



Food and Agriculture
Organization of the
United Nations

7th Asian Soil
Partnership

MEETING

9-10 March 2022

National Updates on Soil: Philippines

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CHAIR, ASIAN SOIL PARTNERSHIP



Main activities implemented under Pillar 1



- ❖ On Recarbonization of Global Soils (RECSOIL), the Philippines, through the Bureau of Soils and Water Management (BSWM) **has initiatives on scaling up RECSOIL for cropland, hillyland, and highland.**

PRRD OKAYS P523-M
NAT'L SOIL HEALTH PROGRAM,
BOOSTING FOOD SECURITY EFFORTS

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- ❖ Implementation of the **National Soil Health Program endorsed by DA Secretary and President of the Philippines Rodrigo Duterte.** This is also recommended as network activity for the Asian Region for soil health monitoring and promotion of Sustainable Soil Management (SSM).

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Main activities implemented under Pillar 1



1. Implement, monitor and document appropriate sustainable soil management (SSM) practices

A 60-hectare conservation farms were established in 6 sites nationwide to showcase appropriate SSM and empower local government units (LGUs) to integrate SSM into their local programs.



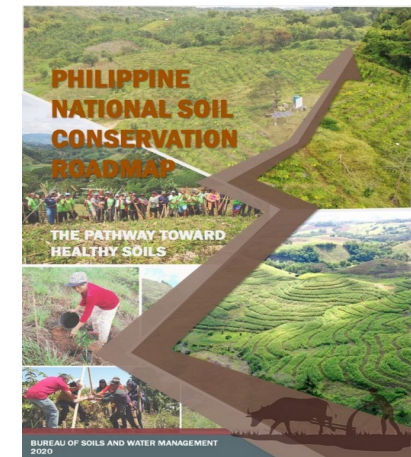
2. Development of infographics to promote SSM

This is also in support to the observance of the Annual Desertification and Drought Day and Soil Conservation Month to promote SSM



3. Development of the Philippine National Soil Conservation Roadmap

It provides a 10-year strategic actions that will be pursued to avoid soil degradation, reduce and mitigate ongoing degradation, and undertake restoration of degraded land and soils.



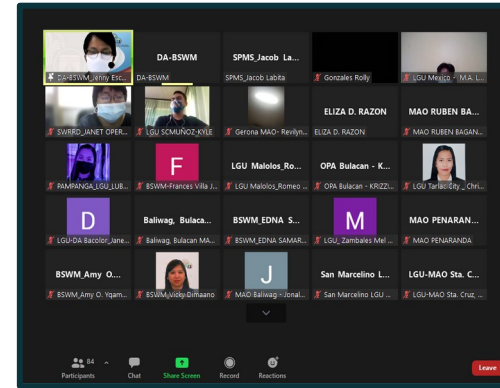
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Main activities implemented under Pillar 2



Webinars:

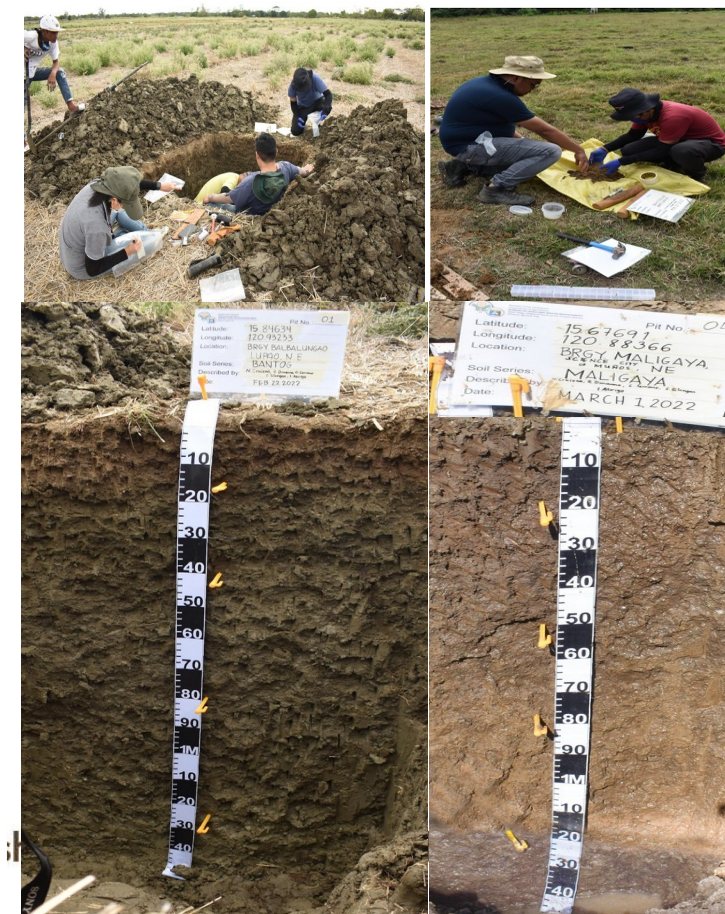


- ❖ Awareness raising - Live streaming FAO-GSP - “BSWM Taking the Lead in the Asian Soil Partnership Governance”
- ❖ Webinar on International Perspective on Sustainable Soil Management -Oct 13&15 (Region 3 -Batch 1), Oct 20 & 21 (Region 4AQ – Batch 2)

Main activities implemented under Pillar 2



- ❖ Policy brief for Adaptive Balanced Fertilization Management
- ❖ The Philippines hosted the celebration of World Soil Day 2021 with the theme “**Halt soil salinization, enhance soil production**”
 - conducted photo contest
 - reported standard method for analysis of Soil EC and interpretation
 - reported the inventory of salt-affected areas and soil salinity maps in the coastal provinces of the Philippines
 - **550 participants** attended the event from various agencies
- ❖ Conducted activities on **Sustainable Land Resource Management Approach (SLRMA)**
- ❖ Disseminated information on **Adaptive Balanced Fertilization Management**
- ❖ **Reactivation of Philippine Soil Partnership under OneDA Approach**
 - Mainstream activities at the BSWM with funding support
- ❖ Philippines started **Inventory of Black Soil in Nueva Ecija Province** relating to the International Network of Black Soils
- ❖ Adopted the Soil Doctors Programme in harmony with existing modules and trainings for the use of STK



Main activities implemented under Pillar 3



- ❖ Long-term research on Organic Carbon Monitoring for various land uses and sustainable soil management practices
- ❖ The BSWM contributed to the database in terms of reporting of all its researches on sustainable soil management :
 - *National Soil Sampling and Testing for Rice and Corn Growing Areas*
 - *National Mapping, Characterization and Development of Spatial Database for the Coastal Areas Affected by Salinity*
 - *Sustainable Land Resource Management Approach in Developing Agro-Environmental Potential of Vulnerable Uplands and Hillylands*
 - *Improving Nutrient Use Efficiency Towards Precision Agriculture through Enhanced Soil and Water Resources Research*
 - *Soil Health Assessment and Microbial Community Analysis in Organic, Low External Input and Conventional Vegetable and Rice Production Systems*



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Main activities implemented under Pillar 4



SALT-AFFECTED SOILS
(0-30 cm)
REPUBLIC OF THE PHILIPPINES



Projection: Transverse Mercator
Datum: WGS 1984
Disclaimer: All political boundaries are not authoritative



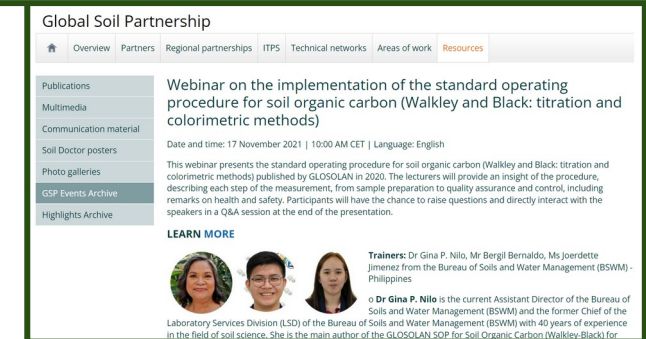
- ❖ The Philippines has submitted a National Map on Salt-Affected Soils as the country's contribution to **Global Soil Salinity Map (GSASmap)**
- ❖ Digital soil mapping of **Soil Organic Carbon (SOC) Map**, and **SOC Sequestration Potential Maps**
- ❖ The Philippines has submitted a **National Soil Series Maps** harmonized to the **World Reference Base (WRB)** classification system for inclusion in the **Soil Atlas of Asia**
- ❖ The Philippines, through the BSWM has participated in the **workshop on creating/maintaining national soil databases and soil property mapping**
- ❖ The Philippines, through the BSWM has participated in the **workshop on soil data management**



Main activities implemented under Pillar 5



| Pillar 5 Activities | Accomplishments |
|------------------------------------|--|
| <p>A. Harmonization of Methods</p> | <p>I. Serves as the Global Leader for the development of GLOSOLAN SOP for Bulk Density</p> <ul style="list-style-type: none"> ❖ Draft SOP – ongoing review by the review panel <p>II. Serves as TWG member for the development of the following GLOSOLAN SOPs:</p> <ul style="list-style-type: none"> ● Soil Respiration <ul style="list-style-type: none"> ❖ Draft SOP – ongoing review by the review panel) ● Microbial Enzymatic Activity <ul style="list-style-type: none"> ❖ ongoing harmonization <p>III. Led the Webinar on the Implementation of GLOSOLAN SOPs in 2021</p> <ul style="list-style-type: none"> ❖ Soil Organic Carbon (Walkley-Black) ❖ Available P (Bray I and Bray II) ❖ Available P (Olsen) ❖ Soil Electrical Conductivity (soil/water, 1:5) |



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Main activities implemented under Pillar 5



| Pillar 5 Activities | Accomplishments |
|--|---|
| B. National Soil Laboratory Network Activities | 2nd Annual Meeting of the Philippines National Soil Laboratory Network (Phil NASOLAN) conducted last December 22, 2021 with a total of 79 participants. Soil Laboratories were group into four categories (RSLs, Da-National Labs, SUCs/Research Labs, and Private Labs) and elected co-chairs for each category. |
| C. Participation to GLOSOLAN PT and other PT schemes | I. Ongoing analysis of 2021 GLOSOLAN PT samples (samples received in February 21, 2022) II. Facilitated the participation of 20 soil laboratories to the 2021 FFTC-TARI PT |
| D. Downscaling of GLOSOLAN Activities | I. Leads the country mainstreaming of the published GLOSOLAN SOPs for soil analysis through Presidential Decree 1435 . A total of 36 soil laboratories are aligning their test methods with the GLOSOLAN SOPs. II. Sustained performance as the National Reference Soil Laboratory of FAO |
| E. Attendance to GLOSOLAN Meetings | Led the attendance of 157 laboratory staff members of the Phil NASOLAN to various FAO led meetings in 2021 |



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THANK YOU!

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