



# Conference schedule

## THE 6<sup>TH</sup> W A S W A C World Conference

September 15-17, 2025 | Rabat, Morocco



### Resilient Landscapes,

Innovations and Traditions in Climate-Adaptive  
Soil and Water Conservation | **RISE-SWC**

With the sponsorship of:



and the collaboration of:



SESSION	Room A	Room B	Room C	Room D
Plenary	<p><b>09:00-09:30</b> <b>Opening Ceremony</b>  <b>Welcome speeches:</b> Ministry of Agriculture, China Ambassador, FAO, ICARDA, WASWAC, OCP Nutricrops  <b>Moderator:</b> Prof. Ghaouti Lamiae-INRA DG</p> <p><b>09:30-10:30</b> <b>Strategic Panel:</b> Climate Change and Soil-Water Security. Prof. Duihu Ning-WASWAC, Prof. Ghaouti Lamiae-INRA, Dr Nangia vinay-ICARDA, Prof. Leonardus Vergütz-OCP N), (Prof. Daniel Nahon-UM6P, Dr Kaushik Majumdar-APNI.  <b>Moderator:</b> Dr Rachid Moussadek</p>			
	<b>10:30-11:00</b> <b>Coffee Break</b>			
Parallel Sessions	<p><b>11:00-12:30</b> <b>Integrated Water and Land Resource Management: Challenges and Opportunities for Climate Change Adaptation and Resilience (S-LWL)</b>  <b>Chair of session:</b> Dr Vinay Nangia  <b>Reporting:</b> Dr Abdelmalek Zirari  <b>Key note: S-LWL-1</b> Dr Duihu Ning, <b>Title:</b> Global Joint Research Projects that Can be Carried out in the Field of Soil and Water Conservation by WASWAC  <b>Participants list:</b>  <b>S-LWL-5</b> Dr Majda Ouled Lhaj, <b>Title:</b> compost-Based Soil Fertility Management and Monitoring under Greenhouse Cultivation for Climate-Resilient Agriculture in Semi-Arid Morocco  <b>S-LWL-6</b> Dr Youssef El Hammoui, <b>Title:</b> Assessing the groundwater quality in the Khenifra Province, Morocco  <b>S-LWL-7</b> Dr Said Meftah, <b>Title:</b> Optimizing conditions for the removal of OM from water by a cork oak shell derivative.  <b>S-LWL-9</b> Dr Chunmei Wang, <b>Title:</b> Exploring Soil Erosion Dynamics and Adaptive Conservation Strategies in Response to Extreme Rainfall: Insights from Nine Field Investigations Across Diverse Erosion-Prone Regions</p>	<p><b>The impact of climate change on soils and coping strategies(S-ICC)</b>  <b>Chair of session:</b> Prof. Bouabid Rachid  <b>Reporting:</b> Dr Zouahri Abdelmajid  <b>Key note: S-ICC 1k</b> Prof. Dennis C. Flanagan, <b>Title:</b> Process-based Soil Erosion Prediction Technologies for Soil Conservation Planning  <b>Participants list:</b>  <b>S-ICC 1</b> Dr Jinxing Zhou, <b>Title:</b> Adaptation of Karst Vegetation to Increasing Drought Stress in a Changing Climate  <b>S-ICC 5</b> Dr El Mouridi Zineb, <b>Title:</b> Soil Health Assessment in a Semi-Arid Area of Morocco  <b>S-ICC 6</b> Dr Roghayeh Jahdi, <b>Title:</b> Modelling wildfire hazard at landscape scale from climate change scenarios  <b>S-ICC 7</b> Dr Baoyang SUN, <b>Title:</b> The effect of freeze-thaw on soil erosion resistance of Alpine Grasslands in the source region of the Changjiang river  <b>S-ICC 8</b> Dr Pengfei Du, <b>Title:</b> Terrace Destruction in Typical Watershed of the Loess Plateau Under Heavy Rainfall  <b>S-ICC 9</b> Dr Haiyan Zheng, <b>Title:</b> The impact of erosion on the carbon cycle  <b>S-ICC 10</b> Dr Shi Qi, <b>Title:</b> Temporal and Spatial Variations in Rainfall Erosivity on Hainan Island and the Influence of the El Niño/ Southern Oscillation</p>	<p><b>Soil and Water Conservation through an Integrated Lens: Connecting Scientific Advances, Societal Needs, and Traditional Wisdom (S-SCSW)</b>  <b>Chair of session:</b> Dr Mohamed Chikhaoui  <b>Reporting:</b> Dr Hakim Boulal  <b>Key note S-SCSW-1</b> Dr Miodrag Zlatić, <b>Title:</b> Disaster Risk Reduction in Western Balkan  <b>Participants list:</b>  <b>S-SCSW-4</b> Dr Rim Tehraoui, <b>Title:</b> Enhancing contextual agroecological decision-making through Generative AI and Knowledge Graphs  <b>S-SCSW-5</b> Dr Bin Wang, <b>Title:</b> Coupling effects of freeze-thaw action and thawed soil depth on slope snowmelt erosion process driven by near-surface hydrologic conditions in the Chinese Mollisol region  <b>S-SCSW-6</b> Dr Enheng Wang, <b>Title:</b> From Soil Healing to System Thinking: Repositioning Sustainability through Nature's Logic  <b>S-SCSW-7</b> Dr Han Liu, <b>Title:</b> Exploration of the Value Realization Mechanism of Ecological Products in Soil and Water Conservation and Case Analysis</p>	<p><b>FAO Side event: Launch of International Network on Soil Erosion (INSER)</b></p> <p>  </p> <p><b>Chair:</b> Dr Rachid Moussadek, Member-Intergovernmental Technical Panel on Soils (ITPS/GSP)-Hybrid Format</p> <p><b>11:15 - 11:15</b> Opening remarks: Senior official from the Ministry of Agriculture of Morocco, Dr Lifeng Li-FAO Land and Water Director (video message)</p> <p><b>11:15 - 11:30</b> Setting the scene: The International Network on Soil Erosion (INSER), Ms. Thorunn Wolfram Petursdottir, Mr Yuxin Tong, FAO GSP Secretariat</p> <p><b>11:30 - 12:20</b> Panel: Main soil erosion initiatives and potential cooperation (WASWAC, JRC, ICARDA/INRA, IUSS, SWCS)  Discussion</p> <p><b>12:20-12:30</b> Closure: Mr Yuxin Tong, FAO GSP Secretariat, INSER</p>
	<b>12h30-13h00</b> <b>Launch of Poster Session</b>			
	<b>13:00-14:00</b> <b>Lunch Break</b>			

## SESSION

## Room A

## Room B

## Room C

## Room D

14:00-15:30

**Integrated Water and Land Resource Management: Challenges and Opportunities for Climate Change Adaptation and Resilience (S-LWL)**

**Chair of session:** Dr Thami Alami Imane

**Reporting:** Dr Aboutaib Rachid

**Key note:** S-LWL-2 Dr. Fenli ZHENG, *Title:* Effects of Mollie Layer Thinning on Soil Quality and Crop Production in the Chinese Mollisol Region

**Participants list:**

S-LWL-11 Dr. Haijing SHI, *Title:* Estimating the Soil Erosion Cover-Management Factor for the Non-agricultural Land (Cnon-crop) Using Google Earth Engine

S-LWL-12 Dr. Hongguang LIU, *Title:* Efficacy of sod culture with arbuscular mycorrhizal fungi on soil properties and fruit production in citrus orchard

S-LWL-13 Dr. Hongliang KANG, *Title:* Soil erosion characteristics of the agricultural terrace induced by heavy rainfalls on Chinese Loess Plateau: A case study

S-LWL-14 Dr. Hongming ZHANG, *Title:* soil erosion research, calculation of erosion slope length, identification of checks dams and terraces, etc.

S-LWL-15 Dr. Huifang LIU, *Title:* A discussion on the high quality development of soil and water conservation in the production and construction projects of the new era in China

S-LWL-16 Dr. Sen Zhao, *Title:* Comprehensive Control of Rocky Desertification in China improved Vegetation vitality and Its Implications for the Ecological Restoration of Road Areas"

**The impact of climate change on soils and coping strategies(S-ICC)**

**Chair of session:** Dr Pandi Zdruli

**Reporting:** Dr Iaach Hamza *Title:* Key note S-ICC 2 - Dr. Juying Jiao, *Title:* Soil Erosion Disasters During Rainstorm Events on the Loess Plateau"

**Participants list:**

S-ICC 11 - Dr. Suhua Fu, *Title:* Small watershed erosion model (SWEH)

S-ICC 12 - Dr. Xiaoying Liu, *Title:* On Runoff and Sediment Reduction Effect and Critical Threshold of Soil and Water Conservation in Sanchuan River Basin ""

S-ICC 13 - Dr. Xihua Yang, *Title:* Predicting soil erosion risk across New South Wales, Australia using NARCLiM 2.0 projections""

S-ICC 14 - Mohamed Amine El Mzouri, *Title:* Agroforestry based conservation agriculture a sustainable cropping alternative for the arid agropastoral zones of North Africa to better mitigate and adapt climate change

S-ICC 15 - Dr. Jingdong Wu, *Title:* Study on the Impact of Soil and Water Loss Caused by the 23.7 Extreme Rainstorm in Mentougou Area of Beijing

S-ICC 16 - Dr. Manuel La Licata, *Title :* Assessing spatial variability of sediment sources and delivery hotspots under seasonal and extreme rainfall scenarios in high-altitude Alpine catchments"

**Soil and Water Conservation through an Integrated Lens: Connecting Scientific Advances, Societal Needs, and Traditional Wisdom (S-SCSW)**

**Chair of session:** Prof. Ioannis Daliakopoulos

**Reporting:** Dr Dakak Houria

**Key note** S-MSWM-14 Dr. Mohammed Karrou, *Title:* Improved strategies of coping with water stress in wheat and ensuring food sovereignty in Morocco: Case of sustainable intensification of wheat production in the context of climate change in rainfed and irrigated areas"

**Participants list:**

S-SCSW-2 Dr. João L.M. Pedroso de Lima, *Title:* Detecting Sink Points Using Thermal Tracing in Shallow Flooded Areas

S-SCSW-8 Dr. Wenyu Li, *Title:* Strengthen water ecological protection and restoration - Promote harmonious coexistence between humans and water- Beijing Wenyuhe Park practice

S-SCSW-9 Majda Choukri, *Title:* Drought analysis using normalized difference vegetation index and land surface temperature over Morocco between 2001 and 2024

S-SCSW-10 Dr. Qi Liu, *Title:* Can biochar truly achieve negative emissions and better soil quality? - opportunities and potential in land use from a global perspective

S-SCSW-11 Dr. Yaxian Hu, *Title:* Using 3D elevation models to correct the uncertainties of CO2 emissions in complex terrains"

**APNI Special session**



**14:00 - 14:15** Official opening

**14:15 - 16:00** Session 1: New visions for sustainable soils in Africa

**Moderator:** Dr Mohamed El Gharous, AITTC UM6P"

**15:30-16:00 Coffee Break**

## SESSION

## Room A

## Room B

## Room C

## Room D

16:00-17:30

**Integrated Water and Land Resource Management: Challenges and Opportunities for Climate Change Adaptation and Resilience (S-LWL)****Chair of session:** Pr Cerdá Artemi**Reporting:** Dr Zhor Abail**Key note:** S-LWL-3 Dr. Mohammed Abubakar Mohammed, Title: "The Role of Agroforestry in Climate-Resilient Land and Soil Management: A Case Study of Nigeria's Ogbomoso Agroforestry Project, Nigeria"**Participants list:**

S-LWL-17 Dr. Wanlai Xue, Title: "Response of Water Quality to Land Use at Different Spatial Scales in the Baihe River Basin, Beijing"

S-LWL-18 Dr. Wei Zhao, Title: "An Analysis of Driving Factors on Water and Sediment Evolution"

S-LWL-19 Dr. Xiaoping Zhang, Title: "Using sampling method to investigate practical measures and achieve global soil erosion map"

S-LWL-20 Dr. Ximeng Xu, Title: "Quantification studies on ephemeral gully morphology"

S-LWL-21 Dr. Qunou Jiang, Title: "Exploring how multi-dimensional dust concentrations vary with shelterbelt system and spatial patterns of desert oasis area using WRF-Chem model"

S-LWL-22 Dr. Qiong Peng, Title: "Rates and geochemical processes of soil formation in Northeast Black Soil region"

**Strategic shifts in agricultural practices and technologies to address climate change (S-SACC)**

Chair of session: Dr Riad Balaghi Reporting: Dr Hallam Jamal

**Key note:** S-SACC2 Dr. Valentin Golosov, Title: "Soil erosion by water at the global and regional levels: how reliable are the estimates?"**Participants list:**

S-SACC3 Dr. Fatima Zahra BEN DEBBANE, Title: "Optimizing Nitrogen Rates and Irrigation to Enhance Yield and Nitrogen Use Efficiency of Bread Wheat under Arid Moroccan Conditions"

S-SACC4 Dr. Fazheng SUN, Title: "Protection, Restoration and Utilization of Soil and Water Ecology under the Background of New Quality Productivity"

S-SACC5 Dr. Honghu Liu, Title: "Synergistic effects of thaw slump, snowmelt waterflow, and thawed depth on snowmelt erosion of the frozen alpine meadow soil"

S-SACC5bis. Dr Hamza Iaach. Climate change impact on soil suitability for wheat and sugar beet in the Tadla Irrigated Plain - Central Morocco

S-SACC 6 Pr. Yiping Wu, Title: "The Grain-for-green Project Mitigates Soil Organic Carbon Lateral Loss in the Weihe River Basin of the Loess Plateau"

**Soil and Water Conservation through an Integrated Lens: Connecting Scientific Advances, Societal Needs, and Traditional Wisdom (S-SCSW)**

"Chair of session: Pr Naimi Mustapha Reporting: Pr Zahir Hafida

**Key note:** S-SCSW-3 Dr. Pasquale BORRELLI, Title: "Advancing Global Soil Erosion Assessment: Modelling, mapping, hotspots, and resilience strategies"**Participants list:**

S-SCSW-12 Dr. Adriana Bruggeman, Title: "Are mountain terraces financially viable? Evidence from modern and traditional terrace systems in Cyprus"

S-SCSW-13 Dr. Hakan DJUMA, Title: "Soils of terraced mountain agriculture: Traditional wisdom, modern technology and land abandonment"

S-SCSW-14 Dr. Lukáš BURŠÍK, Title: "Comparison of methods of volumetric quantification of soil loss"

S-SCSW-15 Dr. Mahin Kalehhouei, Title: "Analysis of the effect of wind-driven rainfall on the formation of soil surface cracks under laboratory conditions"

S-SCSW-16 Pr. Qinke Yang, Title: "Calculation and Analysis of Soil Erodibility Factor (K) on a Global Scale"

**APNI Special session (continue..)****16:30 - 18:00 Session 2: Soil assessment and management for a resilient landscape in Africa****Moderator:** Prof. Rachid Bouabid, ENA Meknes18:00 - 20:00 **Gala Dinner**

SESSION	Room A	Room B	Room C	Room D
Plenary	9:00-10:15 <b>Keynote Panel</b> : Embedding soil health and smart water management at the core of science-based policy development, innovation funding, and agricultural research priorities. (WASWAC: Pr. Baoyuan Liu), Sabanci University (Pr Ismail Çakmak), OCP N (Pr. Leonardus Vergütz), INRA/ICARDA (Dr Tarik Benabdellouahab/Dr Rachid Moussadek)			
	10:15-10:45 <b>Poster Session</b>			
10:45-11:00 <b>Coffee Break</b>				
Parallel Sessions	<p><b>11:00-12:00 Strategic shifts in agricultural practices and technologies to address climate change(S-SACC)</b>  <b>Chair of session:</b> Dr GUIMARAES G. Luiz Roberto  <b>Reporting:</b> Dr Hamza Iaach  <b>Key note</b> S-SACC5bis Pr Ismail Cakmak. Title: Fertilizers for Better Nutrition: Enhancing Food Quality and Human Health "  <b>Participants list:</b>            S-SACC5 Jörg SCHWEITZER and Jörg WEBER, Title: Comprehensive Revitalization and Humus Build-Up in Agricultural Land            S-SACC6bis - Dr. Ilham Khila, Title: Physiological Evaluation of Nitrogen Management Strategies to Enhance Wheat Yield and Efficiency in Arid Regions of Morocco            S-SACC7bis - Dr. Oumaima Iben Halima, Title: Soil Microbial Biomass and Enzymatic Activities under No-till Practice and Conventional Tillage in a Vertisol of Central Morocco            S-SACC8 Dr. Uwase SAFI, Title: Enhancing Date Palm Productivity through Mulching: A Study on Phenological Responses and Production            S-SACC9 Dr. Zhor Abail, Title: Plastic mulching effects on soil selected properties and leaf nutrient composition in citrus trees.            S-</p>	<p><b>Monitoring and early warning mechanisms in soil and water management (S-MSWM)</b>  <b>Chair of session:</b> Dr Gouzaye Amadou  <b>Reporting:</b> Dr Yassin Bouslihim  <b>Key note</b> S-MSWM-1 Pr. Baoyuan Liu, Title: Soil Erosion Mapping Practices in China and the Pan-Third Pole: Implications for Global-Scale Cartography"  <b>Participants list:</b>            S-MSWM-3 Dr. Csilla Hudek, Title: Restoring Soil Health: Science-Based Solutions for Soil Healing            S-MSWM-6 Dr. KERSTIN HARTSCH, Title: Soil Erosion Risk Management to improve Climate Resilience            S-MSWM-7 Dr. Laura Pedretti, Title: Applicability and limitations of InSAR for monitoring soil volume fluctuations            S-MSWM-8 Dr. Abdelmjid ZOUAHLI, Title: Integrating GIS, Statistical Modeling, and Multi-Index Water Quality Assessment (PIG, NPI, WQI, IWQI) for Climate Responsive Groundwater Management in the Mnasra Region, Gharb Plain, Morocco            S-MSWM-9 Dr. HATIM SANAD, Title: Integrating Soil Quality Index (SQI), Multivariate Statistics, and Geostatistics within a GIS Framework for Monitoring and Early Warning of Soil Degradation in the Mnasra Region, Morocco"</p>	<p><b>Integrated Water and Land Resource Management: Challenges and Opportunities for Climate Change Adaptation and Resilience (S-LWL)</b>  <b>Chair of session:</b> Pr Ngonidzashe Chirinda  <b>Reporting:</b> Dr Boulal Hakim  <b>Key note:</b> S-LWL-4 Dr. Richard DICK, Title: Mitigation of Drought with the Optimized Shrub-intercropping: Bioirrigating Crops and Driving Soil Microbial Functions in Semi-arid West Africa"  <b>Participants list:</b>            S-LWL-23 Dr. Jean Marie Vianney Nsabiymava, Title: Impact of Slow-Forming Terraces on Erosion Control and Landscape Restoration in Central Africa's Steep Slopes            S-LWL-24 Dr. Jianrong MA, Title: Research on the Practice of Soil Substrate Improvement for Ecological Restoration of Rock Slopes in the Hilly Belt of Southern China            S-LWL-25 Dr. Jiaqiong Zhang, Title: Effects of slope gradient on soil wind erosion on windward slopes in the wind-water erosion crisscross region on the Chinese Loess Plateau            S-LWL-26 Dr. Jinhui Yang, Title: Integrated Management of Mountain-River-Forest-Farmland-Lake-Grassland-Desert Systems: A Case Study on Beijing Urban Soil and Water Conservation in BEIJING WENYUHE PARK            S-LWL-28 Dr. Lei Han, Title: Sustainability challenges of soil and water conservation benefits of vegetation on the Loess Plateau"</p>	<b>CGIAR/ICARDA Special session</b>  <b>Chair of the session:</b> ICARDA-DDG-R Dr Augusto Becerra <b>Key note</b> S-SCSW-2bis : Dr Krishna Devkota. <b>Title:</b> Innovations of Soil Health and Water Management for Climate-resilient Dryland Agriculture in CWANA Region: ICARDA Experiences" <b>11:15 - 12:00 Panel discussion:</b> New initiatives for sustainable farming system and soils health and feedback from NARS and partners (Panelists from ICARDA/IWMI/IITA and INRA and UM6PAlmoutmir <b>Moderator:</b> Dr Rachid Moussadek

## SESSION

## Room A

## Room B

## Room C

## Room D

12:00-13:00

**The impact of climate change on soils and coping strategies(S-ICC)**

**Chair of session:** Pr Ghanimi Ahmed

**Reporting:** Dr Iaach Hamza

**Key note** S-ICC 3 - Prof. Guobin Liu, Title: Soil Conservation in China: Progress Challenges and Innovations"

**Participants list:**

S-ICC 17 - Dr. Hajar Guejjoud, Title: Land-based mitigation measures in global agro-ecosystems: A systematic review of multiple impacts on ecosystem services

S-ICC 18 - Dr. Qianxi Yang, Title: The spatio-temporal variations of global rainfall erosivity and erosive rainfall event based on half-hourly satellite rainfall data

S-SACC6 Dr. Pengfei Li, Title: Principle and applications of a regional-scale process-based soil erosion model, PESERA

S-ICC 19 - Dr. Zhaoyan Wang, Title: Construction of science-technology demonstration parks for soil and water conservation in China

S-ICC 22 - Dr. Chuanhong Li, Title: Elevational Patterns of Soil Nitrogen Forms and Transformations in the Southeastern Qinghai-Xizang Plateau"

**Monitoring and early warning mechanisms in soil and water management(S-MSWM)**

**Chair of session:** Dr Mina Devkota

**Reporting:** Dr Abdelali Mouaid

**Key note** S-MSWM-2 Dr. Youssef Brouziyne, Title: From Data to Action: Turning Fragility into Resilience across the Water-Food-Land Nexus in MENA"

**Participants list:**

S-MSWM-10 Dr. Adriana Bruggeman, Predicting Land Potential for Terrace Agriculture in Mediterranean Mountains: A Data-Driven Approach for the Troodos Region in Cyprus

S-MSWM-11 Dr. Xiangyang Tian, Title: Prediction of Gully Erosion Risk with Different Sample Densities in a Typical Small Watershed of the Loess Plateau Based on Random Forest Model

S-MSWM-13 Dr. Jingshu WANG, Title: Simulation of flood and sediment process in multi- scale catchment on Loess Plateau

S-MSWM-15 Dr. Ying Zhao, Title: Modeling hydrologic responses using multi-site and single-site rainfall generators in a semi-arid watershed

S-MSWM-16 Dr. Wene Wang, Title: Developing SWAT-S to Enhance Prediction of Extreme Rainfall Erosion

S-SACC7 Dr. Liqin Qu, Title: A mathematical approach for determining soil water infiltration curve"

**Integrated Water and Land Resource Management: Challenges and Opportunities for Climate Change Adaptation and Resilience (S-LWL)**

**Chair of session:** Dr Karrou Mohamed

**Reporting:** Dr Zineb Elmouridi

**Key note** S-LWL-29K: -Dr Rachid Moussadek, Title: Could conservation agriculture improve soil health and productivity in Drylands? Mythes and realities"

**Participants list:**

S- S-LWL-29bis-Dr. Ivan Minchev, Title: How much are human activities are affecting sedimentation rates of water reservoirs? Case study: Kalimanci and Gradche water reservoirs, Republic of North Macedonia

S-LWL-29 Dr. Pan ZHANG, Title: Anti-Erosion and Vegetation-promoting technologies for the Pisha Sandstone Area

S-LWL-32 Dr. Qiankun Guo, Title: Spatial and temporal heterogeneity on runoff and sediment load in the upper Yangtze River: a new perspective from tributaries hydrologic data

S-LWL-33 Dr. Yin Chen, Title: Runoff and the sediment load variations and their influence factors in the Inner Mongolia Reach of the Yellow River from 1950 to 2020

S-LWL-34 Dr. Yujiao Liu, Title: Variation Patterns of Freeze-Thaw Characteristics in the Source Region of the Yangtze River Under Climate Change"" "

Prima EU special session:



React4Med  
Nexus EESA  
Soil4Med  
Promedrice  
MountainHer

10:45-11:00 Lunch Break

## SESSION

## Room A

## Room B

## Room C

## Room D

14:00-15:30	<p><b>The impact of climate change on soils and coping strategies(S-ICC)</b>  <b>"Chair of session:</b> Dr Youssef Brouziyne  <b>Reporting:</b> Oumaima Iben Halima  <b>Key note</b> S-ICC-4 José Alfonso Gómez, Title: A conceptual integrated approach for use of vegetation based solutions for soil and water conservation in olive growing areas"</p> <p><b>Participants list:</b></p> <p>S-ICC 23 - Dr. Danjie Ran, Title: Developing SWAT-S to Enhance Prediction of Extreme Rainfall Erosion</p> <p>S-ICC 24 - Dr. Abdulhakeem Al-Qubati, Title: Urban and Peri-Urban Agriculture for a Resilient Future: Climate Change Contributions and Research Gaps</p> <p>S-ICC 25 - Dr. Fan Zhang, Title: Decision Support for Optimal Allocation of Water Resources in Arid Inland River Basin</p> <p>S-ICC 26 - Dr. Guan Wang, Title: Enhancing soil organic carbon sequestration through slope-to-terrace conversion and mixed planting: Insights from carbon pool composition and biomarker dynamics</p> <p>S-ICC 27 - Dr. Andrey ZHIDKIN, Title: Cause-and-effect analysis of spatio-temporal changes in soil erosion on the Central Russian Upland</p> <p>S-ICC 28 - Dr. Aristeidis Koutroulis, Title: Past and Future Drivers of Land Degradation in the Mediterranean</p> <p>S-ICC 29 - Dr. Ilham ZAIDALI, Title: Soil and Water Salinity Interactions: Case Study of Moroccan Oases"</p>
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14:00-15:30	<p><b>Monitoring and early warning mechanisms in soil and water management (S-MSWM)</b>  <b>Chair of session:</b> Pr Shamie Zingorie  <b>Reporting:</b> Dr Zhor Abail  <b>Key note:</b> Dr. Tarik Benabdellah Advancing soil suitability assessment through phenology-based remote sensing: unlocking the added value of large integral phenological parameter</p> <p><b>Participants list:</b></p> <p><b>S-MSWM-18</b> Dr Rachid ABOUTAYEB, Title: Impact of Urea use on Sheep manure heap-composting: Effect of Turning frequency on physicochemical properties and compost quality</p> <p><b>S-MSWM-19</b> Dr. Aziza Tangi, Title: Male- and female-dominated olive value chains: Which offer the highest potential to benefit and empower women? Evidence from two case studies in Morocco</p> <p><b>S-MSWM-20</b> Dr. Intissare Mouamine, Title: Effect of Nitrogen Management on Nutrient Status of Olive Trees in Two Soil Types in Northern Morocco</p> <p><b>S-MSWM-21</b> Dr Aboubacar Mariko, Title: Evaluating soil carbon content and stability in olive crops across a landscape in Ouezzane, Morocco</p> <p><b>S-MSWM-22</b> Dr. Ilhame El Majetni, Title: Strategic Irrigation Shifts for Climate-Resilient Agriculture in Morocco: Case of Moistube and SLECI</p> <p><b>S-MSWM-23</b> Dr. Xia YAN, Title: Study on the Impact of the Development and Utilization of River Bars and Shoals on River Functions</p> <p><b>S-MSWM-24</b> Dr. Rahoui Hassan, Title: Impact of Climate Conditions on the Water Potential of the Ansegmir River Watershed (Morocco)"</p>
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16:00-16:30	<p><b>Integrated Water and Land Resource Management: Challenges and Opportunities for Climate Change Adaptation and Resilience (S-LWL)</b>  <b>Chair of session:</b> Pr Chakiri Said  <b>Reporting:</b> Dr Meryem Touzani  <b>Key note:</b> S-LWL-36 Dr. Rui Li, Title: Brief Introduction of Global Soil Erosion Mapping project of FAO/GSP"</p> <p><b>Participants list:</b></p> <p>S-LWL-35 Dr. Zhijie Shan, Title: Fingerprinting sediment sources in two typical watersheds in the dry-hot valleys of Southwest China: The role of gully and orchard land</p> <p>S-LWL-37 Dr. Sheng LI, Title: Mapping tillage erosion risk for agricultural land in Canada</p> <p>S-LWL-38 Dr. Abdulvahed Khaledi Darvishan, Title: Erosional history over the past century using a combination of radionuclides, geochemical tracers and sediment measurement: An applicable approach</p> <p>S-LWL-39 Dr. Ognen Onchevski, Title: Evaluation of evapotranspiration rates at agricultural land sheltered by tree windbreaks in the Ovche Pole Region, North Macedonia</p> <p>S-LWL-40 Dr. Tomas DOSTAL, Title: The effect of land use pattern changes on soil loss and water retention</p> <p>S-LWL-41 Dr. Elsayed Elhabbasha, Title: Soil degradation, problem, roles, practices and solutions: Tamia region, as a case study"</p>
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16:30-18:00	<p><b>Prima EU special session:</b></p> <p><b>PRIMA</b>    PARTNERSHIP FOR SOIL AND WATER MANAGEMENT IN THE MEDITERRANEAN AREA</p> <p><b>React4Med</b></p> <p><b>Nexus EESA</b></p> <p><b>Soil4Med</b></p> <p><b>Promedrice</b></p> <p><b>MountainHer</b></p>
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## 15:30-16:00 Coffee Break

16:00-16:30 Award ceremony for the best papers and poster

16:30-18:00 Closing Ceremony &amp; Summary of Recommendations

18:00 Meeting of the WASWAC Council

DAY 3 17 SEPTEMBER 2025

## FIELD DAY

08:30-10:00	Departure
10:00-13:00	Field Visit to INRA Kenitra Experimental station
13:00-14:30	Lunch Break
14:30-16:00	Editorial board meeting of International Soil and Water Conservation Research Journal (ISWCR)

DAY 4 18 SEPTEMBER 2025

## YOUTH TRAINING SESSION

08:30-09:00	Participant Registration & Welcome Coffee
09:00-09:30	Opening Remarks & Objectives of the Training. Keynote speaker: Prof. Ghaouti Lamiae INRA & Prof. Ning Dave WASWAC/IRTCES
09:30-11:00	Session 1: Soil erosion by water at the global and regional levels: how reliable are the estimates? Keynote speaker: Pr. Valentin Golosov Laboratory for Soil Erosion and Channel Processes, Faculty of Geography Lomonosov Moscow State University
11:00-11:30	Coffee Break
11:30-13:00	Session 2: Innovative Modelling Tools for Soil and Water Conservation Keynote speaker Dr Dennis C. Flanagan & Prof. Emeritus, Purdue University
13:00-14:30	Lunch Break
14:30-16:00	Session 3: Innovative Tools for Soil and Water Conservation 3.1. Remote Sensing, GIS and Data Analytics for Soil and Water Monitoring and Management 3.2. On-the-Ground Innovative SWC Tools and Techniques Keynote speaker Dr. Rachid Moussadek & Prof. Mohammed Chikhaoui
15:30-16:00	Coffee Break
17:30-18:00	Day 1 Wrap-Up & Introduction to Next-Day Activities

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## YOUTH TRAINING SESSION

09:00-09:30	Welcome Back & Recap of Day 1
09:30-11:00	Session 4: Climate Change, Soil, and Water in Africa. Keynote speaker Dr. Rachid Mrabet 4.1. Global and Regional Climate Change Trends 4.2. The Nexus of Climate Change, Soil Degradation, and Water Scarcity 4.3. Soil Health and Fertility in a Changing Climate 4.4. Cutting edge tools for the nexus assessment
11:00-12:30	Action Workshop: Designing Regional Projects in Teams: Case Studies and Success Stories from Africa Group Presentations & Expert Feedback
12:30-15:00	Lunch Break / Prayer Break (Free Time)
15:00-16:00	Final Reflections & Discussion on Next Steps
16:00-17:00	Closing Session & Certificate Distribution + Networking