



# **Eleventh Session of the Global Soil Partnership Plenary Assembly**

Rome, Italy, 12–14 July 2023

### REPORT OF THE ELEVENTH SESSION OF THE GLOBAL SOIL PARTNERSHIP PLENARY ASSEMBLY

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#### Opening of the session and launch of the Soil Atlas of Asia

The eleventh session of the Plenary Assembly of the Global Soil Partnership (GSP) was conducted as a hybrid event. It was held from 12 to 14 July 2023 (the list of participants is attached in Annex I).

The three-day event was chaired by Mr Rachid Moussadek, Joint Senior Scientist from the International Center for Agricultural Research in the Dry Areas (ICARDA) - the National Agricultural Research Institute (Morocco) and Chair of the Near East and North Africa (NENA) Soil Partnership. No nomination for Vice-Chairpersons was received from the African Regional Group in the Food and Agriculture Organization of the United Nations (FAO). Dr Charles Kome, from the Farm Production and Conservation (FPAC) of the United States Department of Agriculture, acted as the Rapporteur.

The FAO Director-General, Dr QU Dongyu, welcomed the participants to the Plenary Assembly and acknowledged the commitment of the GSP and its partners in advocating for soil health improvement, combating climate change, raising awareness, safeguarding the food system, and meeting the objectives of the United Nations (UN) Sustainable Development Goals (SDGs). Dr Qu Dongyu welcomed the new members of the Intergovernmental Technical Panel on Soils (ITPS) and welcomed the launch of the Soil Atlas of Asia, which illustrates the diversity and richness of soils in the region and is the result of great efforts in capacity development and generation of soil information by participating countries.

Honourable Senator Robert Black, Chair of the Standing Senate Committee on Agriculture and Forestry of Canada, offered welcoming remarks and highlighted the importance of the GSP as a tireless advocate for soil health and for placing soil firmly on the world agenda. He discussed the importance of collecting and sharing soil data.

His Excellency Mario Arvelo, Ambassador of the Dominican Republic to FAO, retraced the most important milestones for FAO from its foundation, congratulated and thanked Ronald Vargas for his tireless work on the establishment and consolidation of the GSP, emphasizing that a soil conservation and protection body was indispensable if hunger and malnutrition were to be eradicated from the world. His Excellency also drew attention to the fundamental role that farming families play in protecting soil fertility and to the crisis Haiti's soils are experiencing.

His Excellency Lee Seong-Ho, Ambassador and Permanent Representative of the Republic of Korea to FAO, during his opening remarks, expressed deep gratitude to FAO for advancing soil knowledge and information around the world and particularly in Asia. Thereafter, His Excellency renewed his wish for members' support for GSP in general and the Global Soil Information System (GloSIS) project in particular.

Her Excellency Renate Hahlen, Minister Counsellor, Permanent Representation to FAO Delegation of the European Union to the Holy See, Order of Malta, UN Agencies in Rome and to the Republic of San Marino, provided opening remarks on behalf of the European Union Delegation in Rome. Her Excellency emphasized the importance of ecosystem services provided by soil, in particular its ability to absorb carbon and filter water. Her Excellency addressed the European soil protection and monitoring legislation, stressing how soil protection legislation is crucial if the goal of healthy European soils by 2050 is to be achieved. She also stressed that healthy soils are crucial for a circular economy, climate neutrality goals, halting desertification, and avoiding biodiversity loss. Her Excellency emphasized the importance of having reliable data to know the soil health status and in this sense applauded the launch of the Soil Atlas of Asia, thanking the Republic of Korea, FAO and the GSP for this important milestone. She concluded by thanking Mr Luca Montanarella for his outstanding contribution to raising awareness

of the importance of soil around the world.

A video presentation of the Soil Atlas of Asia was aired.

The Chairman of the Assembly then gave the floor to Mr Rapibhat Chandarasrivongs, Director-General of the Department of Agriculture (DoA) of the Ministry of Agriculture and Cooperatives of Thailand and President of the Soil and Fertilizer Society of Thailand. Mr Chandarasrivongs stressed that soil is the basis for both food security and food safety and reiterated the importance of healthy soils for healthy food production. His Excellency elaborated on how important it is to act immediately to restore soil health and how Thailand has been working on this issue since 2010 and has made the celebration of World Soil Day an event of national significance in honour of His Majesty King Bhumibol Adulyadej, who dedicated his life to sustainable soil management and food security.

To close the opening session, a special guest, Laureate Professor Ravi Naidu, CEO and Managing Director of the Cooperative Research Centre (CRC) for Contamination Assessment and Remediation of the Environment in Australia, delivered a keynote presentation on the importance of soil health for a sustainable agrifood system within the framework of one health. Prof. Naidu highlighted how soil degradation processes caused by pollution affect soil physical, biological, and chemical soil properties with an economic impact of over USD 50 billion per year. Prof. Naidu showed the negative effects on human health derived from poor soil management and expressed the need for a collaborative, multisectoral and interdisciplinary approach considering both local and global issues, and ultimately called for an accord like the Paris Agreement for halting environmental pollution.

#### Item 1: Adoption of the Agenda (GSPPA: XI/2023/1)

Mr Lifeng Li, Director of the Land and Water Division (NSL), FAO, opened the GSP Plenary Assembly and presented the main topics to be discussed during the eleventh session. Mr Li guided the audience through the agenda. He drew attention to the work done by regional partnerships and emphasized their importance, thanked all those involved in organizing and celebrating World Soil Day 2022, and concluded his speech with a call to join forces to improve sustainable soil management for better production, better nutrition, better environment, and a better life leaving no one behind. He appreciated the presence of such a large audience, both in person and online, thanked previous speakers for their words, and enthusiastically welcomed the launch of the Soil Atlas of Asia.

The agenda was adopted as outlined.

# Item 2: Status on the implementation of the Global Soil Partnership (GSP) Action Framework (including monitoring and soil health index) (GSPPA: XI/2023/2)

Mr Yusuf Yigini (GSP Secretariat), presented progress on the design of the GSP Action Framework indicator system and the global soil health index by the GSP Action Framework (ISAF) working group for indicator system. The ISAF working group is developing a system that follows the following principles: 1. A structured approach, 2. A measurable assessment, 3. Tracking progress with Key Performing Indicators, 4. Outcome monitoring, and 5. Being strategic and sustainable. A Global Soil Health Index is to be developed with soil ecosystem services as a centre and an initial focus on agricultural lands. A global soil health dashboard was proposed.

He discussed the future steps of a new SoilSTAT working group to be established within INSII.

Mr Yigini then invited members to formally acknowledge the progress made in the preparation of the indicator system.

Mr Ronald Vargas, Secretary of the Global Soil Partnership, highlighted the importance of monitoring soil health trends and action as a mechanism for coordinating the UN Rio Conventions and other global target, such as the SDGs. He emphasized the need for strong coordination with the science-policy interface (SPI) of the United Nations Convention to Combat Desertification (UNCCD) and the ITPS, and the joint efforts to produce and review documents and methodologies. However, this kind of coordination is not in place for the United Nations Framework Convention on Climate Change (UNFCCC). For the United Nations Convention on Biological Diversity (CBD), Mr Vargas mentioned that the coordination gap will be filled by the Global Soil Biodiversity Observatory (GLOSOB) of the GSP.

The Plenary Assembly welcomed the progress made in the preparation of the GSP Action Framework 2022-2030 indicator system and requested the GSP Secretariat to continue to support the ISAF working group to enable it to submit the proposal of the soil health index and key performance indicator system to the next Plenary Assembly.

The Assembly requested the GSP Secretariat to organize an inclusive process for reviewing and finalizing the implementation plan of the Action Framework and mandated the Secretariat to develop a capacity-building programme to support Members in the reporting of the key performance indicators.

The Plenary Assembly welcomed Thailand's proposal to establish the International Decade on Soil Health and requested the Secretariat to prepare a document for consideration at the next Plenary Assembly and further submission to the Committee on Agriculture (COAG).

# Item 3: Implications of the establishment of a Sub-committee on soils under FAO's Committee on Agriculture (COAG) and maintaining the GSP in its current structure (GSPPA: XI/2023/3)

Mr Vargas laid out the proposal as a procedure to reinforce the Partnership with a move from a voluntary partnership into a stronger institutional setting and exposed the options. The last COAG requested a document detailing the financial implications and participation of non-state actors.

Concerns were raised about the proposal by some Members along with requests for clarification on the role of the regional soil partnerships and non-state actors in the Sub-committee.

Mr Vargas clarified that the function of the Plenary Assembly for this agenda item was to provide a recommendation to the twenty-ninth session of COAG whether the GSP shall be maintained at its current status or a Sub-Committee on soils shall be established.

The Plenary Assembly did not reach a consensus on the establishment of a COAG Sub-Committee on soils, however, it was clear that all members wanted the GSP to be maintained and strengthened. It was agreed that the Plenary Assembly will recommend the COAG to maintain the GSP in its current status and discuss further the possible creation of the Sub-Committee on soils during the next GSP Plenary Assembly, with a document prepared by the Secretariat outlining, albeit hypothetically, the financial and governance implications of the Sub-committee.

## Item 4: Work of the Intergovernmental Technical Panel on Soils (ITPS) (GSPPA: XI/2023/4)

Prof. Rosa Poch, Chair of the ITPS, presented the members of the fourth panel of the ITPS and summarized the achievements of the ITPS in 2022–2023, particularly the publication of six ITPS letters, and the progress done in the preparation of the 2025 Status of the World's Soil Resources report. Ms Poch also explained the work plan for 2023–2024, underlining two future publications: the *Technical manual for the sustainable management of mountain soils* (FAO) and the *Technical manual on assessing, mapping, monitoring, and reporting on soil pollution.* 

The Plenary Assembly appreciated the work done by the ITPS and recognized the commitment and dedication of the outgoing members as well as the rapid engagement of the new members.

The Assembly also welcomed the progress made in the preparation of the second edition of the Status of the World's Soil Resources report, renewed appreciation for the first edition of the document, and encouraged ITPS members to actively contribute to its preparation by involving a wide range of experts from all the regions. The Plenary Assembly urged Members and partners to encourage national experts to participate in the various activities led by the ITPS, on the preparation of the second edition of the Report on the State of the World's Soil Resources.

The Plenary Assembly endorsed the ITPS work plan for the next year and invited donors and partners to support this work by providing financial and income resources and support.

The efficient cooperation of the ITPS with other intergovernmental and scientific panels was also noted with appreciation.

### Item 5: Report on the financial status of the GSP (GSPPA: XI/2023/5)

Ms Vanja Maslovarik (FAO) presented the financial situation of the GSP and explained that over the eleven years that the GSP had been running, funds had increased year by year. The source of funds was discussed in terms of the internal accounting system, the donor, and grant amounts, with the donors from the government sector (including UN agencies) being the largest donors. Numerous new grants have been or are currently being negotiated with diverse donors for ongoing and new projects. Ms Maslovarik highlighted that several donors have renewed their support for the GSP while new donors have approached the GSP Secretariat for funding ongoing activities, showing confidence in the work being done by the GSP.

Special mention was made of the funding provided by the U.S. State Department to develop an informed decision support system (DSS) based on soil fertility mapping for governments and farmers in three countries in Central America and Africa in response to the global fertilizer crisis. **The Plenary Assembly recognized the timeliness of this action and encouraged Members to support it through financial and in-kind contributions, joining efforts with similar existing initiatives.** 

### Item 6: Report on normative tools and actions on sustainable soil management (GSPPA: XI/2023/6)

Ms Carolina Olivera (GSP Secretariat) presented the normative tools and global action on sustainable

soil management (SSM). She discussed the scope of the SSM Protocol and that the protocol allows the assessment of whether interventions in the field are compliant with the Voluntary Guidelines for Sustainable Soil Management (VGSSM). Ms Olivera explained how SoiLEX is regularly updated and informed the Plenary about the different webinars and publications supporting better soil governance worldwide.

Ms Olivera called for the active participation of focal points to keep SoiLEX up to date but also for the collection of SSM practices. She explained that the GSP Secretariat is collecting information on SSM practices to feed the WOCAT database for soil management purposes, as it uses quantitative and qualitative data, and is a widely used and recognized database that can be very useful to GSP members and partners.

Finally, she presented the activities related to the Global Soil Doctors Programme and the implementation of the pilot projects of the RECSOIL initiative.

## 6.1 Compliance to the Voluntary Guidelines for Sustainable Soil Management (VGSSM) including the Protocol for the assessment of Sustainable Soil Management (SSM Protocol)

The Assembly thanked Ms Olivera for the clear presentation and stressed the SoiLEX database's potential to inspire other countries to adopt or discuss adopting soil protection legislation. The Plenary Assembly reiterated the importance of continue working on strengthening legal frameworks and soil governance.

The Plenary Assembly expressed appreciation for the efforts made in the development of the SSM Protocol and its user manual to assess if a given soil management practice complies with the definition and principles of the VGSSM and encouraged members and partners to use it in every project.

### 6.2 Response to the fertilizer crisis via the International Code of Conduct for the Sustainable Use and Management of Fertilizers

The Assembly recognized the role of the International Code of Conduct for the Sustainable Use and Management of Fertilizers (Fertilizer Code) in raising awareness on the sustainable use of fertilizers among different stakeholders. It also acknowledged the efforts of the GSP Secretariat in preparing tools for the dissemination of the Fertilizer Code.

The Plenary Assembly acknowledged the progress made in the implementation of the Fertilizer Code through several projects and through the Global Symposium on Soils for Nutrition and invited Members and partners to adopt the Fertilizer Code and to support its implementation at the national level to address the fertilizer crisis.

#### 6.3 RECSOIL: Recarbonization of global soils

The Plenary Assembly acknowledged the progress made in scaling up and implementing RECSOIL activities and pilot projects in selected countries. The Plenary Assembly expressed its appreciation for the efforts made for the publication of the document *Addressing gender equality in sustainable soil management* and acknowledged the positive impact of RECSOIL on the awareness of farmers and extension technicians on sustainable soil management.

The Assembly reinforced its support to the RECSOIL initiative and invited donors to provide financing to advance this implementation on the ground.

#### 6.4 Global Soil Doctors Programme

The Plenary Assembly welcomed the example of Mexico which has used many normative tools, documents and concepts defined by the Partnership to develop the National Soil Strategy, and highlighted the great benefits of the Global Soil Doctors Programme in raising awareness among farmers and how this benefits the government in achieving its objectives.

The Assembly invited members and partners to promote this programme and contribute financially or in kind to its implementation.

### Item 7: Status on the organization of global symposia (GSPPA: XI/2023/7)

Ms Natalia Rodríguez Eugenio (GSP Secretariat) presented an overview of the global symposia organized to date as well as the proposal for the upcoming symposia and the progress in implementing the recommendations derived from each one to address each of the ten soil health threats.

#### 7.1 Report on the Global Symposium on Soils for Nutrition 2022

The Plenary Assembly expressed appreciation and gratitude for the efforts made in organizing the Global Symposium on Soils for Nutrition (GSOIL4N) and encouraged the implementation of the GSOIL4N Outcome Document. Resource partners who had financially supported the organization of the GSOIL4N were acknowledged and new resource partners encouraged to subsidize upcoming symposia. The Plenary Assembly, given the great success of attendance at GSOIL4N, and which reached almost 9 500 people from 180 countries thanks to the virtual mode, decided to maintain the hybrid mode also for future events.

The Assembly encouraged members and other partners to join the efforts of the ITPS, GSP Secretariat and co-organizers to implement the recommendations and related actions outlined at the previous symposia's outcome documents.

#### 7.2 Preparations for the Global Symposium on Soils and Water 2023

The Plenary Assembly recognized the efforts made in organizing the Global Symposium on Soils and Water (GSOWA) to be held from 2 to 5 October 2023 in a hybrid format.

The Plenary Assembly called upon Members and partners for strong participation in the GSOWA and encouraged members and partners to join the efforts of the ITPS and GSP Secretariat in implementing an integrated soil and water management.

#### 7.3 Preparations for the Global Symposium on Soil Data and Information 2024

The Plenary Assembly confirmed the decision for the 2024 Global Symposium on Soil Data and Information (GSID24) to be held in 2024 and all the partners were invited to actively contribute to its organization.

The Plenary Assembly reaffirmed the decision on the main themes to be addressed, namely: advances in soil data collection, analysis, and data quality; data ownership, sharing, and collaboration in soil science; challenges and opportunities in soil data standardization and interoperability, and soil data for sustainable policy and decision making.

The Plenary Assembly took note of suggestions from some members to include a clear reference to data quality in the title of the Symposium but given the need to keep the title short and easy to translate into all languages, it was decided to keep the current title but to include data quality and harmonization as a priority topic in the symposium concept note and agenda.

#### 7.4 Preparations for the Global Symposium on Soil Sealing and Urban Soils 2025

The Plenary Assembly endorsed the ITPS suggestion to hold the Global Symposium on Soil Sealing and Urban Soils in 2025, on Soil Compaction and Physical Degradation in 2026, and on Soil Acidification in 2027.

#### Item 8: Report on Regional Soil Partnerships (GSPPA: XI/2023/8)

#### 8.1 Survey on the status and future of Regional Soil Partnerships

Mr Yuxin Tong (GSP Secretariat) presented to the Plenary Assembly the result of the survey on the Status and Future of Regional Soil Partnerships (RSPs) and concluded that RSPs play a crucial role in promoting SSM practices.

Ms Anne Muriuki, Chair of the African Soil Partnership, Ms Gina Nilo, Chair of the Asian Soil Partnership Chair, Ms Isabelle Luotto (GSP Secretariat) and Mr Rachid Moussadek, Chair of the NENA Soil Partnership, Mr Rainer Baritz, Chair of the European Soil Partnership (ESP), Ms Sol Ortiz, Chair of the Latin American and Caribbean Soil Partnership, Mr Bob Turnock, Chair of the North America Soil Partnership, and Mr Peter Wilson, Chair of the Pacific Soil Partnership presented the activities and initiatives done by the RSPs.

The Plenary Assembly welcomed the results of the survey organized with focal points to better understand experiences and challenges and make better representation.

The Plenary Assembly recognized and welcomed all the achievements made by the RSPs, reiterating the need to lend strong support to the RSPs by mobilizing resources and facilitating prominent regional activities, including advocacy for SSM and soil information systems.

It exhorted all GSP partners (both FAO members and non-state stakeholders), to become fully involved in RSPs activities and to establish strong and supportive networks of experts in each region.

The Plenary Assembly welcomed the proposal to set up meetings between the RSPs and the GSP to better realize and understand the transition from pillars to actions.

## Item 9: Progress of the GSP Technical Networks (GSPPA: XI/2023/9)

#### 9.1 International Network of Soil Information Institutions (INSII)

Mr Marcos Angelini (GSP Secretariat), presented the main activities carried out by the network on behalf of the Chair of International Network of Soil Information Institutions (INSII), Mr Luca Montanarella. The Plenary Assembly was updated regarding the network's activities on global data products, global and national soil information system development, capacity development, and publications.

The Plenary Assembly invited the INSII to lead the working group for the development of a key

performance indicator system for the GSP Action Framework 2022-2030 and the global soil health index in line with SoilSTAT reporting objectives and would consider the approval of the document prepared by the working group at the ninth session of the INSII in November 2023.

The Assembly invited FAO Members to establish national soil information systems in accordance with INSII guidelines and with the support of the GSP Secretariat.

The Plenary Assembly invited INSII members to nominate national experts from the GSNmap initiative and welcomed and acknowledged the progress of the capacity development programme aimed at empowering countries in digital soil mapping and soil data management.

### 9.2 Global Soil Laboratory Network (GLOSOLAN) and its initiative on soil spectroscopy

Ms Miriam Ostinelli, Chair of the Global Soil Laboratory Network (GLOSOLAN), presented the main activities of the network. These activities can be divided mainly into six groups: 1. Harmonization of Standard Operating Procedures (SOPs); 2. Provision of training and preparation of awareness-raising material on several topics; 3. Organization of interlaboratory proficiency tests (PTs); 4. Collaboration with other networks (INFA, NETSOB, INSAS, INSOP INBS); 5. Collection of soil import regulations worldwide into the SIMPLE database; and 6. Sharing laboratory capacities and needs with the different scientific communities.

The Plenary Assembly welcomed the progress made in several activities as well as the continued work of the Regional Soil Laboratory Networks (RESOLANs) and the GLOSOLAN Spectroscopy initiative.

The Plenary Assembly called upon Members to contribute to information on national legislation on the import and export of soil samples to further develop the SIMPLE database.

#### 9.3 International Network of Black Soils (INBS)

Prof. Miguel Angel Taboada, Chair of the International Network of Black Soils (INBS), updated the Assembly with the activities carried out by the network and with the work plan for 2023.

The Plenary Assembly welcomed the efforts made by the INBS members to advance in the implementation of its work plan and encouraged all Members to continue contributing to the best of their ability to the development of key documents, products, and projects for sustainable soil management and conservation of black soils.

#### 9.4 International Network of Salt-affected Soils (INSAS)

Prof. Jorge Batlle-Sales, Chair of the International Network of Salt Affected Soils (INSAS), presented the activities and the main achievements of the network which is composed of 743 members from 120 countries. The Plenary Assembly was updated on the *Global report on the status of salt-affected soils*, and the SOP for salt-affected soils.

The Plenary Assembly encouraged FAO Members facing soil salinity and sodification problems to contribute to the preparation of the *Global assessment of salt-affected soils* report and to participate in other network activities aimed at the sustainable management and restoration of these soils where necessary.

The Assembly encouraged FAO Members facing soil salinity and sodicity problems and using brackish

or sodic water for irrigation to join the Global Campaign on Salinization.

#### 9.5 International Network on Fertilizer Analysis (INFA)

Dr Wesley Feldmann, Chair of the International Network on Fertilizer Analysis (INFA), updated the Plenary Assembly on INFA's ongoing activities. The network was established in 2020 as a subnetwork of GLOSOLAN and supports the implementation of the Fertilizer Code. It consists of 185 laboratories from 88 countries.

Dr Feldman also introduced the International Network on Soil Fertility and Fertilizers (INSOILFER) which aims to address nutrient imbalances and promote the adoption of the soils for nutrition concept for making soils healthy and fertile by 2030 as a contribution to the transformation of agrifood systems. INFA has become the fourth working group of INSOILFER.

The Plenary Assembly encouraged FAO Members and partners to join INSOILFER and continue advancing the activities initiated by INFA and invited resource partners to support the activities of the network.

#### 9.6 International Network on Soil Biodiversity (NETSOB)

Prof. Peter de Ruiter, Chair of the International Network on Soil Biodiversity (NETSOB), presented the activities of NETSOB carried out by nearly 1 000 members from over 100 countries. The NETSOB Chair remarked on the importance of including the topic of biodiversity protection within the Global Soil Doctors Programme.

The Plenary Assembly welcomed the establishment of the Global Soil Biodiversity Observatory (GLOSOB) and encouraged member countries and resource partners to support it.

The Assembly encouraged countries and stakeholders to join NETSOB and participate in its different activities to strengthen knowledge on the measurement, assessment, monitoring and sustainable use of biodiversity.

#### 9.7 International Network on Soil Pollution (INSOP)

Prof. Ravi Naidu, Chair of the International Network on Soil Pollution (INSOP), presented to the Assembly the activities and achievements of INSOP. The Assembly was updated on the six working areas of the network, its governance and the 2023-2025 action plan.

The Plenary Assembly encouraged INSOP members to focus on enhancing the capacity of Members and partners to assess, monitor and remediate environmental contamination. The Plenary Assembly invited resource partners to support the activities of the network and to fund INSOP activities.

## Item 10: World Soil Day report 2022, preparations for 2023 and theme for 2024, awareness raising on soils and prizes: (GSPPA: XI/2023/10)

Ms Isabelle Verbeke (GSP Secretariat) presented the work and successes of World Soil Day (WSD) 2022 to the Assembly. The Assembly appreciated the successful World Soil Day celebrations organized worldwide by a wide range of stakeholders held in December 2022, as well as the successful organization of the King Bhumibol Award and the Glinka World Soil Prize in 2022 and thanked the sponsors of these two prestigious awards.

The Plenary Assembly endorsed the program intended for WSD 2023 under the theme *Soil and water:* a source of life and encouraged Members, partners, and other stakeholders to organize WSD celebrations under the 2023 theme.

The Plenary Assembly invited partners to disseminate the call for nominations for the King Bhumibol WSD Award 2023 Award and the call for nominations for the Glinka World Soil Prize 2023, ensuring a fully inclusive process through submissions from different regions of the world. It called on other funding sources to contribute financially to the implementation of the prizes beyond 2023.

Mr Ronald Vargas, GSP Secretary, thanked all Members for the proposals and the participation in the discussion. Mr Vargas explained that the WSD also serves as a promotional event for the future symposium and therefore the theme should be consistent with that of the symposium.

The assembly voted to choose the title for WSD 2024 and the choice that received the most support was *Caring for soils: measure, manage, monitor*.

#### Item 11: Election of the Chair and Vice-Chair, and appointment of the rapporteur for the next period

The twelfth GSP Plenary Assembly would be chaired by a representative from Africa, with the Vice-Chair coming from North America. The rapporteur would come from the Pacific Region.

#### Item 12: Date and venue of the next Plenary session

The Plenary Assembly noted that the dates and venue for the twelfth Plenary Assembly in 2024 would be communicated as soon as FAO and the Rome-based UN agencies had structured the calendar of events.

### **Annex I: List of participants**

#### FAO Members Delegations

Country	Participants	
Afghanistan	Hanista Ahmadzai	
Albania	Anton Koliqi	
Algeria	Hamza Hebbache	
Algeria	Khalida Derradji	
Algeria	Toufik Milla	
Angola	Maria Jardim	
Argentina	Carla Pascale Medina	
Argentina	Carolina Hernandez	
Argentina	Cecilia Vespasiano	
Argentina	Daniel Antonio Carreira	
Argentina	Guillermo Spika	
Australia	Emma Hatcher	
Australia	Peter Wilson	
Australia	Ravjit Khangura	
Australia	Ruth Mallett	
Australia	Sue Bestow	
Austria	Ika Djukic	
Azerbaijan	Firidun Tagiyev	
Azerbaijan	Samira Gurbanli	
Azerbaijan	Sima Mammadova	
Bangladesh	Zainal Abedin	
Belarus	Dmitry Kharitonchik	
Belarus	Pavel Kuzmitsky	
Belgium	Esther Goidts	
Bhutan	Birkha Bahadur Tamang	
Bolivia (Plurinational State of)	Abiagail Rosario Calle Limaco	
Bolivia (Plurinational State of)	Antelo Daniel Herrera Màrquez	
Bolivia (Plurinational State of)	Blas Mamani Vargas	
Bolivia (Plurinational State of)	Orlando Apaza Poma	
Bolivia (Plurinational State of)	Paola Vanessa Choque Cruz	
Bolivia (Plurinational State of)	Porfirio Cussy Poma	
Bolivia (Plurinational State of)	Roberto Carlos Dorado Chavez	
Brazil	Carla Carneiro	
Brazil	Fabio Meira De Oliveira Dias	
Brazil	Gustavo Goretti	
Brazil	Jefé Leão Ribeiro	
Brazil	Leonardo Werlang Isolan	

Brazil	Yriz Soares Da Silva	
Bulgaria	Irena Atanassova	
Burkina Faso	Aristide Thiombiano	
Burkina Faso	Ibrahim Koné	
Burkina Faso	Rasmané Romba	
Cabo Verde	Elsa Simoes	
Cambodia	Pascal Jouquet	
Cameroon	Edouard Nya	
Cameroon	Moungui Medi	
Cameroon	Ndzana Georges Martial	
Cameroon	Yvette Clarisse Mfopou Mewouo	
Canada	Asim Biswas	
Canada	Bob Turnock	
Canada	Ferda Simpson	
Canada	Joanne Markle LaMontagne	
Canada	Marty Klyne	
Canada	Paula Simons	
Canada	Robert Black	
Canada	Victor Oh	
Chile	José Javier Gorostegui	
Chile	Rodrigo Osorio Hermosilla	
Chile	Samuel Francke	
China	Han Li	
China	Rong Li	
Colombia	Daniela Pèrez	
Colombia	Emilce Mora	
Colombia	Henry Jimenez	
Colombia	Linda Gil	
Colombia	Maria Teresa Florez Molina	
Colombia	María Yuli Gonzalez	
Congo	Bienvenu Ntsouanva	
Congo	Paul Raphaël Ongouala	
Costa Rica	Carla Sierra Zuniga	
Costa Rica	Carlomagno Salazar Calvo	
Costa Rica	Federico Zamora Cordero	
Côte d'Ivoire	Koffi Adjoumani	
Croatia	Ivana Zegnal	
Cuba	Luis Agustin Gómez Jorrin	
Cuba	Yamila Vigo Cuza	
Cyprus	George Poulides	
Cyprus	Marios Georgiades	

Czechia	Josef Kozak	
Dominican Republic	Berioska Morrison Gonzalez	
Dominican Republic	Diana Infante	
Dominican Republic	Iris Joseline Pujol	
Dominican Republic	Julia Vicioso	
Dominican Republic	Larissa Veloz	
Dominican Republic	Maria Laureano	
Dominican Republic	Mario Arvelo	
Dominican Republic	Moira Vargas	
Dominican Republic	Patricia Rodríguez	
Ecuador	Estephany Valencia	
Ecuador	Felipe Cornejo	
Ecuador	Patricio Troya	
Egypt	Alaa Khallouf	
Egypt	Mohamed Baioumy	
Egypt	Mohamed Elsayed	
Estonia	Eike Lepmets	
Eswatini	Musa Mbingo	
Eswatini	Wisdom Dlamini	
Ethiopia	Ahmed Mahamed	
Ethiopia	Kaba Urgessa Dinssa	
Ethiopia	Tolera Goshu	
European Union	Arwyn Jones	
European Union	Beata-Dorota Golenska	
European Union	Jörg Roos	
European Union	Luis Sanchez Alvarez	
European Union	Matthijs Van Huijgevoort	
European Union	Mirco Barbero	
European Union	Bavo Peeters	
European Union	Luca Montanarella	
France	Antonio Bispo	
France	Céline Jurgensen	
France	Christian Hartmann	
France	Faustine De La Faire	
France	Jongh Emmanuelle	
France	Louis De Brondeau	
France	Marie Christine Dictor	
France	Michel Leveque	
France	Patricia Laville	
France	Raoul Mille	
France	Suzanne Reynders	

Gabon	Gislain Moussavou
Gambia	Demba N.A. Trawally
Germany	Kirstin Marx
Ghana	Phyllis Martha Klorkor Mends
Ghana	Samuel Kwasi Benefo
Greece	Helen Karasali
Guatemala	Adonay Cajas
Guatemala	Cándida Tacam
Guatemala	Carlos José Siquinajay Castro
Guatemala	Cecilia Beatriz Caceres Valdez
Guatemala	César Arturo Cruz
Guatemala	Daniel Esteban Camposeco Tzunun
Guatemala	Enrique Velasco
Guatemala	Erick Fernando Suárez Morales
Guatemala	Eunice Alvarez Barrientos
Guatemala	Fausto Aragón Polanco
Guatemala	Francisco Rodriguez
Guatemala	Héctor Hiu
Guatemala	Hugo Tobias
Guatemala	Lester Humberto Muñoz Aguirre
Guatemala	Marlenne Quezada
Guatemala	Olga Maria Pérez Tuna
Guatemala	Oscar Leonel Quiñonez De La Cruz
Guatemala	Pedro Rosado Pol
Guatemala	Sergio Rafael López
Guatemala	Victor Hugo Giron Guzman
Guatemala	Victor Orellana
Haiti	Emmanuel Charles
Haiti	Jean Bony Alexandre
Haiti	Nova Pierre
Holy See	Fernando Chica Arellano
Holy See	Giacomo Busoni
India	Ashok Patra
India	Nishant Sinha
India	Shivesh Kumar
Indonesia	Asmarhansyah Asmarhansyah
Iran (Islamic Republic of)	Alireza Esmaili
Iran (Islamic Republic of)	Jahanbakhsh Mirzavand
Iran (Islamic Republic of)	Safdar Niazi Shahraki
Iraq	Sadeq Dwenee
Ireland	Niall Ryan

Italy	Andrea Angeli
Italy	Anna Luise
Italy	Beata Golenska
Italy	Claudia Cagnarini
Italy	Elisabetta Lanzellotto
Italy	Graziella Romito
Italy	Maria Fantappiè
Italy	Nanda Nobile
Italy	Simonetta Rivelli
Japan	Daisuke Takahashi
Jordan	Nabeel Bani Hani
Khazakstan	Assel Berentayeva
Khazakstan	Maira Kussainova
Kuwait	Salah Albazzaz
Kyrgyzstan	Кутман Исаев
Liberia	Sheku N. Gbollie
Libya	Ali Abdulla Kh Madi
Libya	Hamzah Mohammed Ali Sadeerah
Libya	Sulayman Aboud
Libya	Sundus Ammar Arhoumah Arhoumah
Malawi	Annie Matumba
Malawi	Ivy Ligowe
Malaysia	Abdul Rahman Abdul Wahab
Malaysia	Siti Normaznie Binti Abdul Muttalib
Mali	Aly Coulibaly
Mauritania	Adema Barry
Mauritania	Mohamed Lemine Cheikh Oubey
Mauritania	Mohemd Elbechir Elhadj
Mexico	Alfonso de la Torre
Mexico	Andrea Margarita García Casillas
Mexico	Didiher Antonio Martínez
Mexico	Diego Montiel Oscura
Mexico	Jorge Luis Garcia
Mexico	Jorge Nieves
Mexico	Jose Luis Delgado Crespo
Mexico	José Vicente Gómez Palafox
Mexico	Julio César Medrano Echeverría
Mexico	Laura Susana Tamayo Galván
Mexico	Marcos Casiano Domínguez
Mexico	Maria De Los Angeles Gomez Aguilar
Mexico	Maribel Pineda Rivera

Mexico	Mario Pérez	
Mexico	Miguel Ángel Aguilera Barrón	
Mexico	Miguel Garcia Winder	
Mexico	Pedro Antonio Plateros Gastelum	
Mexico	Sergio Arturo Quiñonez Favila	
Mexico	Sol Ortiz Garcia	
Mexico	Yadira Gomez Hernandez	
Myanmar	Aung Kyaw Thu	
Myanmar	Cho Mar Htwe	
Myanmar	Khin Mu	
Myanmar	Ni Tint	
Myanmar	Thandar Nyi	
Namibia	Nandesora Matundu	
Nepal	Kamal Sah	
Nepal	Roshan Ojha	
Netherlands (Kingdom of the)	Hans Brand	
Netherlands (Kingdom of the)	Yvonne Van Laarhoven	
New Zealand	Jenny Reid	
Nicaragua	Pedro Muñoz	
Niger	Abdourahaman Elh Moustapha	
Nigeria	Abdul Baba Kudu	
Nigeria	Abigail Ojo	
Nigeria	Mary Idowu	
Nigeria	Yaya Olaitan Olaniran	
North Macedonia	Hristina Poposka	
Norway	Belinda Flem	
Oman	Hamad Al Dhuhli	
Pakistan	Fozia Memon	
Pakistan	Muhammad Zubair	
Palestine	Nahawand Souqia	
Peru	Manuel Gabriel Velasquez Ramirez	
Philippines	Agnes Morada	
Philippines	Babylou Magdaug	
Philippines	Bella Noceda	
Philippines	Chari Ann Maestre	
Philippines	Dante Margate	
Philippines	Dean Marc Bolima	
Philippines	Denise Solano	
Philippines	Ernesto Brampio	
Philippines	Eva Dacumos	
Philippines	Gina Nilo	

Philippines	Hazel Jane Faa	
Philippines	Heycel Briol	
Philippines	Jacqueline Nicolas	
Philippines	Jacqueline Rojales	
Philippines	John Loyd Pagaduan	
Philippines	Josyline C. Javelosa	
Philippines	Jovette Almeda	
Philippines	Justine Ann Alcantara	
Philippines	Karen Bautista	
Philippines	Maria Ivana Kay Abrigo	
Philippines	Maria Kristina Ventura	
Philippines	Maribel Jalalon	
Philippines	Maribel Mananguit	
Philippines	Marjorir Jean Tao	
Philippines	May Caryl Corbito	
Philippines	Mercedita Sombilla	
Philippines	Oscar Carpio	
Philippines	Ronald Allan Dimano	
Philippines	Rosemarie Umagat	
Philippines	Sandy Abiad	
Philippines	Shirley Buduan	
Portugal	Cláudia Sá	
Portugal	Daniel Lopes	
Republic of Korea	Dongjin Lee	
Republic of Korea	Marjorie Mosende	
Republic of Korea	Seong-ho Lee	
Russian Federation	Victoria Bocharova	
Russian Federation	Vladimir Palchenkov	
Senegal	Marie Bassene	
Serbia	Snežana Andjelković	
Slovenia	Petra Karo Bešter	
Solomon Islands	Merald Ajo	
South Africa	Adolph Malatji	
South Africa	Anneliza Collett	
South Africa	Moleshane Mamaile	
South Africa	Ramakgahlela Lydia Bosoga	
South Africa	Segwatibe Makobe	
Spain	Elena Boyano Gago	
Sri Lanka	Harsha Kadupitiya	
Sudan	Eiman Fadul	
Sudan	Saadia Daak	

Switzerland	Michael Zimmerman
Thailand	Anuwat Pothinam
Thailand	Apichat Boonkasem
Thailand	Attanan Phromyothin
Thailand	Darinee Phromyothin
Thailand	Federica Veschi
Thailand	Intouch Yimtae
Thailand	Kreeyaporn Devahastin
Thailand	Kundhinee Aksornwong
Thailand	Nopmanee Suvannang
Thailand	Onuma Suppaityothin
Thailand	Pittayakorn Limtong
Thailand	Ponsmith Klangnapa
Thailand	Prapa Taranet
Thailand	Rapibhat Chandarasrivongs
Thailand	Ratchanok Sangpenchan
Thailand	Saengrawee Khanpijit
Thailand	Saranya Norkaew
Thailand	Sunsanee Arunyawat
Thailand	Supajit Sriariyawat
Thailand	Thayukorn Prabamroong
Tonga	Viliami Manu
Tunisia	Dalel Melki
Tunisia	Wafa Boumaila
Türkiye	Derya Sürek
United Arab Emirates	Ayeda Alhosani
United States of America	Jeffrey Herrick
United States of America	Jerry Glover
United States of America	Kome Charles
United States of America	Ronit Gerard
United States of America	Sean Cox
Uruguay	Carlos Clerici
Uzbekistan	Jamshid Najmitdinov
Uzbekistan	Lazizakhon Gafurova
Venezuela (Bolivarian Republic of)	Aissami Madah Haifa
Venezuela (Bolivarian Republic of)	Gutierrez Marycel Pacheco
Venezuela (Bolivarian Republic of)	Jose Angel Bucarello
Venezuela (Bolivarian Republic of)	Luis Geronimo Reyes Verde
Zambia	Godwin Siagande
Zambia	Kayoya Masuhwa
Zambia	Patricia Kondolo

#### Other Participants

Country	Affiliation	Participant name
Algeria	University Center of Tipaza	Abdelkader Douaoui
Algeria	Rendement Plus	Asma Belouanas
Algeria	National Institute of Soil, Irrigation and Drainage	Saddek Medjahed
Algeria	CRSTRA	Tarek Assami
Argentina	Asociación Argentina de la Ciencia del Suelo / ITPS	Guillermo Studdert
Argentina	AAPRESID	Mailen Saluzzio
Argentina	University of Buenos Aires, College of Agriculture. National Academy of Agronomy and Veterinary. Carbon Group Agroclimatic Solution	Miguel Angel Taboada
Argentina	GCAN	Pilu Giraudo
Argentina	Universidad Nacional del Centro de la Prov. de Buenos Aires	Silvia Mestelan
Armenia	Non-affiliated participant	Artak Khachatryan
Armenia	Scientific Center Soil Science, Agrochemistry and Melioration After Named H. Petrosyan Branch ANAU	Samvel Sahakyan
Armenia	Scientific Center Soil Science, Agrochemistry and Melioration After Named H. Petrosyan Branch ANAU	Tatev Djangiryan
Australia	Western Sydney University	Brajesh Singh
Australia	DAFF	Kristi Stinson
Australia	University of Melbourne	Mae Glaese
Australia	Soil CRC (Australia)	Michael Crawford
Australia	Office of the National Soils Advocate	Penelope Wensley
Australia	Australian Government Department of Agriculture, Fisheries and Forestry	Rowena Yates
Australia	Global Centre for Environmental Remediation, University of Newcastle, Australia	Scott Warner
Australia	University of Melbourne	Xia Liang
Australia	EAL Southern Cross University	Graham Lancaster
Austria	Ministry for Agriculture	Andrea Spanischberger
Austria	Geoprospectors	Jošt Potrpin
Austria	IAEA	Lee Heng
Azerbaijan	Institute of Soil Science and Agrochemistry	Amin Ismayilov

Bangladesh         Sher-e-Bangla Agricultural University         Mirza Hasanuzzaman           Bangladesh         Kamfisht Universe Engineering         Muhammad Ariful Haque           Bangladesh         Soil Resource Development Institute         A. F. M. Manzurul Hoque           Bangladesh         Development Organisation of Coastal Area's People (DOCAP)         Md Masud Alam           Belarus         Belarusian State University         Magali Herranz           Belgium         Non-affiliated participant         Magali Herranz           Belgium         UCLouvain - Centre de Michamps         Martien Swerts           Belgium         UCLouvain - Centre de Michamps         Thibaut Cugnon           Benin         Youth Initiative for Land in Arica (YILAA)         Roël Houdanon           Benin         Land and Health Association         Roël Houdanon           Bhutan         National Soil Services Centre, Department of Agriculture, Ministry of Agriculture, Ministry of Agriculture & Livestock         Tashi Wangdi           Bolivia         Viceministerio de Tierras         Favio Mamani           Brazil         University of Pernambuco         Antonio Marcos Dos Santos           Brazil         Instituto Abraço         Fernando Lima           Brazil         Brazil Instituto Abraço         Fernando Lima           Brazil         Urera - SECS	Azerbaijan	Ministry of Agriculture	Ilhama Gadimova
Bangladesh         Soil Resource Development Institute Institute         A. F. M. Manzurul Hoque Institute           Bangladesh         Development Organisation of Coastal Area's People (DOCAP)         Md Masud Alam           Belarus         Belarusian State University         Aliaksandr Chervan           Belgium         Non-affiliated participant         Magali Herranz           Belgium         UCLouvain - Centre de Michamps         Martien Swerts           Belgium         UCLouvain - Centre de Michamps         Thibaut Cugnon           Benin         Land and Health Association         Roël Houdanon           Benin         Land and Health Association         Roël Houdanon           National Soil Services Centre, Department of Agriculture, Ministry of Agriculture & Livestock         Tashi Wangdi           Bolivia         Viceministerio de Tierras         Favio Mamani           Brazil         University of Pernambuco         Antonio Marcos Dos Santos           Brazil         Embrapa         Daniel Perez           Brazil         Brazilian Soil Science Society         Gonçalo Farias           Brazil         Brazilian Soil Science Society         Gonçalo Farias           Brazil         UFRRI - SBCS         Lucia Helena Anjos           Brazil         UFRRI - SBCS         Lucia Helena Anjos           Brazil	Bangladesh		Mirza Hasanuzzaman
Institute	Bangladesh	Kamfisht Universe Engineering	Muhammad Ariful Haque
Belarus Belarusian State University Aliaksandr Chervan Belgium Non-affiliated participant Magali Herranz Belgium Government of Flanders Martien Swerts Belgium UCLouvain - Centre de Michamps Belgium UCLouvain - Centre de Michamps Benin Vouth Initiative for Land in Africa (YILAA) Benin Land and Health Association Roël Houdanon National Soil Services Centre, Department of Agriculture, Ministry of Agriculture, Ministry of Agriculture & Livestock Bolivia Viceministerio de Tierras Favio Mamani Brazil University of Pernambuco Antonio Marcos Dos Santos Brazil Embrapa Daniel Perez Brazil Instituto Abraço Fernando Lima Brazil Brazilan Soil Science Society Gonçalo Farias Brazil Universidade Federal do Rio Grande do Norte Brazil UFRRJ - SBCS Lucia Helena Anjos Brazil UFRRJ - SBCS Lucia Helena Anjos Brazil Non-affiliated participant Monique Maia Brazil Atlantica Simbios Rangel Romão Bulgaria Non-affiliated participant Alassane Koussoube Burkina Faso YILAA Ismael Pare Burkina Faso YILAA Ismael Pare Burkina Faso Hathaus Alamon Linstitut de Recherche Agricole pour le Développement (Inda) Arlende Flore Ngomeni Epouse Nguengoue	Bangladesh		A. F. M. Manzurul Hoque
Belgium         Non-affiliated participant         Magali Herranz           Belgium         Government of Flanders         Martien Swerts           Belgium         UCLouvain - Centre de Michamps         Thibaut Cugnon           Benin         Youth Initiative for Land in Africa (YILAA)         Innocent Antoine Houedji           Benin         Land and Health Association         Roël Houdanon           Buttan         National Soil Services Centre, Department of Agriculture, Ministry of Agriculture, Ministry of Agriculture & Livestock         Tashi Wangdi           Bolivia         Viceministerio de Tierras         Favio Mamani           Brazil         University of Pernambuco         Antonio Marcos Dos Santos           Brazil         University of Pernambuco         Antonio Marcos Dos Santos           Brazil         Instituto Abraço         Fernando Lima           Brazil         Brazil University of Ceara         Francelita Coelho Castro           Brazil         Brazilan Soil Science Society         Gonçalo Farias           Brazil         UFRJ - SBCS         Lucia Helena Anjos           Brazil         UFRJ - SBCS         Lucia Helena Anjos           Brazil         Atlantica Simbios         Rangel Romão           Brazil         Atlantica Simbios         Rangel Romão           Bulgaria         N	Bangladesh		Md Masud Alam
Belgium         Government of Flanders         Martien Swerts           Belgium         UCLouvain - Centre de Michamps         Thibaut Cugnon           Benin         Youth Initiative for Land in Africa (YILAA)         Innocent Antoine Houedji           Benin         Land and Health Association         Roël Houdanon           Benin         National Soil Services Centre, Department of Agriculture, Ministry of Agriculture & Livestock         Tashi Wangdi           Bolivia         Viceministerio de Tierras         Favio Mamani           Brazil         University of Pernambuco         Antonio Marcos Dos Santos           Brazil         Embrapa         Daniel Perez           Brazil         Fernando Lima         Fernando Lima           Brazil         Federal University of Ceara         Francelita Coelho Castro           Brazil         Brazilan Soil Science Society         Gonçalo Farias           Brazil         Universidade Federal do Rio Grande do Norte         João Reis           Brazil         UrFRJ - SBCS         Lucia Helena Anjos           Brazil         Maria De Lourdes Mendonça Santos Brefin           Brazil         Non-affiliated participant         Monique Maia           Brazil         Non-affiliated participant         Monique Maia           Brazil         National Soil Survey         Y	Belarus	Belarusian State University	Aliaksandr Chervan
Belgium         UCLouvain - Centre de Michamps         Thibaut Cugnon           Benin         Youth Initiative for Land in Africa (YILAA)         Innocent Antoine Houedji           Benin         Land and Health Association         Roël Houdanon           Bhutan         National Soil Services Centre, Department of Agriculture, Ministry of Agriculture & Livestock         Tashi Wangdi           Bolivia         Viceministerio de Tierras         Favio Mamani           Brazil         University of Pernambuco         Antonio Marcos Dos Santos           Brazil         Embrapa         Daniel Perez           Brazil         Instituto Abraço         Fernando Lima           Brazil         Federal University of Ceara         Francelita Coelho Castro           Brazil         Brazilian Soil Science Society         Gonçalo Farias           Brazil         Universidade Federal do Rio Grande do Norte         João Reis           Brazil         UFRRJ - SBCS         Lucia Helena Anjos           Brazil         Embrapa Soils         Maria De Lourdes Mendonça Santos Brefin           Brazil         Non-affiliated participant         Monique Maia           Brazil         Atlantica Simbios         Rangel Romão           Bulgaria         National Soil Survey         Yavor Yordanov           Burkina Faso         Non-aff	Belgium	Non-affiliated participant	Magali Herranz
Benin         Youth Initiative for Land in Africa (YILAA)         Innocent Antoine Houedji           Benin         Land and Health Association         Roël Houdanon           Bhutan         National Soil Services Centre, Department of Agriculture, Ministry of Agriculture & Livestock         Tashi Wangdi           Bolivia         Viceministerio de Tierras         Favio Mamani           Brazil         University of Pernambuco         Antonio Marcos Dos Santos           Brazil         Embrapa         Daniel Perez           Brazil         Instituto Abraço         Fernando Lima           Brazil         Federal University of Ceara         Francelita Coelho Castro           Brazil         Brazilan Soil Science Society         Gonçalo Farias           Brazil         Universidade Federal do Rio Grande do Norte         João Reis           Brazil         UFRRJ - SBCS         Lucia Helena Anjos           Brazil         Embrapa Soils         Maria De Lourdes Mendonça Santos Brefin           Brazil         Non-affiliated participant         Monique Maia           Brazil         Atlantica Simbios         Rangel Romão           Bulgaria         National Soil Survey         Yavor Yordanov           Bulgaria         National Soil Survey         Yavor Yordanov           Burkina Faso         Non-affiliated pa	Belgium	Government of Flanders	Martien Swerts
Africa (YILAA)	Belgium	UCLouvain - Centre de Michamps	Thibaut Cugnon
BhutanNational Soil Services Centre, Department of Agriculture, Ministry of Agriculture & LivestockTashi WangdiBoliviaViceministerio de TierrasFavio MamaniBrazilUniversity of PernambucoAntonio Marcos Dos SantosBrazilEmbrapaDaniel PerezBrazilInstituto AbraçoFernando LimaBrazilFederal University of CearaFrancelita Coelho CastroBrazilBrazilian Soil Science SocietyGonçalo FariasBrazilUniversidade Federal do Rio Grande do NorteJoão ReisBrazilUFRRJ - SBCSLucia Helena AnjosBrazilEmbrapa SoilsMaria De Lourdes Mendonça Santos BrefinBrazilNon-affiliated participantMonique MaiaBrazilAtlantica SimbiosRangel RomãoBulgariaNational Soil SurveyYavor YordanovBulgariaZhivel-AgroZhivka GanchevaBurkina FasoNon-affiliated participantAlassane KoussoubeBurkina FasoYILAAIsmael PareBurkina FasoYILAAIsmael PareBurkina FasoPare National Institute of Agriculture Researchand Development (India)Jacques TavaresCabo VerdeNational Institute of Agriculture Researchand Development (India)Arlende Flore Ngomeni Épouse NguengoueCameroonInstitut de Recherche Agricole pour le Développement (IRAD)Arlende Flore Ngomeni Épouse Nguengoue	Benin		Innocent Antoine Houedji
BhutanDepartment of Agriculture, Ministry of Agriculture & LivestockTashi WangdiBoliviaViceministerio de TierrasFavio MamaniBrazilUniversity of PernambucoAntonio Marcos Dos SantosBrazilEmbrapaDaniel PerezBrazilInstituto AbraçoFernando LimaBrazilFederal University of CearaFrancelita Coelho CastroBrazilBrazilian Soil Science SocietyGonçalo FariasBrazilUniversidade Federal do Rio Grande do NorteJoão ReisBrazilUFRRJ - SBCSLucia Helena AnjosBrazilEmbrapa SoilsMaria De Lourdes Mendonça Santos BrefinBrazilNon-affiliated participantMonique MaiaBrazilAtlantica SimbiosRangel RomãoBulgariaNational Soil SurveyYavor YordanovBulgariaZhivel-AgroZhivka GanchevaBurkina FasoNon-affiliated participantAlassane KoussoubeBurkina FasoYILAAIsmael PareBurkina FasoYILAAIsmael PareBurkina FasoNational Institute of Agriculture Researchand Development (India)Jacques TavaresCabo VerdeNational Institute of Agriculture Researchand Development (India)Arlende Flore Ngomeni Épouse NguengoueCambodiaInstitut de Recherche Agricole pour le Développement (IRAD)Arlende Flore Ngomeni Épouse Nguengoue	Benin	Land and Health Association	Roël Houdanon
BrazilUniversity of PernambucoAntonio Marcos Dos SantosBrazilEmbrapaDaniel PerezBrazilInstituto AbraçoFernando LimaBrazilFederal University of CearaFrancelita Coelho CastroBrazilBrazilian Soil Science SocietyGonçalo FariasBrazilUniversidade Federal do Rio Grande do NorteJoão ReisBrazilUFRRJ - SBCSLucia Helena AnjosBrazilEmbrapa SoilsMaria De Lourdes Mendonça Santos BrefinBrazilNon-affiliated participantMonique MaiaBrazilAtlantica SimbiosRangel RomãoBulgariaNational Soil SurveyYavor YordanovBulgariaZhivel-AgroZhivka GanchevaBurkina FasoNon-affiliated participantAlassane KoussoubeBurkina FasoYILAAIsmael PareBurkina FasoBureau National des Sols (BINASOLS)Mamoudou TraoreCabo VerdeNational Institute of Agriculture Researchand Development (India)Jacques TavaresCambodiaInstitute of Technology of CambodiaRatha MuonCameroonInstitut de Recherche Agricole pour le Développement (IRAD)Arlende Flore Ngomeni Épouse Nguengoue	Bhutan	Department of Agriculture, Ministry of Agriculture &	Tashi Wangdi
BrazilEmbrapaDaniel PerezBrazilInstituto AbraçoFernando LimaBrazilFederal University of CearaFrancelita Coelho CastroBrazilBrazilian Soil Science SocietyGonçalo FariasBrazilUniversidade Federal do Rio Grande do NorteJoão ReisBrazilUFRJ - SBCSLucia Helena AnjosBrazilEmbrapa SoilsMaria De Lourdes Mendonça Santos BrefinBrazilNon-affiliated participantMonique MaiaBrazilAtlantica SimbiosRangel RomãoBulgariaNational Soil SurveyYavor YordanovBulgariaZhivel-AgroZhivka GanchevaBurkina FasoNon-affiliated participantAlassane KoussoubeBurkina FasoYILAAIsmael PareBurkina FasoYILAAIsmael PareBurkina FasoNational Institute of Agriculture Researchand Development (India)Jacques TavaresCabo VerdeNational Institute of Technology of CambodiaRatha MuonCambodiaInstitut de Recherche Agricole pour le Développement (IRAD)Arlende Flore Ngomeni Épouse Nguengoue	Bolivia	Viceministerio de Tierras	Favio Mamani
Instituto Abraço   Fernando Lima	Brazil	University of Pernambuco	Antonio Marcos Dos Santos
BrazilFederal University of CearaFrancelita Coelho CastroBrazilBrazilian Soil Science SocietyGonçalo FariasBrazilUniversidade Federal do Rio Grande do NorteJoão ReisBrazilUFRRJ - SBCSLucia Helena AnjosBrazilEmbrapa SoilsMaria De Lourdes Mendonça Santos BrefinBrazilNon-affiliated participantMonique MaiaBrazilAtlantica SimbiosRangel RomãoBulgariaNational Soil SurveyYavor YordanovBulgariaZhivel-AgroZhivka GanchevaBurkina FasoNon-affiliated participantAlassane KoussoubeBurkina FasoYILAAIsmael PareBureau National des Sols (BINASOLS)Mamoudou TraoreCabo VerdeNational Institute of Agriculture Rsearchand Development (India)Jacques TavaresCambodiaInstitute of Technology of CambodiaRatha MuonCameroonInstitut de Recherche Agricole pour le Développement (IRAD)Arlende Flore Ngomeni Épouse Nguengoue	Brazil	Embrapa	Daniel Perez
BrazilBrazilian Soil Science SocietyGonçalo FariasBrazilUniversidade Federal do Rio Grande do NorteJoão ReisBrazilUFRRJ - SBCSLucia Helena AnjosBrazilEmbrapa SoilsMaria De Lourdes Mendonça Santos BrefinBrazilNon-affiliated participantMonique MaiaBrazilAtlantica SimbiosRangel RomãoBulgariaNational Soil SurveyYavor YordanovBulgariaZhivel-AgroZhivka GanchevaBurkina FasoNon-affiliated participantAlassane KoussoubeBurkina FasoYILAAIsmael PareBurkina FasoBureau National des Sols (BINASOLS)Mamoudou TraoreCabo VerdeNational Institute of Agriculture Reacrchand Development (India)Jacques TavaresCambodiaInstitute of Technology of CambodiaRatha MuonCameroonInstitut de Recherche Agricole pour le Développement (IRAD)Arlende Flore Ngomeni Épouse Nguengoue	Brazil	Instituto Abraço	Fernando Lima
Brazil Universidade Federal do Rio Grande do Norte  Brazil UFRRJ - SBCS Lucia Helena Anjos  Brazil Embrapa Soils Maria De Lourdes Mendonça Santos Brefin  Brazil Non-affiliated participant Monique Maia  Brazil Atlantica Simbios Rangel Romão  Bulgaria National Soil Survey Yavor Yordanov  Bulgaria Zhivel-Agro Zhivka Gancheva  Burkina Faso Non-affiliated participant Alassane Koussoube  Burkina Faso YILAA Ismael Pare  Bureau National des Sols (BINASOLS) Mamoudou Traore  Cabo Verde National Institute of Agriculture Researchand Development (India)  Cambodia Institut de Recherche Agricole pour le Développement (IRAD) Arlende Flore Ngomeni Épouse Nguengoue	Brazil	Federal University of Ceara	Francelita Coelho Castro
BrazilGrande do NorteJoão ReisBrazilUFRRJ - SBCSLucia Helena AnjosBrazilEmbrapa SoilsMaria De Lourdes Mendonça Santos BrefinBrazilNon-affiliated participantMonique MaiaBrazilAtlantica SimbiosRangel RomãoBulgariaNational Soil SurveyYavor YordanovBulgariaZhivel-AgroZhivka GanchevaBurkina FasoNon-affiliated participantAlassane KoussoubeBurkina FasoYILAAIsmael PareBureau National des Sols (BINASOLS)Mamoudou TraoreCabo VerdeNational Institute of Agriculture Rsearchand Development (India)Jacques TavaresCambodiaInstitute of Technology of 	Brazil	Brazilian Soil Science Society	Gonçalo Farias
Brazil Embrapa Soils Maria De Lourdes Mendonça Santos Brefin  Brazil Non-affiliated participant Monique Maia  Brazil Atlantica Simbios Rangel Romão  Bulgaria National Soil Survey Yavor Yordanov  Bulgaria Zhivel-Agro Zhivka Gancheva  Burkina Faso Non-affiliated participant Alassane Koussoube  Burkina Faso YILAA Ismael Pare  Bureau National des Sols (BINASOLS) Mamoudou Traore  Cabo Verde Researchand Development (India)  Cambodia Institute of Agriculture Researchand Development (India)  Cambodia Institute de Recherche Agricole pour le Développement (IRAD) Épouse Nguengoue	Brazil		João Reis
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BrazilAtlantica SimbiosRangel RomãoBulgariaNational Soil SurveyYavor YordanovBulgariaZhivel-AgroZhivka GanchevaBurkina FasoNon-affiliated participantAlassane KoussoubeBurkina FasoYILAAIsmael PareBureau National des Sols (BINASOLS)Mamoudou TraoreCabo VerdeNational Institute of Agriculture Rsearchand Development (India)Jacques TavaresCambodiaInstitute of Technology of CambodiaRatha MuonCameroonInstitut de Recherche Agricole pour le Développement (IRAD)Arlende Flore Ngomeni Épouse Nguengoue	Brazil	Embrapa Soils	
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BulgariaZhivel-AgroZhivka GanchevaBurkina FasoNon-affiliated participantAlassane KoussoubeBurkina FasoYILAAIsmael PareBureau National des Sols (BINASOLS)Mamoudou TraoreCabo VerdeNational Institute of Agriculture Rsearchand Development (India)Jacques TavaresCambodiaInstitute of Technology of CambodiaRatha MuonCameroonInstitut de Recherche Agricole pour le Développement (IRAD)Arlende Flore Ngomeni Épouse Nguengoue	Brazil	Atlantica Simbios	Rangel Romão
Burkina FasoNon-affiliated participantAlassane KoussoubeBurkina FasoYILAAIsmael PareBureau National des Sols (BINASOLS)Mamoudou TraoreCabo VerdeNational Institute of Agriculture Rsearchand Development (India)Jacques TavaresCambodiaInstitute of Technology of CambodiaRatha MuonCameroonInstitut de Recherche Agricole pour le Développement (IRAD)Arlende Flore Ngomeni Épouse Nguengoue	Bulgaria	National Soil Survey	Yavor Yordanov
Burkina FasoYILAAIsmael PareBurkina FasoBureau National des Sols (BINASOLS)Mamoudou TraoreCabo VerdeNational Institute of Agriculture Rsearchand Development (India)Jacques TavaresCambodiaInstitute of Technology of CambodiaRatha MuonCameroonInstitut de Recherche Agricole pour le Développement (IRAD)Arlende Flore Ngomeni Épouse Nguengoue	Bulgaria	Zhivel-Agro	Zhivka Gancheva
Burkina FasoBureau National des Sols (BINASOLS)Mamoudou TraoreCabo VerdeNational Institute of Agriculture Rsearchand Development (India)Jacques TavaresCambodiaInstitute of Technology of CambodiaRatha MuonCameroonInstitut de Recherche Agricole pour le Développement (IRAD)Arlende Flore Ngomeni Épouse Nguengoue	Burkina Faso	Non-affiliated participant	Alassane Koussoube
Cabo Verde  National Institute of Agriculture Rsearchand Development (India)  Institute of Technology of Cambodia  Cameroon  Institut de Recherche Agricole pour le Développement (IRAD)  Mamoudou Traore  Jacques Tavares  Ratha Muon  Arlende Flore Ngomeni Épouse Nguengoue	Burkina Faso	YILAA	Ismael Pare
Rsearchand Development (India)  Cambodia  Institute of Technology of Cambodia  Cameroon  Institut de Recherche Agricole pour le Développement (IRAD)  Epouse Nguengoue	Burkina Faso	(BINASOLS)	Mamoudou Traore
Cambodia  Cambodia  Institut de Recherche Agricole pour le Développement (IRAD)  Ratha Muon  Ratha Muon  Arlende Flore Ngomeni Épouse Nguengoue	Cabo Verde		Jacques Tavares
pour le Développement (IRAD) Épouse Nguengoue	Cambodia		Ratha Muon
Cameroon University of Yaoundé 1 Jean Baptiste Biloa	Cameroon		
	Cameroon	University of Yaoundé 1	Jean Baptiste Biloa

Cameroon	CASSS	Martin Yemefack
Cameroon	Young Volunteers for Environnment	Michele Laure Pekam
Cameroon	International Institute of Tropical Agriculture - I.I.T.A.	Rose Ndango
Cameroon	Association Institute of Total Environment (INTEV)	Samuel Tetsopgang
Cameroon	University of Buea	David Tavi Agbor
Cameroon	University of Buea	Valantine Asong Tellen
Canada	Non-affiliated participant	Ali Khalvati
Canada	ITPS	David Lobb
Canada	Dalhousie University	Gordon Price
Canada	Northern Alberta Institute of Technology	Jeff Battigelli
Canada	Association Nationale pour l'Évaluation Environnementale	Nicolas Shuku
Canada	Agriculture and Agri-Food Canada	Robert Turnock
Chile	Agriservice	Isabel Ortega
Chile	Agroanalisis UC	Liza Jofre
China	Tsinghua University	Deyi Hou
China	Institute of Soil Science, Chinese Academy of Sciences	Fang Wang
China	ITPS	Ke Jin
China	Wuhan University	Yiyun Chen
Colombia	Ministry of Foreign Affairs	Claudia Ortiz
Colombia	SaBio	Daniel Moreno Agudelo
Colombia	Retired from SGC	Gloria Prieto
Colombia	IDEAM	Jennyfer Paola Galvis Torres
Colombia	Car Dlia	Laura Casas
Colombia	Laboratorio Tecnianalisis S.A.S.	Laura Uribe
Colombia	Ahroambientales	Luis Eghmad Yamil
Colombia	SaBio	Nicolas Montoya Rojas
Colombia	Universidad EAFIT	Nicolas Pinel
Colombia	Ministerio de Ambiente y Desarollo Sostenibile	Olga Lucia Ospina Arango
Colombia	Universidad de Ciencias Aplicadas y Ambientales	Oscar Iván Monsalve Camacho
Colombia	Universidad Nacional de Colombia	Ramiro Ramirez Pisco
Colombia	La Salle University	Rosalina Gonzalez
Colombia	Universidad Nacional Abierta y a Distancia UNAD	Gerardo Ojeda

Colombia	Universidad de Caldas	Juan Carlos Montoya Salazar
Colombia	Instituto Geográfico Agustín Codazzi	Melissa Lis Gutiérrez
Colombia	Academia	Primitivo Nieto Ascanio
Costa Rica	Asociación Costarricense de la Ciencia del Suelo	Floria Bertsch
Côte D'Ivoire	Laboratoire Central Sols-Eaux- Plantes (LCSEP) / Centre National de Recherche Agronomique (CNRA)	Guy Fernand Yao
Côte D'Ivoire	AfricaRice Center	Salifou Goube Mairoua
Croatia	University of Zagreb Faculty of Agriculture	Marija Romić
Cuba	Ministerio de Agricultura	Dagoberto Rodríguez Lozano
Czech Republic	Agrio S.R.O.	Karel Jacko
Czech Republic	Research Institute for Soil and Water Conservation	Radim Vacha
Democratic Republic of the Congo	East Eagle Foundation	Didier Ntimansiemi
Democratic Republic of the Congo	Girls Community Faundation	Dikey Dikitele
Democratic Republic of the Congo	Ministry of Environment and Sustainable Management	Gaius Elenga
Democratic Republic of the Congo	Université Marien Ngouabi	Jean De Dieu Nzila
Democratic Republic of the Congo	Congolese Association for the Protection of the Environment	Julien Mulombo
Denmark	EEA	Giovanna Sidaoui
Denmark	European Environment Agency	Rainer Baritz
Djibouti	CERD	Mohamed Egueh Walieh
Dominican Republic	Banelino	Gustavo Gandini
Dominican Republic	Grupo GHeN	Juan Nicolás Faña Batista
Dominican Republic	Universidad UTE Ecuador	Sonia Emilia Leyva Ricardo
Ecuador	UTM	Ezequiel Zamora Ledezma
Ecuador	Ministerio de Agricultura y Ganadería	Javier Yépez
Ecuador	Instituto Nacional de Investigaciones Agropecuarias	Julio Moreno
Ecuador	Agencia de Regulación y Control Fito y Zoosanitario-Ministerio de Agricultura y ganadería	Katty Pastás
Ecuador	Instituto Nacional de Investigaciones Agropecuarias (INIAP)	Manuel Carrillo

Ecuador	Ministerio de Agricultura y Ganadería	Víctor Hugo Ortega Torres
Ecuador	Universidad de las Fuerzas Armadas-ESPE	Xavier Álvarez
Ecuador	INIAP	Yamil Cartagena
Ecuador	Ministerio de Agricultura y Ganadería	Ángel Ramiro Tixi Aucancela
Ecuador	Lab-Biotem S.A.	Ingrid Mercado
Egypt	NARSS	Mohamed Abdelrahman
Egypt	North Africa and the Near Est	Muhammad Abdel-Wareth Mahmoud Ghamri
Egypt	The Volunteer Team Foundation for Humanitarian Action	Mostafa Sherbiny
Egypt	Cairo University	Nader Ramadan
Ethiopia	Non-affiliated participant	Gidena Reda
Ethiopia	Mizan-Tepi University	Mulugeta Hadaro
Ethiopia	Hawassa University	Sheleme Beyene Jiru
Ethiopia	GIZ-ISFM+	Tefera Solomon
Ethiopia	Dilla University	Yackob Alemayehu
Ethiopia	Debre Markos University	Yohannes Misskire
Fiji	Ministry of Agriculture	Ami Chand Sharma
Fiji	Sugar Research Institute of Fiji	Mahimairaja Santiago
Finland	Non-affiliated participant	Aleksi Lehtonen
Finland	Non-affiliated participant	Jaakko Nippala
France	Association des Femmes pour le Développement Durable	Adèle Grembombo
France	IRD	Alain Brauman
France	GCAN APAD	Alix Masure
France	Non-affiliated participant	Clément Boyer
France	IRD	Frédérique Reigney
France	GCAN	Gerard Rass
France	Institut Agro	Guénola Pérès
France	INRAE	Jean-François Soussana
France	Terres de Métamorphoses	Jean-Pierre Aubert
France	CNRS	Laure Manach
France	INRAE	Mathieu Nogues
France	MB CONSULTANT	Matthieu Brosille
France	International "4 per 1000" Initiative	Paul Luu
France	Non-affiliated participant	Veronique Morin
France	International Fertilizer Association	Yvonne Harz-Pitre
France	Agrocoherence	Guillaume Bouchard
Gabon	Ministère de l'Agriculture	Elodie Kombila Epse Boussougou

Gabon	Ministère de l'Agriculture	Raphaël Ngadi Litadi
Gambia	Soil & Water Management Services Unit, Ministry of Agriculture	Abdou Rahman Jobe
Gambia	The Soil Solution	Ebrima Jarra
Georgia	DesertNET International	Dr. Kakha Nadiradze
Georgia	Ministry of Environmental Protection and Agriculture of Georgia	Ekaterine Sanadze
Georgia	Ilia State University, Institute of Zoology	Mzia Kokhia
Germany	GIZ	Anastasiia Gotgelf
Germany	Federal Ministry of Food and Agriculture	Barbara Heinrich
Germany	Boden & Grundwasser Allgäu GmbH	Jörg Danzer
Germany	Thünen Institute	Laura Rost
Germany	GIZ	Lieselotte Heinz
Germany	Thuenen Institute	Nicole Wellbrock
Germany	UFZ Leipzig	Sharad Gupta
Germany	Non-affiliated participant	Carolina Lisboa
Ghana	CSIR-Soil Research Institute	Edward Yeboah
Ghana	Community And Family Aid Foundation-GHANA	Joseph Kwashie
Greece	Aristotle University of Thessaloniki	Maria Tsiafouli
Haiti	Ministry of Agriculture	Donald Joseph
Hungary	Hungarian University of Agriculture and Life Sciences	Erika Micheli
Iceland	Soil Conservation Service of Iceland	A M Agustsdottir
Iceland	Soil Conservation Service of Iceland	Johann Thorsson
Iceland	Agricultural University of Iceland	María Svavarsdóttir
India	Know How Foundation	Abha Tadvalkar
India	Universal Versatile Society	Aglaia Gallo
India	International Rice Research Institute	Ajay Kumar Mishra
India	AgBoost Tech Consultancy	Anand Arya
India	ICAR-Indian Institute of Soil Science, Bhopal	Asit Mandal
India	K-Ferts Lab	Bhanudas Pendkar
India	ICAR-IIRR, HYDERABAD	Brajendra Parmar
India	AgriNet Solutions	Dharmesh Verma
India	Raja Narendra Lal Khan Women's College (Autonomous)	Dr. Partha Pratim Chakravorty

India	AAUAssam Rice Research Institute, Retd. Scientist, Titabor, Assam	Dr. Tj Ghose
India	Agri Biochem Research Lab, Panoli	Femida Patel
India	Association for Promoting Sustainability in Campuses and Communities (APSCC)	Golda Edwin
India	Foundation for Ecological Security	Hrushikesh Mahapatra
India	Non-affiliated participant	Jacob Jose
India	College of Agriculture, RVSKVV, Gwalior	Jaya Prajapati
India	Center for Natural Biological Resources and Community Development (CNBRCD)	Joseph Bagyaraj
India	Mani Trust	Mani Trust
India	Birsa Agricultural University Ranchi	Mohsina Anjum
India	Department Bio and Nano Technology, GJUST, Hisar Haryana	Namita Singh
India	Association for Promoting Sustainability in Campuses and Communities (APSCC)	Nandhivarman Muthu
India	Universal Versatile Society	Narayan Solanke
India	UDYAMA	Pradeep Mohapatra
India	Isha Outreach	Raghavendra Shastry
India	ICAR	Ranjan Bhattacharyya
India	Coffee Board	Sayyad Nadaf
India	Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir	Shabir Bangroo
India	Mani Trust	Subash Singh
India	VAAGDHARA	Sudeep Sharma
India	Dr YS Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh	Uday Sharma
India	Universal Versatile Society	Xinyue Han
India	Sardar kushinagar Dantiwada Agricultural University	Ankitkumar Chauhan
India	World Alliance for Planetary Health	Geetha P.N.
India	IAMMA	Kbn Rayana
India	ACSEN Agriscience Pvt Ltd	Onkar Singh
India	Svyam Bane Gopal	Parimal Parashar

India	Darjeeling Economic Development Council	Subash Singh
Indonesia	National Research and Innovation Agency	Markus Anda
Iran (Islamic Republic of)	Cotton Research Institute of Iran	Ghorban Ali Roshani
Iran (Islamic Republic of)	Non-affiliated participant	Iran.Jahanbakhsh Mirzavand
Iran (Islamic Republic of)	Ministry of Agriculture	Karim Ghorbani
Iran (Islamic Republic of)	Non-affiliated participant	Meisam Rezaei
Iran (Islamic Republic of)	Non-affiliated participant	Narges Mehrab
Iran (Islamic Republic of)	ITPS	Saeed Saadat
Iran (Islamic Republic of)	Parham Gostar Labratories	Seyed Cheraghi
Iran (Islamic Republic of)	Shiraz Municipality	Seyed Javad Naghibi
Iraq	Ministry of Agriculture	Dr. Iman Sahib
Israel	Ministry of Agriculture	Alon Maor
Israel	Tel Aviv University	Jonti Shepherd
Israel	Tel Aviv University	Sweta Singh
Israel	Tel Aviv University	Eyal Ben Dor
Italy	Non-affiliated participant	Adele Muscolo
Italy	OCB FAO	Amalia Daniela Renosto
Italy	ISPRA	Carlo Jacomini
Italy	WFP	Carlos Estevez
Italy	Mcm Ecosistemi	Chiara Cassinari
Italy	Non-affiliated participant	Chloé Berthelon
Italy	CNR	Costanza Calzolari
Italy	IFOAM - Organics International	Cristina Grandi
Italy	Non-affiliated participant	Csgl Interpretation Group
Italy	Non-affiliated participant	Danilo Calcaterra
Italy	IUSS	Edoardo Costantini
Italy	Global Alliance for Climate Smart Agriculture - GACSA	Elena Aprea
Italy	Emerging Ag	Fabio Niespolo
Italy	Università di Napoli Federico II	Fabio Terribile
Italy	Non-affiliated participant	Fao Plenaryroom
Italy	Terra Felix	Francesco Pascale
Italy	Non-affiliated participant	Gaia Filippone
Italy	EC JRC	Hakki Erdogan
Italy	Non-affiliated participant	Kamar Kh
Italy	Ciheam Bari	Lea Piscitelli
Italy	Novamont S.p.A.	Michele Falce
Italy	Università di Torino - Alpine Soil Partnership	Michele Freppaz
Italy	Non-affiliated participant	Nathalie Chantal Dubler
Italy	University of Naples Federico II	Nunzio Romano

Italy	CIHEAM Bari	Pandi Zdruli
Italy	World Agricultural Heritage Foundation	Parviz Koohafkan
Italy	Global Alliance for Climate Smart Agriculture - GACSA	Phoebe Moore
Italy	Non-affiliated participant	Plenary Hall
Italy	Non-affiliated participant	Romina Mariani
Italy	International Agri-Food Network	Rosemary Navarrete
Italy	IUSS PAVIA	Shafiq Ur Rehman Memon
Italy	Global Alliance for Climate Smart Agriculture - GACSA	Valentina Vitale
Italy	Non-affiliated participant	Yinfeng Guan
Italy	FAO	Divya Sasi
Jamaica	Ministry of Agriculture and Fisheries	Joan Morrison
Japan	Non-affiliated participant	Ryudai Oshima
Kazakhstan	Land Management Committee of the Ministry of Agriculture of the Republic of Kazakhstan	Murat Temirzhanov
Kenya	Kenya Agricultural and Livestock Research Organisation	Anne Muriuki
Kenya	Independent Consultant	Anthony Esilaba
Kenya	Kibabii University	Collins Majengo
Kenya	University of Eldoret	Odipo Osano
Kenya	AFRICLEAN	George Jowi
Kyrgyzstan	Kyrgyz Soil Science Society	Ermek Baibagyshov
Latvia	Ministry of Agriculture	Dace Guste
Lebanon	MOA	Fatme Beydoun
Lebanon	Lebanese University	Souhail Awad
Lesotho	Ministry of Forestry Range and Soil Conservation	Maseeiso Hlongwane
Liberia	University of Liberia	Salia Sheriff
Libya	Misurata Agricultural Research Station	Jalal Elgadi
Luxembourg	Non-affiliated participant	Louay Kerbey
Madagascar	Ministry of Environment and Sustainable Development	Hanitriniaina Razafindrahanta
Madagascar	Ministry of environment	Vonimirana Mbolatiana Rasolofoniaina
Madagascar	CaSA Network	Tantely Razafimbelo
Malawi	Department of Land Resources Conservation, Ministry of Agriculture	Mc Jum Thomas Chigowo
Malawi	Trash to Cash Team	Lumbani Mvula

Malaysia	Juta Mewangi Enterprise (M) Sdn Bhd	Bella Anis
Malaysia	Impact Circle	Melissa Ong
Mauritius	Mauritius Sugarcane Industry Research Institute	Laval Ronald Ng Cheong
Mauritius	Women Entrepreneur	Marie Maryline Legoff
Mauritius	MSIRI	Tesha Mardamootoo
Mauritius	F.A.L.C.O.N. ASSOCIATION	Gunsham Seeborun
Mexico	Colegio de Postgraduados	Alejandrina Ruíz-Bello
Mexico	Rinnovo	Alejandro Espinoza
Mexico	Universidad Autónoma Agraria Antonio Narro	Alfredo Ogaz
Mexico	Agroplasma Ferticell	Alvaro Hiram Montoya Gonzalez
Mexico	El Colegio de Michoacán	Ana Coria
Mexico	Universidad de Guadalajara	Arturo Curiel
Mexico	Universidad Nacional Autonoma de Mexico. Programa Universitario de Estudios Interdisciplinarios del Suelos. PUEIS UNAM	Blanca Prado Pano
Mexico	Uuniversidad Autonoma De Coahuila	Cristobal N. Aguilar
Mexico	CIIDIR IPN Unidad Michoacán	Dioselina Álvarez Bernal
Mexico	Universidad Autónoma de Coahuila	Iñaky Laredo
Mexico	Colegio de Postgraduados	Jorge D. Etchevers
Mexico	Universidad Autónoma de Chiapas	José Manuel Cena Velázquez
Mexico	Universidad Autónoma de Puebla	José Víctor Tamariz Flores
Mexico	Universidad Autónoma de Puebls	Josr Tamatix
Mexico	IUSS and UNAM	Laura Bertha Reyes Sánchez
Mexico	Tecnologico Nacional de Mexico	Lenin Medina-Orozco
Mexico	UNAM Instituto de Geologia	Lucy Mora Palomino
Mexico	Facultad De Ciencias Biológicas y Agropecuarias-Universidad Veracruzana	María Alva Angel Lara
Mexico	Non-affiliated participant	Mario Guevara
Mexico	Manejo Regenerativo de Ranchos, A.C.	Pedro Lombana
Mexico	Instututo Nacional de Investigaciones Forestales, Agrícolas y Pecuarias	Rosa Martinez
Mexico	Universidad de Ciencias y Artes de Chiapas	Silvia Ramos Hernández
Mongolia	IPAS, MULS	Bazarradnaa Enkhtuya

Mongolia	Mongolion University of Life Sciences	Ganbat Battsetseg
Mongolia	National University of Mongolia	Nyamdavaa Batsaikhan
Morocco	UM6P	Fassil Kebede
Morocco	OCP	Jihane Ajijti
Morocco	OCP	Leonardus Vergutz
Morocco	OCP	Abdelmonim Elkanit
Morocco	INRA	Rachid Aboutayeb
Morocco	ICARD/A INRA	Rachid Moussadek
Morocco	UM6P	Laila Tajeddine
Myanmar	DOA	Myint Myint Tun
Namibia	Ministry of Agriculture, Water and Land Reform	Ella Shiningayamwe
Namibia	Ministry of Agriculture, Water and Land Reform	Josephath Kutuahupira
Nepal	Tribhuvan University	Ram Kailash Yadav
Nepal	National Soil Science Research Centre	Shree Prasad Vista
Nepal	Land Our Future	Sunil Manandhar
Nepal	Rural Area Development Programme (RADP)	Yub Raj Malla
Netherlands (Kingdom of the)	Non-affiliated participant	Claudia De Lima E Silva
Netherlands (Kingdom of the)	INSAS	Kate Negacz
Netherlands (Kingdom of the)	Vrije Universiteit Amsterdam	Pim Van Tongeren
Niger	INRAN	Saidou Addam Kiari
Niger	Université Abdou Moumouni, Attaché de Recherche en Sciences du Sol et Nutrition des Plantes	Dr. Moustapha Maman Mounirou
Nigeria	Federal University of Agriculture, Abeokuta	Festus Adelana
Nigeria	Federal University Dutse	Suleiman Usman
Nigeria	Nigeria Institute of Soil Science	Victor Chude
Nigeria	Institute of Agricultural Research and Training	Vincent Aduramigba
No	Non-affiliated participant	Debra Stewart
North Macedonia	SWG RRD	Darko Konjevic
North Macedonia	University "Ss Cyril and Methodius" - Insitute of Agriculture	Dushko Mukaetov
North Macedonia	Non-affiliated participant	Sandra Dimkovska
North Macedonia	Non-affiliated participant	Viktor Cicimov

Oman	Ministry of Agriculture and Fisheries Wealth and Water Resources	Hamed Al Dhuhli
Pakistan	GDC Totakan	Asghar Khan
Pakistan	Fauji Fertilizer Company Limited	Muhammad Abbas Aziz
Pakistan	Department of Geography, Lahore College for Women University	Sahar Zia
Pakistan	The Seed Place	Syed Ali Abbas
Pakistan	University of Agriculture, Faisalabad	Zahir Ahmad Zahir
Pakistan	MNSUAM	Muhammad Zeeshan Gulzar
Pakistan	University of Karachi	Nusrat Yaqoob
Palestine	MOA	Imad Ghanma
Panama	IDIAP	Jose Villarreal
Peru	National University of Tumbes	Bertha Cecilia Garcia Cienfuegos
Peru	Universidad Nacional Agraria La Molina	Juan Antonio Guerrero Barrantes
Peru	UNALM	Julio Alegre
Peru	Dirección General de Asuntos Ambientales Agrarios - Ministerio de Desarrollo Agrario y Riego	Rafael Balta
Peru	Instituto de Biologia de Suelo	Silvia Aguero
Peru	Universidad Nacional del Centro del Perú	Giuliana Shelly Lizana Flores
Peru	Horizonte Corporativo	Tirco Rojas
Philippines	Mag-uugmad (Tillers of Land) Foundation, Inc.	Arturo Barrit
Philippines	DA-BSWM	Aurora Manalang
Philippines	Bureau of Soils and Water Management, Department of Agriculture	Bertolio Arellano
Philippines	Central Luzon State University	Jayson Villamor
Philippines	CRL Environmental Corporation	Maria Carmela Capule
Philippines	DA-BSWM	Marjorie Arriola
Philippines	BSWM	Warren Del Rosario
Poland	IUNG	Bożena Smreczak
Poland	Non-affiliated participant	Dorota Buzon
Poland	Institute of Soil Science and Plant Cultivation - State Research Institute	Grzegorz Siebielec
Portugal	INIAV	Adélia Varela
Portugal	CIIMAR-UP	Anabela Cachada
Portugal	SPCS	Antonio Perdigao
Portugal	Non-affiliated participant	Joana Ribeiro

Portugal	National Diretorate of Agriculture and Rural Development	Maria Centeno
Portugal	Food4Sustainability	Nuno Serra
Republic Of Korea	Rural Development Administration	Min-Kyeong Kim
Republic of Korea	Non-affiliated participant	Yujie Ma
Republic Of Moldova	IPAPS N. Dimo	Alexander Muntean
Republic of Moldova	Insitute of Pedology, Agrochemistry and Soil Protection "Nicolae Dimo"	Iurii Rozloga
Republic of Moldova	Dimov Institute	Rodica Sîrbu
Republic of Moldova	Institute of Microbiology and Biotechnology, UTM	Serghei Corcimaru
Republic of Moldova	Institut of Soil Science, Agrochemistry and Soil Protection N. Dimo	Tamara Leah
Romania	Geological Institute of Romania	Iustina Boaja
Romania	National Research and Development Institute for Soil Science, Agrochemistry and Environment	Mihail Dumitru
Romania	Geological Institute of Romania	Violeta-Monica Radu
Russian Federation	A.N. Severtsov Institute of Ecology and Evolution	Anna Kontoboytseva
Russian Federation	Non-affiliated participant	Ekaterina Fomina
Russian Federation	Institute of Biology	Elena Shamrikova
Russian Federation	Central Soil Museum by V.V. Dokuchaev	Elena Sukhacheva
Russian Federation	V.V. Dokuchaev Soil Science Institute	Igor Danilin
Russian Federation	Lomonosov Moscow State University	Ivan Mikheev
Russian Federation	Non-affiliated participant	Liudmila Orlova
Russian Federation	Forest Research Institute of Karelian Research Centre Russian Academy of Sciences	Maria Medvedeva
Russian Federation	M.V. Lomonosov Moscow State University, Soil Science Department	Oleg Golozubov
Russian Federation	Lomonosov Moscow State University	Pavel Krasilnikov
Russian Federation	Non-affiliated participant	Poroshina Natalya
Russian Federation	People's Friendship University of Russia Named After Patrice Lumumba	Yulia Sotnikova
Russian Federation	Central Soil Museum by V.V. Dokuchaeva	Yulya Morgach

Rwanda	Rwanda Standards Board (RSB)	Uwimana Clement
Saint Lucia	Ministry of Agriculture	Kwesi Goddard
Sao Tome and Principe	CIAT-STP	Antónia Neto
Senegal	FENAB	Ibrahima Seck
Senegal	Cheikh Anta Diop University of Dakar/Senegal	Jean Henri Bienvenue Sène
Senegal	Institut National de Pédologie	Macoumba Loum
Senegal	institut national de pédologie	Pape Gora Kane
Senegal	Universite Assane Seck Ziguinchor	Sire Diedhiou
Serbia	Ministry of Environmental Protection	Marija Dragovic
Serbia	Ministry of Environmental Protection	Sanja Djordjevic
Sierra Leone	Ministry of Agriculture and Food Security	Abdul Rahman Kamara
Slovenia	Ministry of Agriculture, Forestry and Food	Petra Božič
Somalia	AGRILAB-SOM	Khalid Omar Ali
Somalia	Somali Agricultural and Livestock Institute Development	Abdirahman Ibrahim Mohamed
South Africa	Independent Consultant	Liesl Wiese-Rozanov
South Africa	ARC-ISCW	Matshwene E. Moshia Iii
South Africa	Department of Agriculture Land Reform and Rural Development	Ramakgwale Mampholo
South Africa	Lablink Africa	Wesley Feldmann
Spain	Universitat de Barcelona	Amparo Cortés
Spain	Non-affiliated participant	Carlos Otero
Spain	Ministerio para la Transición Ecológica y el Reto Demográfico	Daniel Roures Rego
Spain	GSP-INSAS	Jorge Batlle-Sales
Spain	WASWAC	Jose L. Rubio
Spain	Spanish Ministry for the Ecological Transition	María Amparo Sánchez Guisández
Spain	CEBAS-CSIC	Maria Sanchez-Garcia
Spain	Non-affiliated participant	Natalia Reug
Spain	Azolla Projects	Orson Acosta Romero De Tejada
Spain	Triptolemos Foundation	Yvonne Colomer
Sri Lanka	Wayamba University of Sri Lanka	Wajira Balasooriya
Sudan	Agricultural Research Corporation	Nuha Khamis
Sweden	Swedish University of Agricultural Sciences	Erik Karltun
Switzerland	FOEN	Elena Havlicek

Switzerland	Federal Office for the Environment-FOEN	Elena Havlicek
Syrian Arab Republic	GCSAR	Manhal Alzoubi
Thailand	Kasetsart University	Aunthicha Phommuangkhuk
Thailand	Office of Science for Land Development, Land Development Department	Chanida Charanworapan
Thailand	Non-affiliated participant	Juthamard Kaiphoem
Thailand	Land Development Department.	Onanong Chomsiri
Thailand	Land Development Department	Prapaipit Srimawong
Togo	WASACAL UNU-EHS	Bass Rou Hassane
Togo	Université de Lomé	Gbénonchi Mawussi
Togo	ITRA	Germaine Hiabuade
Trinidad And Tobago	The University of the West Indies	Gaius Eudoxie
Trinidad And Tobago	Ministry of Agriculture Land and Fisheries	Gabrielle De Souza
Tunisia	Ministry of Agriculture	Attia Rafla
Tunisia	DGACTA	Leila Ben Dhiab
Türkiye	Isparta University of Applied Sciences	Abdinasir Abdullahi Mohamed
Türkiye	Isparta University of Applied Sciences	Fuat Kaya
Türkiye	Non-affiliated participant	Mine Serdaroğlu
Türkiye	Ondokuz Mayıs University Samsun	Muhammad Danish Toor
Türkiye	Ministry of Agriculture and Forestry, General Directorate of Agricultural Research and Policies (TAGEM)	Sevinc Madenoglu
Türkiye	ScienceCoop	Zehra Doruk
Uganda	Advocacy Coalition for Sustaianble Agriculture - ACSA	Harriet Nakasi
Uganda	Ministry of Agriculture, Animal Industry and Fisheries (MAAIF)	Kabango Freddie
Uganda	Non-affiliated participant	Zake Joshua
Ukraine	National Scientific Center «Institute for Soil Science and Agrochemistry Research Named After O.N. Sokolovsky» (NSC ISSAR)	Arkadiy Levin
Ukraine	National Scientific Center «Institute for Soil Science and Agrochemistry Research named after O.N. Sokolovsky» (NSC ISSAR)	Sviatoslav Baliuk
Ukraine	NSC ISSAR	Vitalii Lebed
Ukraine	Non-affiliated participant	Yuriy Dmytruk

United Kingdom of Great Britain and Northern Ireland	James Hutton Institute	Allan Lilly
United Kingdom of Great Britain and Northern Ireland	GSP	Andy Murray
United Kingdom of Great Britain and Northern Ireland	Conscious Planet	Avanti Pethe
United Kingdom of Great Britain and Northern Ireland	CISDL	Cairo Robb
United Kingdom of Great Britain and Northern Ireland	Royal Agricultural University	David O'Connor
United Kingdom of Great Britain and Northern Ireland	Royal Agricultural University	Felicity Crotty
United Kingdom of Great Britain and Northern Ireland	CEO	Iain Copping
United Kingdom of Great Britain and Northern Ireland	Cranfield University	Jacqueline Hannam
United Kingdom of Great Britain and Northern Ireland	Environmental Investigation Agency (EIA)	Lauren Weir
United Kingdom of Great Britain and Northern Ireland	University of Aberdeen / ITPS	Pete Smith
United Kingdom of Great Britain and Northern Ireland	British Society of Soil Science	Sarah Garry
United Kingdom of Great Britain and Northern Ireland	Cropnuts	Thomas Terhoeven- Urselmans
United Kingdom of Great Britain and Northern Ireland	Think-Film Impact Production	Yik Kei Leung
<b>United States of America</b>	Planetary Health Project	James Boyd Fuller
United States of America	Natural Resources Defense Council	Lara Bryant
United States of America	ONG	Lily Rodas
<b>United States of America</b>	Haiti Cholera Research Funding Foundation Inc USA HCRFF	Part-Usa-Pierrette J Cazeau
United States of America	Persistence Data Mining, Inc.	Penelope Nagel
United States of America	Haiti Cholera Research Funding Foundation Inc USA HCRFF	Pierrette J Cazeau
<b>United States of America</b>	Conservation International	Susan M
Uruguay	Facultad de Ciencias, IECA	Adriana Montanez
Uruguay	INIA	Irene Purtscher
Uzbekistan	Non-affiliated participant	Shovkat Kholdorov
Venezuela (Bolivarian Republic of)	Universidad Central de Venezuela	Jose Berroteran
Venezuela (Bolivarian Republic of)	Inia Pequiven Hay	Juan Comerma

Venezuela (Bolivarian Republic of)	Laboratorio de Ecología de Agroecosistemas. Universidad central de Venezuela	Luisa Villalba
Venezuela (Bolivarian Republic of)	Laboratorios Estrella SA	Nora Esther De Paz Donado
Yemen	Renewable Natural Resources Research Center in the Agricultural Research and Extension Authority	Mohammed Hezam Al- Mashreki
Zambia	Worldwide Fund for Nature (WWF) Zambia Country Office	Gershom Pule
Zambia	University of Zambia	Gideon Musukwa
Zambia	Zambia Agriculture Research Institute	Stalin Sichinga
Zimbabwe	ZSRI	Washington Mutatu
FAO		Anna Stolyarskaya
FAO		Ariella Glinni
FAO		Assia Rosati
FAO		Athira Aji
FAO		Aylin Çelik
FAO		Binod Saha
FAO		Don Syme
FAO		He Li
FAO		Jiaoqun Shi
FAO		Jinbiao Wang
FAO		Juan Rey
FAO		Levy Bouassa
FAO		Louis Gagnon
FAO		Lucrezia Caon
FAO		Michèle Piraux
FAO		Molefi Mpheshea
FAO		Nadia Laouini
FAO		Qingqing Lyu
FAO		Tania Abdirizzak
FAO	GSP Secretariat	Carolina Olivera Sanchez
FAO	GSP Secretariat	Filippo Benedetti
FAO	GSP Secretariat	Giacomo Rocchegiani
FAO	GSP Secretariat	Giusy Emiliano
FAO	GSP Secretariat	Isabel Luotto
FAO	GSP Secretariat	Isabelle Verbeke
FAO	GSP Secretariat	Janet Nabwami
FAO	GSP Secretariat	John Jacob Parnell
FAO	GSP Secretariat	Lifeng Li
FAO	GSP Secretariat	Luis Rodriguez

FAO	GSP Secretariat	Marcos Angelini
FAO	GSP Secretariat	Margherita Furenti
FAO	GSP Secretariat	Maria Chiara Humura
FAO	GSP Secretariat	Maria Cruz Ferro
FAO	GSP Secretariat	Maria Konyushkova
FAO	GSP Secretariat	Matteo Sala
FAO	GSP Secretariat	Natalia Rodriguez Eugenio
FAO	GSP Secretariat	Nathalie Bjørneby
FAO	GSP Secretariat	Ronald Vargas
FAO	GSP Secretariat	Segejus Ustinov
FAO	GSP Secretariat	Vinisa Santillan Saynes
FAO	GSP Secretariat	Yusuf Yigini
FAO	GSP Secretariat	Yuxin Tong