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SÉMINAIRE INTERNATIONAL SUR LA PRÉSERVATION ET LA RESTAURATION DES SOLS FORESTIERS EN AFRIQUE DE L'OUEST

ABIDJAN - 15-17 MAI 2023



INTERNATIONAL SEMINAR ON THE PRESERVATION AND RESTORATION OF FOREST SOILS IN WEST AFRICA

ABIDJAN - MAY 15th-17th, 2023

Avec le soutien financier de :





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Presentation of Coalition of Action 4 Soil Health

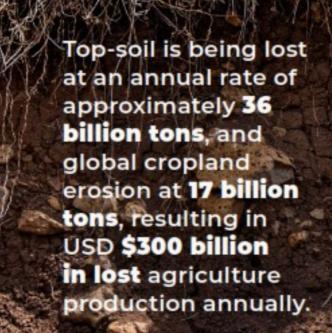
Roël D. Houdanon



Presentation of Coalition of Action 4 Soil Health

The main objective of the Coalition of Action 4 Soil Health (CA4SH) is to improve soil health globally.

> CA4SH COALITION OF ACTION 4 SOIL HEALTH





The goals of the Coalition include:

- Integrate soil health in policy across the development, environment, agriculture and climate change domains.
- Expand research in development on soil health practices and monitoring.
- Significantly increase the number of hectares of land under healthy soil practices.
- Increase investments in soil health by a margin of 5-10 fold above current financing commitments.

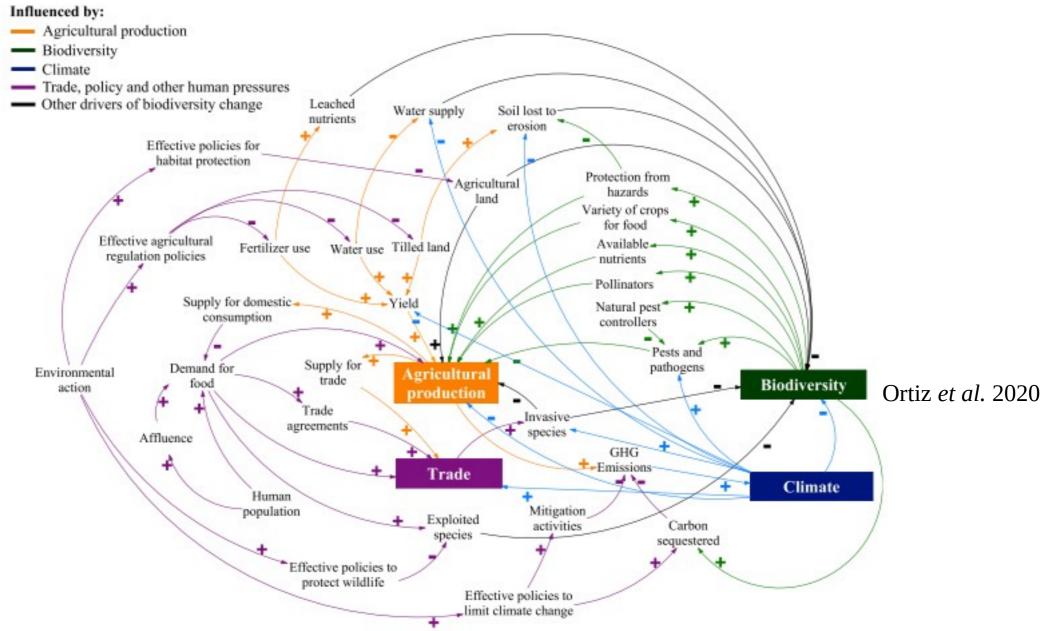


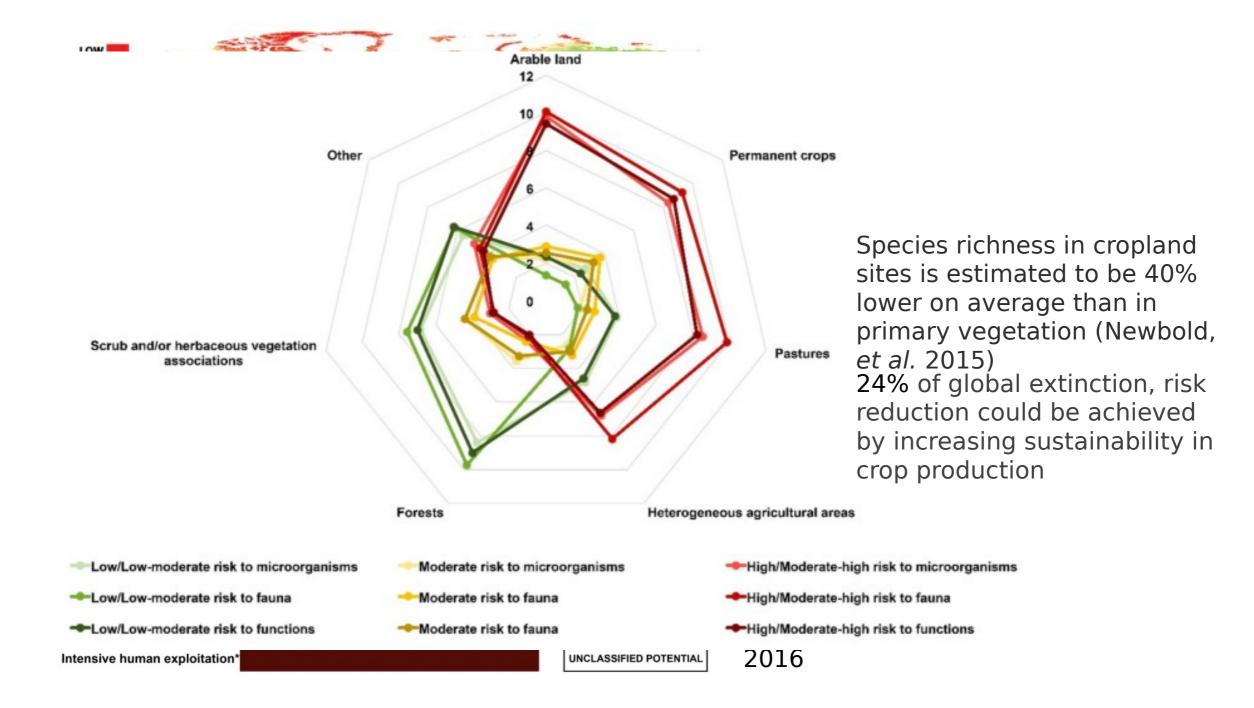
1. What are the stakes of land and soil degradation for soil biodiversity





Role of soil biodiversity





- Soil biodiversity: Targets Aichi objectives 7, 2, 4, 8, 14
- Post-2020 Global Biodiversity Framework. Almost all targets be mainly target 10.



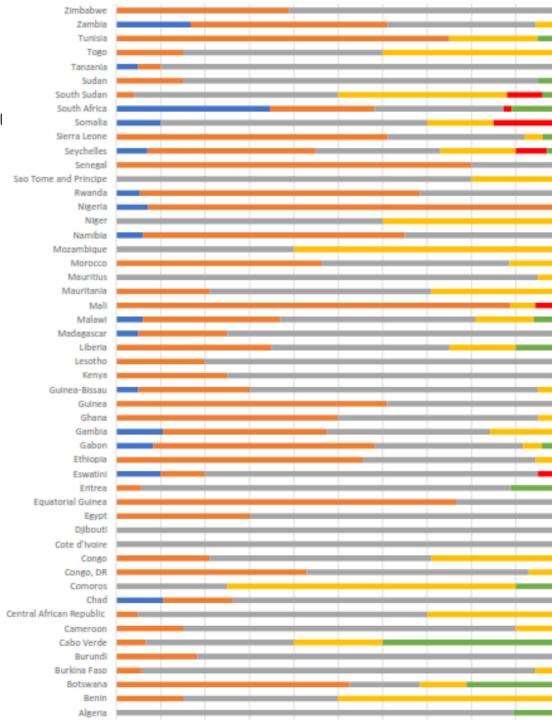
Mycosphere X(X): X-X (XXXX) www.mycosphere.org Article – Special issue Doi 10.5943/mycosphere/si/1f/2 Online first ISSN 2077 7019

Phylogenetic diversity and affiliation of tropical African ectomycorrhizal fungi

Houdanon RD^{1,*}, Furneaux B^{2,3}, Yorou NS¹ and Ryberg M²

On track to exceed
Ontrack to achieve
Insufficient progress
Moving away from target
No data

Progress in implementing the National Biodiversity Strategies and Action Plans and contribution Mulongoy 2022

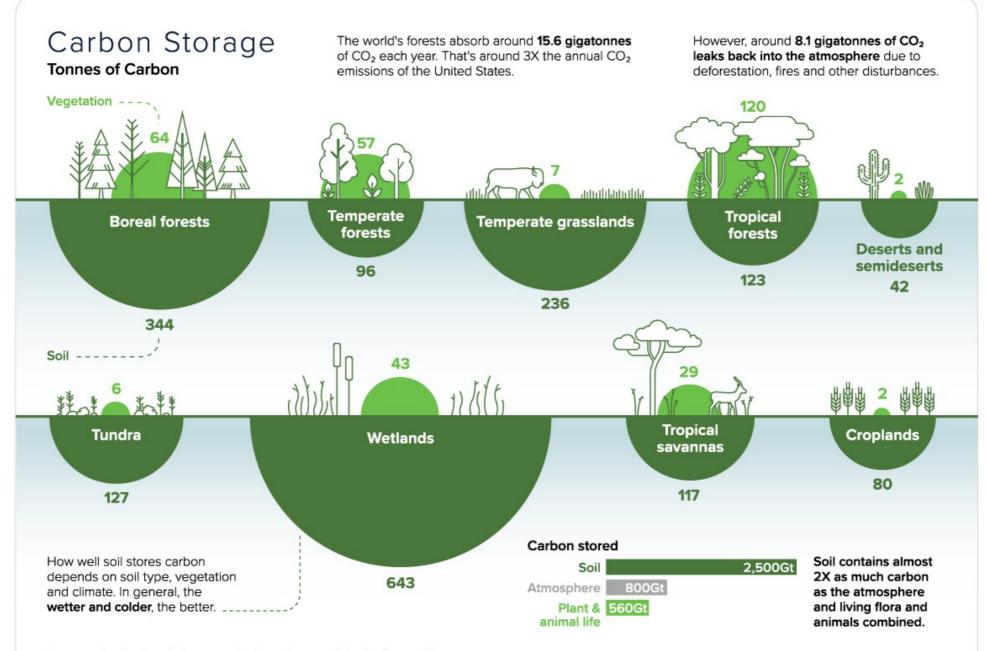




2. What are the stakes of land and soil degradation for climate change



8



Average stored carbon in tonnes per hectare at a ground depth of one meter Sources: IPCC; NASA



3. How to tackle soil degradation issue in west Africa forest region



Soil Health Gap: A concept to establish a benchmark for soil health management

Bijesh Maharjan^{a,*}, Saurav Das^a, Bharat Sharma Acharya^b

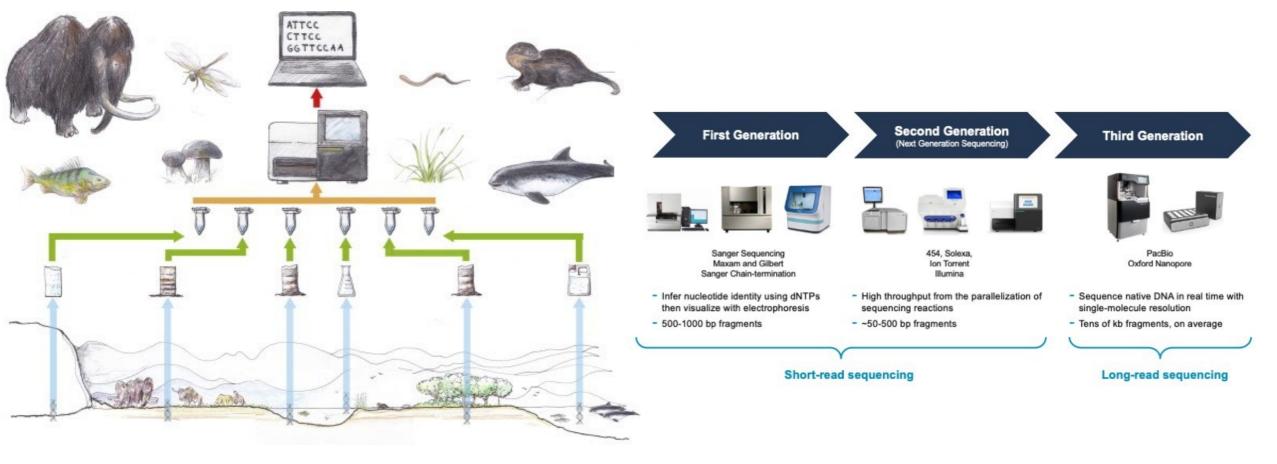
^a Department of Agronomy and Horticulture, University of Nebraska, Lincoln, USA

^b Oklahoma Department of Mines, Oklahoma, USA

Predicting the responsiveness of soil biodiversity to deforestation: a cross-biome study

THOMAS W. CROWTHER¹, DANIEL S. MAYNARD¹, JONATHAN W. LEFF², EMILY E. OLDFIELD¹, REBECCA L. MCCULLEY³, NOAH FIERER² and MARK A. BRADFORD¹ ¹School of Forestry and Environmental Studies, Yale University, New Haven, CT 06511, USA, ²Department of Ecology and Evolutionary Biology, University of Colorado, Boulder, CO 80309, USA, ³Department of Plant and Soil Sciences, University of Kentucky, Ag Science Center North, Lexington, KY 40546, USA

Africa need technology to assess and monitor soil biodiversity communities



POLICY BRIEF

DECEMBER 2022

SERIES 02

Including soil organic carbon into nationally determined contributions: Insights from Ghana

Diwediga Badabat, Adeyemi Chabi, Djalal Ademonla Arinloye, Sabrina Chesterman, Tor-Gunnar Vagen, Ermias Aynekulu and Leigh Ann Winowiecki

POLICY BRIEF

SERIES 05 DECEMBER 2022

Including soil organic carbon into nationally determined contributions: Insights from Senegal

Adeyemi Chabi, Djalal Ademonla Arinloye, Tor-Gunnar Vagen, Ermias Aynekulu and Leigh Ann Winowiecki





What is the Soil Health Resolution?

The Soil Health Resolution is a set of commitments to enable and scale healthy soil practices to mitigate and adapt to climate change, restore biodiversity, improve water resilience, enhance food and nutrition security, and protect natural and cultural heritage.



The Soil Health Resolution calls on government leaders to:

RECOGNIZE that soils are the basis of life and that soil health' is the foundation of sustainable and regenerative food systems;



AFFIRM that agricultural systems are part of the climate solution and that sustainable land management practices enhance productivity, resilience and biodiversity;

STRESS the importance of aligning UN conventions and providing legal instruments to synergize organisational efforts and accelerate the action on the ground;

CONSIDER the critical role played by increased soil health to achieve the objectives of the UN Decade of Ecosystem Restoration, among other declarations;

REAFFIRM the

need for further international action and cooperation to revert current soil degradation processes.





Thanks

