



Wildlife conservation at **Madagascar:** **A global overview**

Journée d'étude « Gestion rationnelle de la grande faune mammalienne en région tempérée et tropicale » 13/10/2015

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I. Context

II. Lemurs diversity

III. Threats

IV. Environmental action plan

V. Protected areas



- Southern hemisphere
- Indian ocean
- Mozambique channel (415 km)
- 587 045 km²
- 23 571 962 habitants
- 76 % rural population



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Madagascar

→ High biodiversity
→ High endemism } Hotspot



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Lemurs



→ 103 species
→ 15 genus
→ 5 families:

- *Cheirogaleidae*
- *Lepilemuridae*
- *Lemuridae*
- *Indridriidae*
- *Daubentoniidae*



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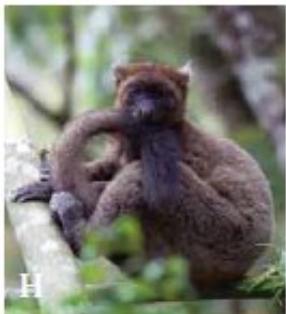


Illustration of the 15 genus of lemurs

Légende:

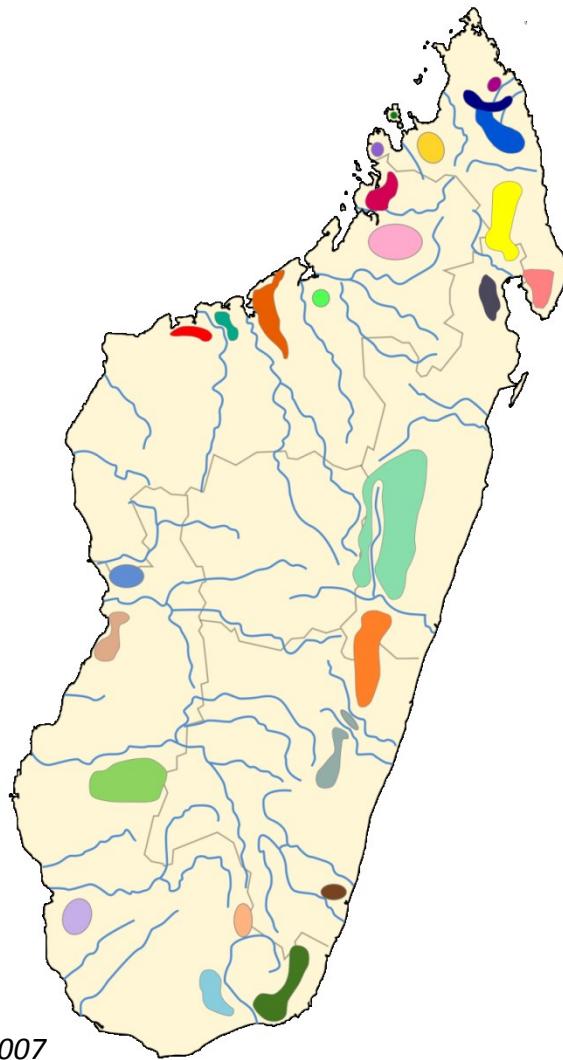
- A. *Microcebus*;
- B. *Mirza*;
- C. *Alloceus*;
- D. *Cheirogaleus*;
- E. *Phaner*;
- F. *Lepilemur*;
- G. *Hapalemur*;
- H. *Prolemur*;
- I. *Lemur*;
- J. *Eulemur*;
- K. *Varecia*;
- L. *Avahi*;
- M. *Propithecus*;
- N. *Indri*;
- O. *Daubentonia*.

Genus *Lepilemur*

- ✓ 26 species
- ✓ Small area of distribution



Craul et al., 2007



Threats

- ✓ Deforestation
- ✓ Habitat fragmentation
- ✓ Agriculture
- ✓ Illegal logging
- ✓ Political crisis

- ✓ Poaching
- ✓ Soil degradation
- ✓ Erosion
- ✓ Mines
- ✓ Poverty
- ✓



WILDLIFE



THREAT OF EXTINCTION

Threats

Green
Island



Red
Island

- 90 % of the primary **forest** has been **lost**
- One of the highest global priorities for nature conservation



Environmental Action Plan

→ 1990, the first Environmental Action Plan :

- ✓ Decreasing of poverty
- ✓ Structural adjustments of the economy of the country
- ✓ Decreasing the degradation of natural resources

→ Fighting forest destruction



Environmental Action Plan

→ 1996, the law “GELOSE” (*Gestion Locale Securisée*)

- ✓ Considering natural resources as a preoccupation for the community
- ✓ Transfer of management to LOCAL COMMUNITIES (COBA/VOI)
- ✓ COBA manages natural resources around its area

→ Protection of a global ecosystem



Organizations involved in conservation

→ At national scale

- ✓ Ministry of environment
- ✓ Madagascar National Parks (MNP)
- ✓ SAGE
- ✓ Local NGO (eg. L'Homme et l'environnement)
- ✓ MRPA
- ✓

→ At international scale

- | | |
|---------------------------------|--------------------------------------|
| ✓ Wildlife Conservation Society | ✓ Operation wallacea |
| ✓ IUCN | ✓ Bristol Zooligcal Society |
| ✓ Banque Mondiale | ✓ Stony brook University |
| ✓ WWF-Madagascar | ✓ Duke Lemur Center |
| ✓ Conservation international | ✓ Durrel Wildlife Conservation Trust |
| ✓ Wildlife Conservation | ✓ ... |
| ✓ AEECL | |
| ✓ Frontier | |

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Madagascar National Parks (MNP)

→ ✓ 1990

✓ Private organization

✓ Collaboration with the Ministry of environment

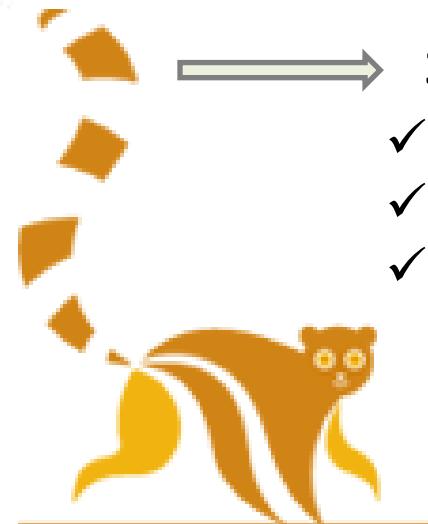


→ 3 means goals

✓ Environmental education

✓ Promotion of ecotourism and scientific researches

✓ Equitable sharing of the benefits with local communities



Madagascar National Parks (MNP)

→ More than 2 millions of ha of protected areas

- ✓ 7 sites of UNESCO world heritage
- ✓ 2 RAMSAR sites
- ✓ 2 BIOSPHERE reserves



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Global Environment Facilities (GEF) (1992 at Rio)

→ Madagascar's Network of Managed Resource Protected Areas

- ✓ UNDP – Malagasy government
- ✓ Reach 6 millions of ha of protected areas (Nowadays =5.2 M. ha)
- ✓ New areas have been created
- ✓ New protected area will be created in the next few years

- ✓ Ampasindava Peninsula

MRPA



Madagascar's Network of Managed Resource Protected Areas

Strategy for lemurs conservation

→ Available online

<http://data.iucn.org/dbtw-wpd/edocs/2013-020.pdf>

The image shows the front cover of a report titled "Lemurs of Madagascar: A Strategy for their Conservation 2013-2016". The cover features the IUCN logo at the top left. Below the logo, the title "Lemurs of Madagascar" is written in large, bold, black letters. Underneath the title, the subtitle "A Strategy for their Conservation 2013-2016" is displayed. At the bottom of the cover, there is a photograph of a lemur's face and upper body, looking directly at the camera. The lemur has a dark brown head and a light-colored, yellowish-orange chest. The report is edited by Christoph Schwitzer, Russell A. Mittermeier, Nicola Davies, Steig Johnson, Jonah Ratsimbazafy, Josia Razafindramanana, Edward E. Louis Jr. and Serge Rajaobelina.

SSC
Species Survival Commission

CONSERVATION INTERNATIONAL

Bristol Conservation & Science Foundation

Thank you for your attention

