



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).



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

Executive summary

Acknowledges

Acronyms and abbreviations

Glossary

## **Chapter 1: Overview**

a) Introduction

b) NETSOB

c) Objectives

d) Process of elaboration



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## 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





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## 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



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## 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



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## **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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