

IUCN SSC Brazil Plant Red List Authority



2018 Report



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Red List Authority Coordinators

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Location/Affiliation

National Centre for Brazilian Flora Conservation - Rio de Janeiro Botanic Gardens Research Institute, Rio de Janeiro, Brazil

Number of members

15

Social networks

Facebook:
Centro Nacional de Conservação da Flora - CNCFlora
Instagram:
cncflora



Mission statement

To coordinate, promote and contribute to all necessary conditions to avoid extinctions of Brazilian flora species, in line with the targets of the Global Strategy for Plant Conservation (GSPC) and with the national mandate to assess extinction risk for the National Red List of Brazilian flora, for the elaboration of action plans and maps of priority areas for the conservation of species threatened with extinction.

Projected impact for the 2017-2020 quadrennium

By the end of 2020, we aim to increase knowledge about the state of conservation of Brazilian endemic flora. The focus of extinction risk assessments will be on endemic tree species that occur throughout the country, especially those occurring in territories that have a small number of conservation mechanisms. Re-assessments of threatened or near threatened species will be carried out, focusing on tree species and especially those with economic value. Supporting the extinction risk assessments is a network of approximately 208 experts in the taxonomy and ecology of Brazilian flora. In addition, a new version of the CNCFlora system will be developed, containing a database of threats, Red List Authority assessment reviews, and a module for the National Action Plans that lead to improvements in status and, ultimately, removal of species from the Red List. In a megadiverse country, where native vegetation is being converted or fragmented, conservation actions involving

government agencies and local actors must be developed. Thus, by 2020, the Brazil Plant Red List Authority (BP-RLA) will participate in the elaboration of National Action Plans for threatened species with a focus on Critically Endangered species that do not currently benefit from conservation mechanisms.

Targets for the 2017-2020 quadrennium

Assess

Green List: test the Green List for one species.
Red List: (1) complete assessment of 2,600 Brazilian endemic trees; (2) complete assessment of 884 endemic species from Rio de Janeiro State; (3) review assessment of Brazilian endemic trees from Botanic Gardens Conservation International (BGCI) and Royal Botanic Gardens, Kew; (4) update CNCFlora Information System to version 3.

Research activities: carry out field survey collections in priority areas for the conservation of flora species in Brazil.

Plan

Planning: (1) publish territorial action plans for conservation of flora; (2) map priority areas for conservation of flora.

Policy: include species assessed as threatened in the National Official Red List.

Network

Capacity building: provide Red List capacity building for botanic experts.



Activities and results 2018

Assess

Red List

i. We completed the assessment of 800 species of endemic trees in Brazil; 116 taxonomists/specialists from the network of Brazilian flora were involved in the taxonomic validation and records of the occurrence. (KSR #2)

ii. We completed the assessment of 884 endemic species from Rio de Janeiro State, with the involvement of 92 taxonomists/specialists; Red Book of Endemic Species of Rio de Janeiro State published; Official State Red List published (<https://www.jusbrasil.com.br/diarios/193462332/doi-rj-poder-executivo-05-06-2018-pg-16>). (KSR #2)

iii. We reviewed 782 assessments of Brazilian flora from BGCI and Royal Botanic Gardens, Kew. (KSR #1)

Research activities

i. We carried out four expeditions along with seed collection for *ex situ* conservation of Critically Endangered *Discocactus horstii* Buining & Brederoo (photo) and another species of Cactaceae in the Central Brazilian Savanna (Cerrado biome) in Brazil. (KSR# 25)

ii. We carried out three expeditions in the Atlantic Forest in the state of Rio de Janeiro and the state of Bahia and in the Central Brazilian Savanna in the state of Minas Gerais, Brazil. (KSR# 25)

Plan

Planning

i. We published the Territorial Action Plan for the Conservation of Endemic Flora of the State of Rio de Janeiro, including 513 threatened species (<http://dspace.jbrj.gov.br/jspui/handle/doc/93>). (KSR #15).

ii. We published the priority areas for conservation of the endemic flora of the State of Rio de Janeiro (<http://dspace.jbrj.gov.br/jspui/handle/doc/94>). (KSR #15)

Acknowledgements

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Summary of activities 2018

Species Conservation Cycle ratio: 2/5

Assess **5** ██████

Plan **2** ███

Main KSRs addressed: 1, 2, 15, 25

KSR: Key Species Result



Critically Endangered *Discocactus horstii* Buining & Brederoo, Cactaceae, endemic species of Brazil, in Minas Gerais state, Brazil
Photo: Eduardo Fernandez