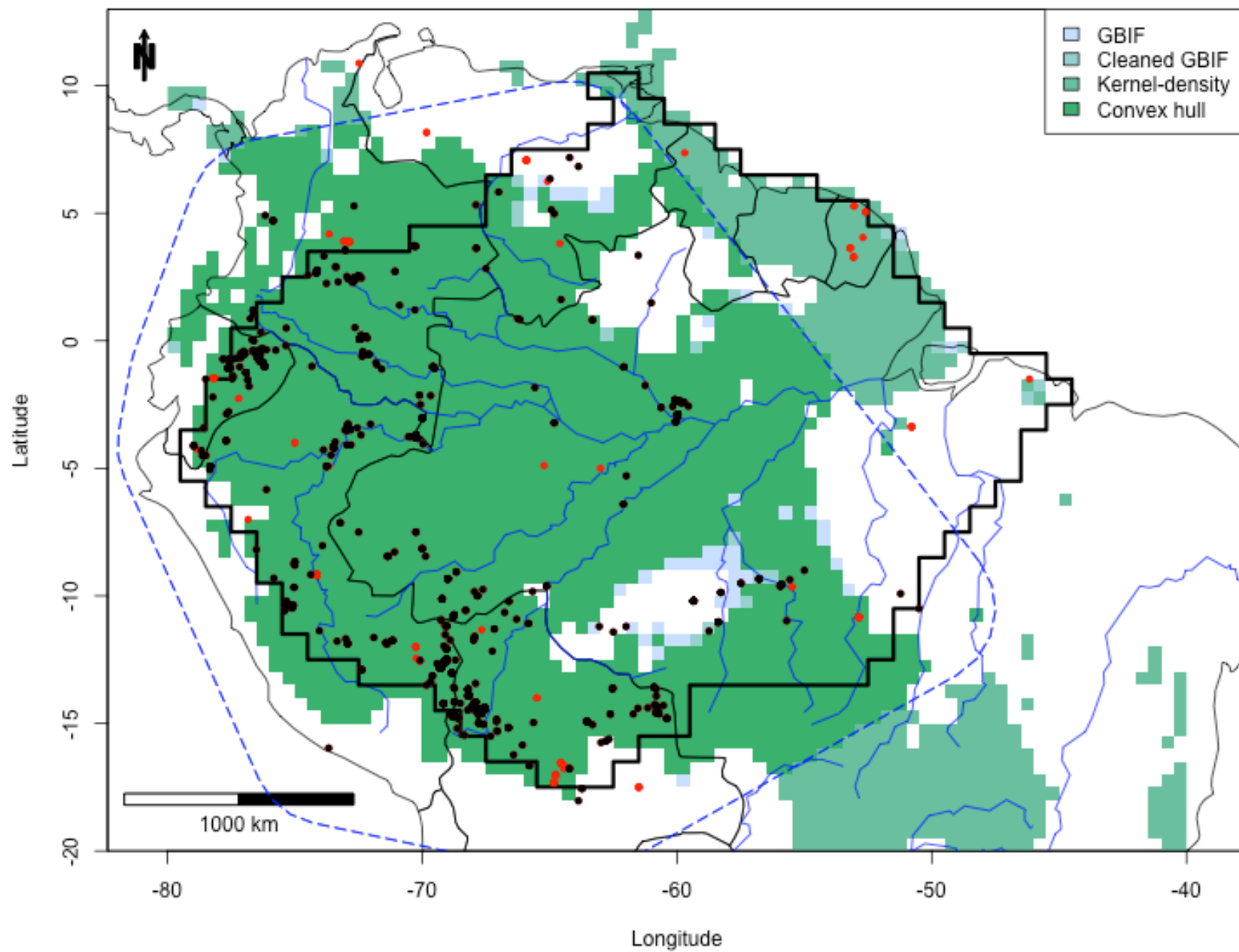
Pseudobombax munguba



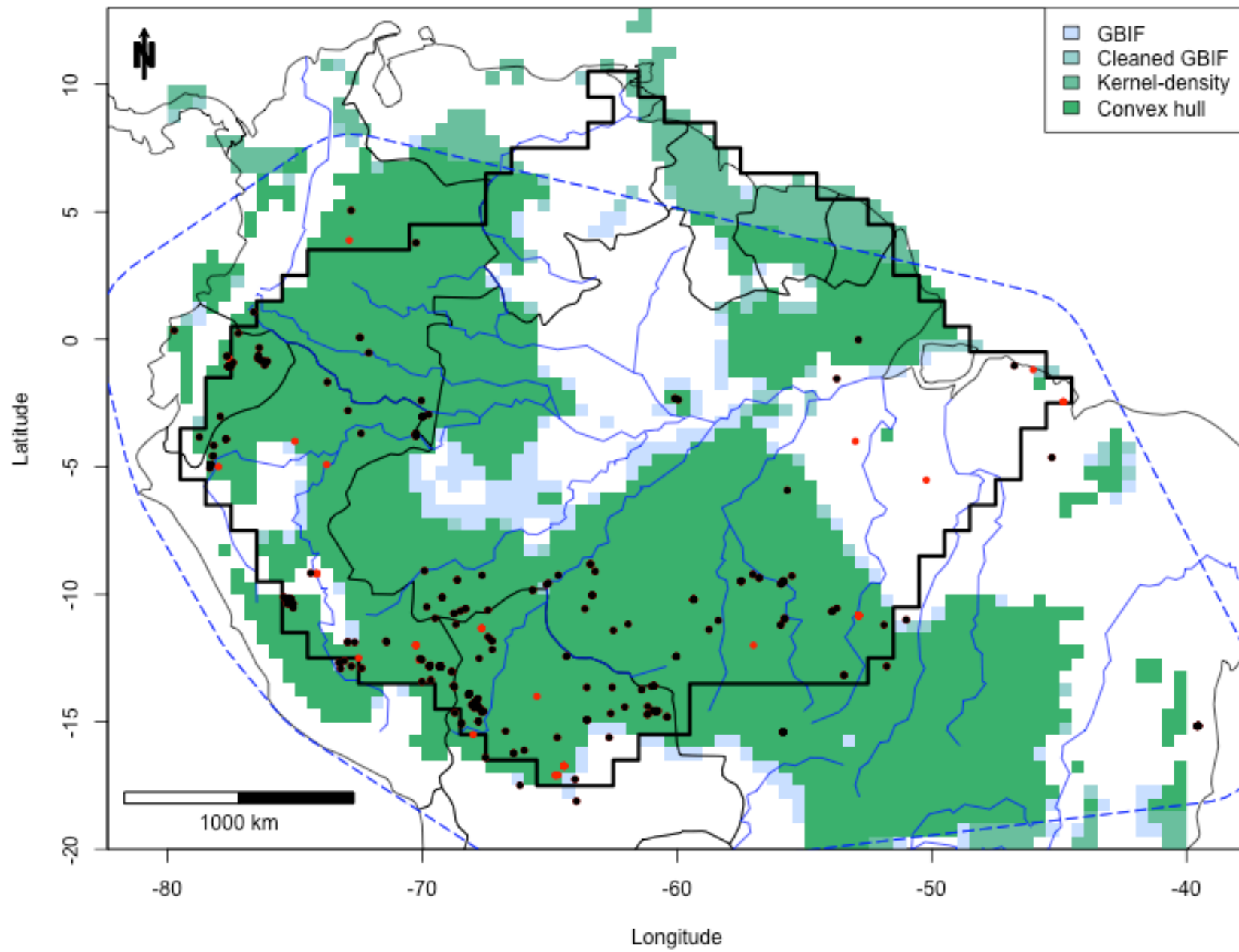
Pseudolmedia laevigata



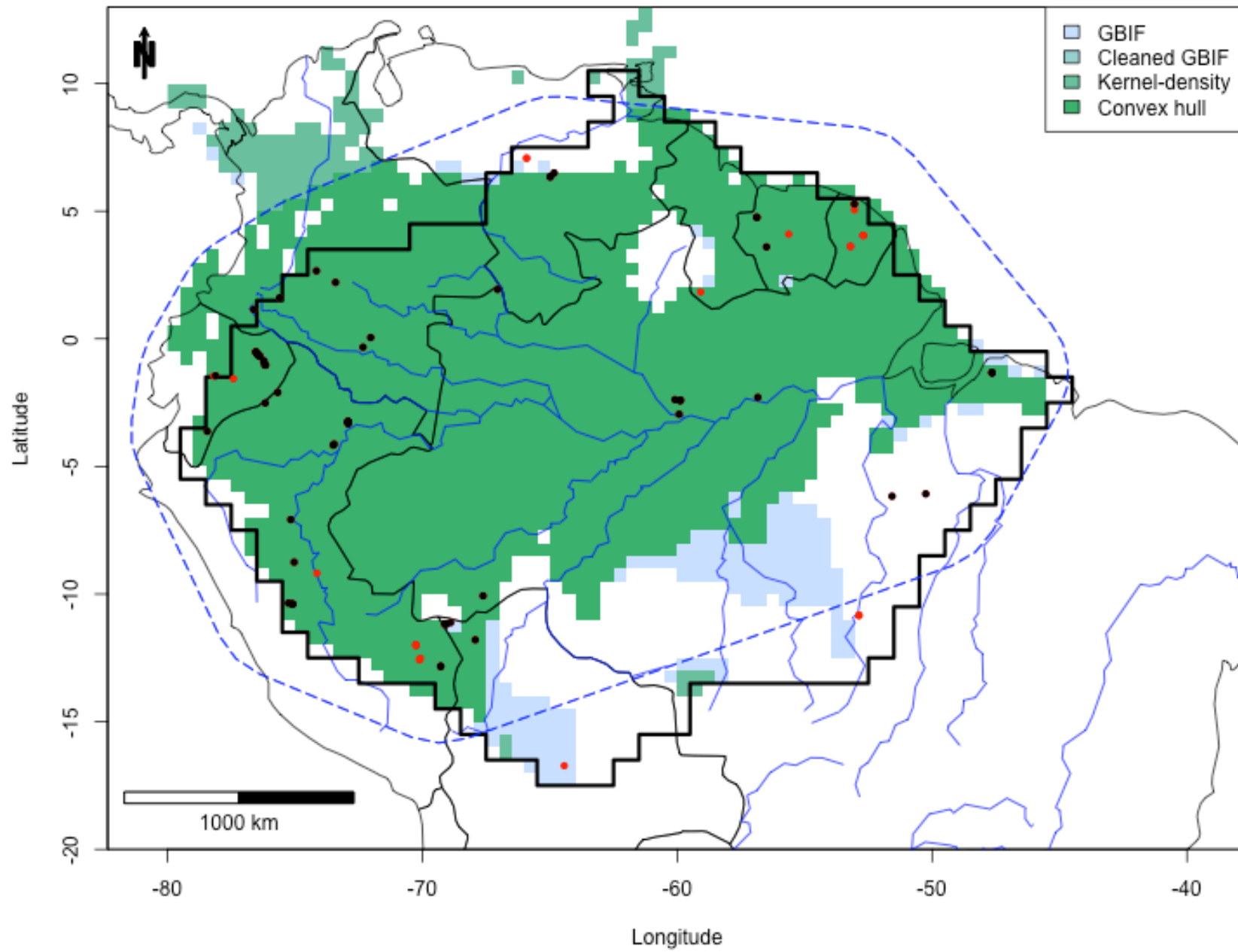
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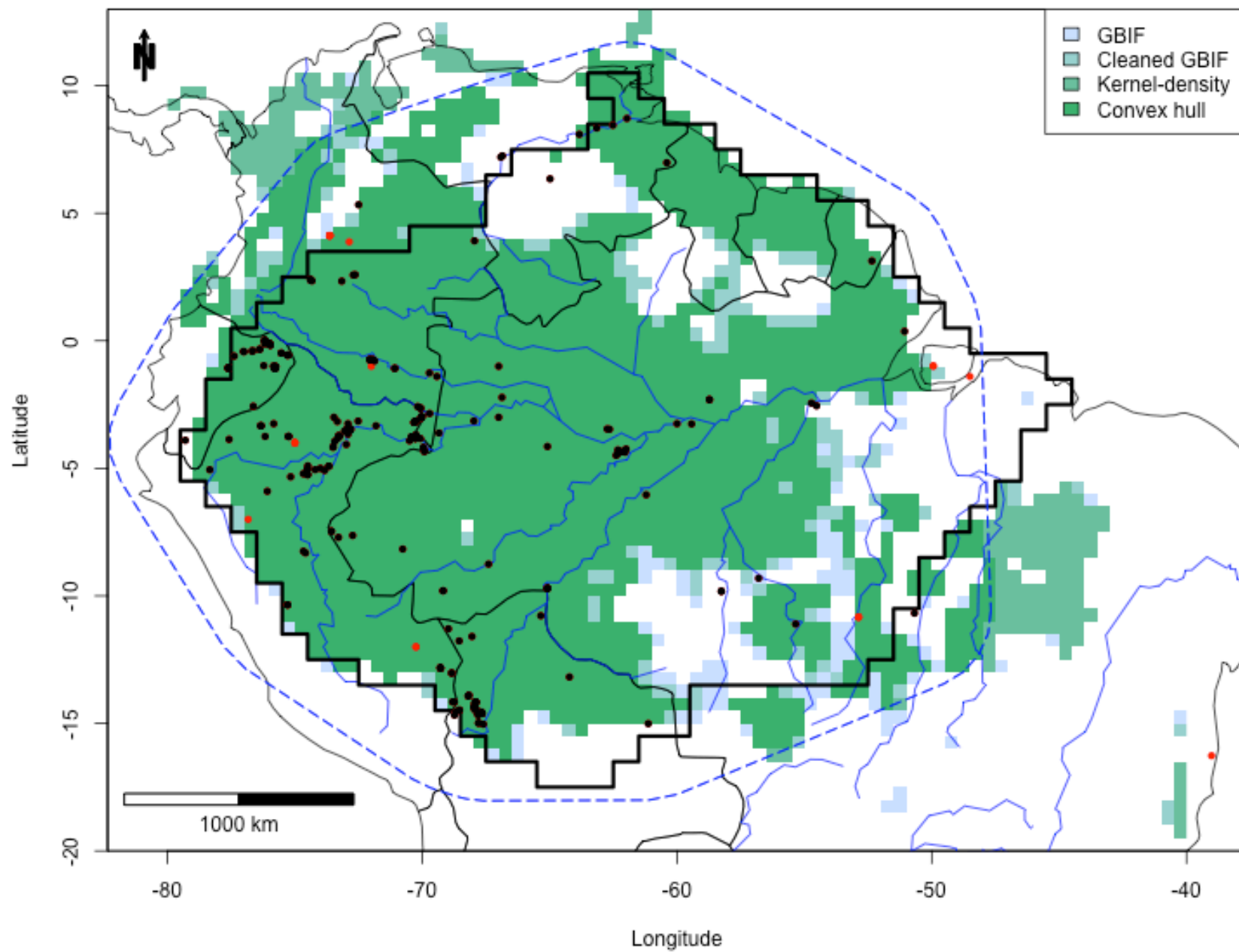
Pseudolmedia macrophylla



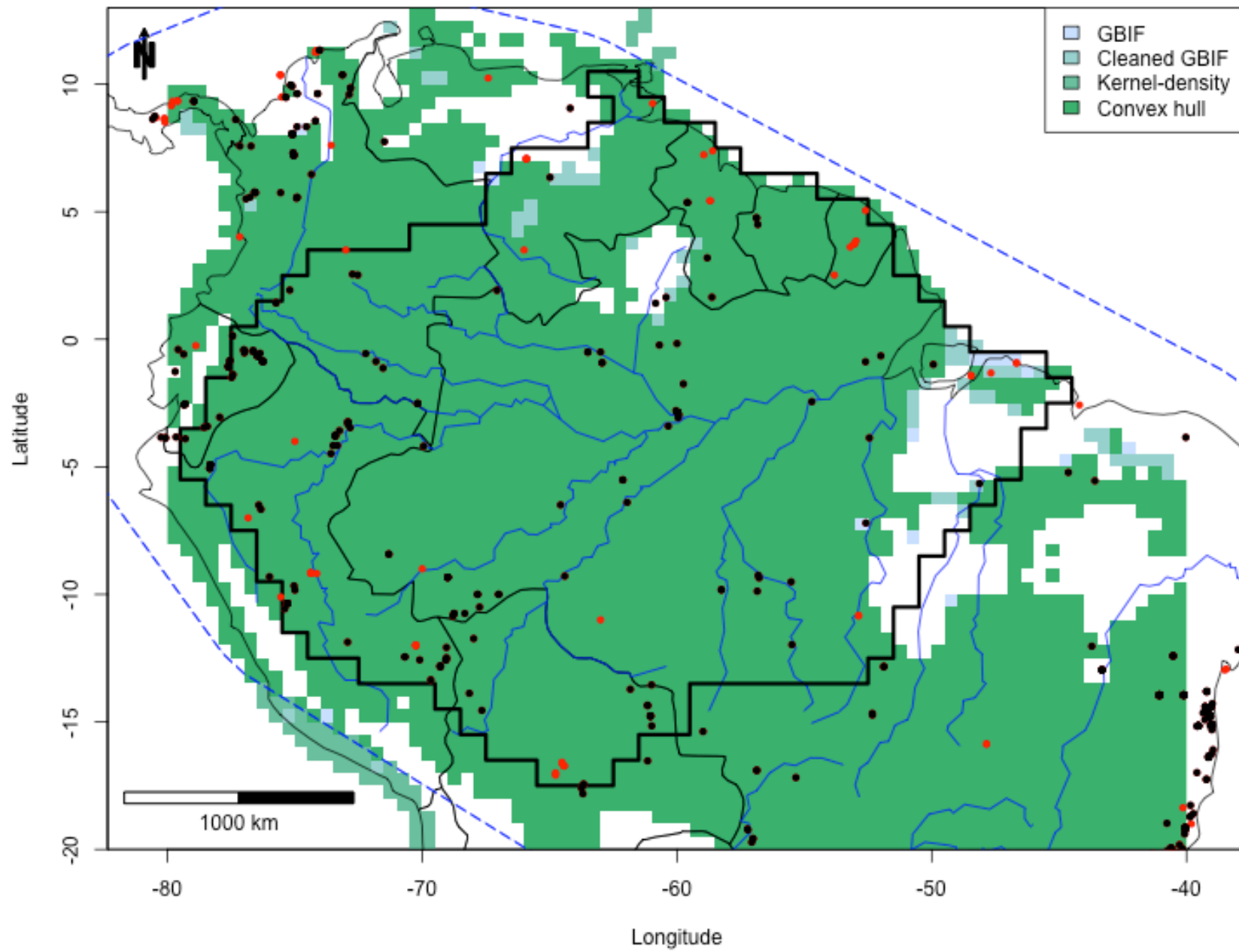
Pseudopiptadenia suaveolens



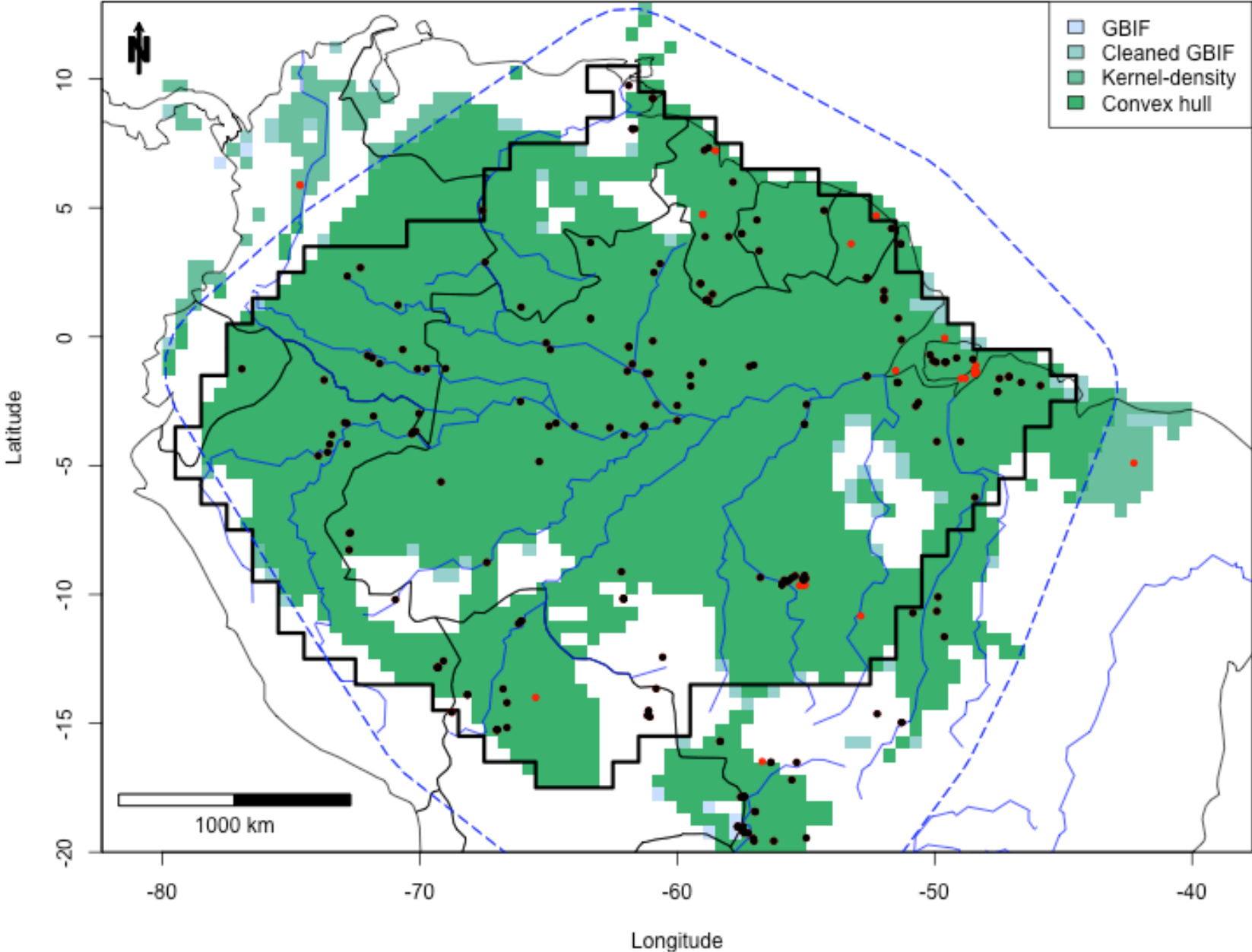
Pterocarpus amazonum



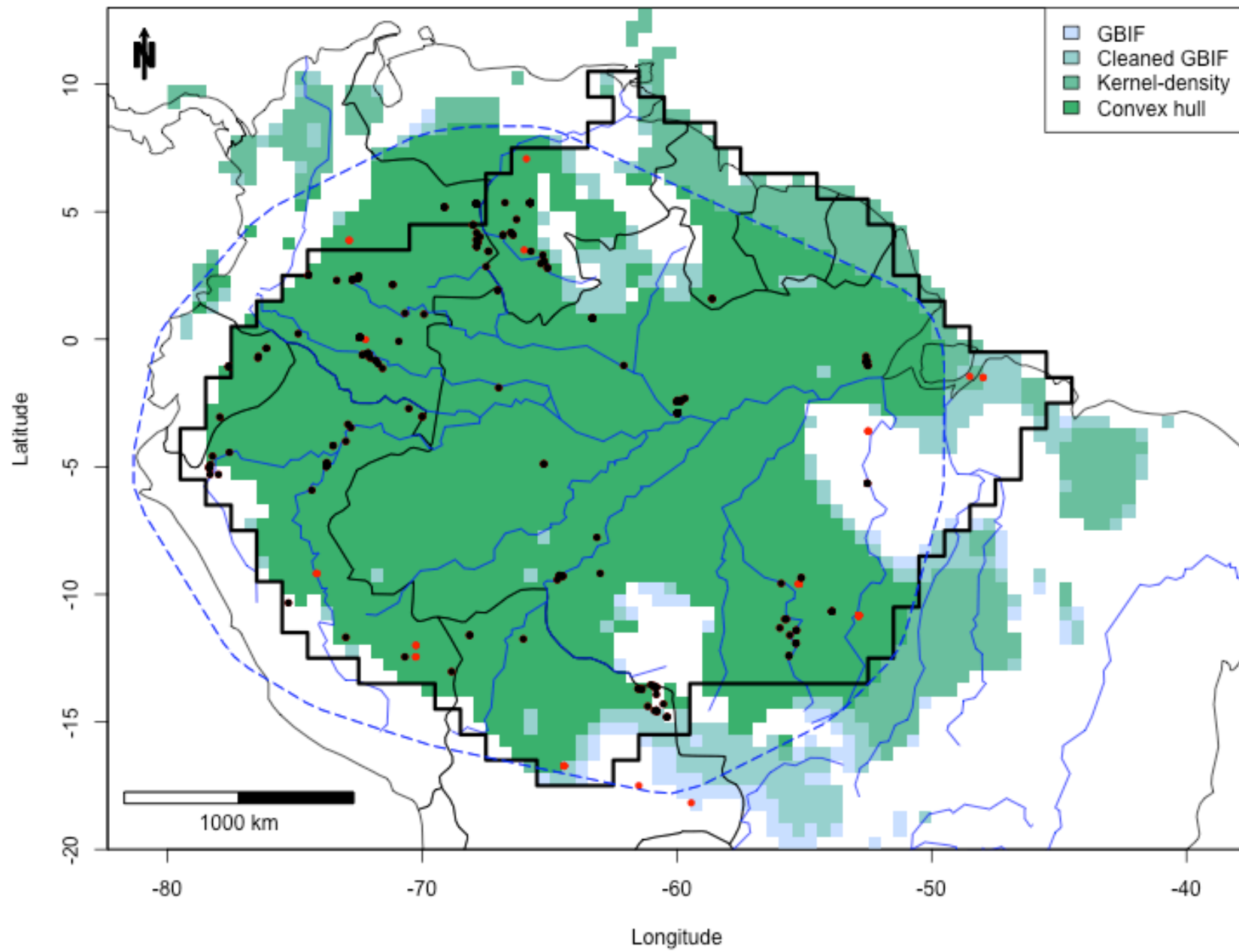
Pterocarpus rohrii



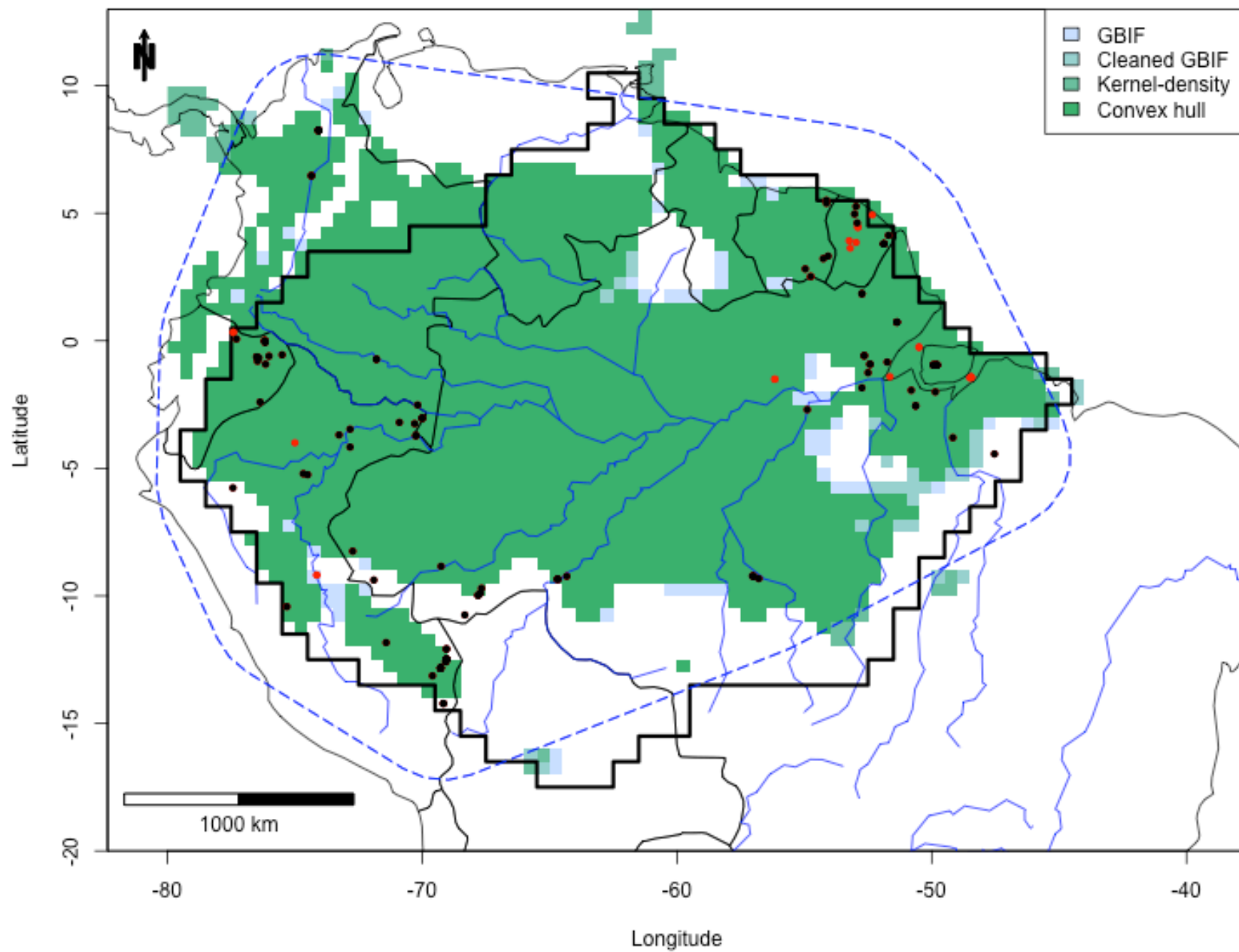
Pterocarpus santalinoides



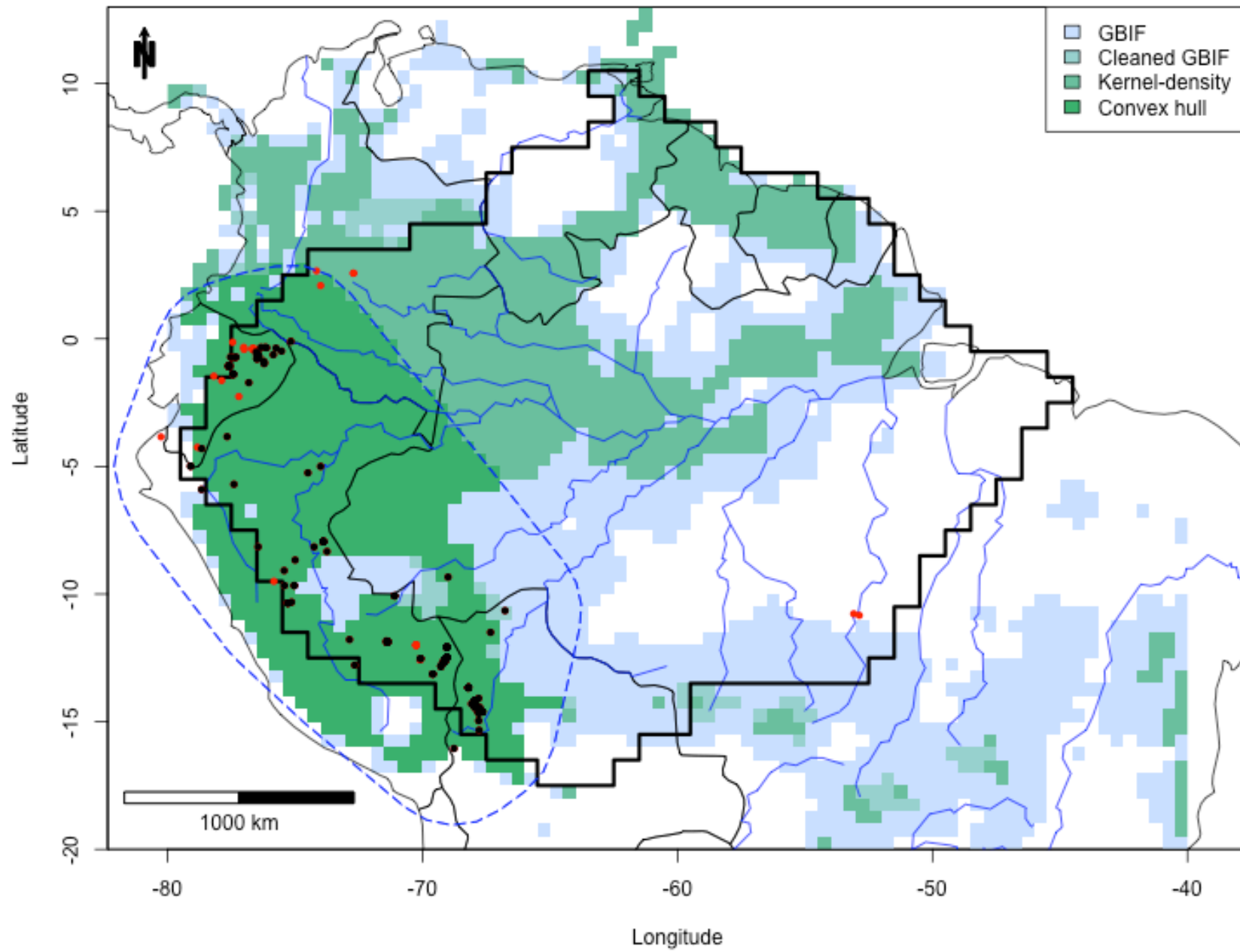
Qualea paraensis



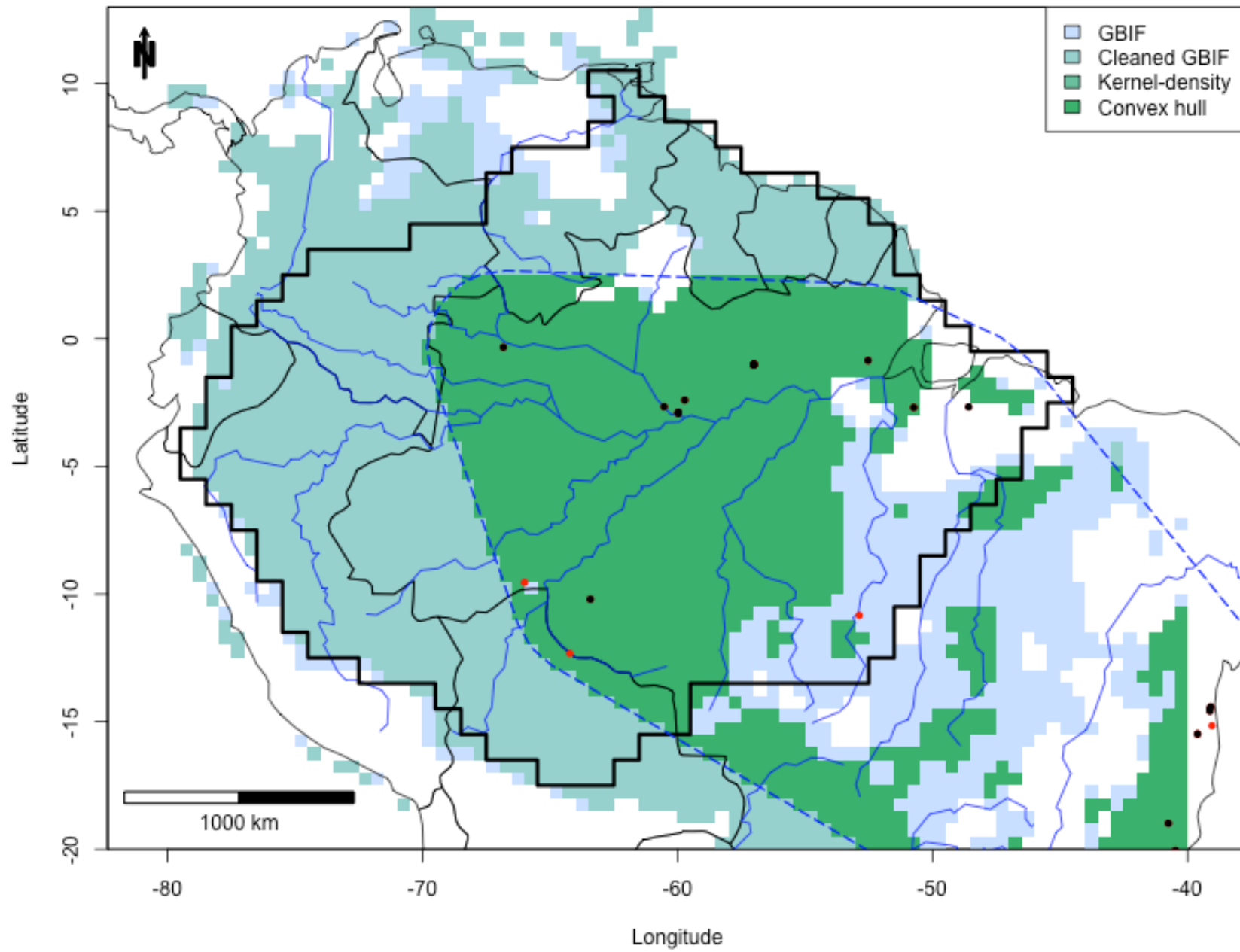
Quararibea guianensis



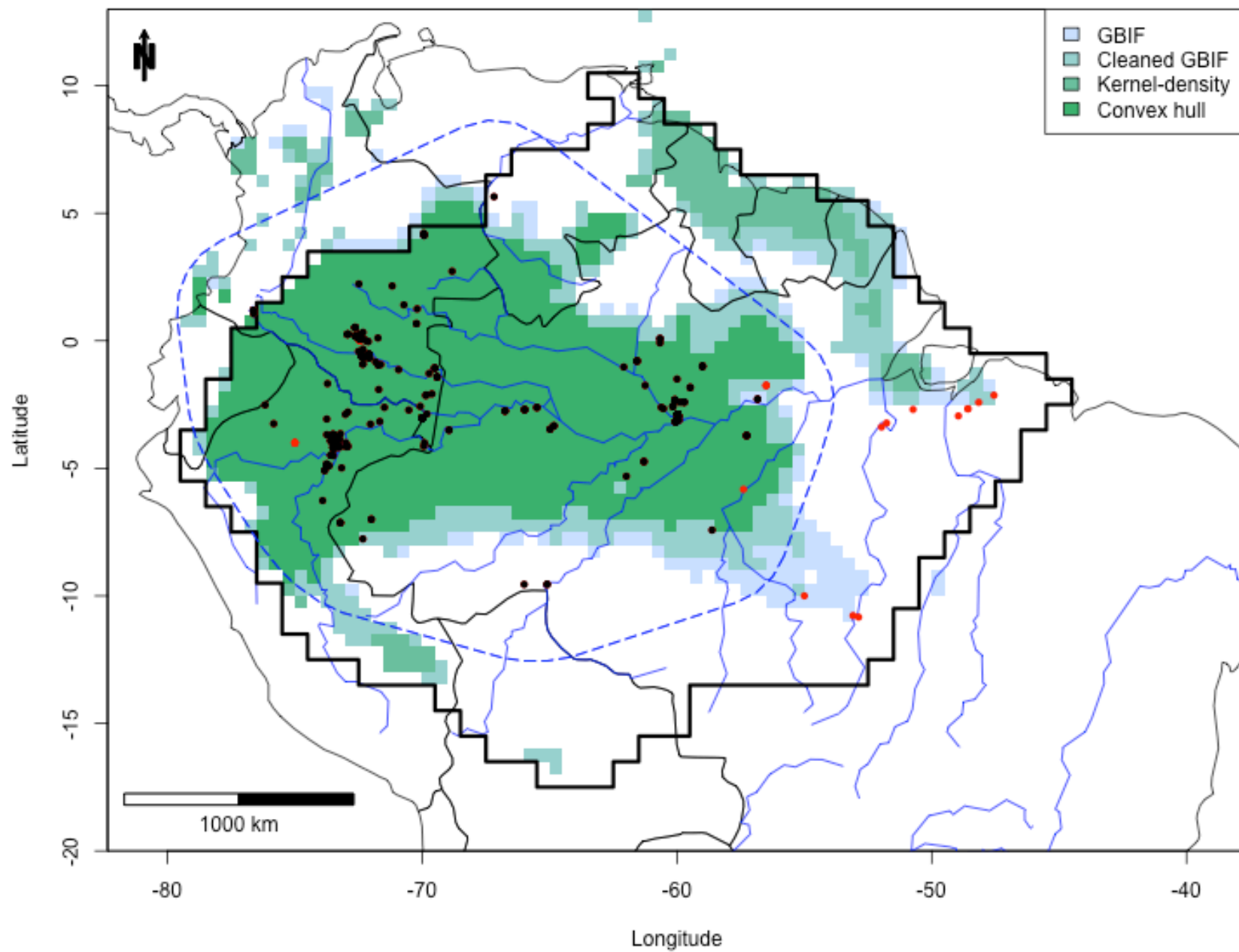
Quararibea wittii



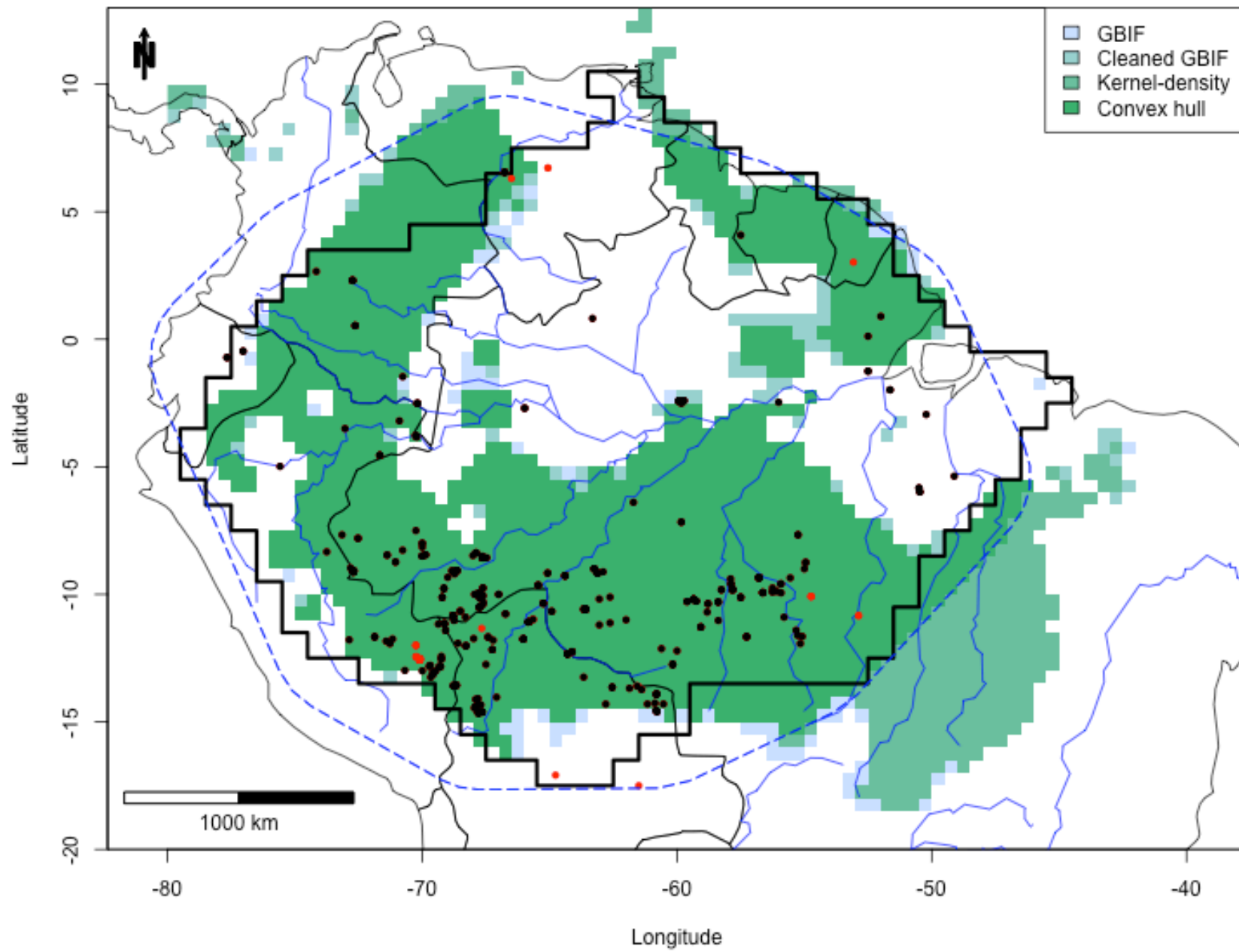
Rinorea guianensis



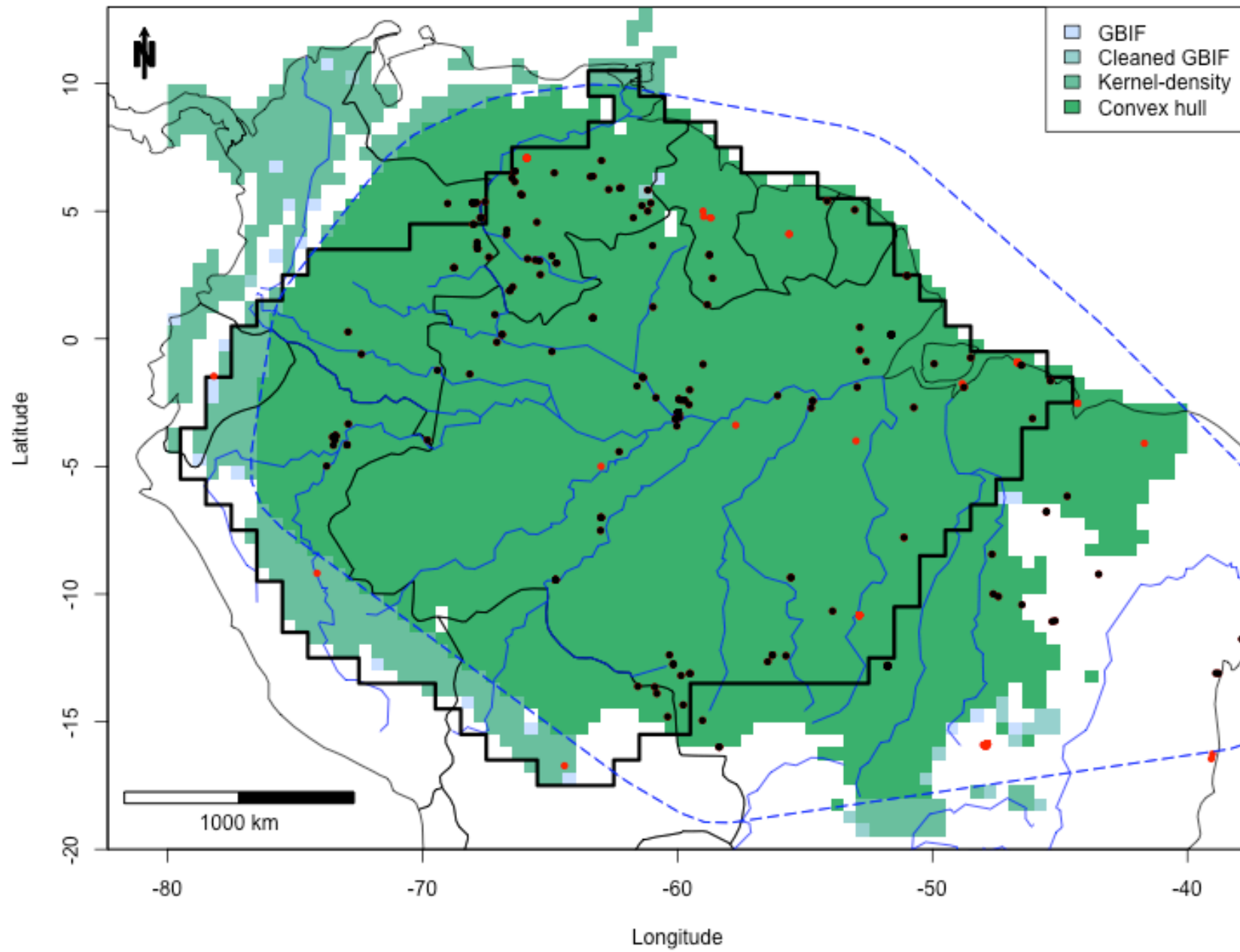
Rinorea racemosa



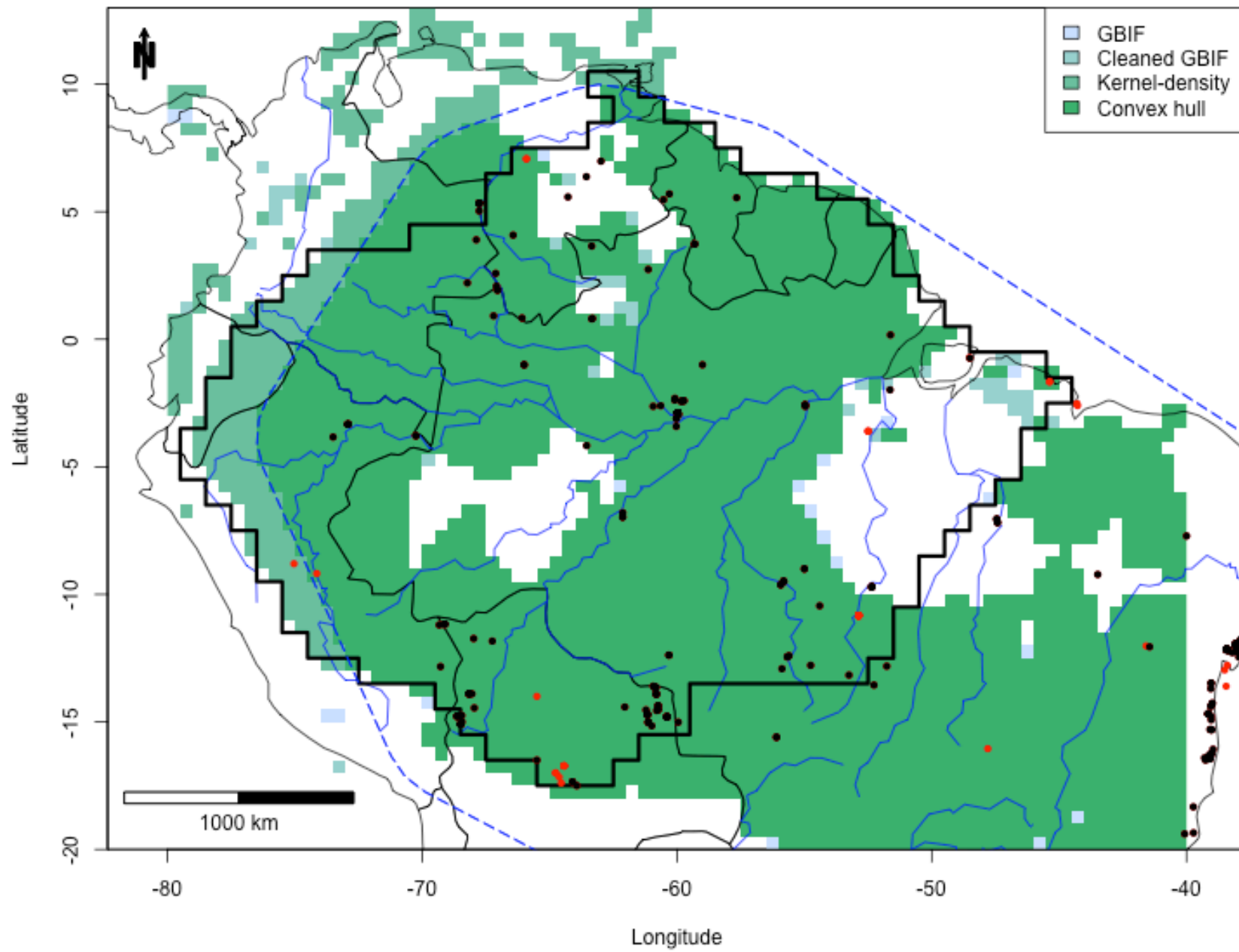
Rinoreaocarpus ulei



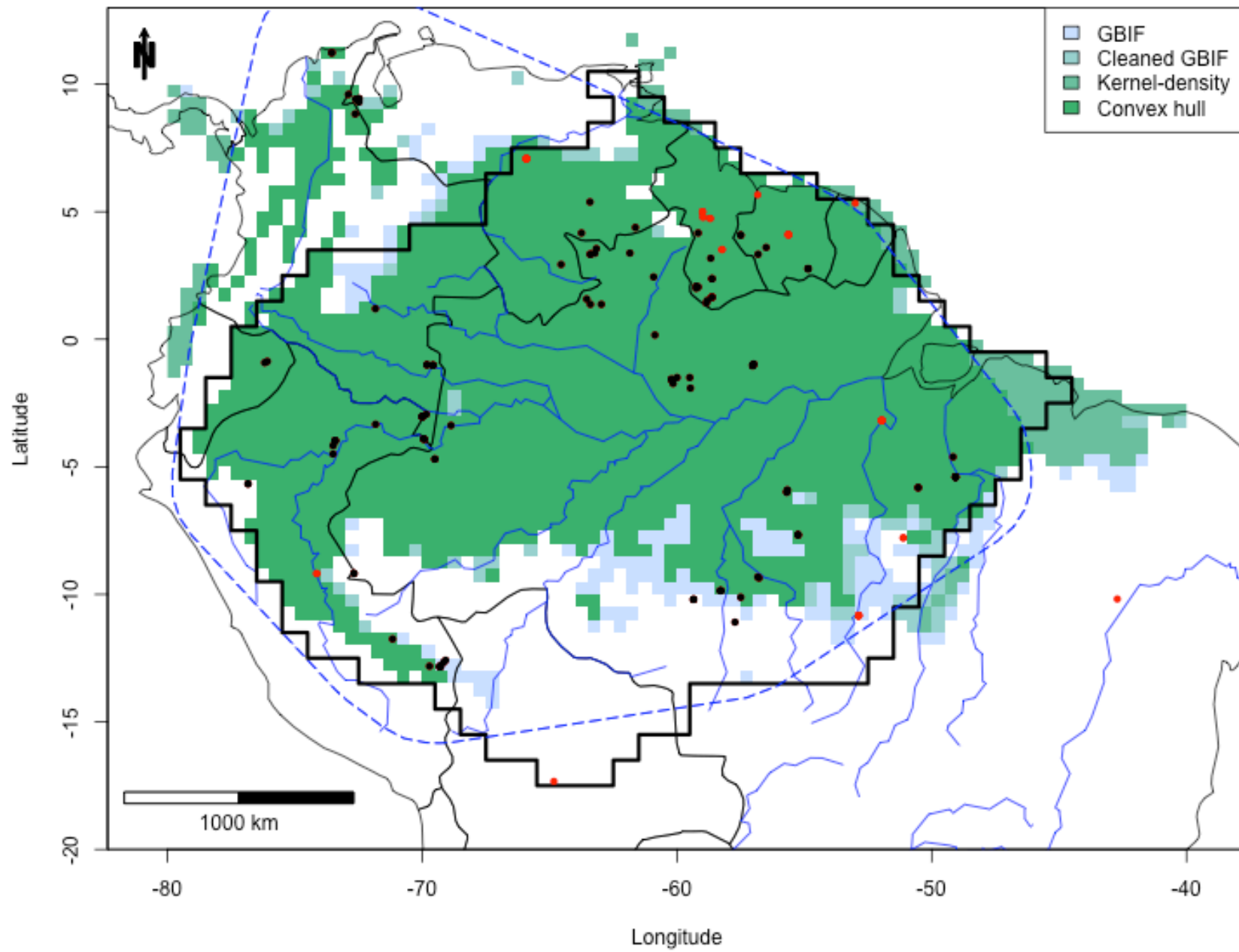
Sacoglottis guianensis



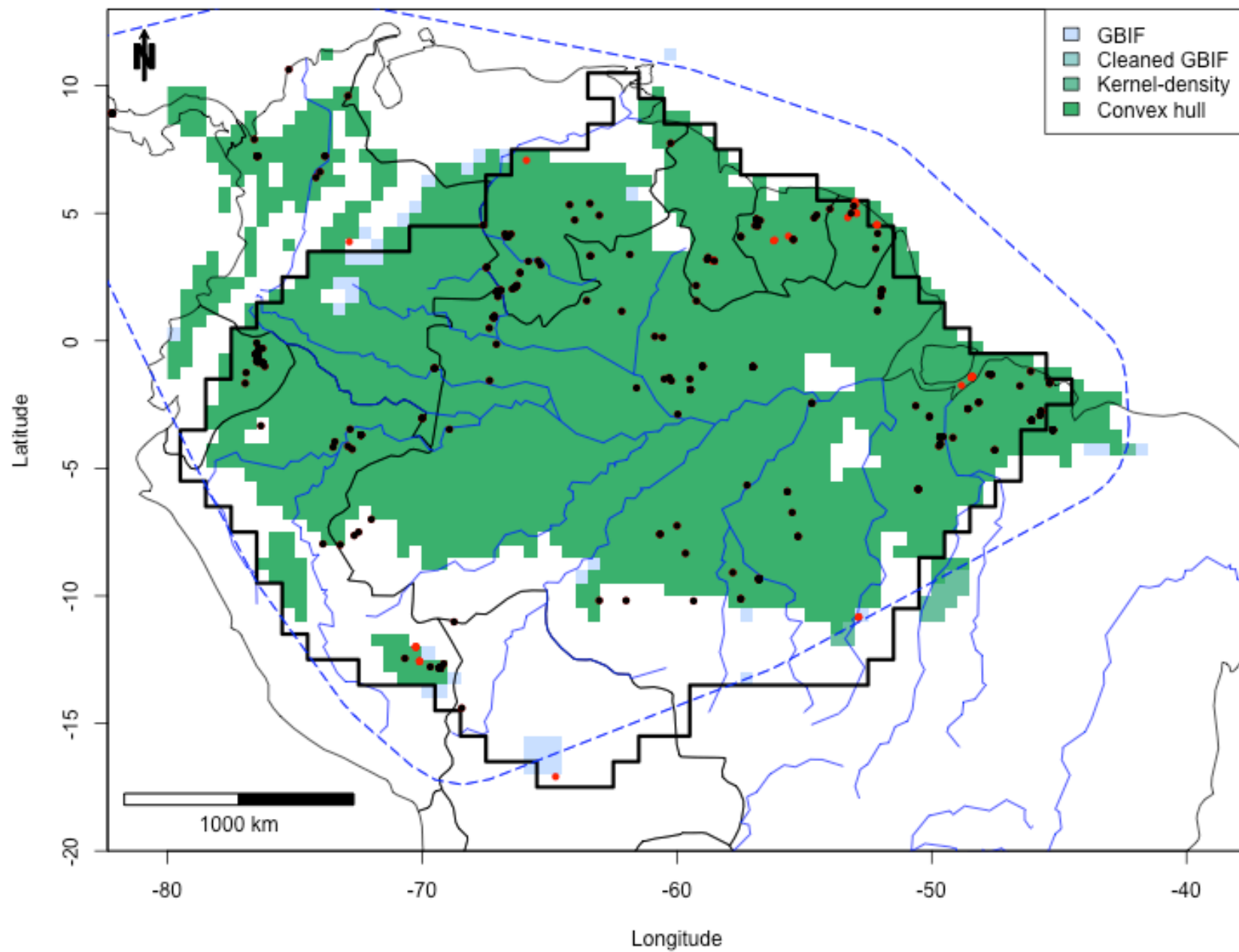
Sacoglottis mattogrossensis



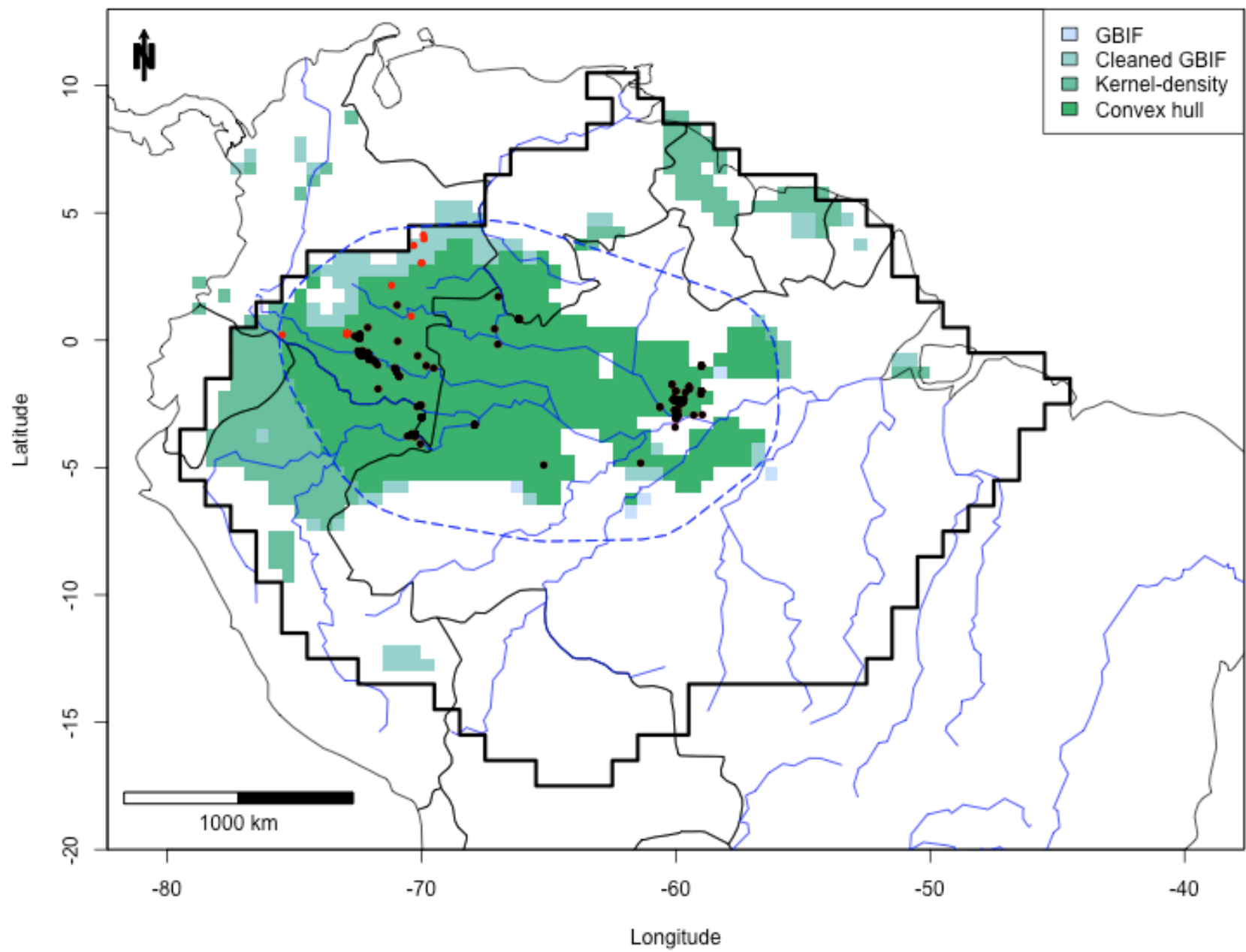
Sagotia brachysepala



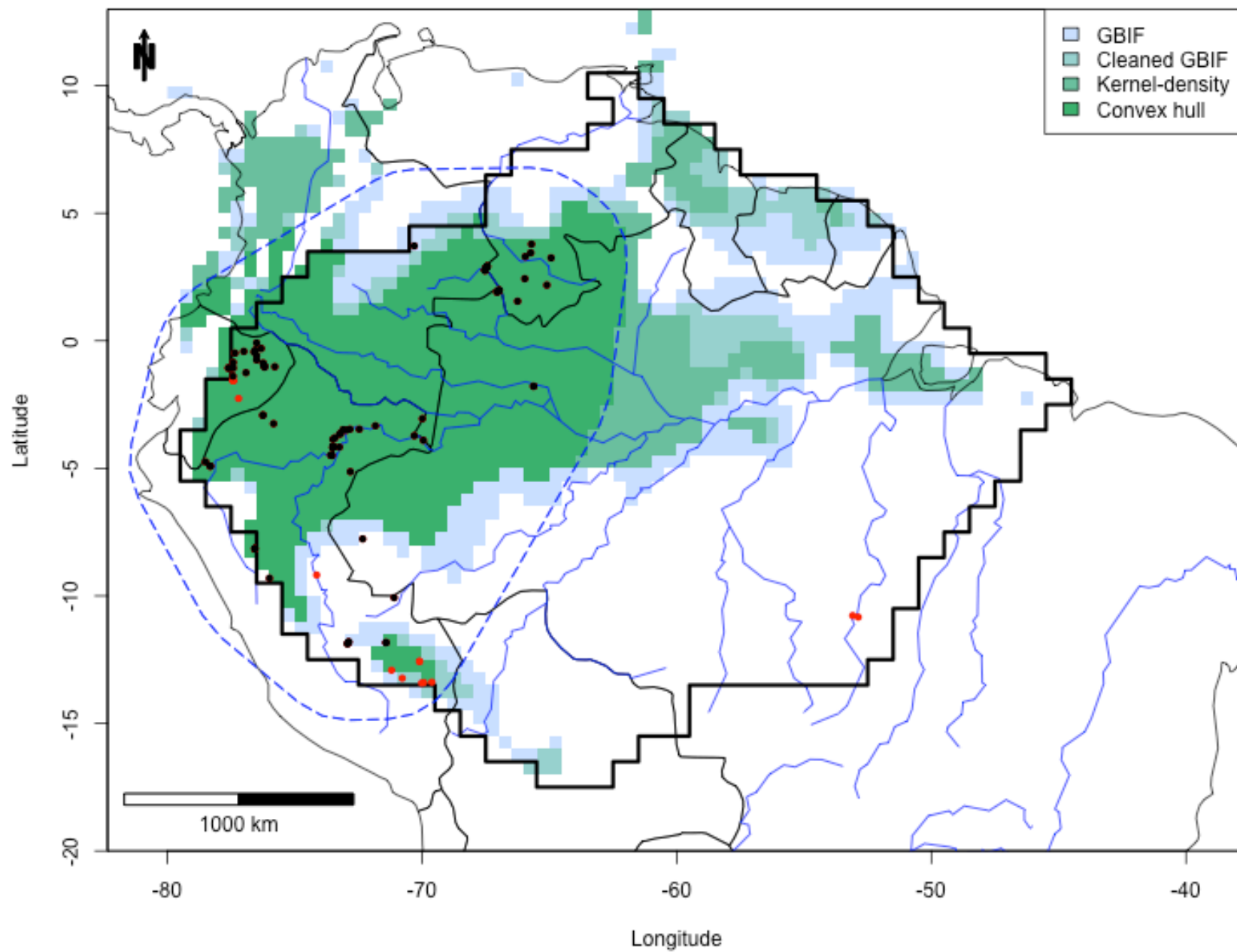
Sagotia racemosa



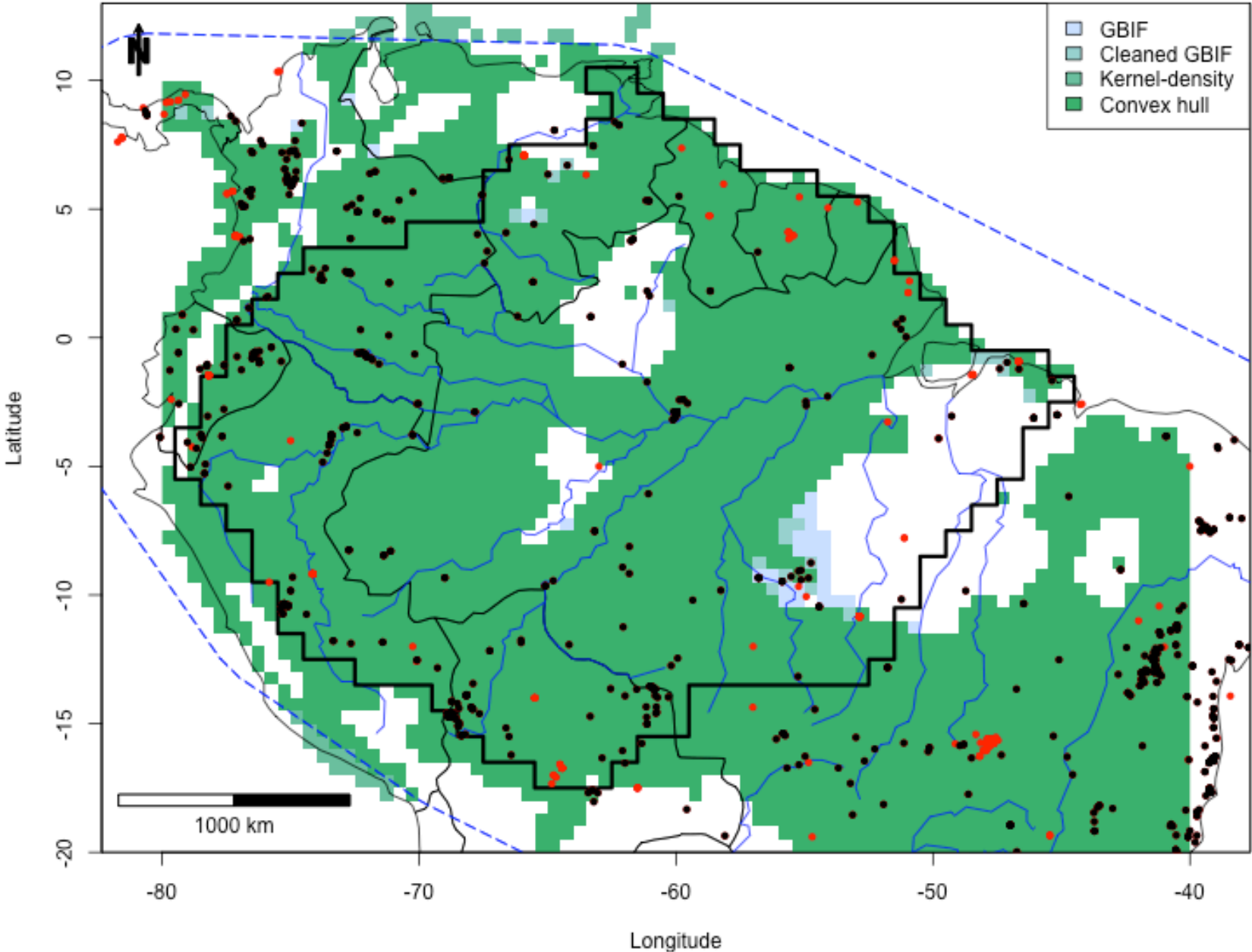
Scleronema micranthum



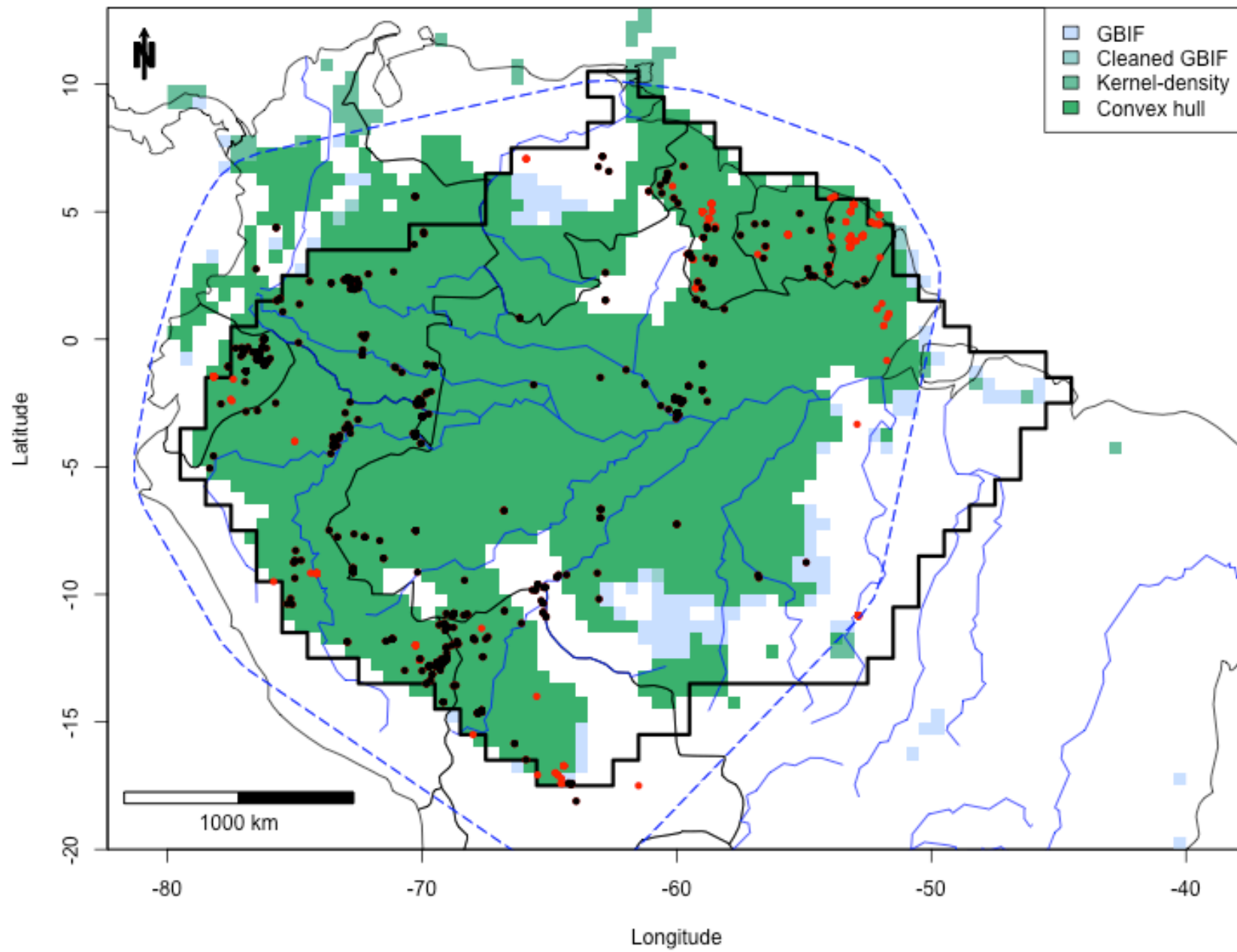
Senefeldera inclinata



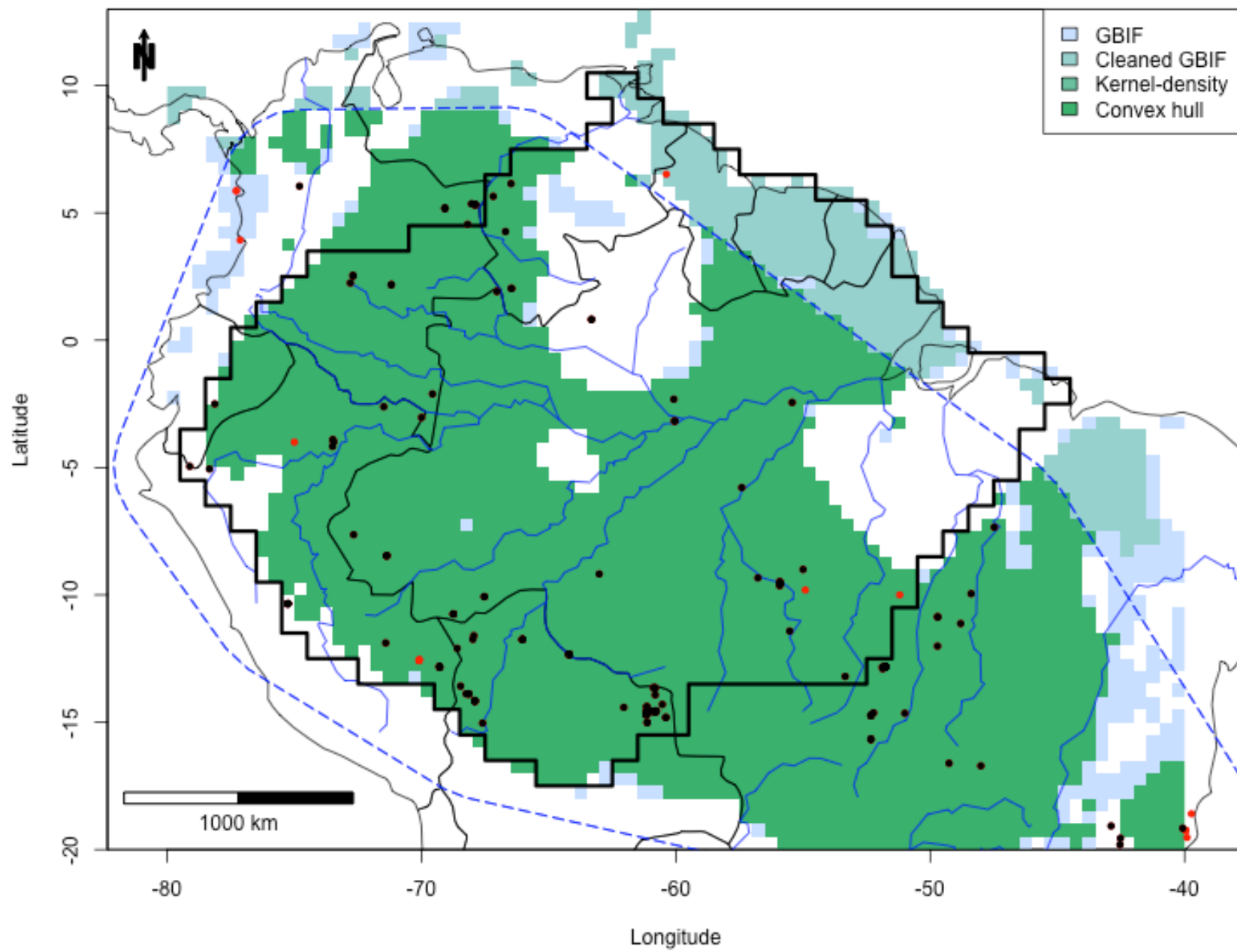
Simarouba amara



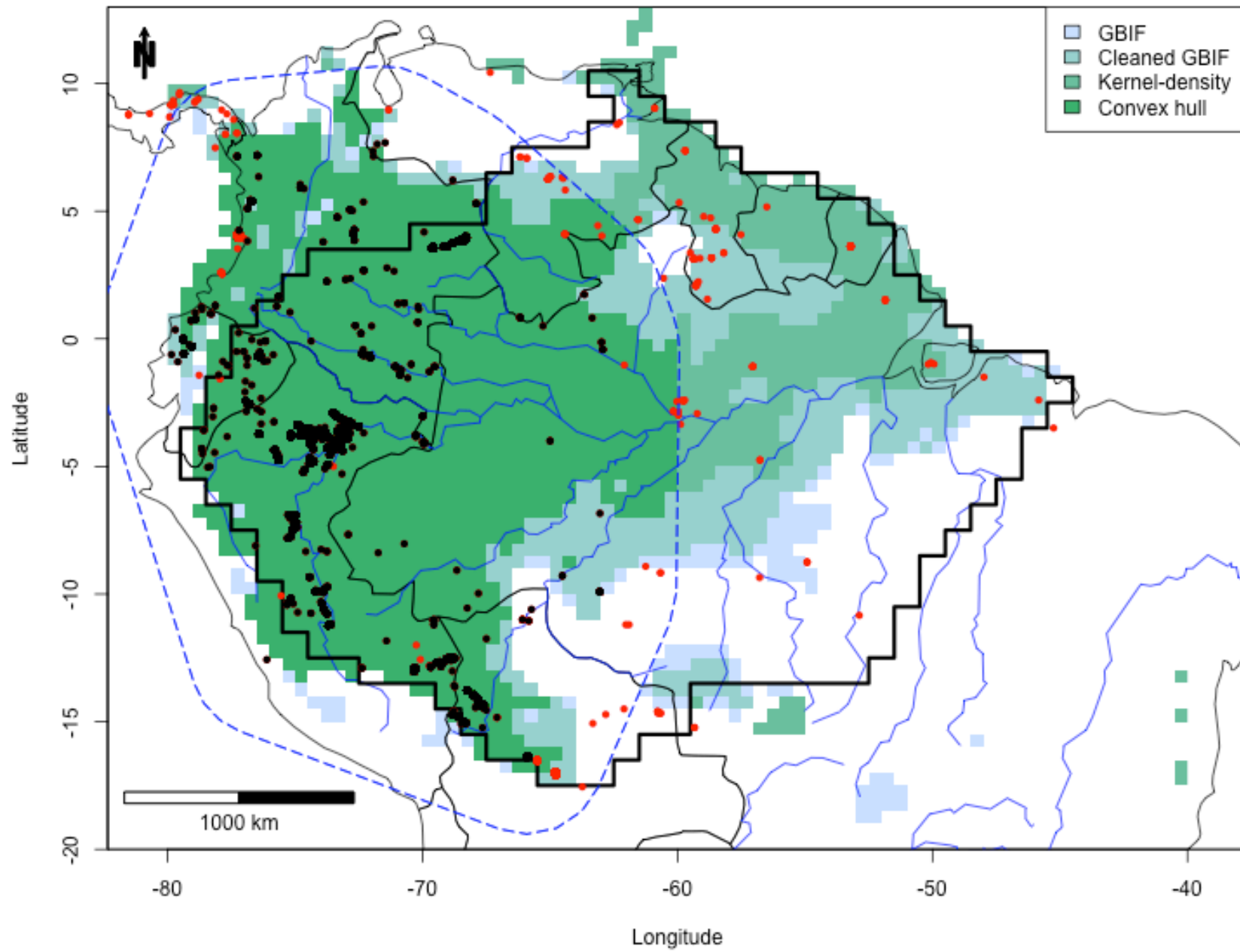
Siparuna decipiens



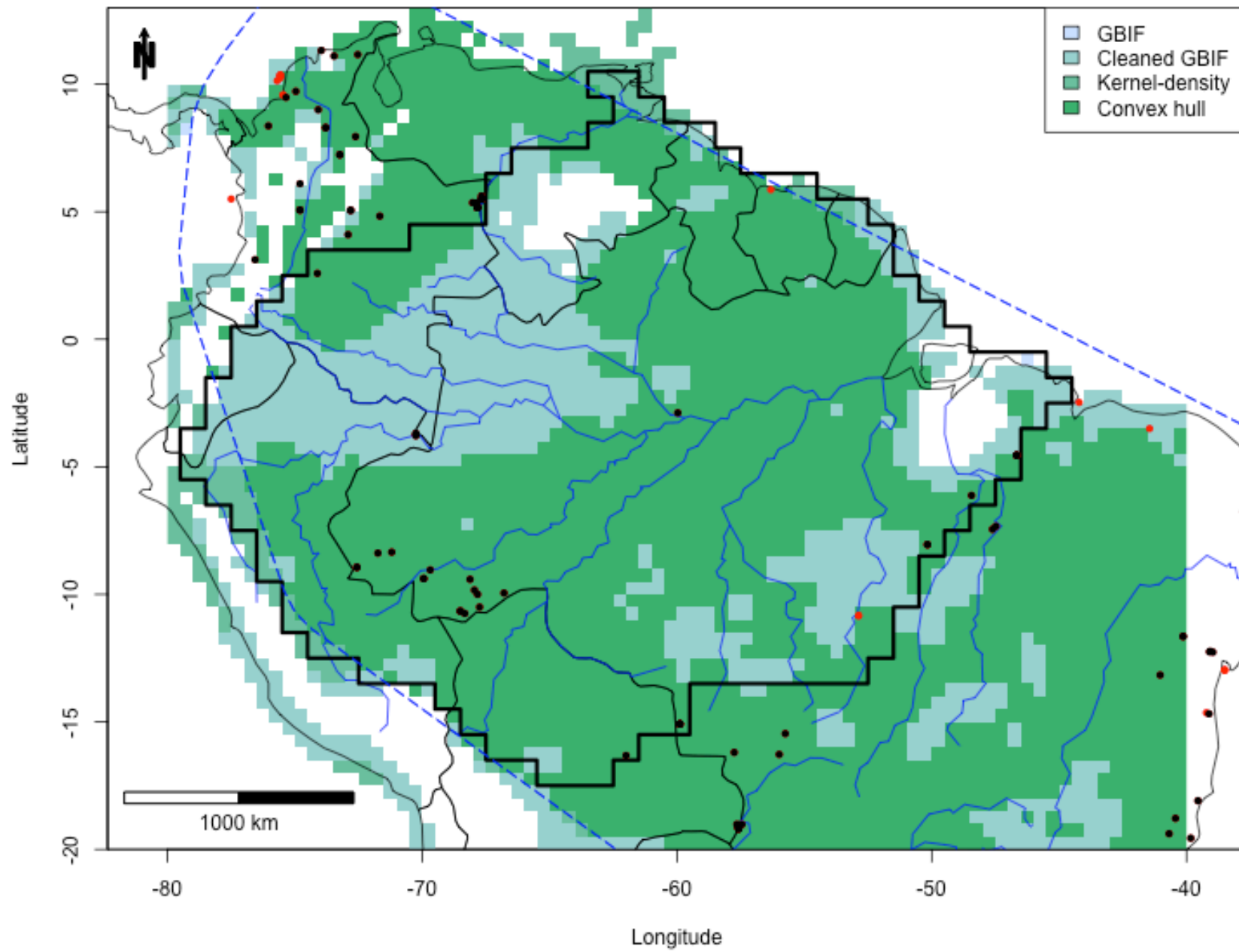
Sloanea eichleri



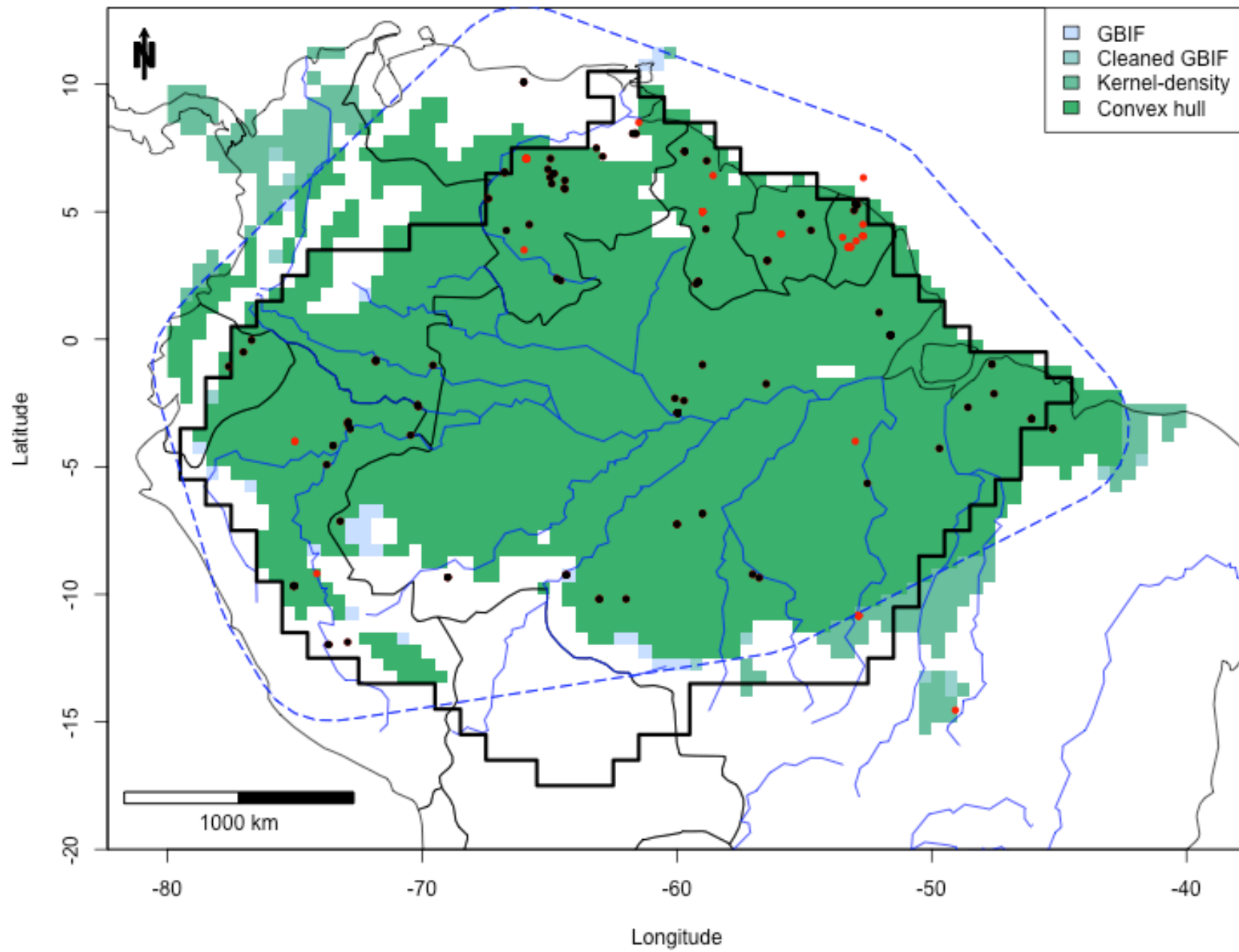
Socratea exorrhiza



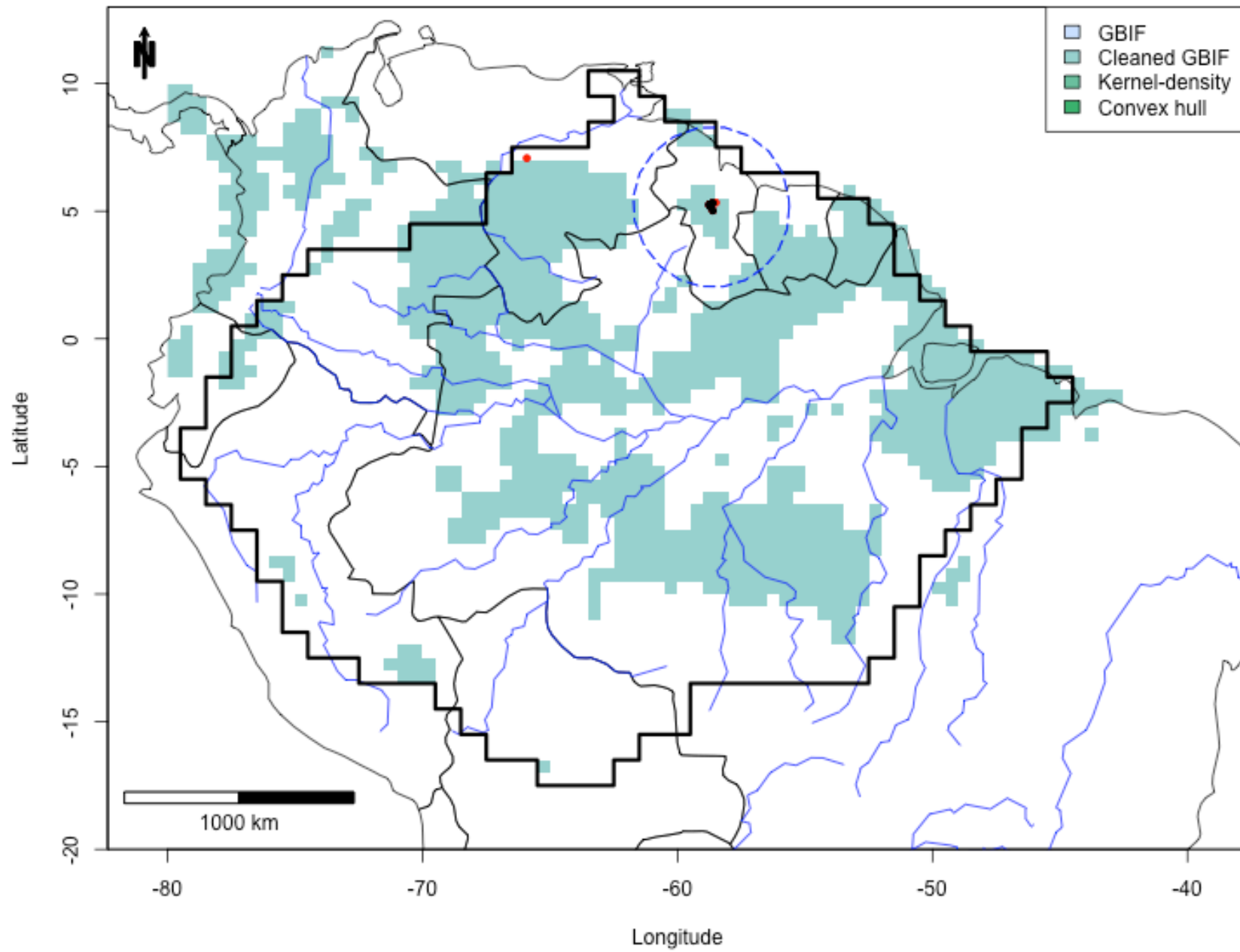
Spondias mombin



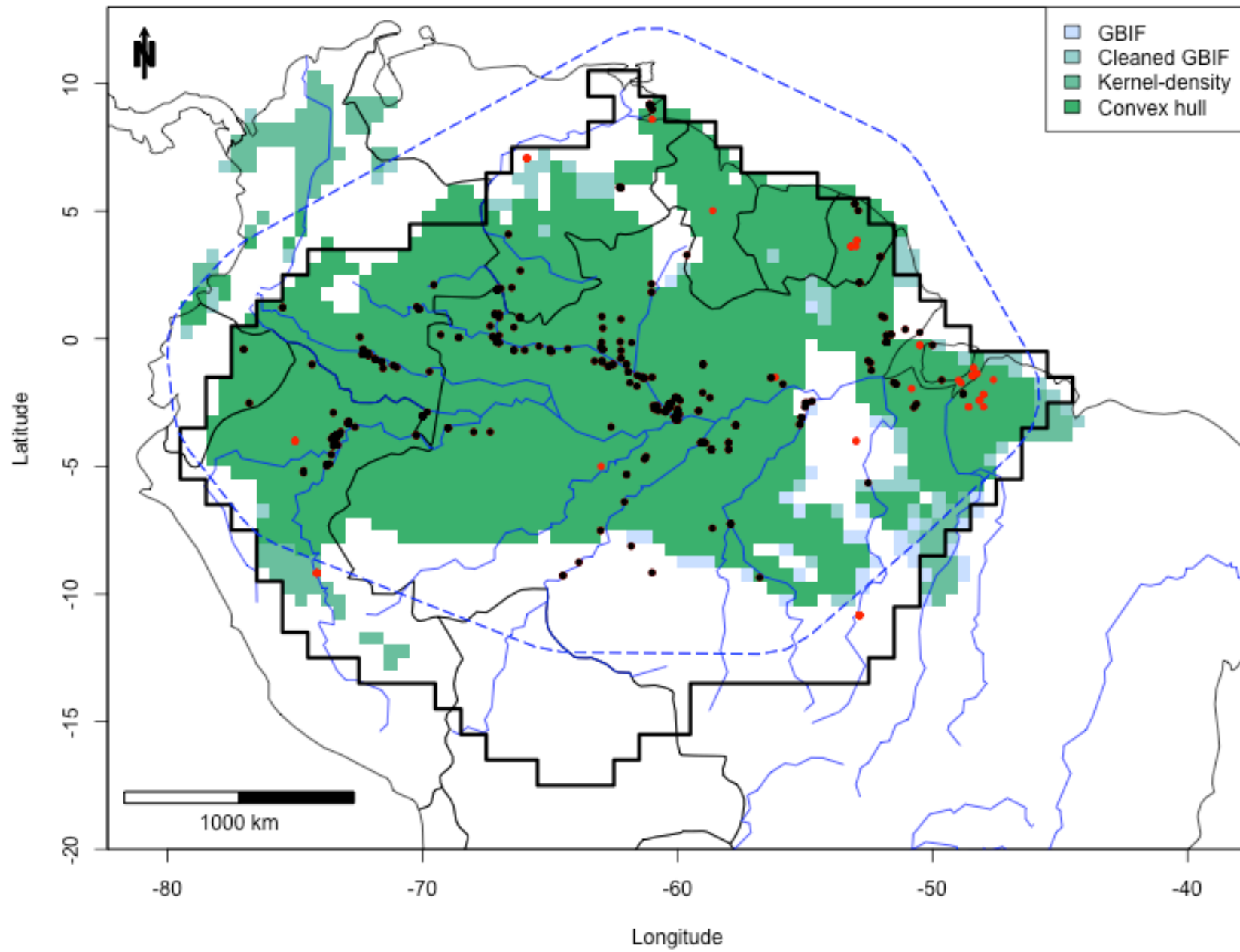
Sterculia pruriens



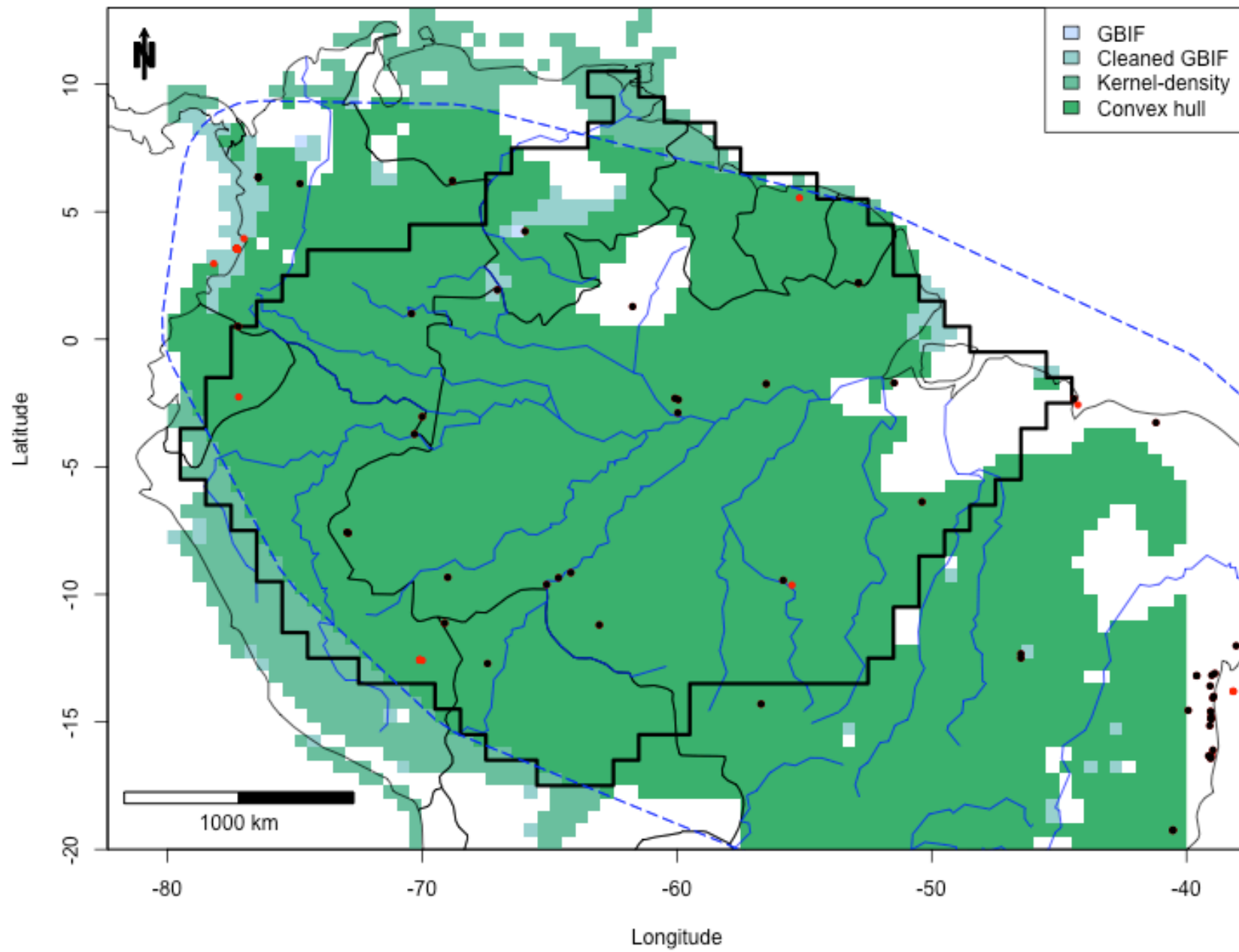
Swartzia leiocalycina



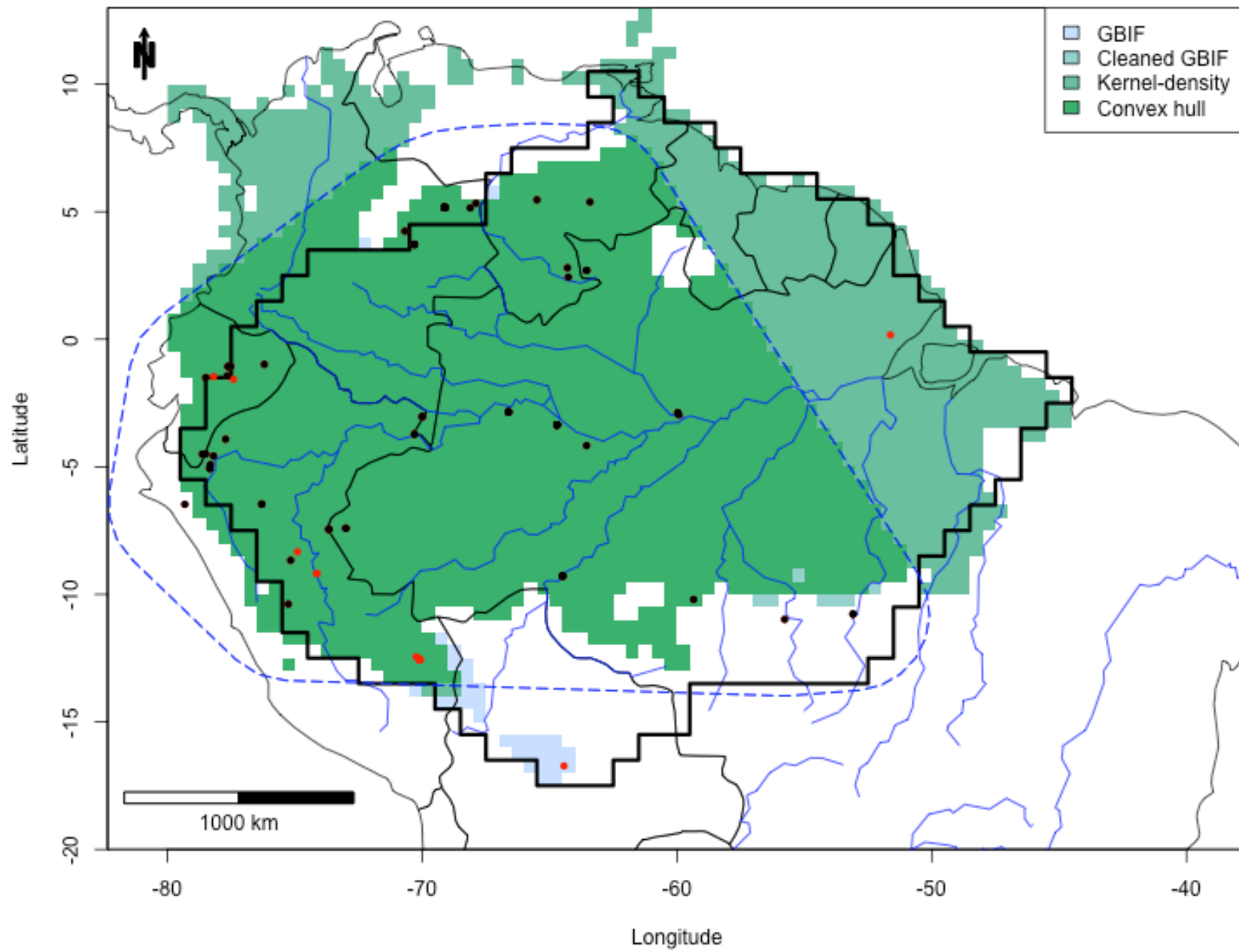
Swartzia polyphylla



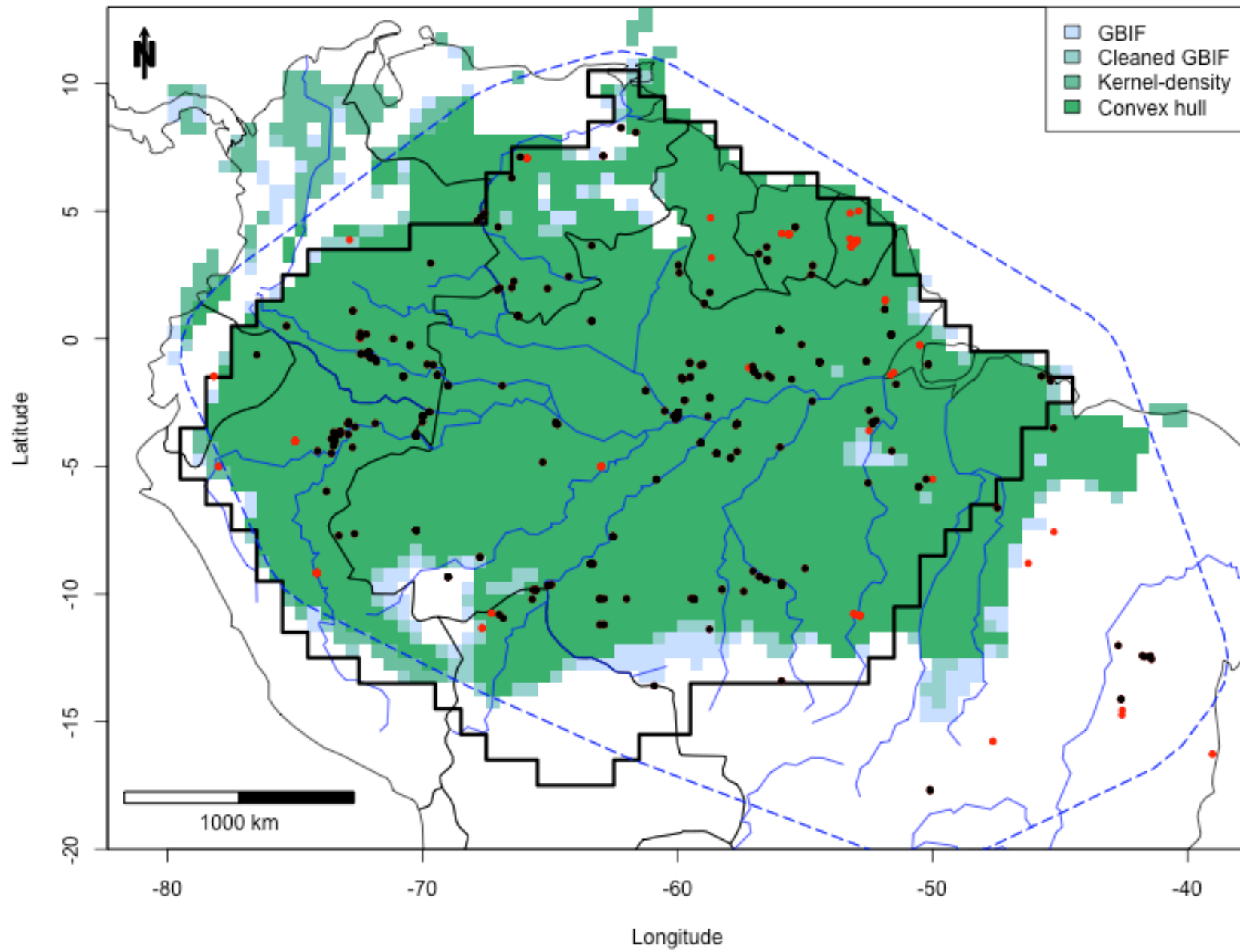
Symphonia globulifera



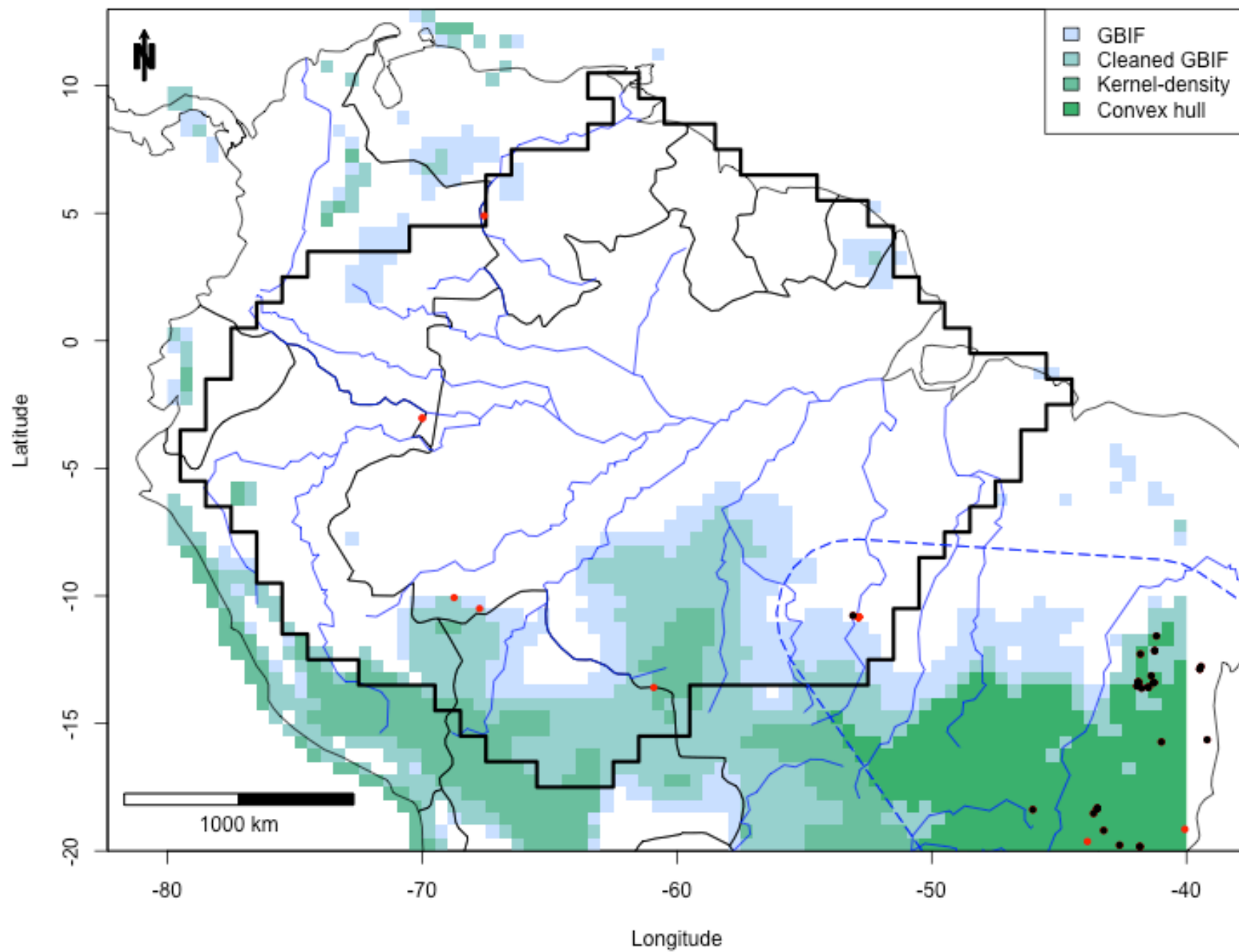
Tachigali chrysophylla



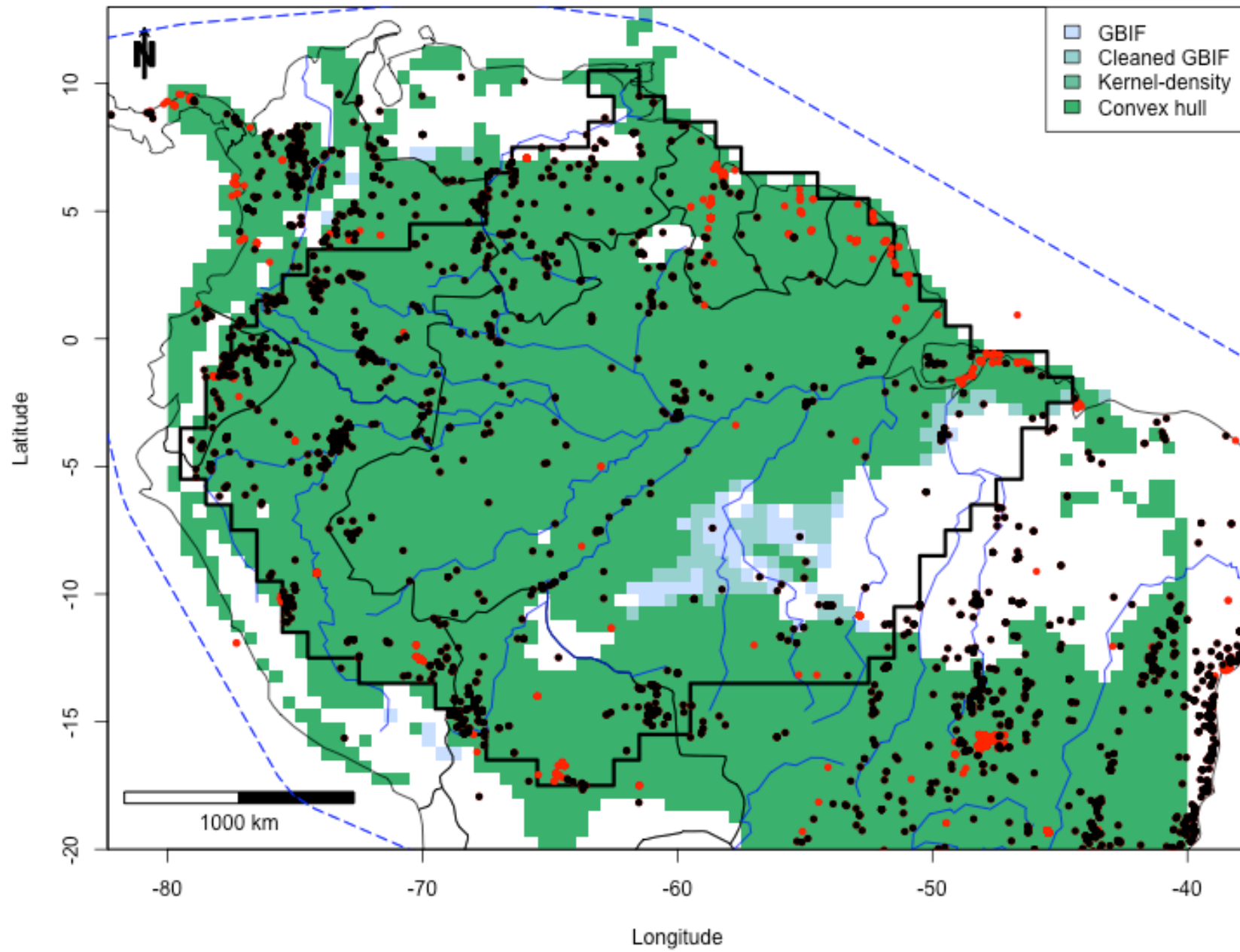
Tachigali paniculata



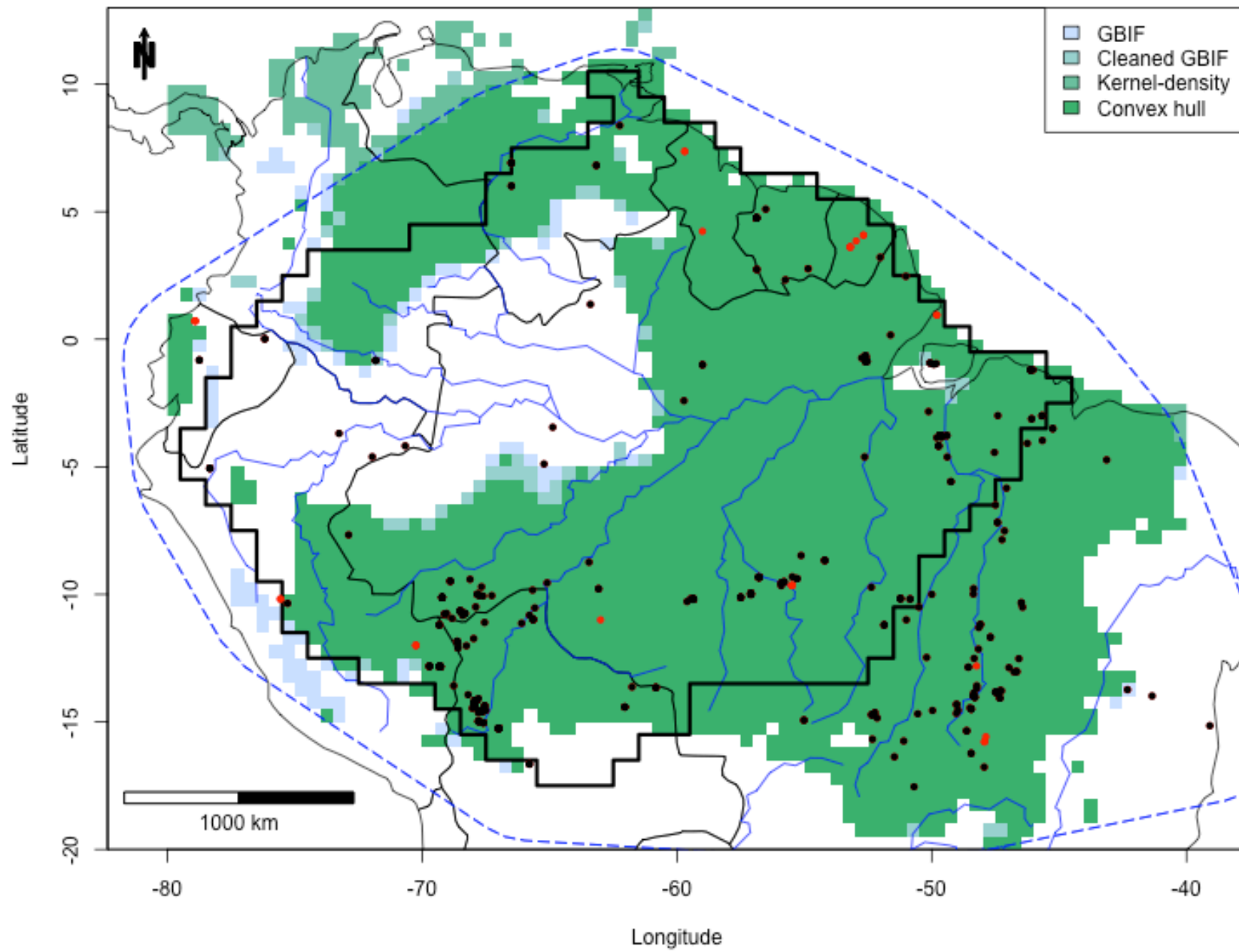
Tachigali rugosa



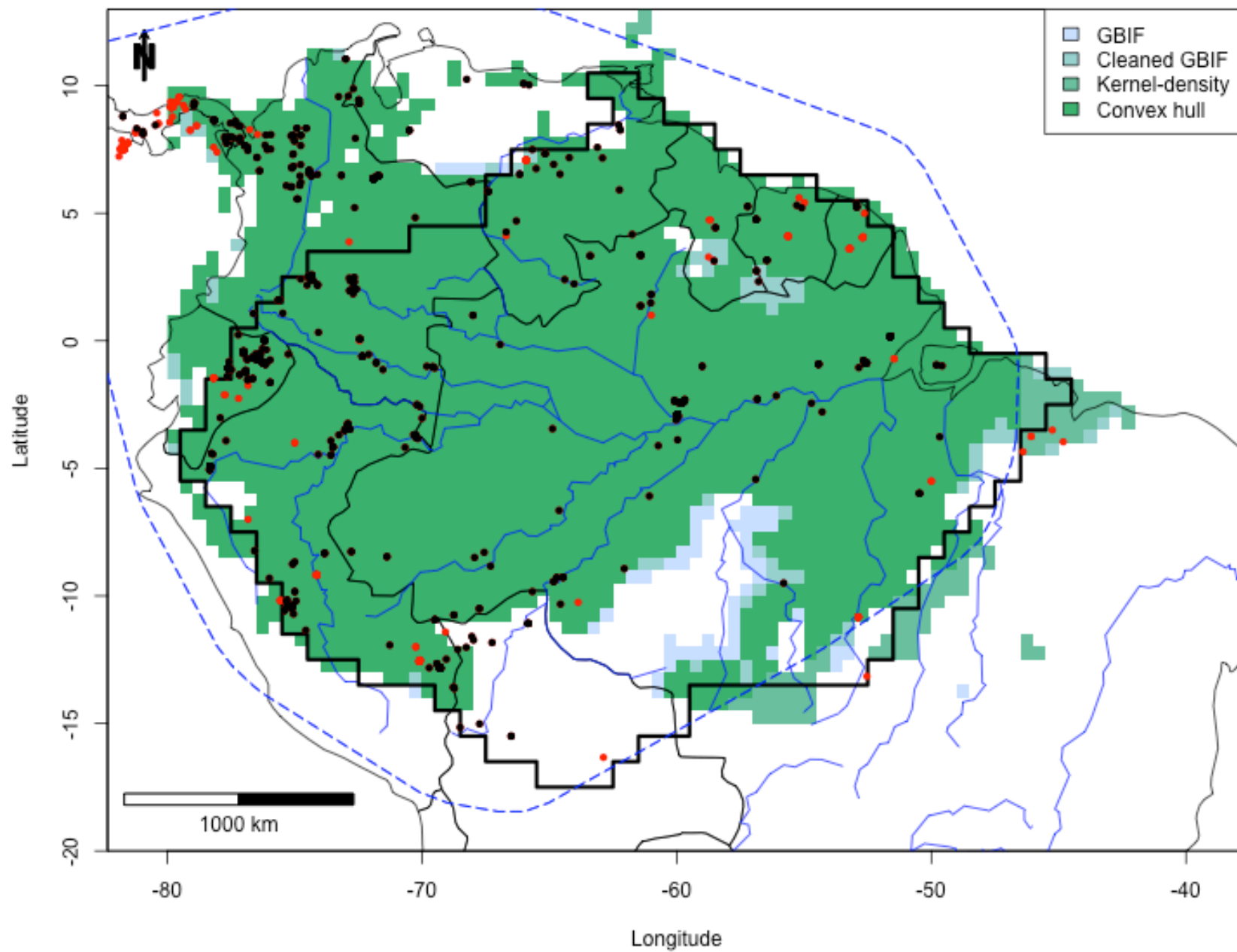
Tapirira guianensis



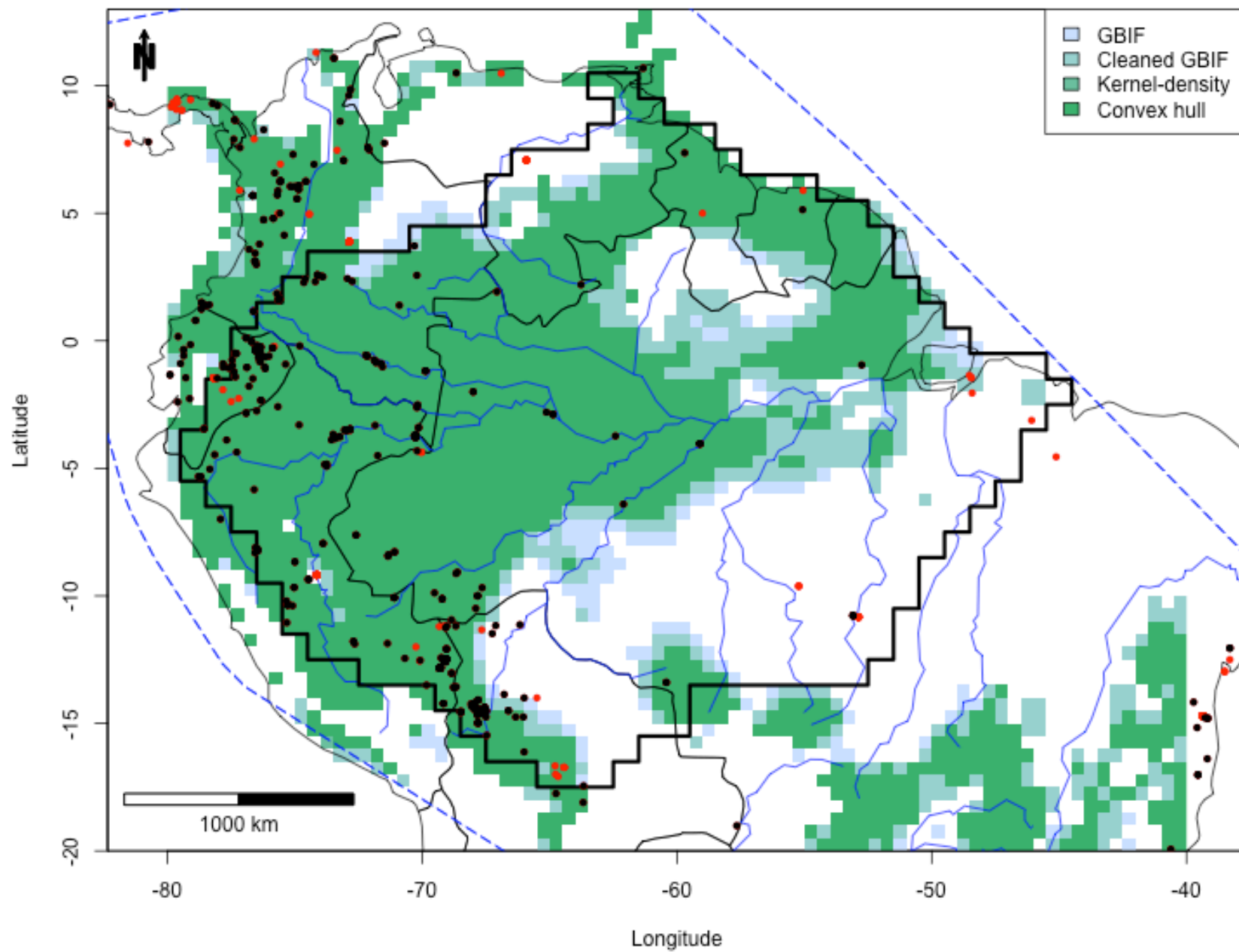
Tetragastris altissima



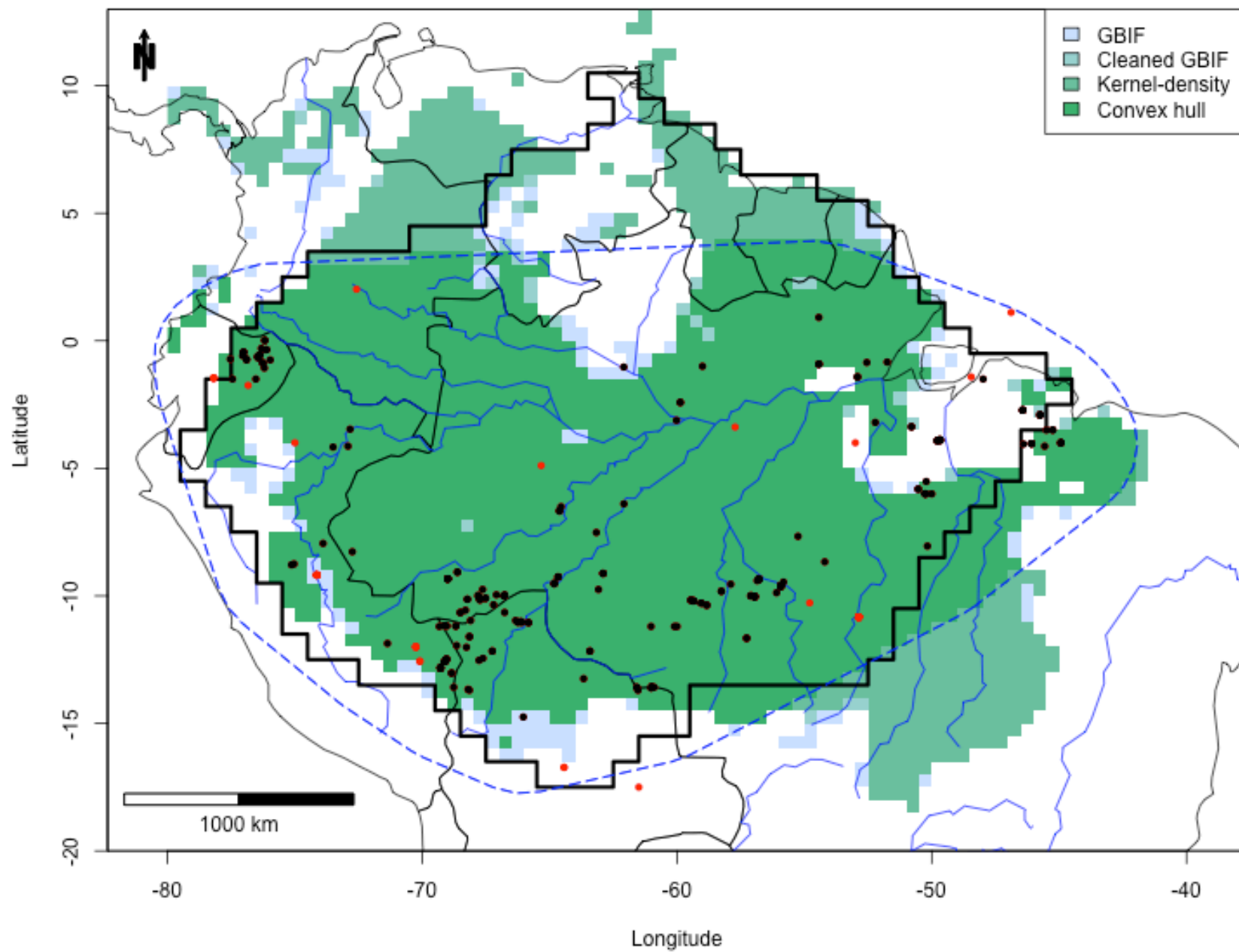
Tetragastris panamensis



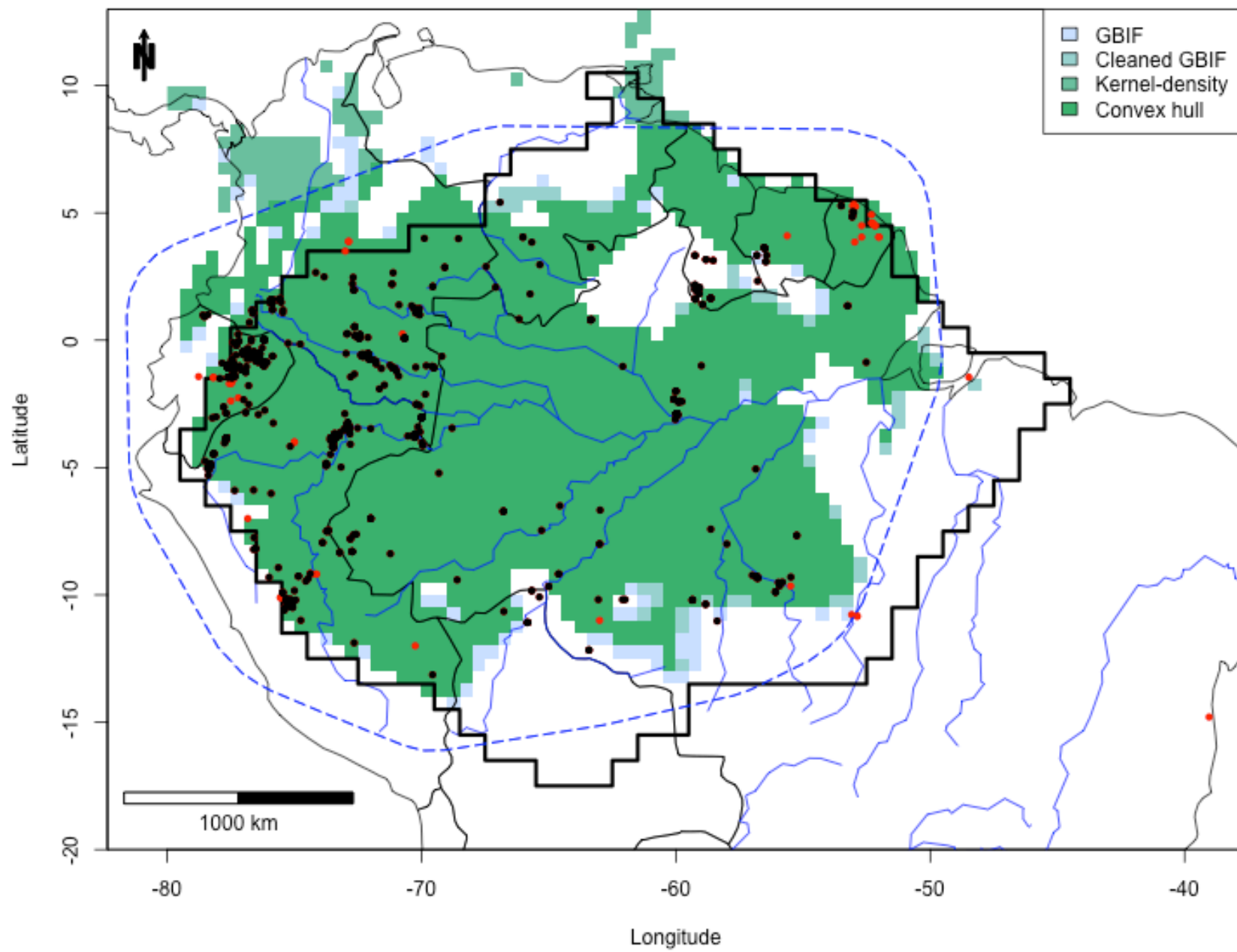
Theobroma cacao



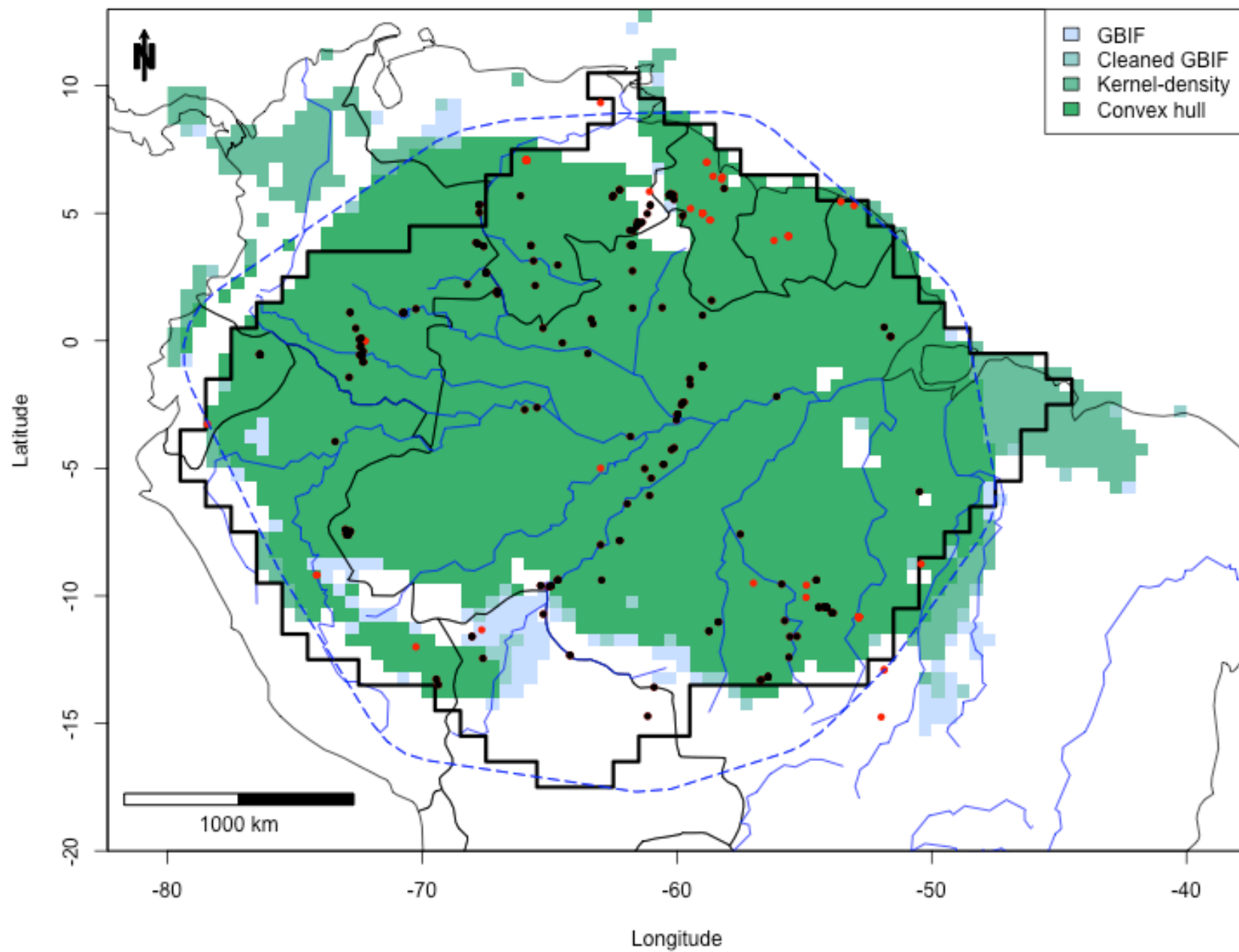
Theobroma speciosum



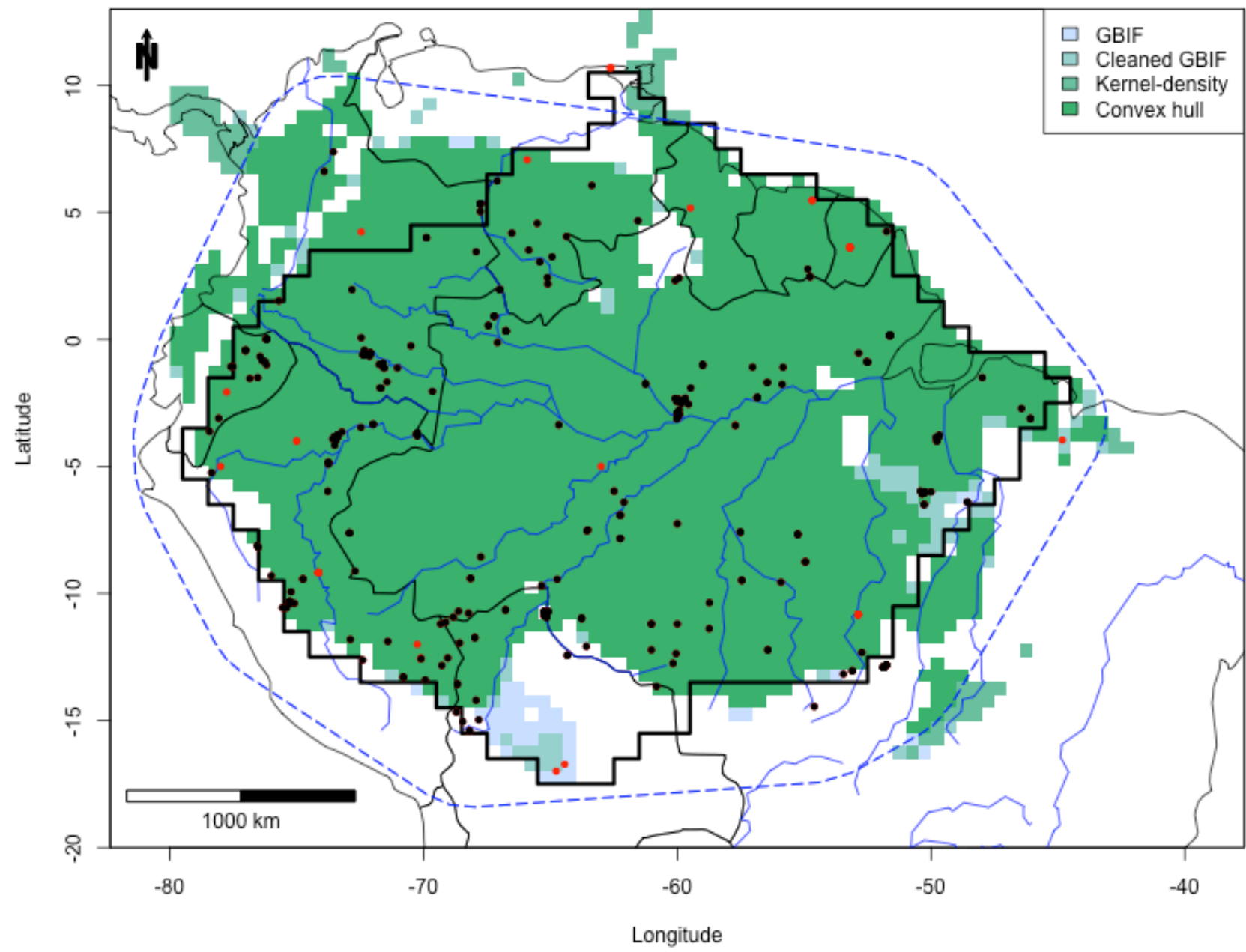
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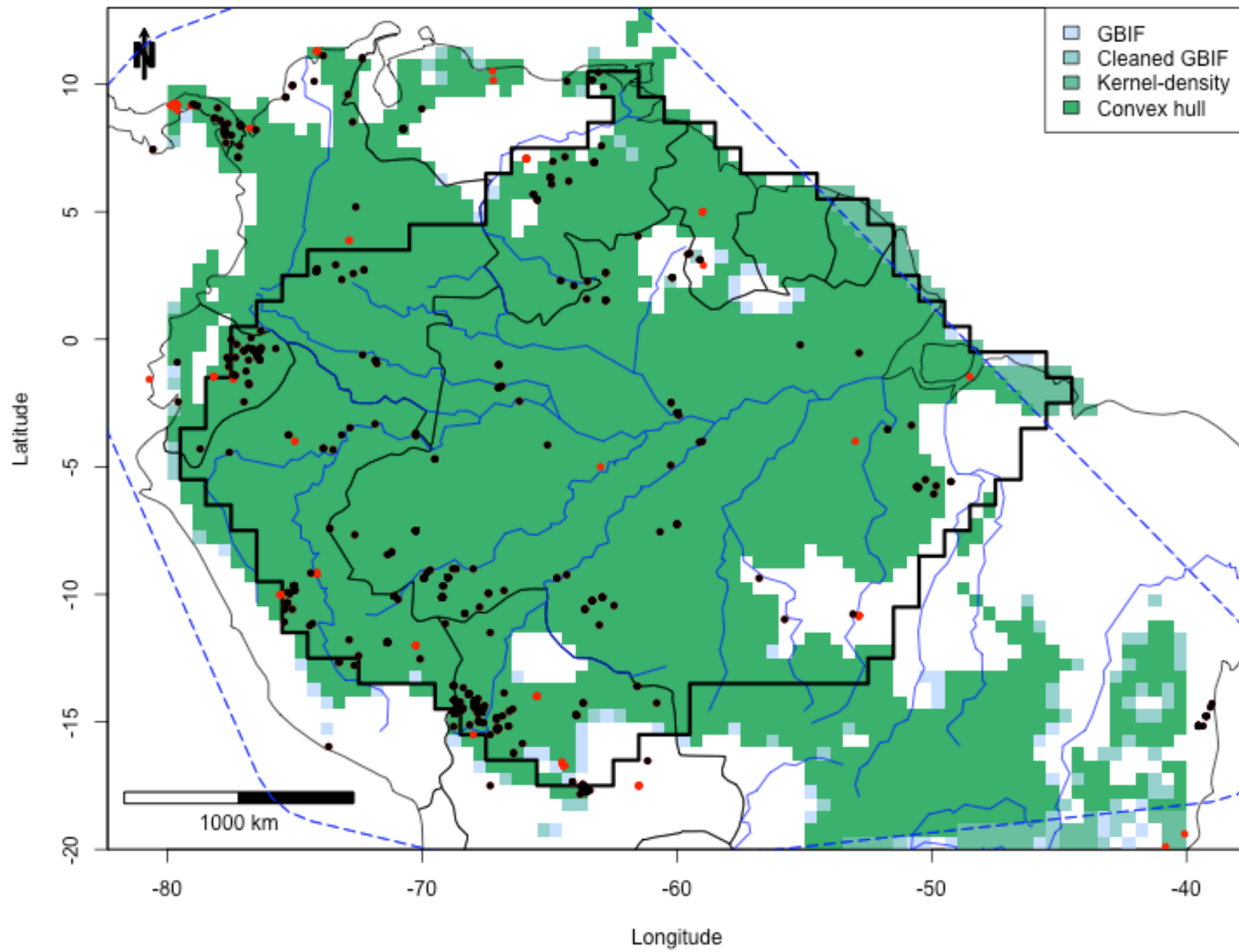
Trattinnickia burserifolia



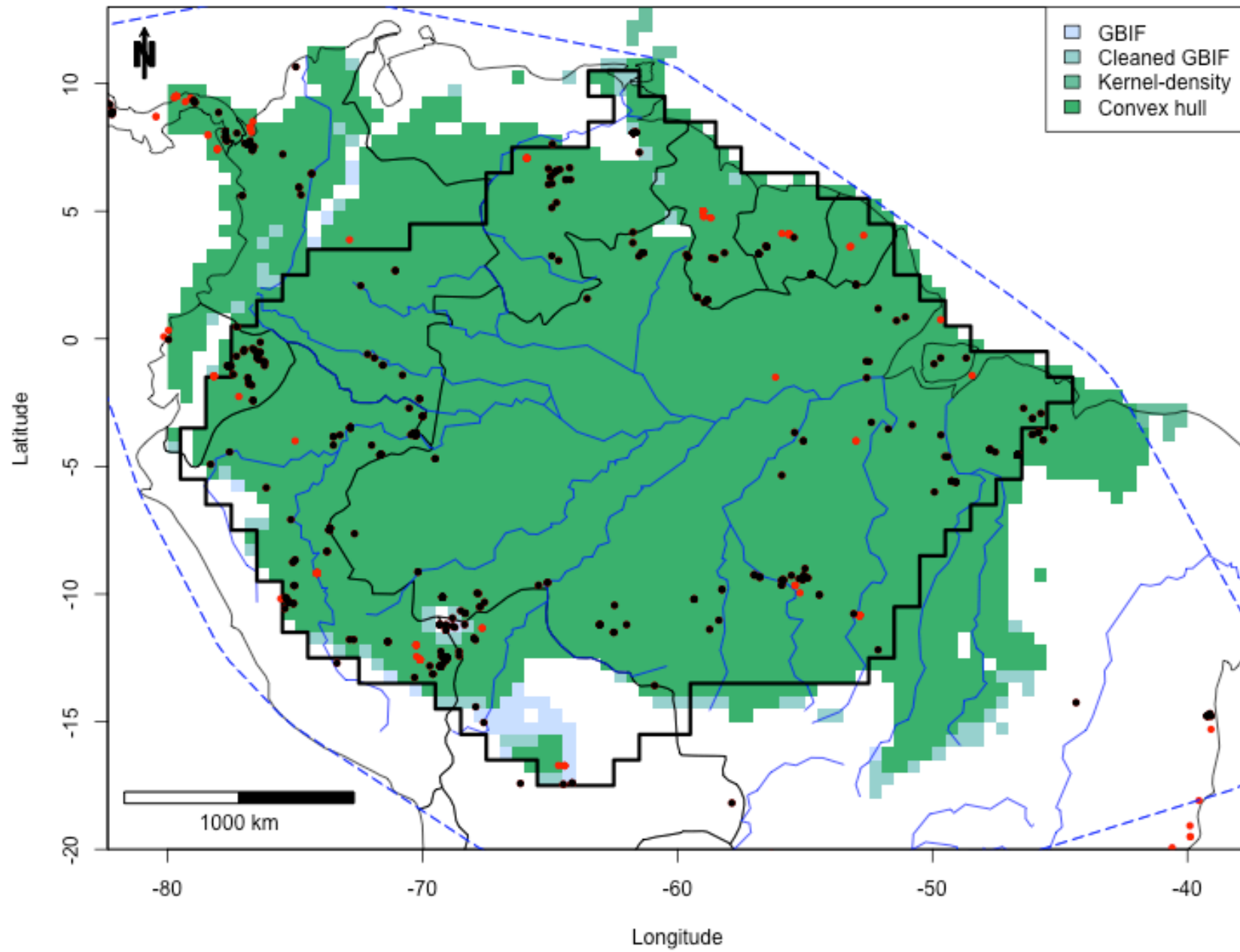
Trichilia micrantha



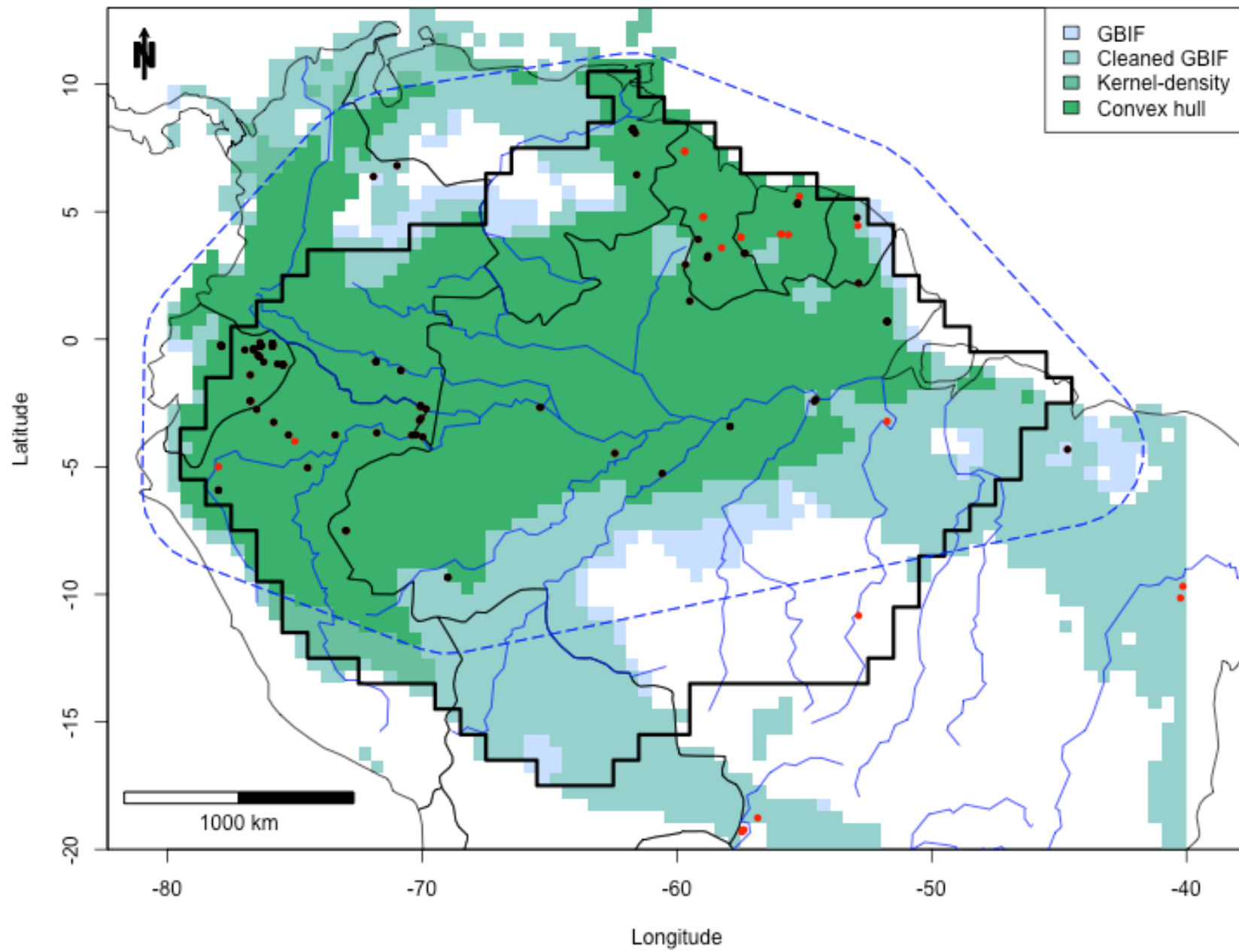
Trichilia pleeana



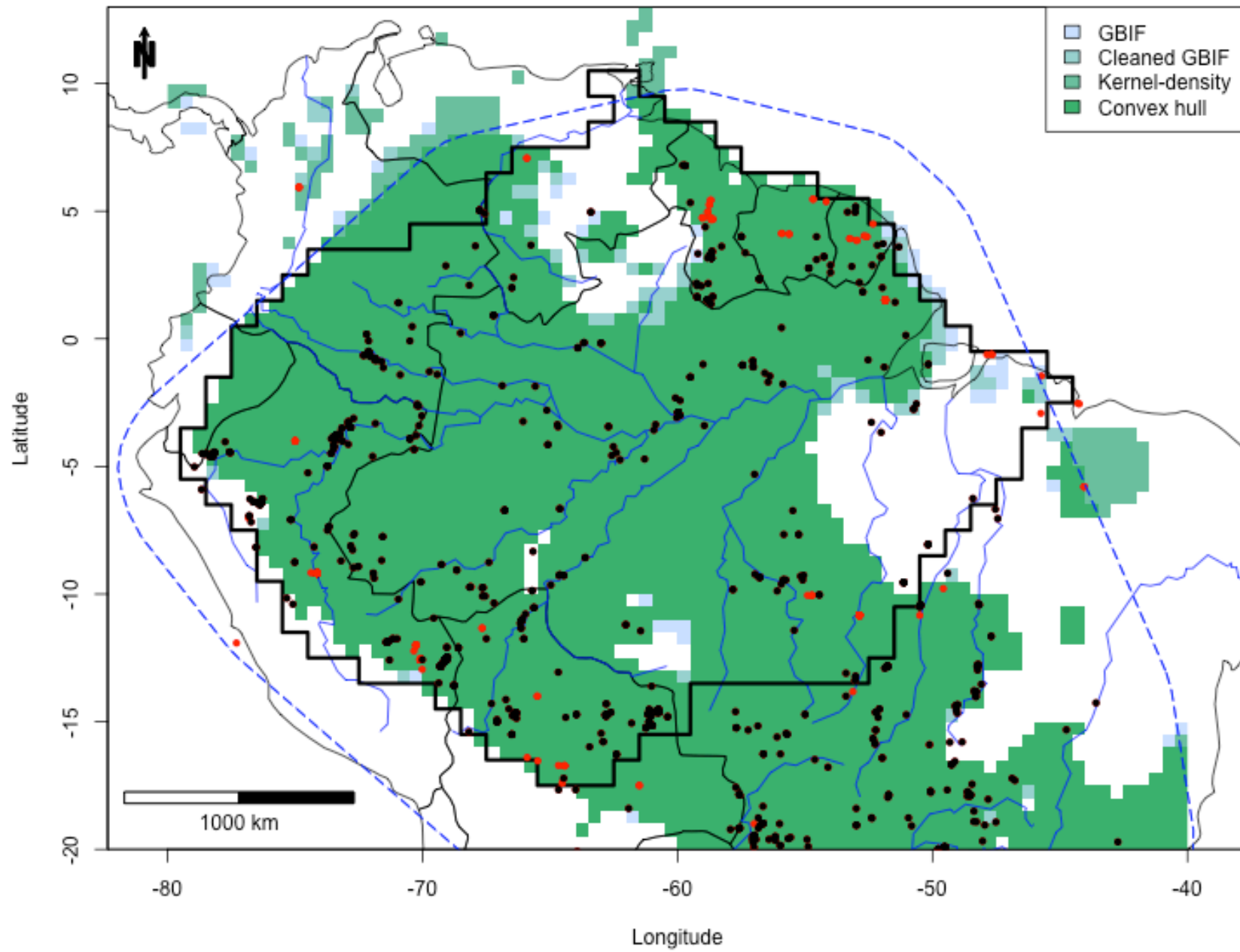
Trichilia quadrijuga



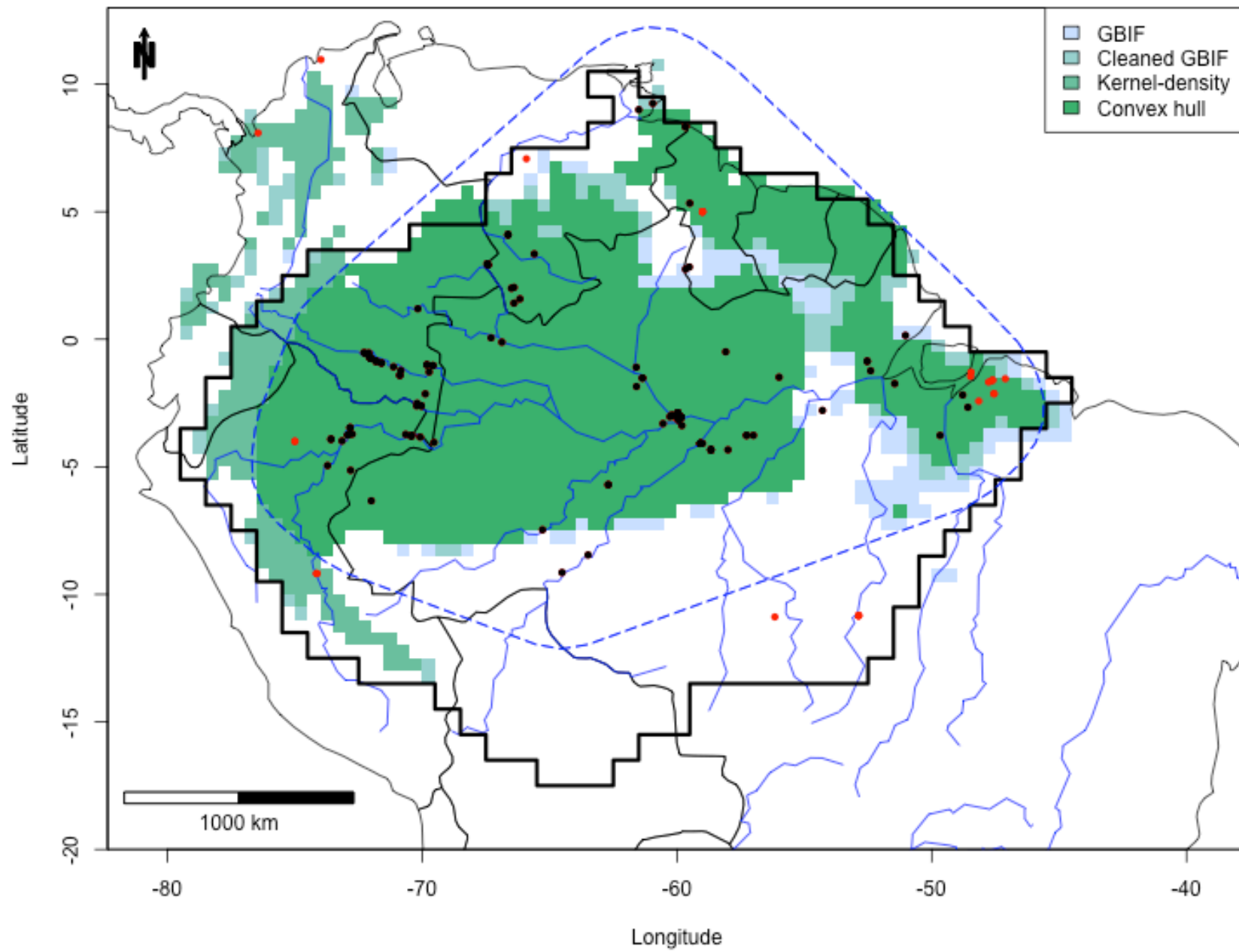
Triplaris weigeltiana



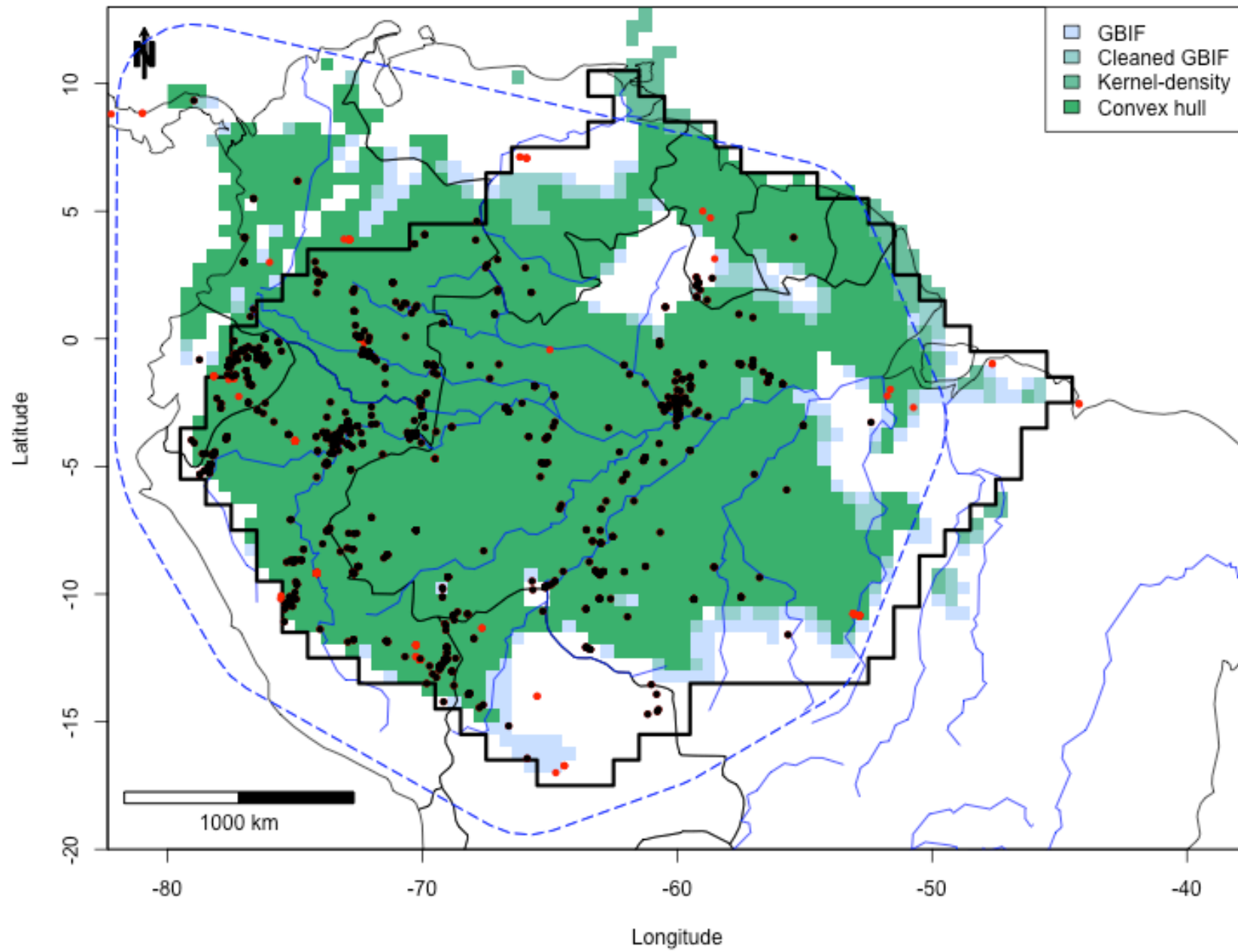
Unonopsis guatterioides



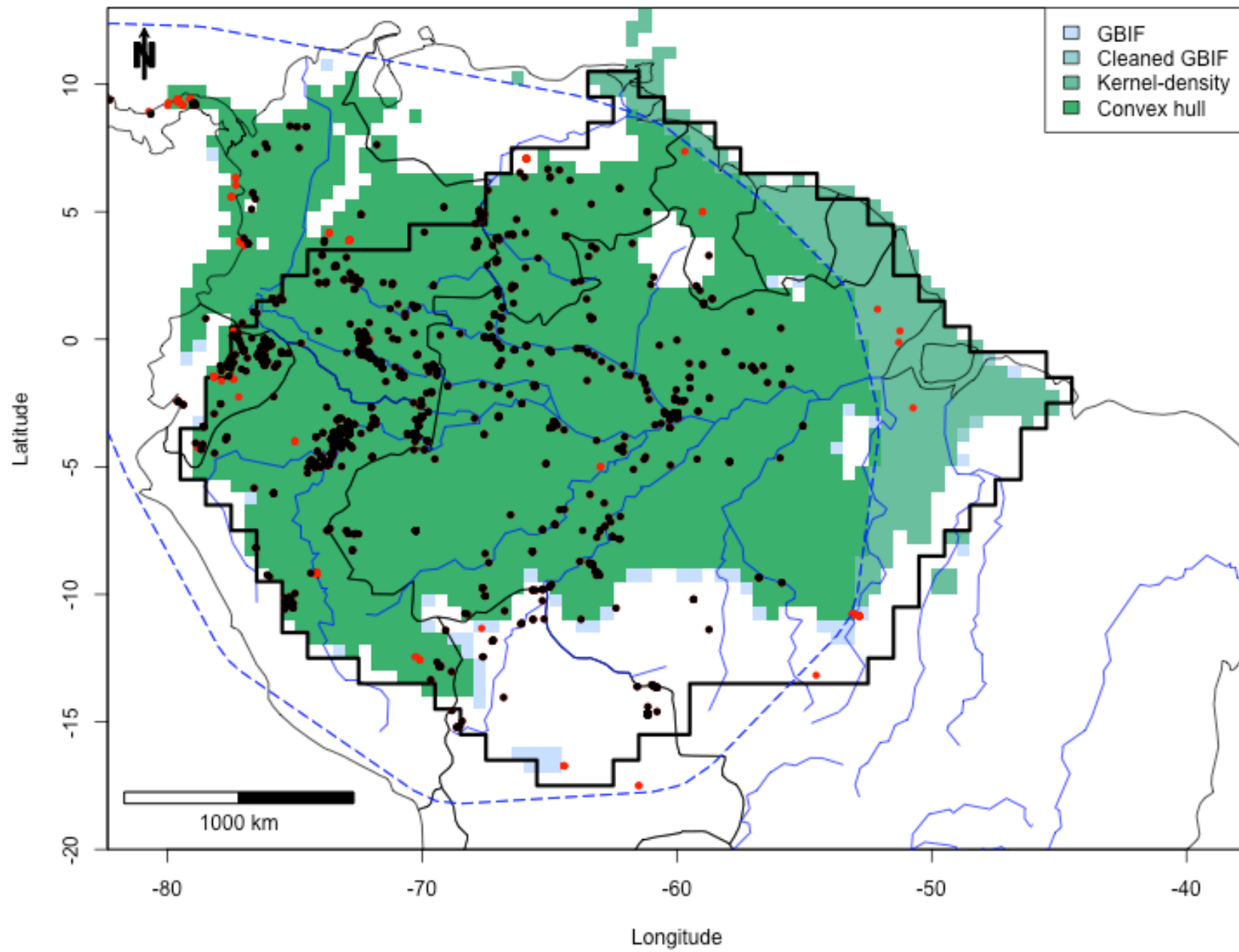
Vatairea guianensis



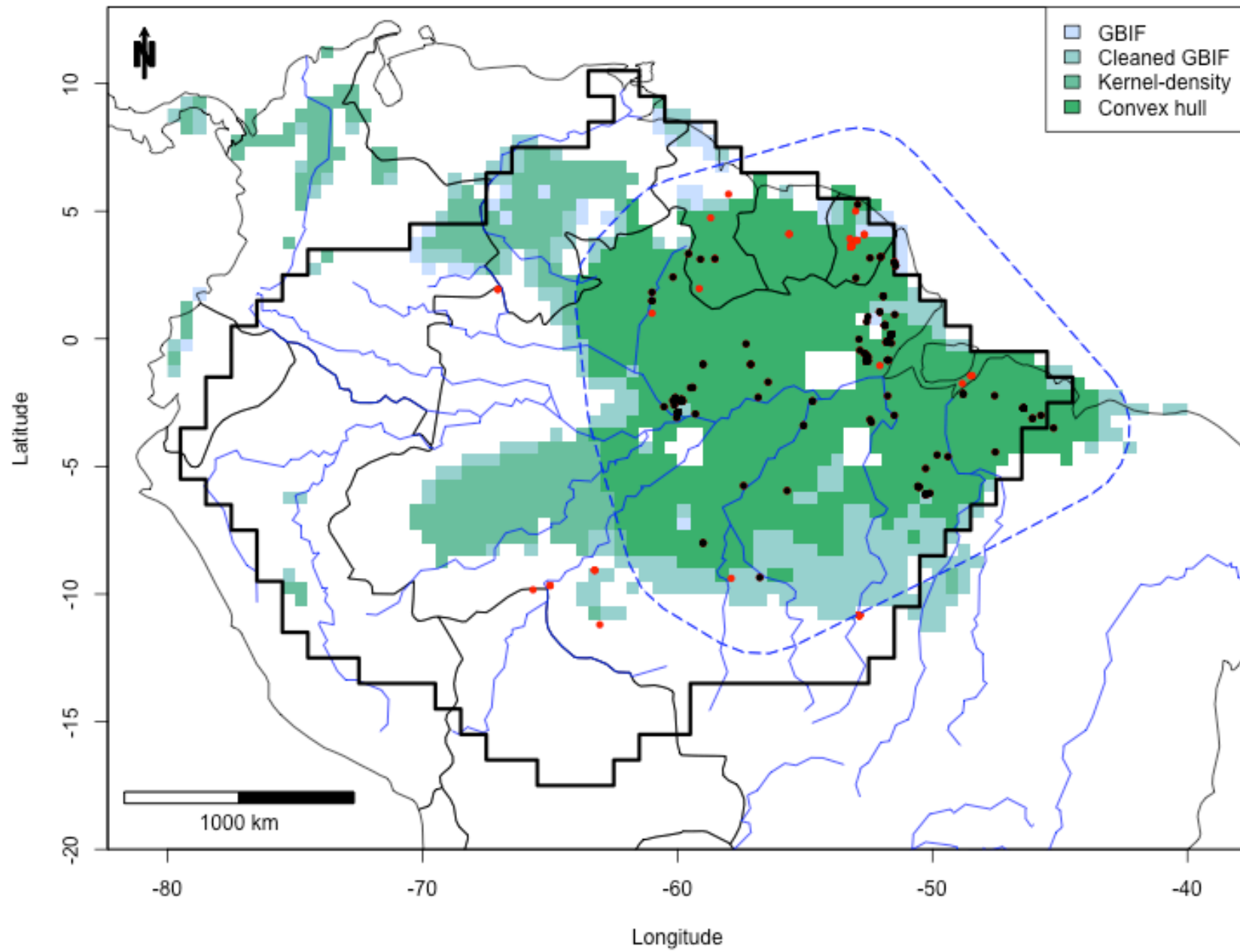
Virola calophylla



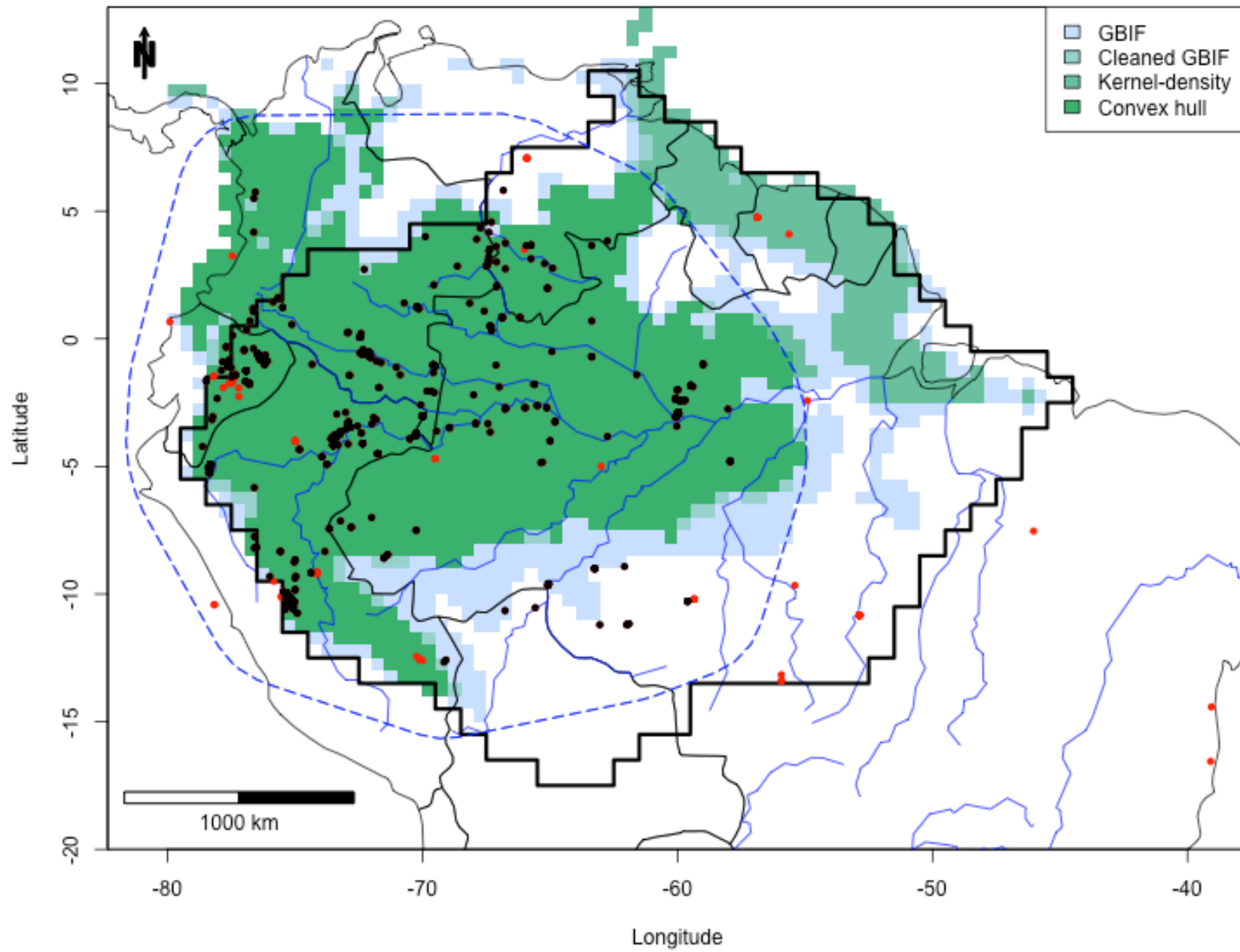
Virola elongata



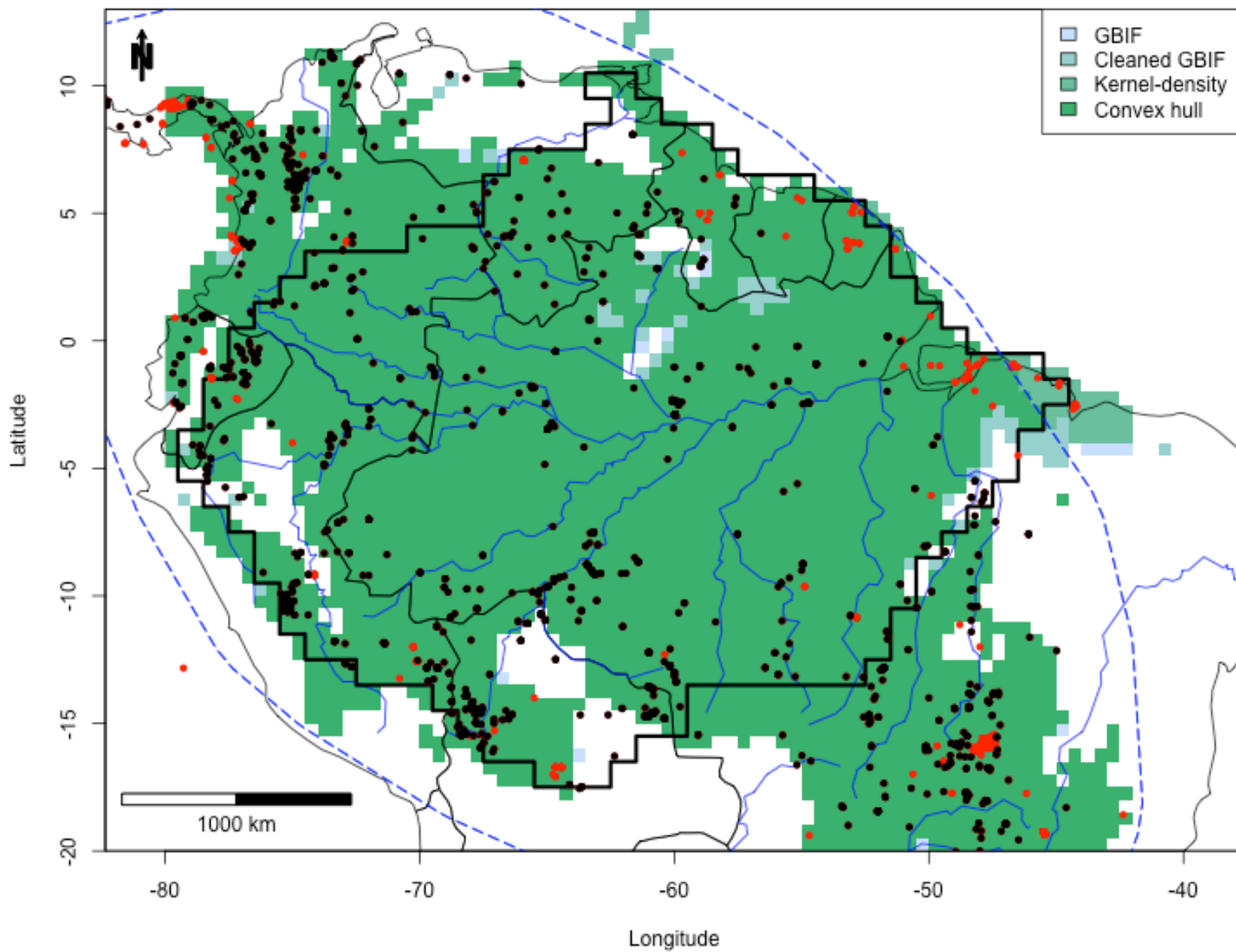
Virola michelii



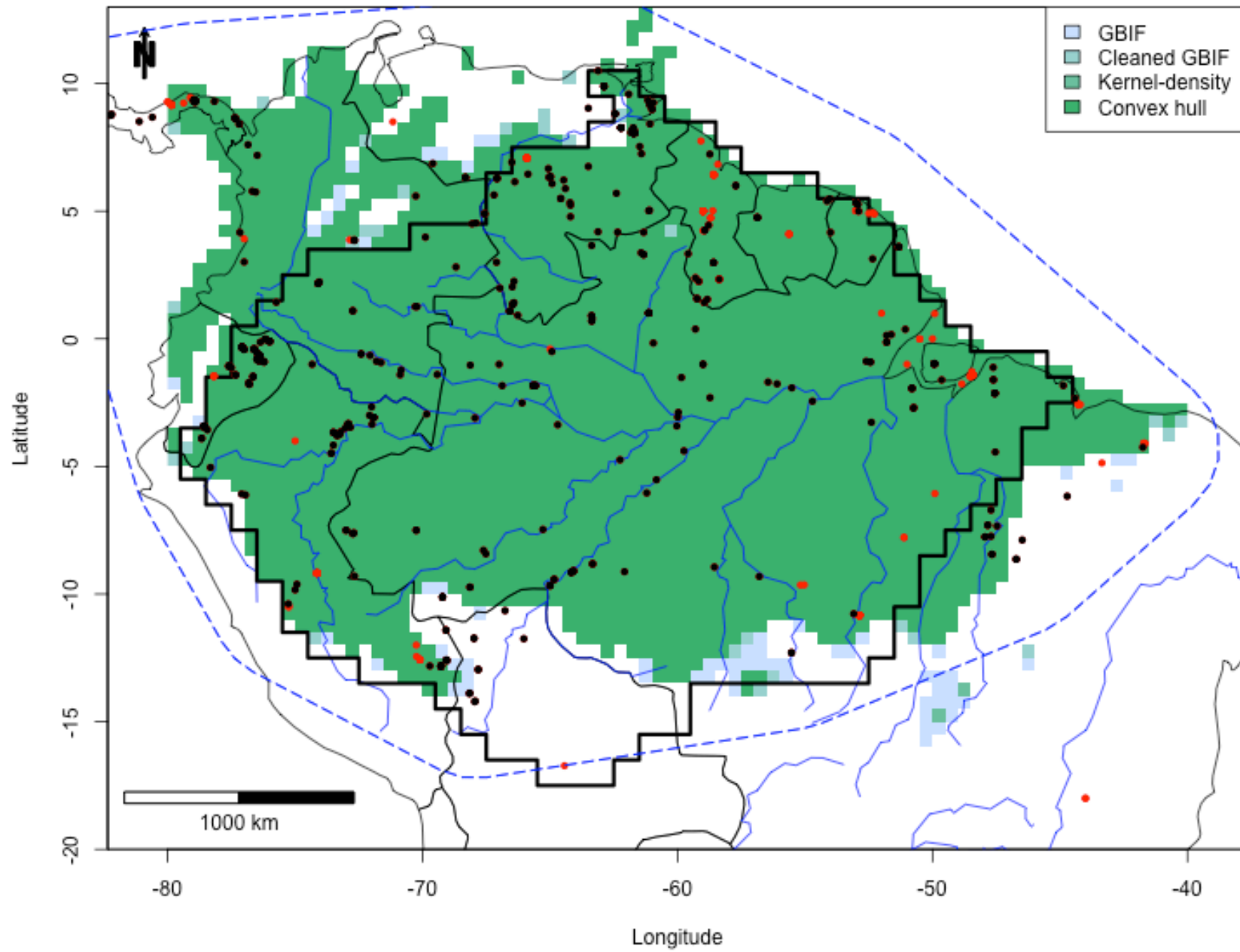
Viola pavonis



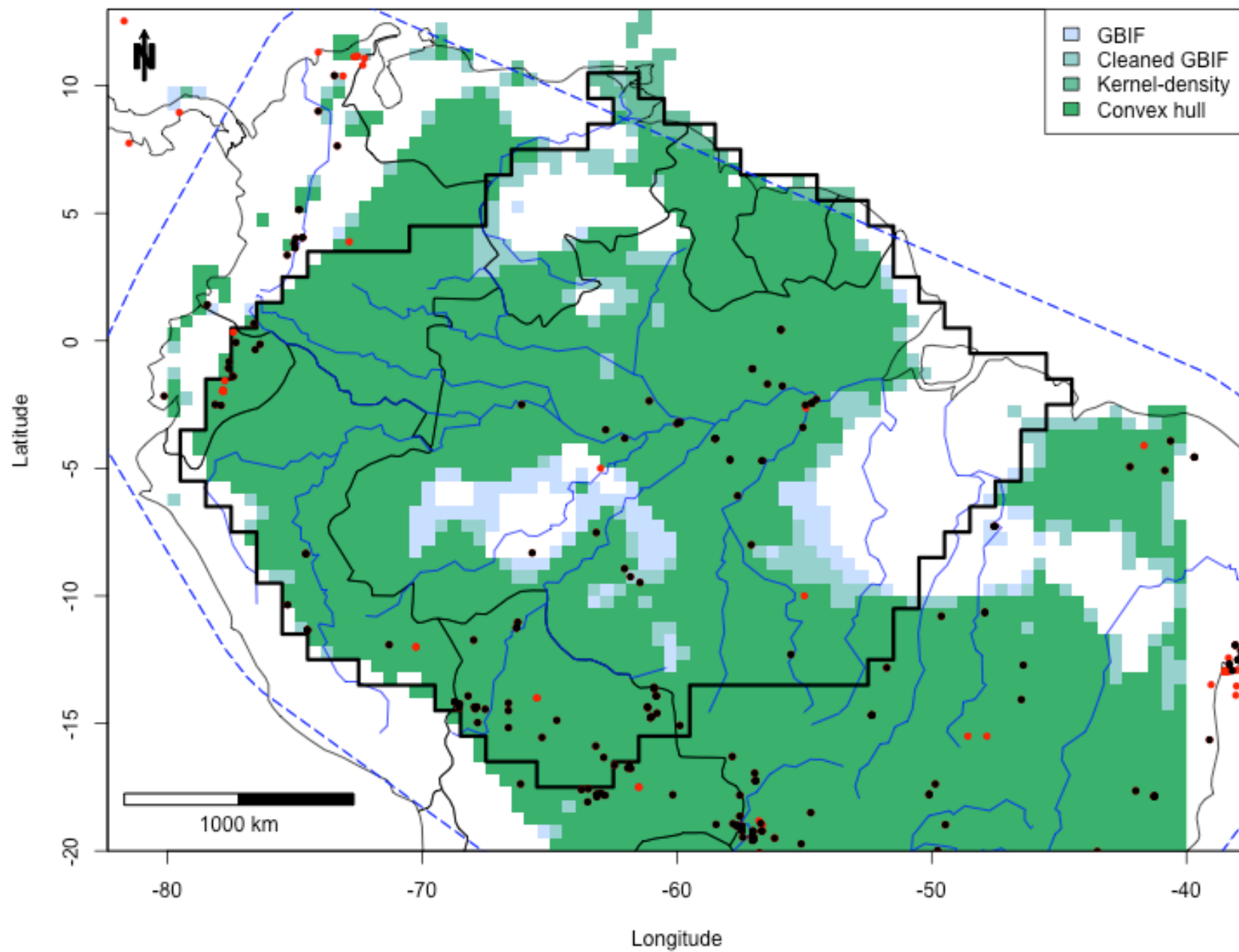
Virola sebifera



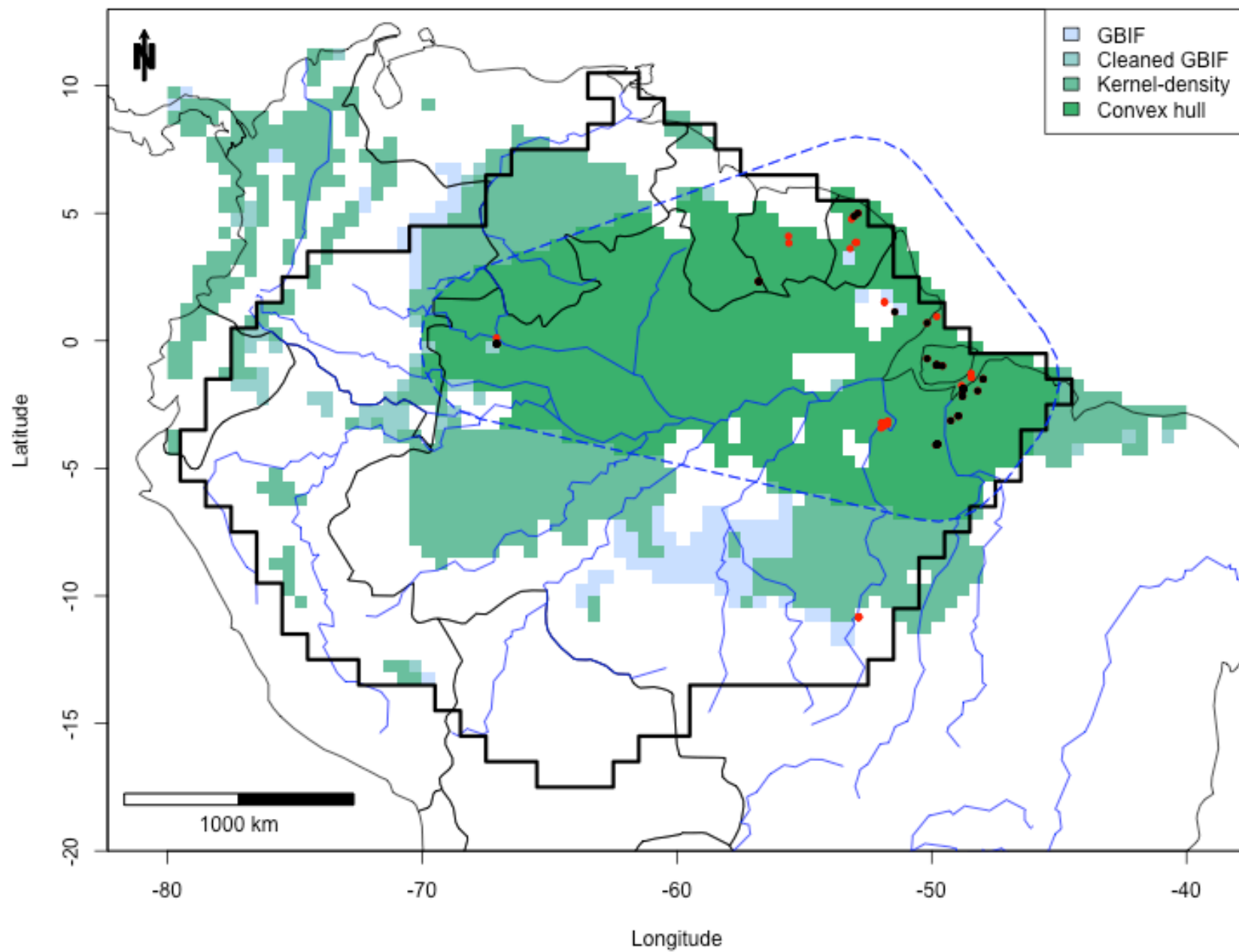
Virola surinamensis



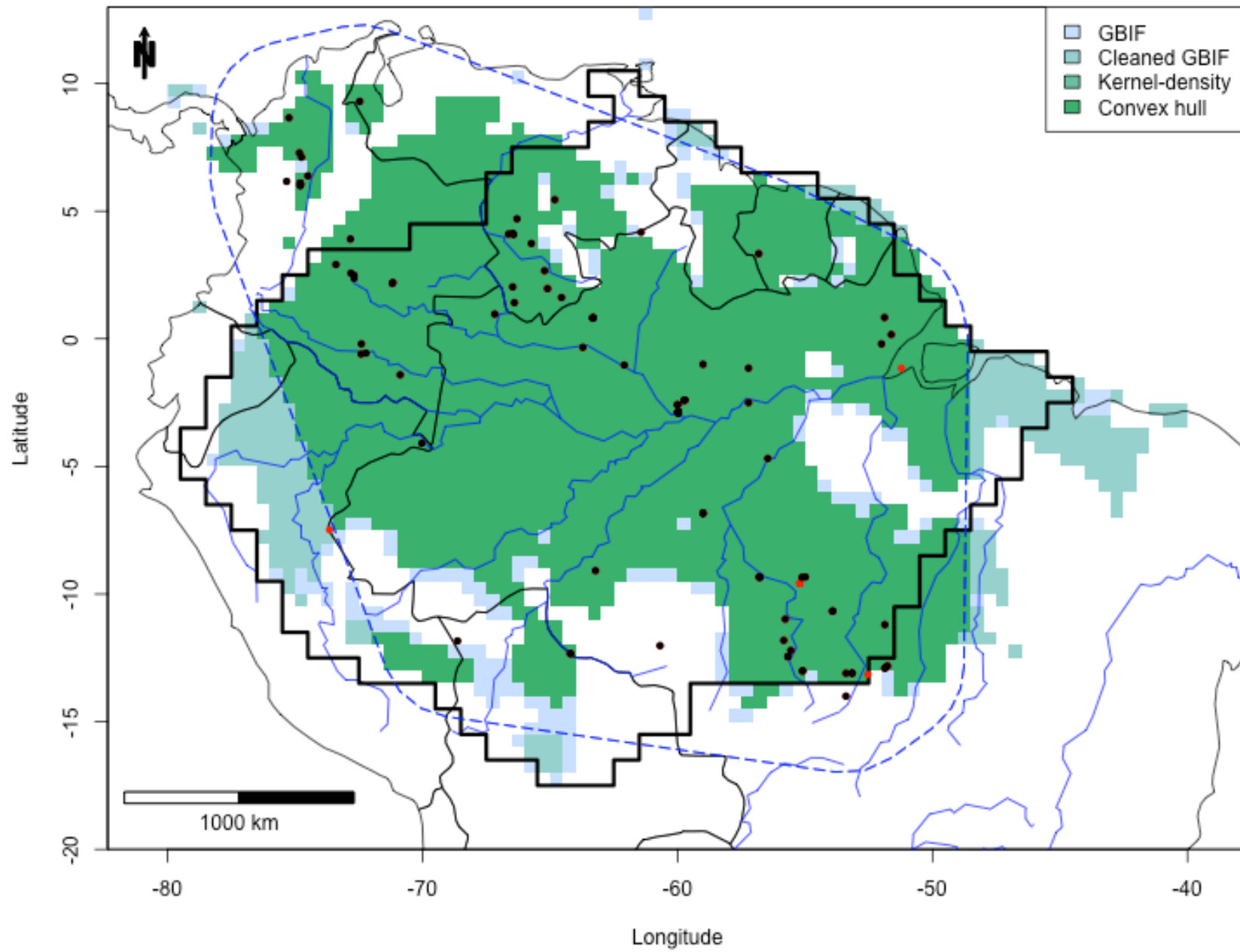
Vitex cymosa



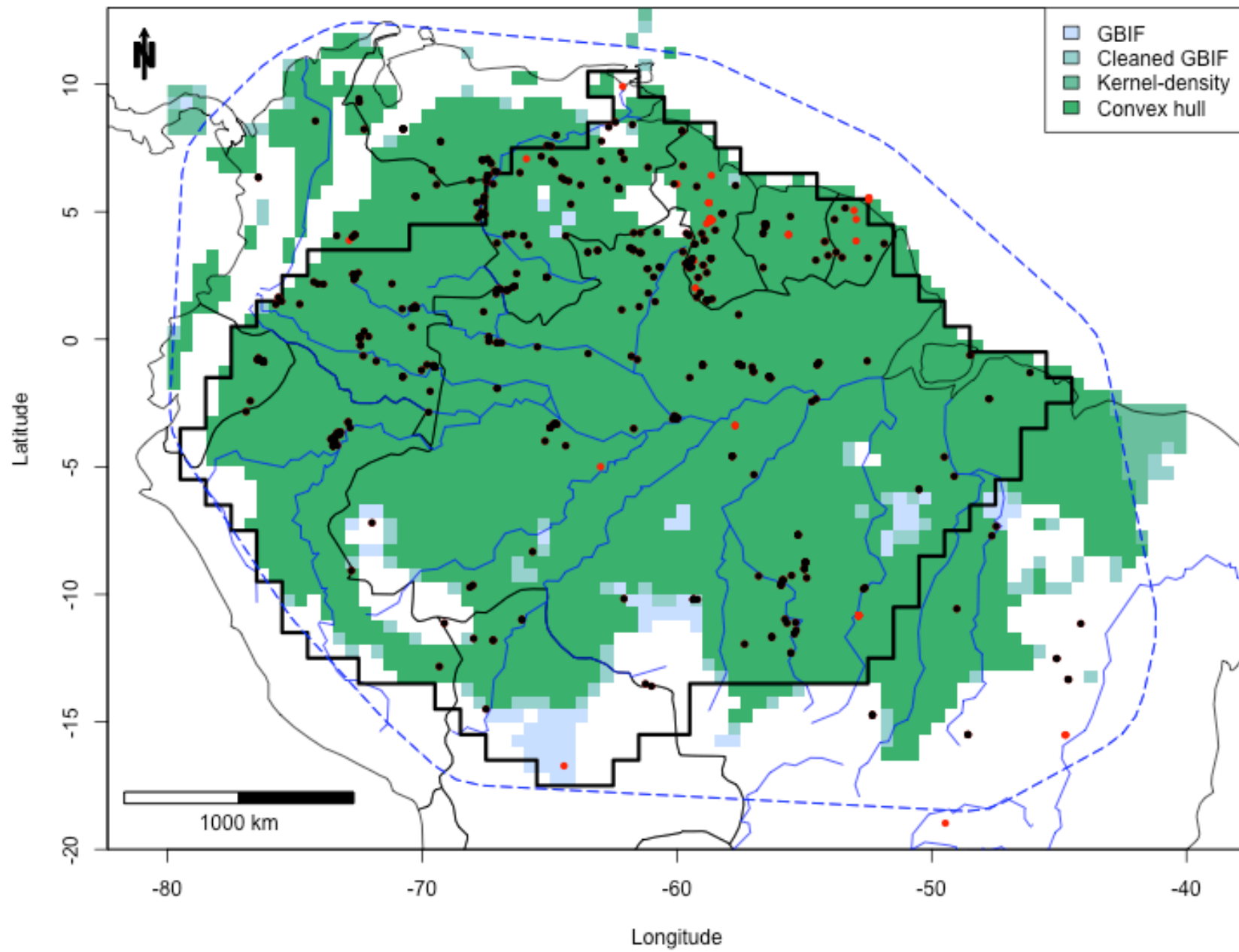
Vouacapoua americana



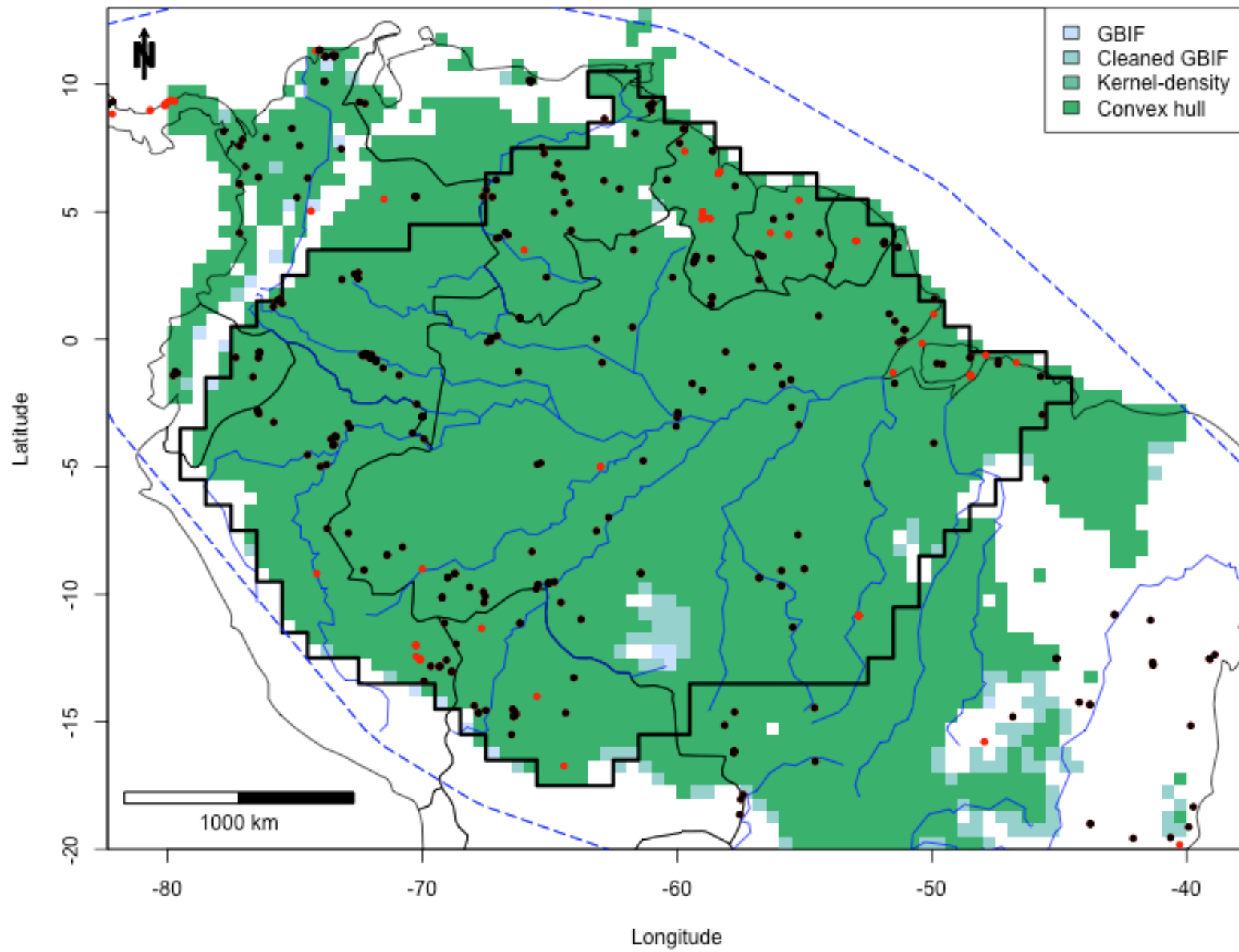
Xylopia amazonica



Zygia cataractae



Zygia latifolia



Zygia racemosa

