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Emblematic Plants of the World: Visual Starter

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Introduction

Idea of this album is to show the most frequent, remarkable plant genera of the world (as a whole and per region, see next page). To find these, I used R¹ to analyze three databases of vascular plant observations: Pl@ntNET², iNaturalist³ (both via GBIF⁴) and also Gentry's transects⁵, about 20 millions observations in total.

The checklist part has been processed with TNRs⁶, default settings) to unify names and authorships. Family names and taxonomy were taken from "Systema Angiospermarum"⁷, version 5.32.

This album is intended exclusively for educational, non-commercial use.

¹R Core Team. 2021. R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. <https://www.R-project.org/>

²<https://identify.plantnet.org/>

³<https://www.inaturalist.org/>

⁴<https://www.gbif.org/>

⁵Alwyn H. Gentry, the Missouri Botanical Garden, and assisted collectors: <http://www.mobot.org/mobot/research/gentry/welcome.shtml>

⁶<https://tnrs.biendata.org/about/>

⁷Shipunov A. 1991—onwards. Systema Angiospermarum <http://herba.msu.ru/shipunov/ang/ang-en.htm>

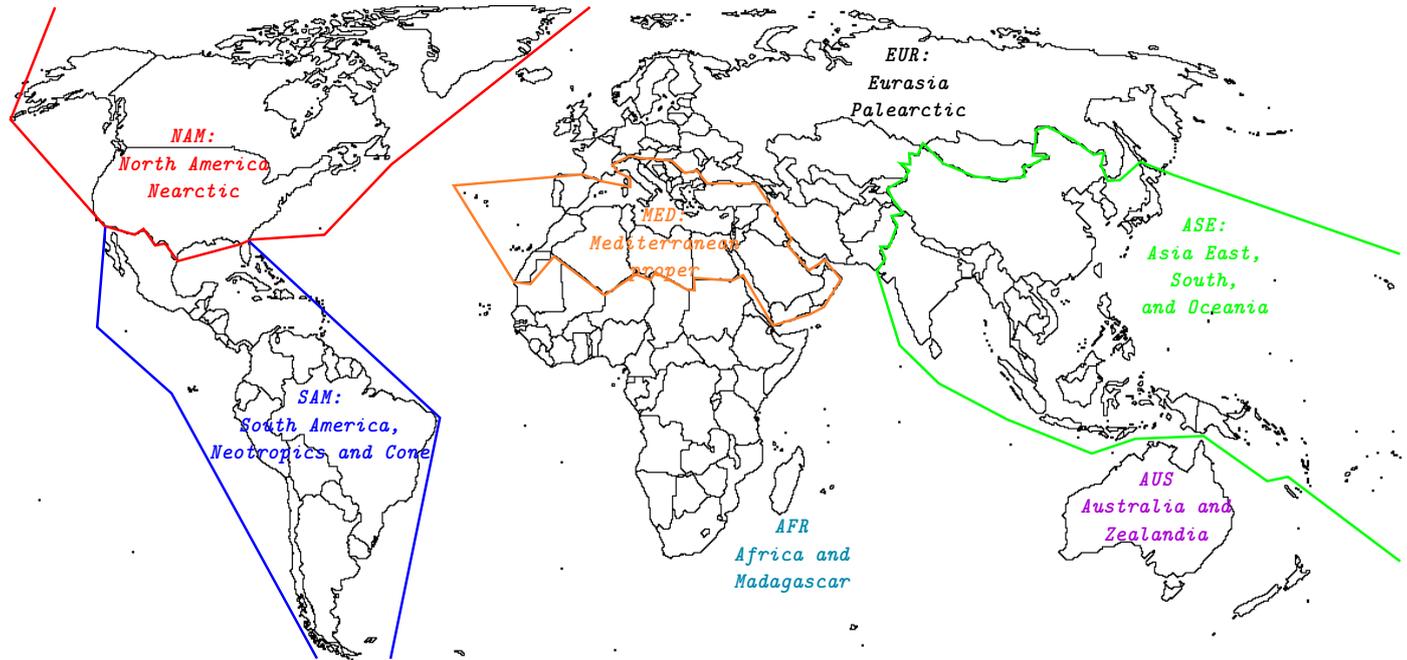


Figure 1: Main political-phytogeographical regions of the world

1 Africa and Madagascar

***Catharanthus* (Apocynaceae family)**



***Combretum* (Combretaceae family)**



***Dracaena* (Asparagaceae family)**



***Plumbago* (Plumbaginaceae family)**



***Protea* (Proteaceae family)**



***Vachellia* (Leguminosae family)**



2 Asia East, South, and Oceania

***Alocasia* (Araceae family)**



***Broussonetia* (Moraceae family)**



Cocos (Palmae family)



***Ixora* (Rubiaceae family)**



***Macaranga* (Euphorbiaceae family)**



***Syzygium* (Myrtaceae family)**



3 Australia and Zealandia

***Coprosma* (Rubiaceae family)**



***Cordyline* (Asparagaceae family)**



***Epacris* (Ericaceae family)**



***Eucalyptus* (Myrtaceae family)**



***Leptospermum* (Myrtaceae family)**



***Phormium* (Asphodelaceae family)**



4 Eurasia Palearctic

Chelidonium (Papaveraceae family)



***Geranium* (Geraniaceae family)**



***Pinus* (Pinaceae family)**



***Sorbus* (Rosaceae family)**



***Tussilago* (Compositae family)**



***Urtica* (Urticaceae family)**



5 Mediterranean proper

***Capparis* (Capparaceae family)**



***Ficus* (Moraceae family)**



***Hedera* (Araliaceae family)**



***Nerium* (Apocynaceae family)**



Quercus (Fagaceae family)





***Ruscus* (Asparagaceae family)**



6 North America Nearctic

Acer (Sapindaceae family)



***Artemisia* (Compositae family)**



***Carnegiea* (Cactaceae family)**



***Phytolacca* (Phytolaccaceae family)**



***Podophyllum* (Berberidaceae family)**



***Quercus* (Fagaceae family)**





7 South America, Neotropics and Cone

Bidens (Compositae family)



***Dieffenbachia* (Araceae family)**



***Inga* (Leguminosae family)**



***Lantana* (Labiatae family)**



***Miconia* (Melastomataceae family)**



***Tillandsia* (Bromeliaceae family)**



8 World

Achillea (Compositae family)



***Alliaria* (Cruciferae family)**



***Lamium* (Labiatae family)**



***Plantago* (Labiatae family)**



***Taraxacum* (Compositae family)**



***Trifolium* (Leguminosae family)**

