

Endangered tree species within vanilla production landscape in North-eastern of Madagascar

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Hypothesis:

Vanilla farms are able to harbour native tree species, and endangered tree species for promoting tree diversity conservation in Madagascar.

Questions:

Could vanilla farms contribute to provide habitat for endemic tree species in the North-eastern Madagascar?

Could vanilla plantations harbour endangered tree species in the North-eastern part of Madagascar?

Objectives:

To determine tree species composition in all land-use types;

To identify their endemism (native, naturalized or introduced);

To identify their conservation status in global scale

After a tree inventory conducted in Vanilla plantation following their degradation gradient (VL, VM, VH); forest fragments, woody fallow, and primary forests.

We assessed the conservation status of every species identified until species level using available data on BGCI (<http://www.bgci.org>), on Kew botanical garden website <http://geocat.kew.org/>, on <https://www.iucnredlist.org/>, and on vascular plant of Madagascar project in <http://tropicos.org/Project/Madagascar>.

Data will probably treated with R statistical software