



Food and Agriculture
Organization of the
United Nations

Working Group Meetings **International Network on Soil Biodiversity** NETSOB

7-10 February 2022 | 14:00 hrs CET

Rosalina Gonzalez, PhD
La Salle University



WG-4 Policies and legal instruments related to soil biodiversity

Obj.

- I. Performance of an assessment of effective policies and legal instruments to control soil biodiversity loss.
- II. Development of policy briefs on the state of knowledge, protection, conservation, and sustainable use of soil biodiversity at national, regional, and global levels.
- III. Provision of policy advice to national and local governments to develop legal instruments for the protection, conservation and sustainable use of soil biodiversity.

Report on the Global Status and Regional Trends in Public Policy on the Soil Biodiversity – Table of contents (TOC)

- Authors of each chapter (time availability and expertise on the topic)
- After the meeting we will launch an online survey with the sections of the TOCs (you should fill in by selecting the section they are interested in).



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Executive summary

Acknowledges

Acronyms and abbreviations

Glossary

Chapter 1: Overview

a) Introduction

b) NETSOB

c) Objectives

d) Process of elaboration



Report on the Global Status and Regional Trends in Public Policy on the Soil Biodiversity – Table of contents (TOC)

Chapter 2: Regional trends in Public Policy on the Soil Biodiversity (protection, conservation, and sustainable use)

- Status of soil Biodiversity in Asia and the Pacific
- Status of soil Biodiversity in Eastern Europe, Caucasus and Central Asia
- Status of soil Biodiversity in Europe
- Status of soil Biodiversity in Latin America and the Caribbean
- Status of soil Biodiversity in Near East and North Africa
- Status of soil Biodiversity in North America
- Status of soil Biodiversity in sub-Saharan Africa



Report on the Global Status and Regional Trends in Public Policy on the Soil Biodiversity – Table of contents (TOC)

Chapter 3: International legal instruments to protect soil biodiversity

- Existing key global and regional commitments / conventions
 - a) Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal
 - b) Rotterdam Convention on Prior Informed Consent for Hazardous Chemicals and Pesticides in International Trade
 - c) Stockholm Convention on Persistent Organic Pollutants
 - d) International voluntary agreements to tackle soil pollution
 - e) The Global Soil Partnership
 - f) Voluntary Guidelines for Sustainable Soil Management



Report on the Global Status and Regional Trends in Public Policy on the Soil Biodiversity – Table of contents (TOC)

Chapter 3: International legal instruments to protect soil biodiversity

- Existing key global and regional commitments / conventions
- g) International Code of Conduct for the Sustainable Use and Management of Fertilisers
- h) International Code of Conduct on Pesticide Management
- i) Global Action Plan on Antimicrobial Resistance
- j) Codex Alimentarius
- k) International Nitrogen Initiative
- l) Challenges and gaps at the national level for compliance with international agreements
- Ethical - Bioethical



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Chapter 4: National and regional priorities to protect soil biodiversity

Chapter 5: National and regional actions different from the policy area to protect soil biodiversity

Include actions that intuitions make (e.g. NGOs)

Chapter 6: Knowledge and infrastructure gaps by region

- a) Main constraints by region
- b) Lack of awareness/consumer choices
- c) Lack of political will/leadership
- d) Infrastructure and capacity gap
- e) Risks that are run in terms of social cost and capacity of the States
- f) Assessment of critical factors to face

Report on the Global Status and Regional Trends in Public Policy on the Soil Biodiversity – Table of contents (TOC)

Chapter 7: Main health problems associated with soil biodiversity by region

- include case studies
- food contamination cases
- and so, on

Chapter 8: How to move on

- a) Tackling soil biodiversity as a pathway to achieving the SDGs
 - Preventing soil pollution
 - Ensuring food safety
 - Towards a safe environment
- b) Conclusions and way forward

References

Trends in Public Policy on the Soil Biodiversity

– Table of contents (TOC)

Discussion



Establishment of the WG 4 Scientific Committee

- Selection process results
 - The complete candidate file (CV plus letter),
 - CV analysis (experience in a range of soil biota), geographical and gender balance, and experience balance (early, mid and late career).
- Presentations of the selected candidates for the Scientific Committee (3 minutes each) to express their interests and motivations in WG4.

Maria Minor

Soil Ecologist



- Senior Lecturer - Massey University, Palmerston North, New Zealand
- Scientific training in soil biology, community and ecosystem-level ecology, biogeochemistry, soil science, and agricultural pest control
- Specialized knowledge and interest in soil biodiversity and functional ecology at the interface of agricultural systems and environment
- Skilled, experienced and productive scientist, 28 years of research experience, 158 publications
- She thinks that we need to be not only responsive to policy changes, but also be proactive agents in leading policy transformations.
- She has recently participated in the consultation on the “Nature Futures Framework” (NFF) with the Intergovernmental Platform on Biodiversity and Ecosystem Function

Bibiana Betancur Corredor



- Associate lecturer at Center for Development Research, University of Bonn. Bonn, Germany
- External consultant on technological surveillance at Connect Bogotá Region, Bogotá, Colombia
- Postdoctoral researcher at Senckenberg Gessellschaft für Naturforschung. Görlitz, Germany
- Her research work of the past few years has been aimed to create a state of knowledge on sustainable use of biodiversity in agroecosystems at a global scale

Brajesh Kumar Singh



- Professor, Western Sydney University, Penrith South, NSW 1797, Australia
- Director: Global Centre for Land-Based Innovation, Western Sydney University
- President of Global Crop Microbiome and Sustainable Agriculture Initiative.
- Member of High-Level Expert Group (HLEG) of European Commission, to assess the needs, impacts and possible approach for an International Platform for Food Systems Science (IPFSS)
- Advised EU the International Bioeconomy Forum (members: 27 countries of EU, USA, Canada, NZ, Australia, India, China and Brazil) with focus on microbiome tools since 2016
- Founding member of the Global Soil Biodiversity Observation Network (Soil BON).
- International Advisor of the joint World-Bank and Indian Council of Agriculture Research initiative on National Agricultural Higher Education Project
- His motivation is to provide scientific evidence to push this agenda at the forefront of the policy development.

Régia Estevam Alves

Geography and Territorial Planning



- Development and management of scientific and educational projects.
- Environmental analysis and soil degradation assessment.
- Mapping of land use and environmental fragility.
- Collaborative and humanitarian mapping.
- She can Provide scientific support in the decision-making of the NETSOB board; Assist in the scientific review of documents generated by NETSOB

What's Next

- Send Final Version of the TOCs
- Online survey with the sections of the TOCs – Define the lead/contributing authors for the activity
- WG 4 Scientific Committee Meeting
 - Prepare a work plan for the activity
 - Prepare Document templates (harmonized content) based on the approved TOC and related material to launch the activity

Thanks





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