The Use of Plants Database to Identify New Botanical Inventory Zones in Madagascar.

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28th October 2014 - Elmia Congress Centre, Jönköping, Sweden
Summary

- Spatial distribution of botanical records in Madagascar
- Intensity of botanical collections
- Proposed future zones for botanical inventory
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Spatial distribution of botanical records

http://www.tropicos.org

206,170 specimens (Madagascar)
4.79 % Tropicos specimens

197,361 specimens (95.72%)
with spatial references

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• Priority areas for Plants Conservation in Madagascar;
• Madagascar terrestrial conservation planning to expand the network of Protected Areas in Madagascar;
• MBG 13 community-based conservationsites
• Taxonomy and systematics
• Species Red List Assessment according to the IUCN criteria;
• Detecting changes, projecting impacts, and developing responses of the effects of global Climate Change;
• ...
- Spatial distribution of botanical records in Madagascar
- Intensity of botanical collections
- Proposed future zones for botanical inventory
Intensity of botanical collections

Observation mapping units

Grid cell
1/8 degree
~12.5 km x 12.5km
Intensity of botanical collections
Intensity of botanical collections

![Map showing intensity of botanical collections with a bar chart inset.]](image)
Intensity of botanical collections

Top 10 Protected Areas
- Loky-Manambato
- Masoala
- Marojejy
- Site Ramsar Torotorofotsy
- Summit Tsaratanana – Ambohimarahavavy – Corridor Marojejy
- Ranomafana
- Andohahela
- Corridor Forestier
- Ankeniheny Zahamena
- Forêt de Tsitongambarika
- Zahamena
- Spatial distribution of botanical records in Madagascar
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Proposed future zones for botanical inventory

At least 10% native vegetation
Proposed future zones for botanical inventory

At least 10% native vegetation
Outside protected areas network
Proposed future zones for botanical inventory

At least 10% native vegetation
Outside protected areas network
Less than 10 botanical collections
Proposed future zones for botanical inventory

At least 10% native vegetation
Within protected areas network
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