

Community engagement, research, education and outreach for conservation in the Ebo Forest: Cameroon's newest National Park?

Ekwoke Abwe

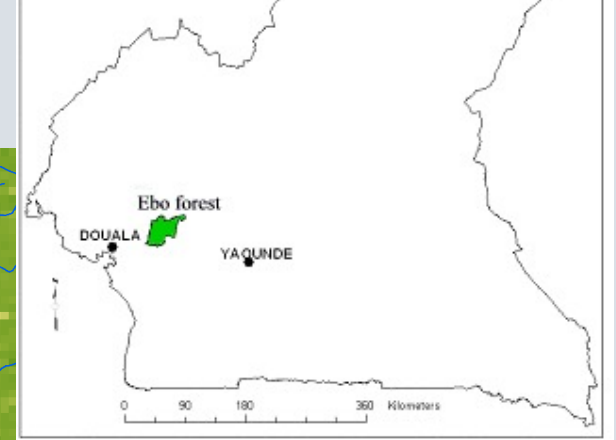
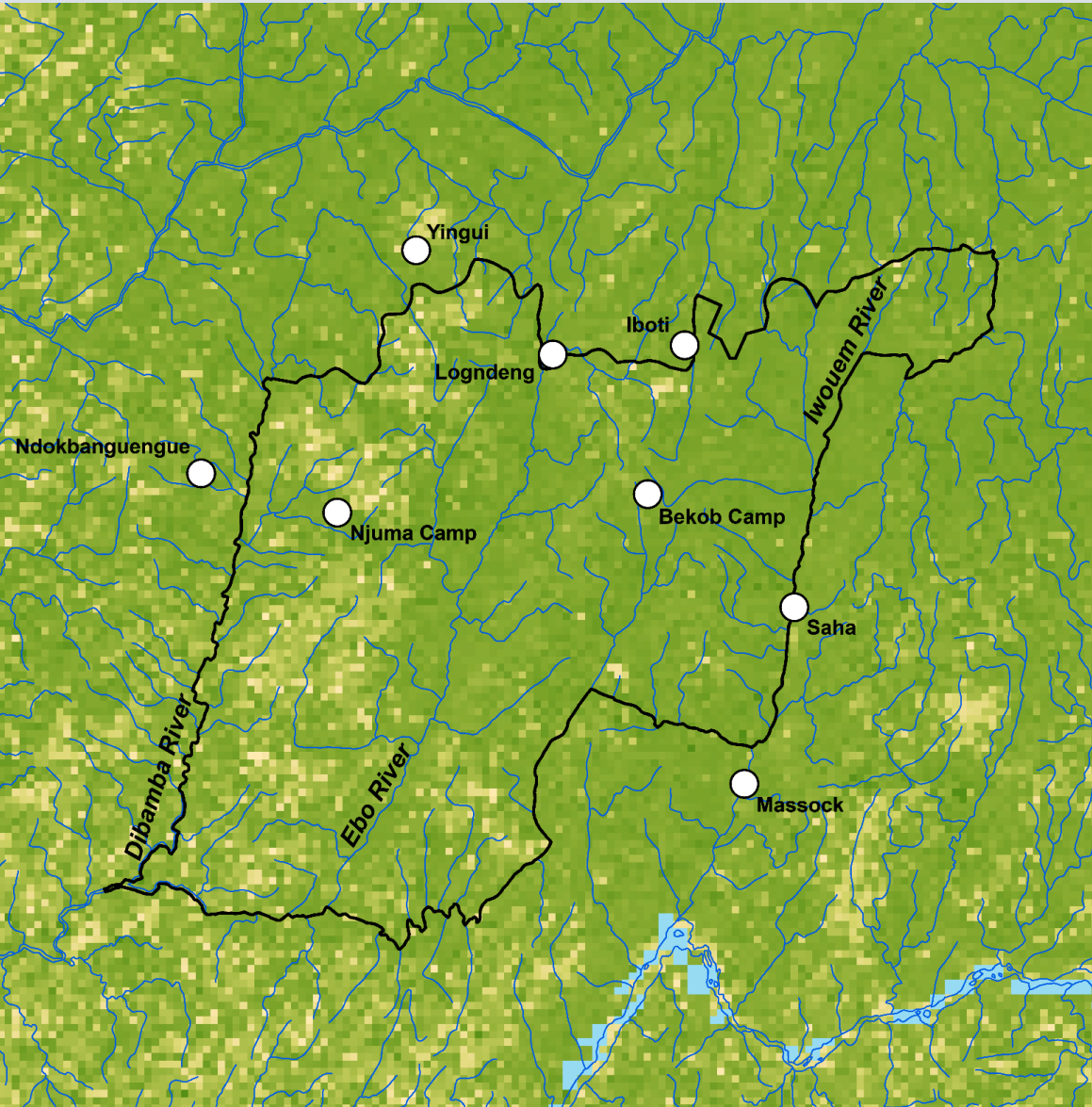
San Diego Zoo Global/Ebo Forest Research Project



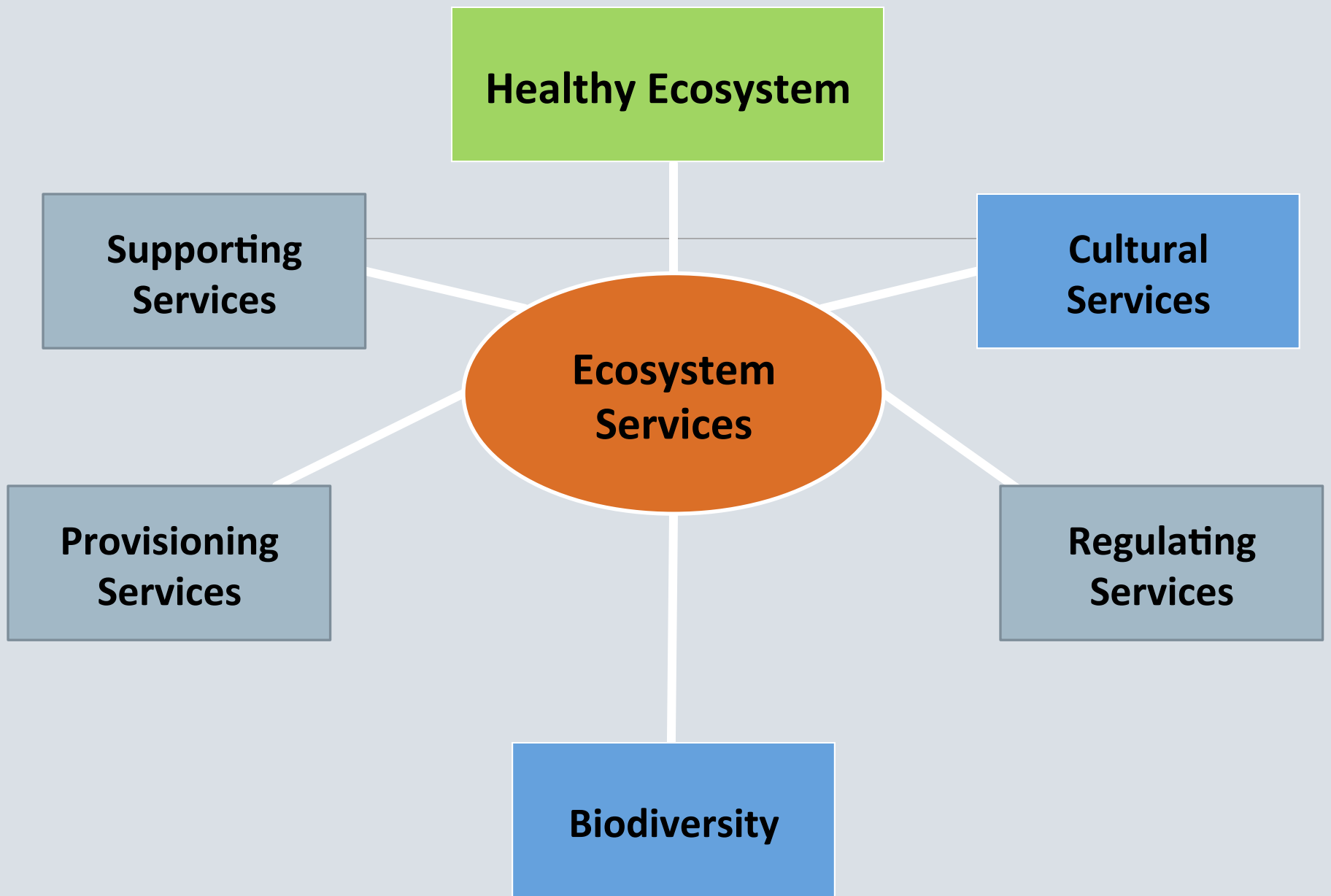
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Ebo Forest



- Gorillas of uncertain taxonomic affinity
- Healthy population of chimpanzees and drills
- 11 diurnal primate species including
- Nut cracking chimps
- Preuss's red colobus
- Grassroots support for conservation
- Goal: Ebo National Park Creation



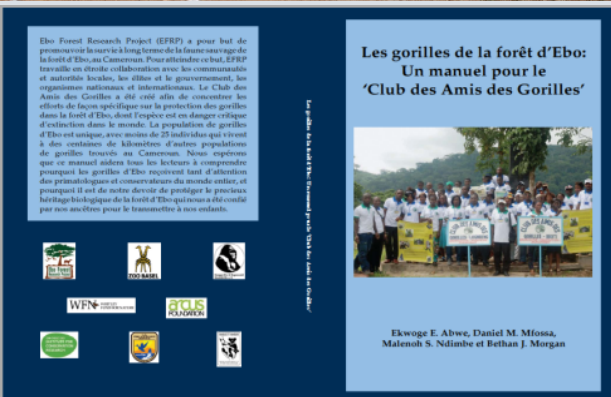
Cultural Services Community Engagement



Grassroots support for biodiversity conservation and Ebo National Park creation



Grassroots support for biodiversity conservation and Ebo National Park creation



Club des Amis des Gorilles (CAG)

- Voluntary membership, recognized by administration
- More than 200 members in three villages
- Gorilla and large mammals monitoring by CAG members
- Recognition of outstanding CAG members by Mayor
- Community sensitization
- Hunters and school education
- Alternative sustainable livelihoods
- Showcase for research and education



Conservation outreach and livelihood activities

1. Training hunters at Limbe Wildlife Center
2. Teachers' training workshop
3. Sustainable alternative livelihood projects



Research and Conservation Work in Ebo Forest

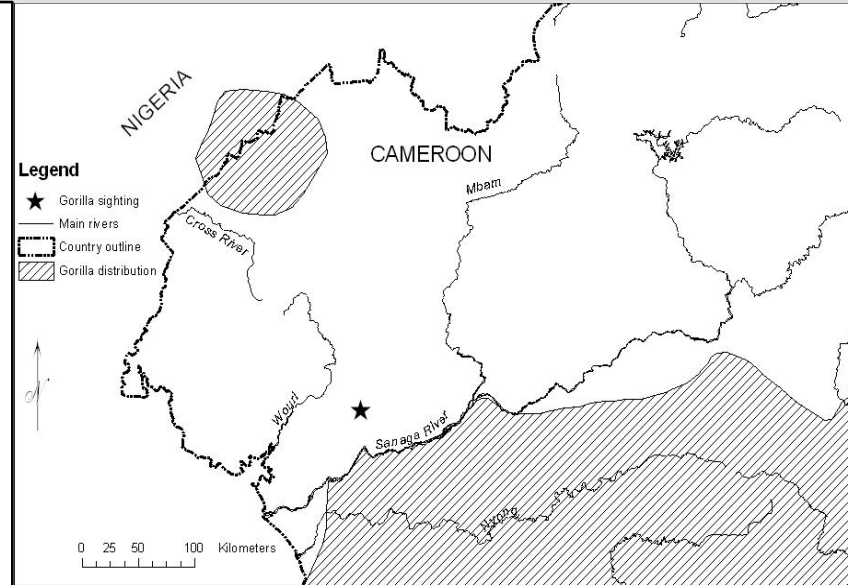
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Newly Discovered Gorilla Population in the Ebo Forest, Littoral Province, Cameroon

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Healthiest population of Nigeria-Cameroon chimpanzees, with more than 700 individuals

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ago [12]; however, the standard error is 65,000 years at these sample sizes.

The MLS sequence documents a greater diversity among the European Neandertals than previously estimated. In particular, the MLS and MEZ sequences appear separated from a cluster of sequences from Germany and Croatia. All sequences in the cluster share two derived alleles, 16078G and 16154C. The analysis of

- diversity in recent human evolution. *Am. J. Phys. Anthropol. Suppl.* 27, 137–176.
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Chimpanzees use stone hammers in Cameroon

Bethan J. Morgan^{1,2} and Ekwoje E. Abwe²

All studied chimpanzee populations use tools, with differences in behavioural repertoires between populations

Other important vertebrates

The forest harbors the only other population of the Critically Endangered Preuss's red colobus

The drill population of Ebo is the healthiest for the species that is threatened across its range

A preliminary checklist of 160 species of birds from ongoing ornithological inventories

Herpetologists from Berlin Museum and University of Buea have been surveying for frogs across the forest



Botanical Inventories



Dr. Cheek – Kew Gardens, UK botanist in Ebo forest, 2005



2013 National Herbarium and Royal Botanical Gardens expedition in Ebo

1. *Palisota ebo*
2. *Ardisia ebo*
3. *Talbotiella ebo*
4. *Gilbertiodendron ebo*

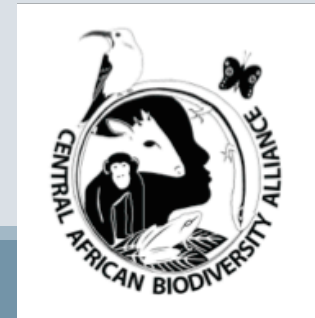


Dr. Tchiengue, botanist at National Herbarium Yaoundé at Ebo forest, 2005

Ebo forest – showcase for biodiversity research



UNIVERSITY OF
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Employment and building local capacity



1. Camera trapping and other remote sensing devices
2. Research facilities for education and conservation
3. Ebo forest-wide elephant and large mammal surveys
4. Training of traditional rulers on Cameroon Wildlife Law

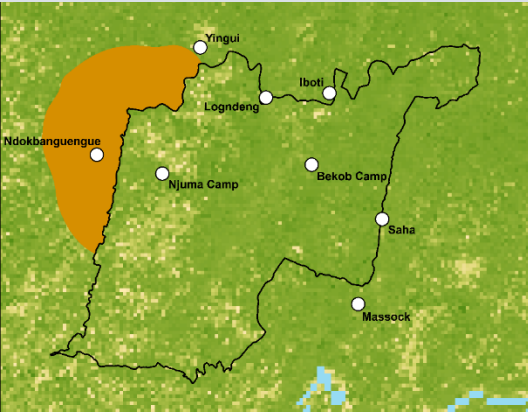


Community resource base

- Food and especially animal protein source
- Source of fresh clean water
- Source of building materials
- Deep spiritual value for the Banen tribe
 - Site for ancestral graves and groves



Effects of over-exploitation



- Habitat loss and fragmentation
- Species population size and range decline
- Local extinctions
- Food security in local communities – unequal distribution of benefits



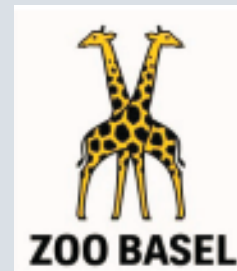
conserving biodiversity for the service of present and future generations

- Resource base for benefit of local communities and beyond
- Potential for potable water for Douala and other large cities
- Showcase for biodiversity research and conservation
- Potential for ecotourism
- Other ecosystem services

The Ebo National Park – conserving biodiversity for the service of present and future generations



Our supporters...



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Our collaborators

The Government of Cameroon

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Ministere de l'environnement (MINEP)

Ministere des Recherche Scientifique et de l'Innovation
(MINRESI)

Herbier National de Cameroun



WWF

WCS

Limbe Wildlife Centre (Pandrillus Foundation)

Royal Botanic Gardens, Kew

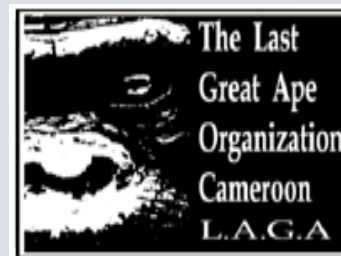
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Thank you
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