5th Meeting of the Global Soil Laboratory Network (GLOSOLAN)

The International Network of Soil Biodiversity

23-25 November 2021

Rosa Cuevas, FAO/GSP Secretariat
• More than 5000 participants from 160 countries

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• **Recommendation 1:** Establishment of the Global Soil Biodiversity Observatory.

• **Recommendation 2:** Development of guidelines for measuring, assessing and monitoring (MAM) soil biodiversity.

• **Recommendation 3:** Development and implementation of a *capacity-building programme* on soil biodiversity including national assessments, monitoring, good management practices and restoration.

• **Recommendation 4:** Development of a field manual on soil biodiversity management that addresses soil biodiversity loss/conservation.

• **Recommendation 5:** Development of a technical booklet about the main soil-borne diseases.

• **Recommendation 6:** Development of the methodology for the economic valuation of soil biodiversity.

• **Recommendation 7:** Performance of an assessment of effective policies and legal instruments to control soil biodiversity loss.
Global Soil Biodiversity Observatory (GLOSOB)

• The GLOSOB will aim to monitor and forecast the condition of soil biodiversity and soil health and will serve as the framework for developing policies, promoting good practices, and developing national capacities on the state-of-the-art tools and methods on soil biodiversity and soil health assessment and maintenance.

International Network of Soil Biodiversity (NETSOB)

• The NETSOB aims to bring soil biodiversity experts and existing initiatives together in order to become the critical mass that contributes to the implementation of the GLOSOB.
Launch of the NETSOB  
“International Network on Soil Biodiversity”

3 December 2021 (14:00 - 18:00 CEST)  
Virtual format (Zoom)

- **Technical WG 1**: measurement, assessment and monitoring of soil biodiversity.
- **Technical WG 2**: sustainable use and management, and conservation of soil biodiversity.
- **Technical WG 3**: economics of soil biodiversity.
- **Technical WG 4**: policies and legal instruments related to soil biodiversity.
GLOSOLAN and NETSOB

**NETSOB meeting**
- Experience from GLOSOLAN and articulation with NETSOB
- Standard Operating Proceedings (SOPs) in relation with soil biodiversity
- Next soil biodiversity SOPs to harmonize in the framework of GLOSOLAN

**GLOSOLAN SOPs**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Status</th>
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<tbody>
<tr>
<td>Microbial biomass C and N by chloroform fumigation-extraction</td>
<td>Harmonization of the global matrix</td>
</tr>
<tr>
<td>Microbial enzyme activities</td>
<td>Matrix under completion by GLOSOLAN members doing this analysis</td>
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<tr>
<td>Soil respiration rate</td>
<td>Writing of the SOP ongoing</td>
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THANKS FOR YOUR ATTENTION!