International Network on Soil Biodiversity (NETSOB)

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7th Meeting of the Global Soil Laboratory Network (GLOSOLAN)
SCOPE AND PRINCIPLES

19. **FAO is invited to facilitate the implementation of the plan of action**, and it is intended to align activities on soil biodiversity more closely with other FAO-related activities including the International Network on Soil Biodiversity and the Global Soil Biodiversity Observatory, to monitor and forecast the conditions of soil biodiversity and soil health as well as with regional and country offices in order to create synergies and provide broader support. The full implementation of the plan of action at the national and subnational levels will depend on the availability of resources.
NETSOB Objectives

- Strengthen the **knowledge** about soil biodiversity;
- Provide **critical mass** for the implementation of the **Global Soil Biodiversity Observatory (GLOSOB)**;
- Contribute to **monitoring of soil biodiversity** status and loss and develop internationally accepted **biological indicators**;
- Provide reliable evidence to support **decision-making** in at the policy level in sustainable use of soil biodiversity.
NETSOB Working Groups

**How to measure soil biodiversity:** Develop guidelines for measuring, assessing and monitoring soil biodiversity

**How to manage soil biodiversity:** Compile a field manual on soil biodiversity management

**How to economically value** soil biodiversity and the soil ecosystem services provided by soil biodiversity

**How to develop effective policies** and legal instruments to protect soil biodiversity

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1. Determine critical indicators for soil biodiversity
2. Determine measurements and harmonize SOPs
3. Document best practices for protecting/preserving soil biodiversity
4. Build local capacity to implement management practices
5. Characterize policy and economic incentives around soil biodiversity

Design and Implement the Global Soil Biodiversity Observatory

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How does GLOSOB work?

- Define essential biodiversity measurements
  - Limited membership
  - Moderate membership
  - Full membership

- Assess national capacities & infrastructure
  - Determine membership level

- Build national capacities & infrastructure (if needed)
  - Training program
  - Acquire equipment

- Increase national capacities & infrastructure
  - Advance capacity to next membership level

- Choose sites for monitoring
  - Hotspots
  - Land uses & intensity gradient
  - Local agreements/permits

- Secure funding for work

- Begin monitoring program
  - Data processing, storage, sharing
  - Incorporate measurements into national surveys

- Establish/strengthen National Monitoring Systems

- Build GLOSOB database
  - Follow GSP data sharing policy

- Report back to CBD, member parties & policy makers

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