Ministry of Agriculture, Forestry and Water Management

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

Agricultural Policy Forum 2023

Towards Climate Adaptation Partnership in Southeast Europe

Regionl Soil Partnership

Mirko Knezevic, PhD, Biotechnical Faculty, University of Montenegro

24 - 26 October 2023
Podgorica, Montenegro

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

24th – 26th OCTOBER
Agricultural 2023 Policy Forum
Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

Agenda

- Regional Soil Partnership
- Meetings of the Regional Expert Advisory Working Group on Soil within the SEDRA II Project
- Soil and land data in WB
- Findings and next steps for Regional Progress
- Conclusion

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Regional Soil Partnership

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

- Limited economic resources drive focus on practical, short-term soil objectives.
- Priority: Changing perception of soil's significance in environmental conservation and climate change.
- Involvement of diverse stakeholders in promoting the concept of healthy soil.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Regional Soil Partnership

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

Short-Term Activities:	Long-Term Activities:	Focus
• Forum Establishment • Research Center • Data Sharing • Promotion of Solutions • Standardization • Collaborative Field Work • Lab Procedures • Identifying Threats • Assessment Framework • Best Practices • Regional Engagement • Regional Collaboration	• GIS-Based System • Monitoring Network • Harmonization • Soil Atlas • Soil Museum • Data Harmonization • Capacity Building • Technical Support • Increased Analysis • Agricultural Reionization • Quality Control	• Harmonization • Data Enhancement • Awareness Raising • Data Sharing Platform

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Meetings of the Regional Expert Advisory Working Group on Soil

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

Kick-Off Meeting of the Regional Expert Advisory Working Group (REAWG) on Soli Management, 8-10 November 2021, Andrevlje, Serbia

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

24th – 26th OCTOBER
Agricultural 2023 Policy Forum
Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

- Western Balkans region actively enhancing sustainable soil management practices.
- Alignment with EU Strategies
- Focus on environmental sustainability, climate resilience, and modernized agriculture.
- Role of Regional Soil Partnership
- Links4Soils project exemplifies significance of collaboration for soil protection.
- Emphasis on raising awareness and digitalizing soil data for long-term protection.
- Prioritize soil protection, policy integration, and sustainable agriculture.
- Emphasizes regional cooperation for a resilient, carbon-neutral, and eco-friendly agriculture.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Meetings of the Regional Expert Advisory Working Group on Soil

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

The First Interim Meeting of the Regional Expert Advisory Working Group on Soil within the SEDRA II Project – 14-16 March 2022, Bar, Montenegro

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

24th – 26th OCTOBER
Agricultural 2023 Policy Forum
Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

- Countries presenting unique soil management approaches and challenges.
- Collective dedication to sustainable soil practices.
- Soil degradation with reduced productivity, urbanization encroachment and soil sealing, biodiversity protection and addressing soil threats.
- Focus on organic matter through innovative solutions.
- Valuable contributions on soil protection regulations and renewable energy-focused waste recycling.
- Highlights the importance of harmonization, data quality, and awareness about soil threats.
- Shared recognition of the need for adaptation measures and technological advancements.
- Steps towards establishment with a focus on networking, funding, and collaboration.
- Commitment to address soil challenges for a sustainable agricultural future.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Meetings of the Regional Expert Advisory Working Group on Soil

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

The Second Interim Meeting of the Regional Expert Advisory Working Group on Soil within the SEDRA II Project – 01-03 June 2022, Krusevo, North Macedonia

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

- Countries stressed the need for improved soil quality and conservation, emphasizing cross-sectoral networking and data exchange.
- Recognizing EU developments, attendees emphasized the importance of aligning with EU soil standards and enhancing soil information systems.
- Proposed solutions included updated legislation, Agro-Ecological Zoning, and digital agricultural monitoring to combat soil degradation.
- Soil protection law aligned with EU standards, inter-institutional cooperation, and public awareness.
- A general assessment highlighted the need for updated data, standardized exchange formats, and the threats to soil health, such as land use changes, erosion, and organic carbon loss.
- The meeting showcased the collective commitment to sustainable land and soil management in the Western Balkans.

Ministry of Agriculture, Forestry and Water Management

Meetings of the Regional Expert Advisory Working Group on Soil

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

The Third Interim Meeting of the Regional Expert Advisory Working Group on Soil within the SEDRA II Project – 02-05 October 2022, Durres, Albania

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

24th – 26th OCTOBER
Agricultural 2023 Policy Forum
Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

- SWG RRD's activities related to the Green Agenda.
- Securing funding for the Regional Soil Partnership.
- Presentation of findings from the Analysis of Gaps and Recommendations.
- Discussion on the draft MoU for Soil Partnership.
- Urgent need for more soil data.
- Severe threats from land use change, erosion, and organic carbon loss.
- Alignment of strategic goals with the EU Soil Strategy for 2030.
- Addressing low awareness about soil practices.
- Suggestions for projects, legislation alignment, and identifying contaminated sites.
- Expert expectations
- Insights from Agro-Illiria Farm in Lushnje, Karavasta region.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Meetings of the Regional Expert Advisory Working Group on Soil

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

Exposure visit: REAWG on Soil, Germany 27th November – 2nd December

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

24th – 26th OCTOBER
Agricultural 2023 Policy Forum
Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

- Comprising 17 members from the REAWG on Soil.
- Familiarization with the German model for soil protection, monitoring, and related aspects.
- Organizational structures, scientific approaches to soil management, and future planning.
- Managed by GFA, acting as the general agent for BMEL, with oversight by SWG.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Meetings of the Regional Expert Advisory Working Group on Soil

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

The Fourth Interim Meeting of the Regional Expert Advisory Working Group on Soil Partnership within the SEDRA II Project was organized in a period 29–31 March 2023 in Ohrid, North Macedonia

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

24th – 26th OCTOBER
Agricultural 2023 Policy Forum
Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

- Advancing the formation of the Soil Partnership across the Western Balkans.
- Collective recognition of soil management's importance for regional sustainability.
- Climate change impacts, soil erosion, reduced organic matter, and the need for soil data.
- Prioritize comprehensive soil data systems, raise awareness, and focus on capacity building for all stakeholders.
- Trusted source of knowledge, aligning with European soil policies, and enhancing soil governance.
- Discussions on soil contamination, policy alignment, and comprehensive soil management strategy.
- FAO, BonaRes, and UNCCD highlighted the importance of sustainable soil management.
- A significant step toward establishing a well-structured and informed Soil Partnership for resilient agriculture in the Western Balkans.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Meetings of the Regional Expert Advisory Working Group on Soil

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

The Fifth Interim Meeting of the Regional Expert Advisory Working Group on Soil Partnership within the SEDRA II Project was organized in a period 07–09 June 2023 in Banja Koviljača, Serbia

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

24th – 26th OCTOBER
Agricultural 2023 Policy Forum
Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

- Progress and tasks for the Soil Partnership in the Western Balkans, including the submission of a Memorandum of Understanding.
- Activities focused on creating a harmonized regional soil dataset, integrating national soil classifications with the WRB system.
- Insights on using secondary raw materials within a regional circular economy to enhance soil fertility.
- A representative detailed the process of developing a regional soil information system.
- National experts presented available graphical and numerical soil datasets and discussed their accessibility.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

PUBLICATIONS

24th – 26th OCTOBER
Agricultural 2023 Policy Forum
Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

german cooperation
DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP
General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Land use and Land Cover in WB

24th – 26th OCTOBER Agricultural 2023 Policy Forum
Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

	1 - Artificial surfaces		2 - Agricultural areas		3 - Forest and semi natural areas		4 - Wetlands		5 - Water bodies		Total
	km²	%	km²	%	km²	%	km²	%	km²	%	km²
Total	**5,925**	**2.8525**	**83,182**	**40.0457**	**115,293**	**55.5049**	**609**	**0.2932**	**2,708**	**1.3037**	**207,717**
Albania	842	2.9237	7,985	27.7337	19,173	66.592	117	0.4062	675	2.3443	28,792
Bosnia and Herzegovina	890	1.7373	16,964	33.1222	32,965	64.3649	53	0.1033	344	0.6725	51,215
Kosovo*	517	4.7415	4,157	38.1156	6,208	56.9171	1	0.0117	23	0.2141	10,907
Montenegro	272	1.9607	2,231	16.0688	10,991	79.1688	125	0.8983	264	1.9035	13,882
North Macedonia	467	1.837	9,129	35.8906	15,278	60.0654	21	0.0836	540	2.1234	25,435
Serbia	2,937	3.7904	42,716	55.1285	30,679	39.5931	292	0.3768	861	1.1112	77,484

*This designation is without prejudice to positions on the status and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo declaration of independence.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Soil and land data in WB

24th – 26th OCTOBER Agricultural 2023 Policy Forum
Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

	ALB		BIH FBIH		BIH RS		KOS*		MNE		MKD		SRB	
	Hard copy	GIS	Hard copy	GIS	Hard copy	GIS	Hard copy	GIS	Hard copy	GIS	Hard copy	GIS	Hard copy	GIS
Soil maps		✓	✓	✓		✓		✓	✓	✓		✓	✓	✓
Land use		✓		✓		✓		✓		✓		✓		✓
Land cover		✓		✓		✓		✓		✓		✓		✓
Soil physical properties	✓			✓	✓	✓		✓	✓	✓		✓		✓
Soil chemical properties		✓		✓		✓		✓	✓	✓	✓	✓		✓
Erosion	✓		ND			✓		✓	✓	✓		✓	✓	
Soil organic carbon loss		✓	ND			✓		✓		✓		✓		✓
Compaction	ND		ND		ND		ND		ND		ND		ND	
Contamination	✓			✓	✓	✓	✓		✓		✓			✓
Soil sealing	✓		ND		ND		ND		ND			✓		✓
Salinization	✓		ND		ND		NR		ND			✓	✓	✓
Acidification		✓		✓	✓	✓	✓	✓		✓	ND		✓	✓
Soil biodiversity	ND		ND		ND		ND		ND		ND		✓	
Drought	ND		ND		✓		ND			✓		✓		✓
Floods	✓		✓		✓		✓	✓	✓			✓	✓	✓
Desertification	✓		ND		✓		ND		✓			✓	ND	

ND - No data,
NR – Not relevant

*This designation is without prejudice to positions on the status and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo declaration of independence.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

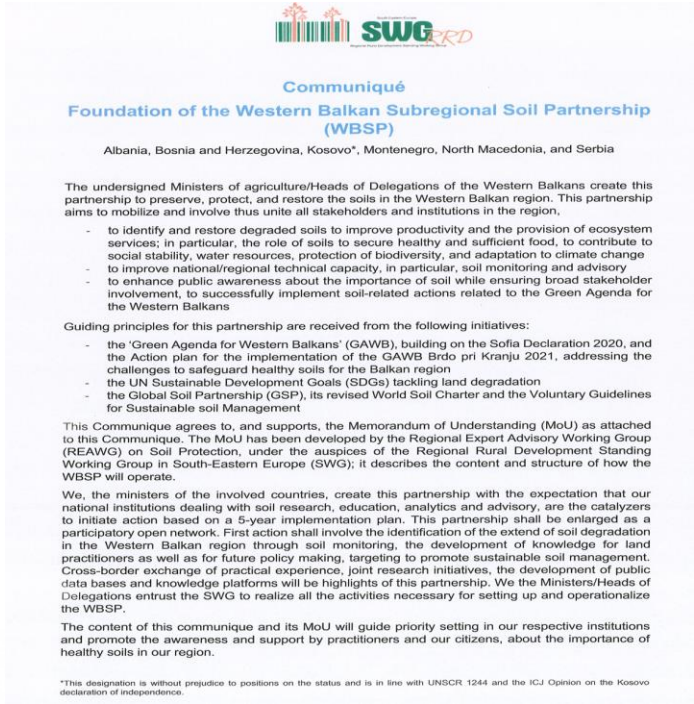
Ministry of Agriculture, Forestry and Water Management

WESTERN BALKAN SOIL PARTNERSHIP

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

Signed Communique/MoU for the establishment of the WBSP during the Ministerial meeting in Montenegro



SWG RRD

Communiqué

Foundation of the Western Balkan Subregional Soil Partnership (WBSP)

Albania, Bosnia and Herzegovina, Kosovo*, Montenegro, North Macedonia, and Serbia

The undersigned Ministers of agriculture/Heads of Delegations of the Western Balkans create this partnership to preserve, protect, and restore the soils in the Western Balkan region. This partnership aims to mobilize and involve thus unite all stakeholders and institutions in the region,

- to identify and restore degraded soils to improve productivity and the provision of ecosystem services; in particular, the role of soils to secure healthy and sufficient food, to contribute to social stability, water resources, protection of biodiversity, and adaptation to climate change
- to improve national/regional technical capacity, in particular, soil monitoring and advisory
- to enhance public awareness about the importance of soil while ensuring broad stakeholder involvement, to successfully implement soil-related actions related to the Green Agenda for the Western Balkans

Guiding principles for this partnership are received from the following initiatives:

- the 'Green Agenda for Western Balkans' (GAWB), building on the Sofia Declaration 2020, and the Action plan for the implementation of the GAWB Brdo pri Kranju 2021, addressing the challenges to safeguard healthy soils for the Balkan region
- the UN Sustainable Development Goals (SDGs) tackling land degradation
- the Global Soil Partnership (GSP), its revised World Soil Charter and the Voluntary Guidelines for Sustainable soil Management

This Communique agrees to, and supports, the Memorandum of Understanding (MoU) as attached to this Communique. The MoU has been developed by the Regional Expert Advisory Working Group (REAWG) on Soil Protection, under the auspices of the Regional Rural Development Standing Working Group in South-Eastern Europe (SWG); it describes the content and structure of how the WBSP will operate.

We, the ministers of the involved countries, create this partnership with the expectation that our national institutions dealing with soil research, education, analytics and advisory, are the catalyzers to initiate action based on a 5-year implementation plan. This partnership shall be enlarged as a participatory open network. First action shall involve the identification of the extend of soil degradation in the Western Balkan region through soil monitoring, the development of knowledge for land practitioners as well as for future policy making, targeting to promote sustainable soil management. Cross-border exchange of practical experience, joint research initiatives, the development of public data bases and knowledge platforms will be highlights of this partnership. We the Ministers/Heads of Delegations entrust the SWG to realize all the activities necessary for setting up and operationalize the WBSP.

The content of this communique and its MoU will guide priority setting in our respective institutions and promote the awareness and support by practitioners and our citizens, about the importance of healthy soils in our region.

*This designation is without prejudice to positions on the status and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo declaration of independence.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Findings and next steps for Regional Progress

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

Albania:

- Improve the soil information system.
- Raise awareness about EU-level soil developments.
- Conduct thorough soil degradation studies.
- Encourage data sharing.
- Enhance soil management capacities.

Bosnia and Herzegovina:

- Align legal frameworks with EU land protection legislation.
- Develop strategic documents.
- Initiate procedures for the Law on Land Protection.
- Establish efficient data exchange protocols.
- Provide extensive training for government personnel.
- Halt land degradation and promote soil fertility.
- Balance the carbon cycle in soil.
- Increase awareness about soil's importance.

Kosovo*:

- Implement national-level land monitoring.
- Apply Integrated Agricultural Land Management.
- Mandate Agro-Ecological Zoning.
- Create State and Regional Soil Museums.
- Develop a regional soil monitoring system.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Findings and next steps for Regional Progress

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

Montenegro:

- Establish a regional center for geostatistics and modeling.
- Harmonize soil monitoring methodologies.
- Create a Regional Soil Platform.
- Improve legal and strategic frameworks.
- Build capacity and raise awareness for climate-responsive planning.
- Support agro-environmental measures.

North Macedonia:

- Develop and adopt soil-related legal frameworks and documents.
- Strengthen administrative capacities.
- Establish inter-institutional arrangements.
- Enhance educational and research programs.

Serbia:

- Increase soil analyses and monitoring, particularly Soil Organic Carbon.
- Promote cross-sectoral networking.
- Raise awareness of land importance.
- Revise the Rulebook for agricultural land measures.
- Focus on afforestation and land protection.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Findings and next steps for Regional Progress

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

Findings	Recommendations
• Inadequate Soil Data • Soil Health Threats • Underemphasized Soil Policy • Alignment with EU Strategy • Low Awareness • Capacity Building • Chemical and Waste Challenges • Benefits of Soil Management	• Resource Allocation • Threat Mitigation • Policy Emphasis • Alignment with EU Strategy • Awareness Raising • Capacity Building • Regulatory Frameworks • Communication of Benefits

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

Conclusion

24th – 26th OCTOBER Agricultural 2023 Policy Forum Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

- Collective dedication and shared commitment.
- Soil management's vital role in regional sustainability.
- Alignment with EU and global environmental priorities.

Future Focus:

- Raising awareness and enhancing data quality.
- Building a resilient, carbon-neutral, and eco-friendly agricultural sector.
- Prioritizing soil protection, policy integration, and sustainable practices.
- Collective effort for vital soil resource preservation and a sustainable agricultural future.

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations

Ministry of Agriculture, Forestry and Water Management

24th – 26th OCTOBER
Agricultural 2023 Policy Forum
Podgorica, Montenegro

South Eastern Europe SWG RRD Regional Rural Development Standing Working Group

"The nation that destroys its soil, destroys itself." - Franklin Delano Roosevelt, 32nd President of The United States of America

Thank you

german cooperation DEUTSCHE ZUSAMMENARBEIT

giz

GFA CONSULTING GROUP General Agent BMEL Berlin Office

Food and Agriculture Organization of the United Nations