



Forests and Sustainable Development: Forestry in Africa

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Forestry in Africa: facts and figures

- 70% of African population depends on forests and woodlands for basic livelihoods
- Woodlands provide ca. 70% of household energy
- 25% World Forests are in Africa
- Diversity concentrated in forests and savannas
- Timber: Africa produces 35% of imported timber

Importance of forests

FORESTS are not just a source of timber

- Ecological
- Social
- Economical
- Cultural
- Agricultural
- Providers of ecosystem services









The exceptional value of intact forest ecosystems

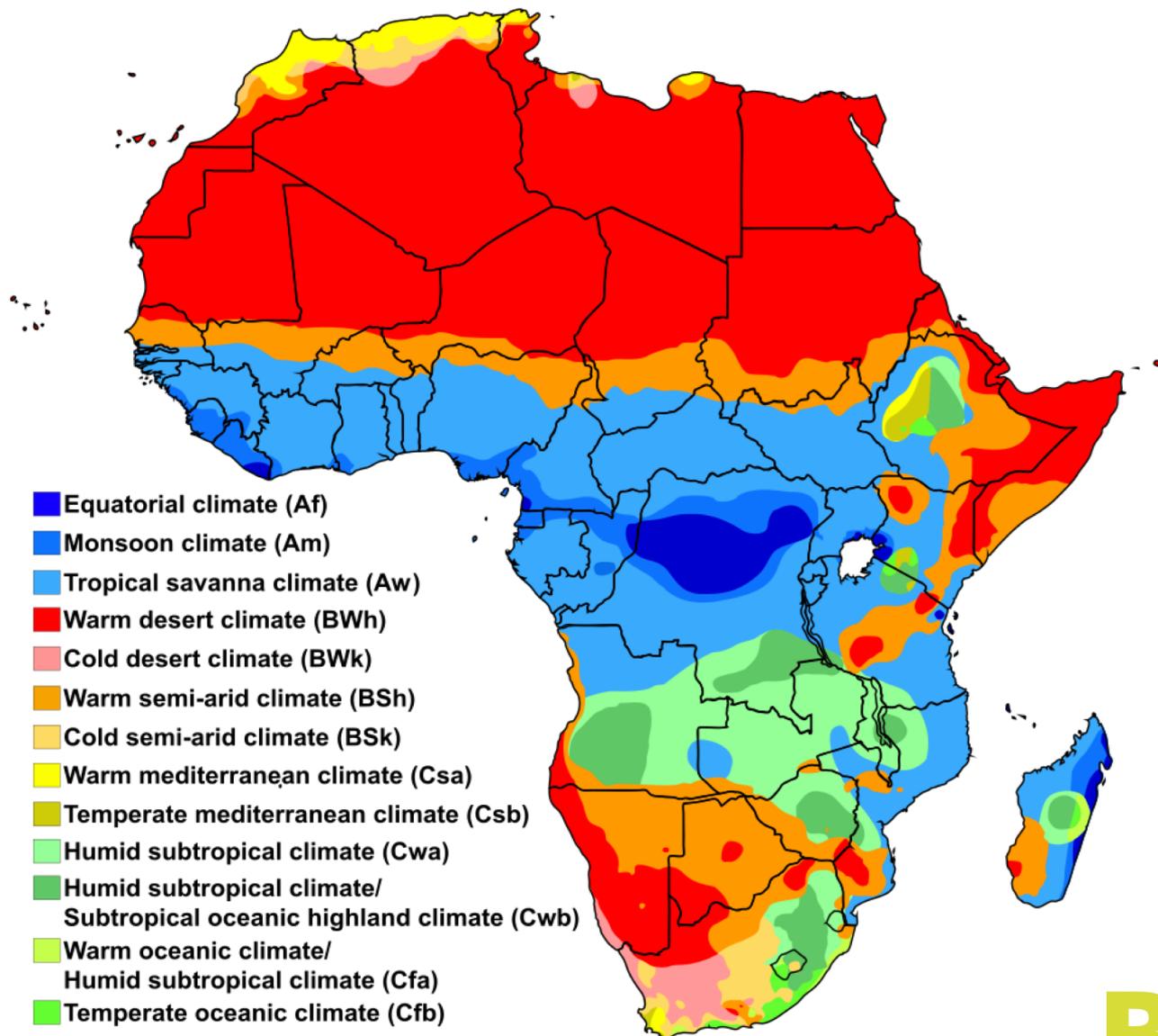
James E. M. Watson ^{1,2,15*}, Tom Evans^{2,15}, Oscar Venter³, Brooke Williams^{1,2}, Ayesha Tulloch ^{1,2}, Claire Stewart¹, Ian Thompson⁴, Justina C. Ray⁵, Kris Murray⁶, Alvaro Salazar¹, Clive McAlpine¹, Peter Potapov⁷, Joe Walston², John G Robinson², Michael Painter², David Wilkie², Christopher Filardi⁸, William F. Laurance⁹, Richard A. Houghton ¹⁰, Sean Maxwell¹, Hedley Grantham^{1,2}, Cristián Samper², Stephanie Wang², Lars Laestadius¹¹, Rebecca K. Runting¹, Gustavo A. Silva-Chávez¹², Jamison Ervin¹³ and David Lindenmayer ¹⁴

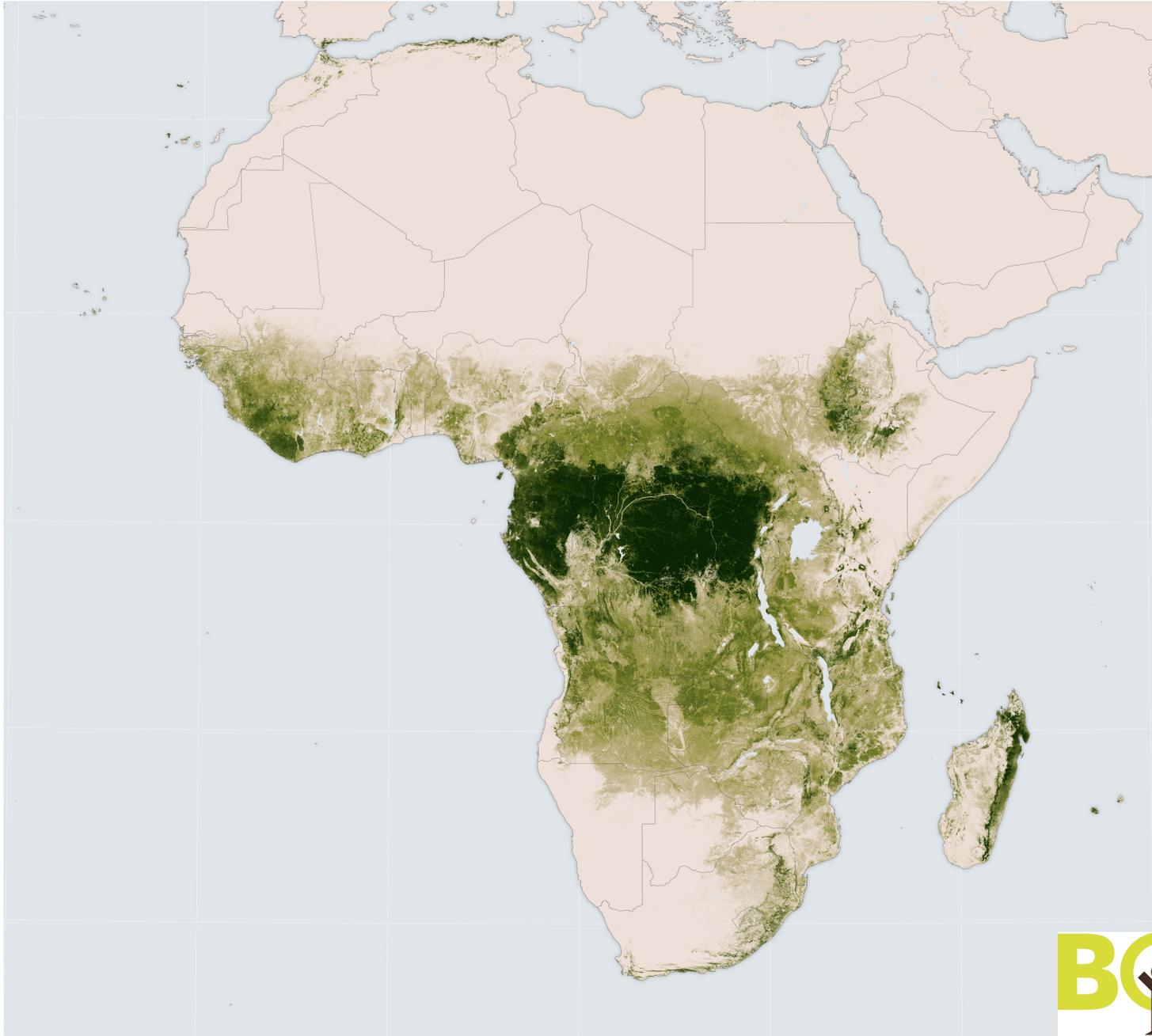
As the terrestrial human footprint continues to expand, the amount of native forest that is free from significant damaging human activities is in precipitous decline. There is emerging evidence that the remaining intact forest supports an exceptional confluence of globally significant environmental values relative to degraded forests, including imperilled biodiversity, carbon sequestration and storage, water provision, indigenous culture and the maintenance of human health. Here we argue that maintaining and, where possible, restoring the integrity of dwindling intact forests is an urgent priority for current global efforts to halt the ongoing biodiversity crisis, slow rapid climate change and achieve sustainability goals. Retaining the integrity of intact forest ecosystems should be a central component of proactive global and national environmental strategies, alongside current efforts aimed at halting deforestation and promoting reforestation.

Conservation

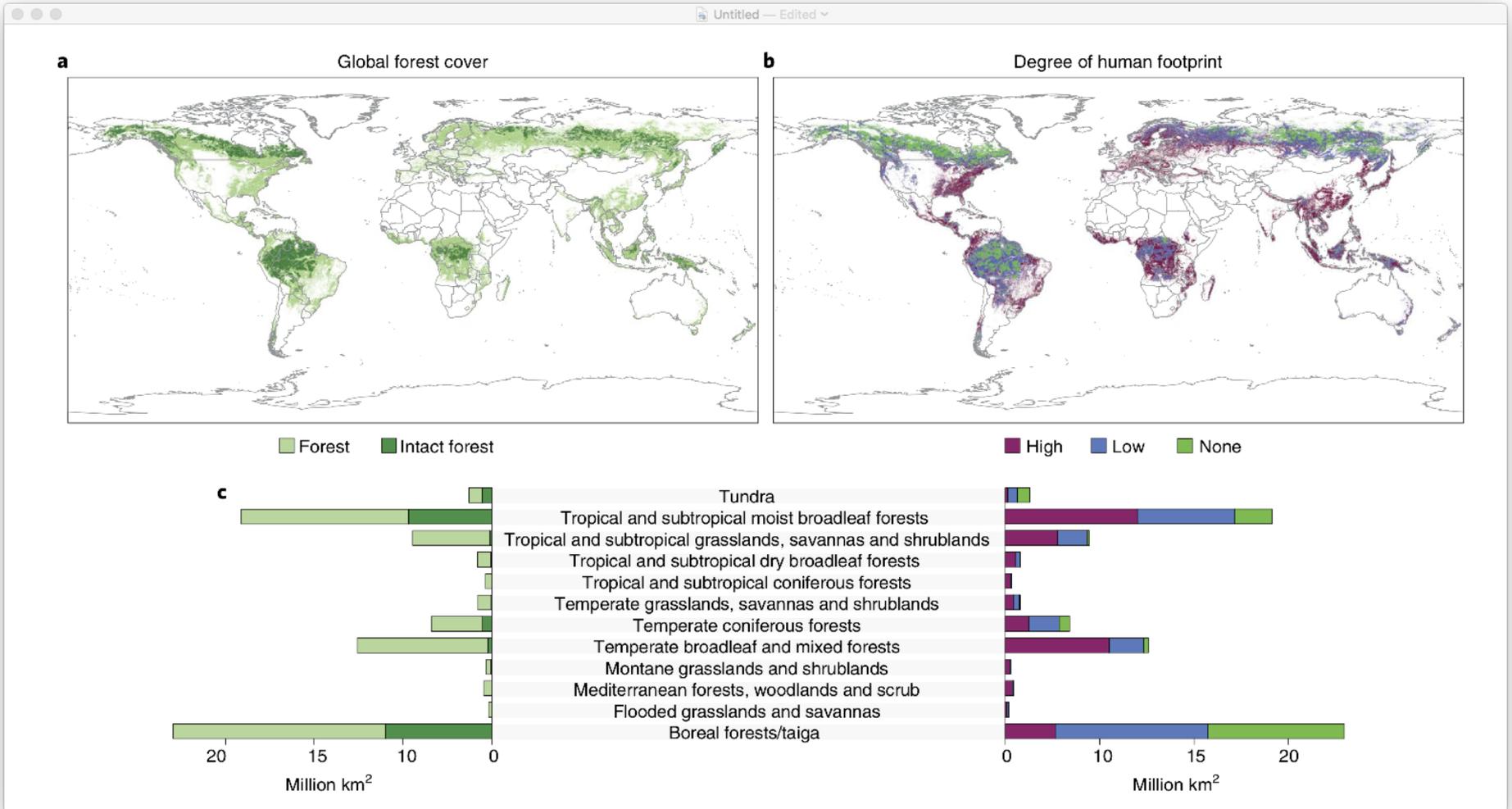
- Africa more than 80% of African species occur in (sub-) tropical forests and savannas
- Pivotal role in climate at local, regional and global scale
- Important water catchment areas
- Provider of ecosystem services

Africa map of Köppen climate classification





Conservation



Value of forests: World Bank

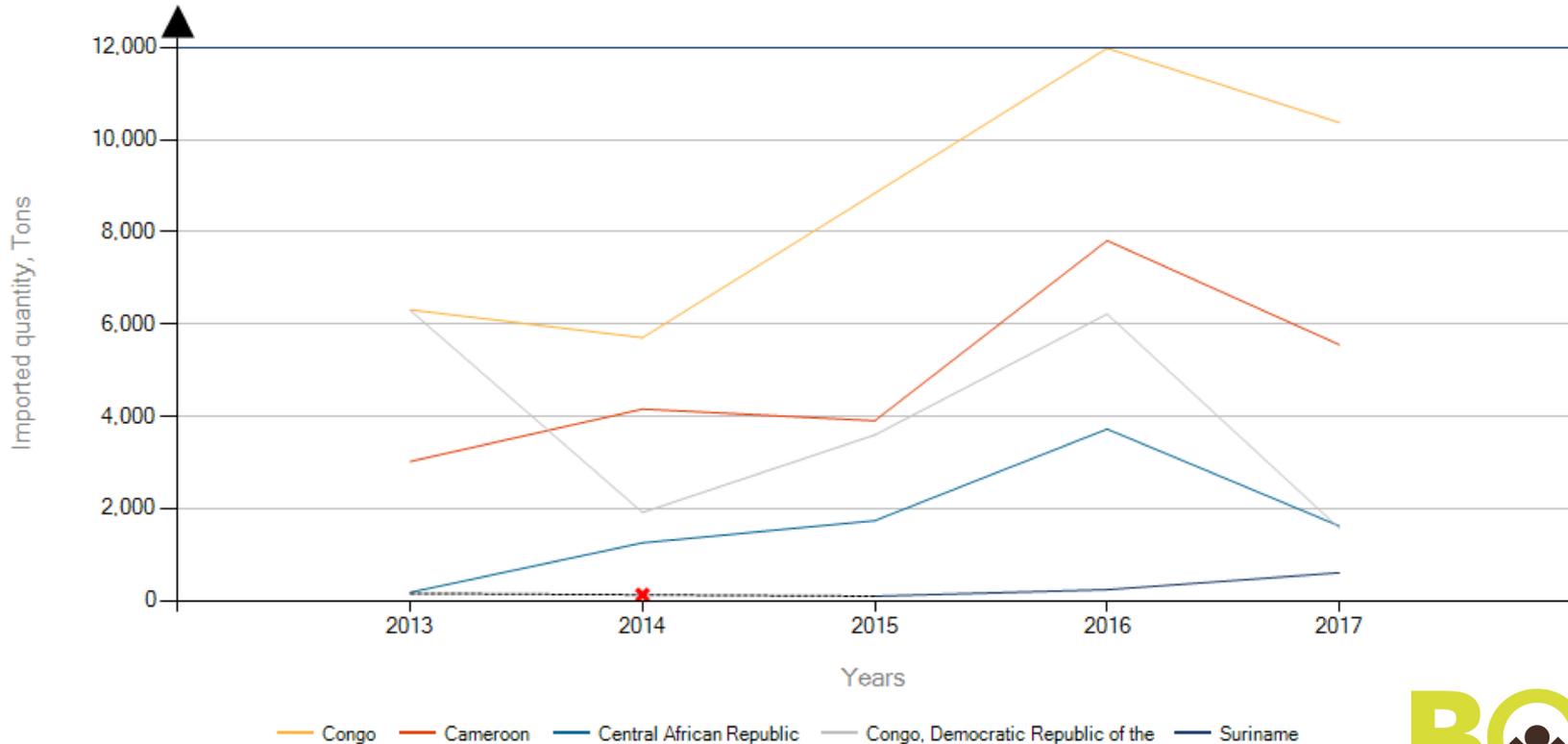
- Forests Provide Pathways Out of Poverty
- Forests Mitigate Climate Change and Strengthen Resilience
- Forests Support Jobs and Wealth Creation
- Forests Provide Ecosystem Services that Sustain Economies
- Forests Sustain Cultures and Spiritual Values



Value of forests: World Bank

List of supplying markets for a product imported by Belgium

Product: 440349 Tropical wood specified in the Subheading Note 1 to this chapter in the rough, whether or not stripped of bark or sapwood, or roughly squared (excluding dark red meranti, light red meranti, meranti bakau; rough-cut wood for walking sticks, umbrellas, tool shafts and the like; wood cut into boards or beams, etc.; wood treated with paint, stains, creosote or other preservatives)



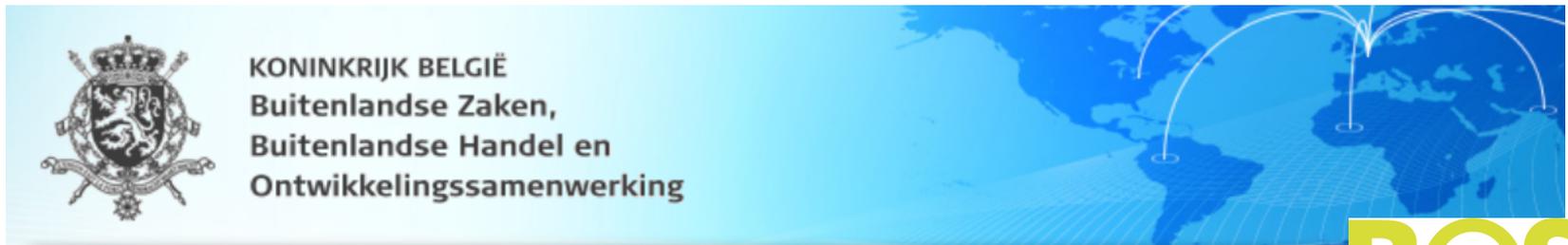
DGD-Programme: BOS+

BOS+ in Africa

Directorate for International Cooperation and Human Rights

5-year programme: 2017-2021: 6 countries

- Forestry development: PFM
- Climate-smart agriculture



DGD-Programme

- Belgium:
 - North-South education
 - Awareness raising
 - Transition
- Africa
 - Ethiopia
 - Tanzania
 - Uganda
- Latin America
 - Peru
 - Bolivia
 - Ecuador



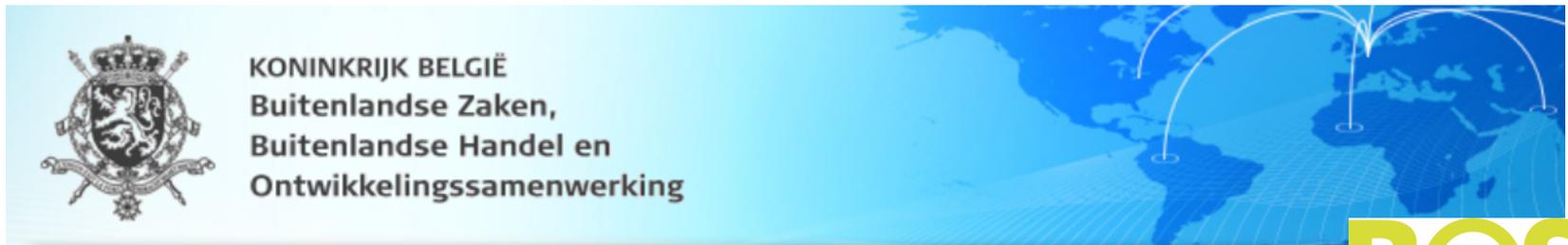
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Participatory forest management

- The inclusion of communities in the management of (state-owned) forest reserves.
- Many countries in Africa are promoting the participation of rural communities in the management and utilization of natural forests.
- Tool for conservation and **social** and **economical** development
- Sustainable





Climate-smart agriculture

Agroforestry: integration of trees in agricultural practices

- Conservation agriculture
- Restoration and amendment of soil conditions
- Landscape management
- Restoration and maintenance of water catchment areas
- Food and livelihood security
 - ✓ Fruit trees
 - ✓ Fodder-trees
- Non-timber products
- Timber and fuelwood









Opportunities BOS+

- Partner for cooperation in Belgium and abroad
- Partner and platform for research
- Cooperation between NGOs
- BOS+ Ghent University
 - IMRD MSc Rural Development
 - MSc Bioscience Engineering
 - MSc Biology (Global Change)
 - MSc Agricultural and Environmental Nematology
 - Opportunities...
 - Social Sciences
 - Education → Belgium

Interest?

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THANK YOU!

