

GLOBAL SOIL BIODIVERSITY INITIATIVE

A SCIENTIFIC EFFORT

The primary mission of the Global Soil Biodiversity Initiative (GSBI) is to develop a platform for promoting the translation of expert scientific knowledge on soil biodiversity into environmental policy and sustainable land management.



Focus Areas of the GSBI

Global **SCIENTIFIC** research
Harmonize **METHODS** and data synthesis
Inform **POLICY & MANAGEMENT** options



The GSBI achieves its mission through scientific activities

by providing clear, transparent and scientifically credible information to scientists, the public and policy makers alike; by collaborating with initiatives on biodiversity that relate to soil; and by encouraging capacity building in all aspects of soil biodiversity and ecosystem services.

SCIENTIFIC ACTIVITIES



Global Soil Biodiversity Atlas

To present current knowledge on soil biodiversity across regions and management systems in a compelling manner and bring awareness to the importance of soil biodiversity in maintaining ecosystem services.

Global Soil Biodiversity Assessment

To bring the rapidly developing science of soil biodiversity and ecosystem services into local, regional and global sustainable land management.

Global Distribution of Soil Biodiversity

To improve our understanding of the distribution of soil biodiversity and the factors that control this through data integration and infrastructure.

Join us & learn more

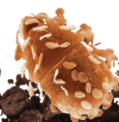
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www.globalsoilbiodiversity.org

The Earth's soils are living, dynamic interfaces

that are supported by millions of microbial and animal species. Soil biodiversity underpins the delivery of major ecosystem services critical to the well-being of humans.

Key

Services Provided by Soil Biodiversity

CLEAN AIR AND GROUNDWATER EROSION CONTROL
NUTRIENT CYCLING CARBON SEQUESTRATION
SOIL STRUCTURE DISEASE MITIGATION PLANT PRODUCTIVITY

The Global Soil Biodiversity Initiative (GSBI) is a bottom-up collaboration of international scientists dedicated to advancing the knowledge of soil biodiversity science and ecosystem services for use in policy and management of global terrestrial ecosystems.

Without soil biota, the soil resource as we know it would not exist. The intensive use and mis-use of soil by people puts the sustainability of soil biota-driven services at risk. The GSBI works to assure that the newest scientific evidence on the provision of vital soil biodiversity is incorporated into future management and policy plans.

Opportunities exist for soil biodiversity science to inform sustainable land management and policy. Examples include the Global Soil Partnership, the Convention on Biological Diversity (CBD), the Intergovernmental Panel on Climate Change (IPCC), the UN Convention to Combat Desertification (UNCCD), the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES), DIVERSITAS, and other groups.

The GSBI works with existing agencies and scientific societies to develop tools such as a Global Soil Biodiversity Atlas & Assessment. The GSBI is a scientific effort dedicated to enhancing sustainable management of the world's soil biodiversity.



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