



**VII EUROSOIL 2025**  
**& X Congreso Ibérico**  
**de la Ciencia del Suelo**

SEVILLE-SPAIN 8-12 SEP



# ***DAYLY PROGRAM***

***(Preliminary version. 1.0)***

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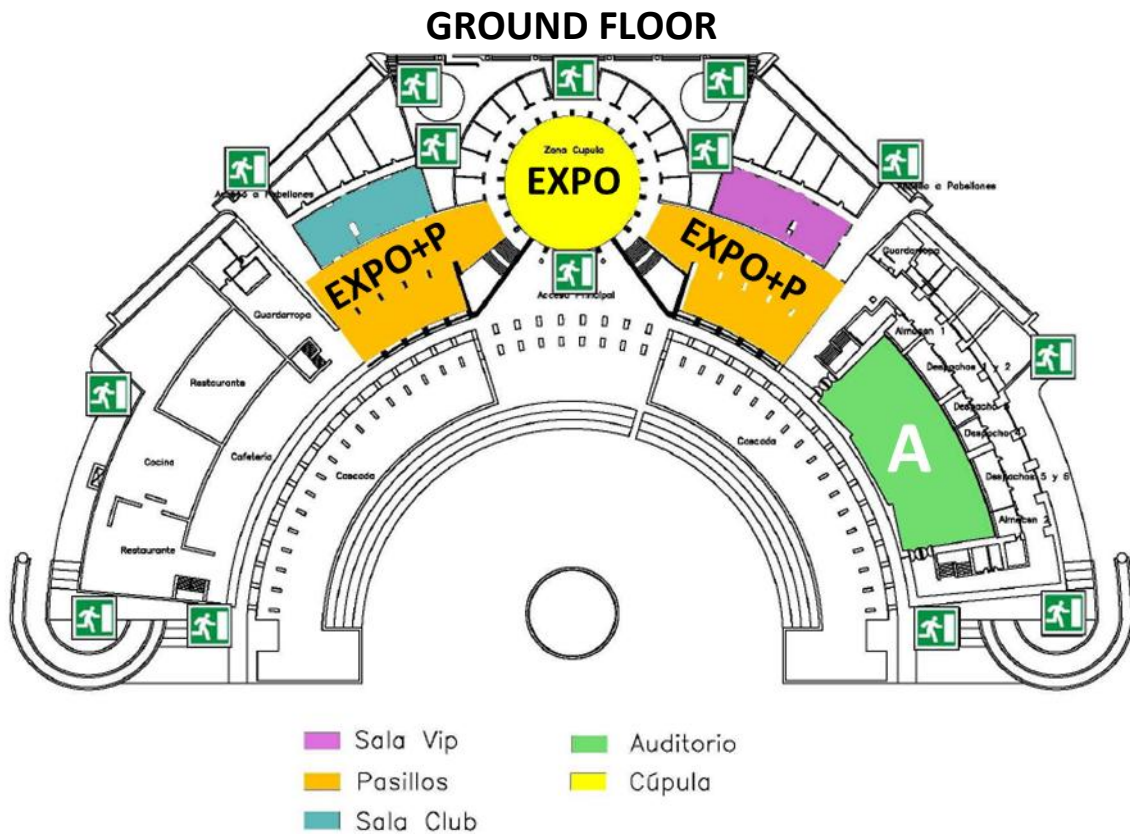


# EUROSOIL2025 SITE MAP

**FIBES I Convention Center. C. Urbano Orad, 9, 41020 Sevilla**

<https://maps.app.goo.gl/W8CpH32rz3QWh39A7>

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AL'ANDALUS AUDITORIUM

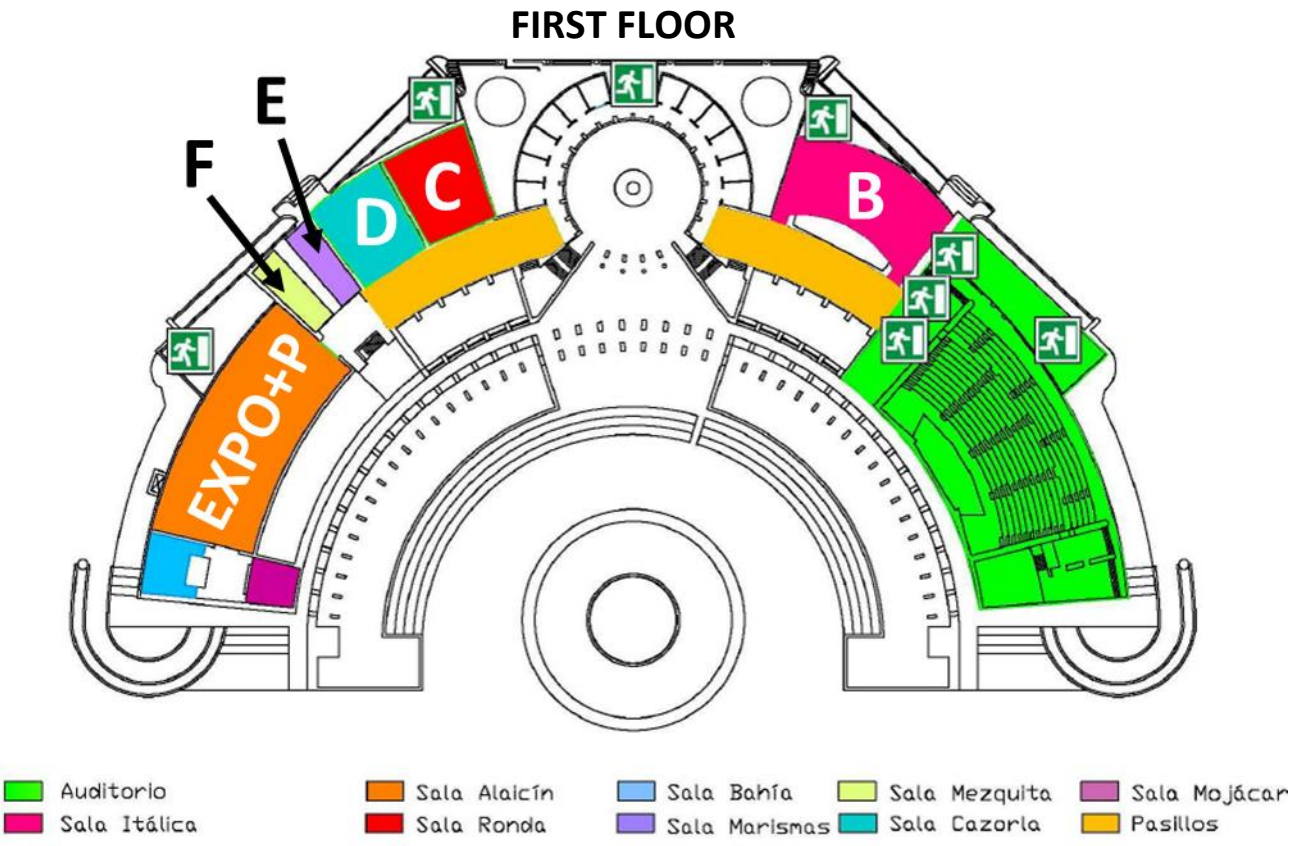
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Main Auditorium A

DOME AND CONNECTING CORRIDORS EXPO+Posters

Posters Session 1A Monday & Tuesday

Posters Session 2A Wednesday & Thursday



ITALICA AUDITORIUM	423px	Auditorium B
RONDA HALL	175px	Auditorium C
BAHIA HALL	175px	Auditorium D
MARISMAS HALL	75px	Auditorium E
MEZQUITA HALL	75px	Auditorium F
ALBAICIN HALL	EXPO+Posters	
	Posters Session 1B Monday & Tuesday	
	Posters Session 2B Wednesday & Thursday	

***MONDAY 8<sup>th</sup> SEPTEMBER 2025***



## AL' ANDALUS Auditorium (Main Auditorium A, Ground floor)

### Monday 8<sup>th</sup>

<b>09:00-10:00</b>	<b>OPENING CEREMONY</b> <b>Chairs:</b> José A. González-Pérez and José M <sup>a</sup> de la Rosa (IRNAS-CSIC)
09:00-9:10	<b>PRESENTATION OF EUROSOIL</b>
09:10-9:40	<b>OPENING CONFERENCE</b> <b>Improving Soil Health in Europe: Emerging Challenges and Opportunities for Soil Science and Policy</b> <b>Dr. Panos Panagos, EC JRC, Ispra, Italy</b>
09:40-10:00	<b>INAUGURAL ACT</b>
10:00-10:45	<b>INAUGURAL LECTURE</b> <b>Soil Science and Global Issues of the 21st Century</b> <b>Dr. Rattan Lal, Ohio State Univ., USA</b>
<b>10:45-11:30</b>	<b>COFFEE + EXPO + POSTERS SESSION 1</b> (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 & 17)
<b>11:30- 13:00</b>	<b>SESSION: GT09. SOIL HEALTH</b> <b>Conceptual Frameworks &amp; Assessment I</b> <b>Chairs:</b> P Hallett (BSSS President) & A. Brauman (AFES President)
11:30-11:45	ORAL 01: A. Mcbratney. Univ. Sydney (Australia) #664. POSITIONING SOIL HEALTH WITHIN THE FRAMEWORK OF SOIL SECURITY.
11:45-12:00	ORAL 02: A. Brauman et al. IRD, Montpellier (France) #199. FROM FERTILITY TO FUNCTION: THE EVOLVING NARRATIVES OF SOIL HEALTH AND QUALITY.
12:00-12:15	ORAL 03: R. E. Zwaan et al. RIVM, Delft (The Netherlands) #206. ARE ALL SOIL HEALTH SCORES QUANTIFIED EQUALLY? A SYSTEMATIC REVIEW, CLASSIFICATION AND COMPARISON OF SOIL HEALTH METHODOLOGIES.
12:15-12:30	ORAL 04: G. A. L. Riggi et al. Wageningen Env. Research (The Netherlands) #567. TOWARDS ROBUST ASSESSMENT CRITERIA FOR SOIL BIOINDICATORS: INSIGHTS FROM EUROPEAN CASE STUDIES.
12:30-12:45	ORAL 05: G. Ross NIOO-KNAW, Wageningen (The Netherlands) #21. SOIL MONITORING: STANDARDISED PROTOCOLS FOR THE ASSESSMENT OF BIODIVERSITY AND ECOSYSTEM SERVICES [SOIL HEALTH AND RE-EVALUATION; SHARE PROTOCOLS].
12:45-13:00	ORAL 06: C. Imbert et al. ZALF, Müncheberg (Germany) #266. IDENTIFYING KEY STAKEHOLDERS IN SOIL MONITORING, REPORTING, AND VERIFICATION (MRV): AN OVERVIEW OF THE EARLY INSIGHTS.
<b>13:00-14:30</b>	<b>LUNCH + EXPO + POSTERS SESSION 1</b> (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 and 17)
<b>14:30-16:00</b>	<b>SESSION: GT09. SOIL HEALTH</b> <b>Carbon and Nutrient Cycling</b> <b>Chairs:</b> I. Ortiz-Bernard (SECS President) & R. Kasparinskis (Latvia Univ. of Life Sci. and Tech.)
14:30-14:45	ORAL 07: E. Valkama et al. LUKE, Turku & FORI, Helsinki (Finland) #740. META-ANALYSIS ON SOIL ORGANIC CARBON AND CEREAL PRODUCTION IN ORGANIC FARMING SYSTEMS ACROSS EUROPE.
14:45-15:00	ORAL 08: C. M. Rubeaud et al. Agroscope, Zürich (Switzerland) #533. SECOND-ORDER META-ANALYSIS TO ASSESS THE GLOBAL EFFECTS OF AGROFORESTRY ON SOIL HEALTH.
15:00-15:15	ORAL 09: T. P. Duval. Univ. Toronto Mississauga (Canada) #830. REACTIONS OF SEQUESTERED SOIL CARBON IN ABANDONED AGGREGATE PITS "RESTORED" TO GRASSLANDS.
15:15-15:30	ORAL 10: S. Chebet et al. ETH, Zurich (Switzerland) #18. RAPID INCREASE IN SOIL ORGANIC CARBON AND STRUCTURAL STABILITY IN A SANDY LOAM SOIL FOLLOWING CONVERSION FROM LONG-TERM ARABLE TO SEMI-NATURAL GRASSLAND IRRESPECTIVE OF INITIAL SOIL CONDITIONS.
15:30-15:45	ORAL 11: A. R. Sánchez-Rodríguez et al. Univ. Córdoba (Spain) #230. SOIL CARBON, FERTILITY, AND HEAVY METAL CONTENT UNDER DIRECT SOWING AND ORGANIC FARMING IN SPANISH RAINFED CEREALS.
15:45-16:00	ORAL 12: M. Almagro et al. IFAPAI, Granada (Spain) #699. GLOBAL WARMING SPEEDS UP COVER CROP DECOMPOSITION AND NUTRIENT RELEASE THROUGH UV RADIATION BY ALTERING MICROBIAL COMMUNITY DIVERSITY AND FUNCTION IN SEMIARID MEDITERRANEAN WOODY AGROECOSYSTEMS.
<b>16:00-16:30</b>	<b>EXPO + POSTERS SESSION 1</b> (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 & 17)
<b>19:00-21:00</b>	<b>WELCOME CONCERT &amp; SPANISH WINE</b>

# ITALICA Auditorium (Auditorium B, First floor)

## Monday 8<sup>th</sup>

<b>11:30- 13:00</b>	<b>SESSION: GT07. SOIL AMENDMENTS &amp; FERTILIZERS</b> <b>Circular Economy Approaches for Sustainable Crop Fertilization and Soil Health I</b> <b>Chairs: C. Zaccone (SISS President) &amp; E. Madejón (IRNAS-CSIC)</b>
11:30-11:45	ORAL 01: M. Mazzon et al. Univ. of Bologna (Italy) #309. ORGANIC-BASED FERTILIZERS FOR SUSTAINABLE VINEYARD MANAGEMENT: EFFECTS ON SOIL BIOCHEMISTRY, MICROBIOME AND CARBON STOCK.
11:45-12:00	ORAL 02: P. F. Rupani et al. Cranfield Univ. (United Kingdom) #336. ROOTED IN EMISSIONS: UNCOVERING GHG FLUXES FROM WINTER WHEAT UNDER ORGANO-MINERAL FERTILISATION.
12:00-12:15	ORAL 03: M. Kamran et al. Univ. of Adelaide (Australia) #322. REVITALIZING SANDY SOILS: ORGANO-MINERAL INPUTS ENHANCE DROUGHT RESILIENCE IN WHEAT AND MICROBES.
12:15-12:30	ORAL 04: N. A. Zahra et al. Technical Univ. Leoben (Austria) #86. ENHANCING PLANT RESILIENCE TO DROUGHT: THE POTENTIAL OF CARBON FROM METHANE PLASMA LYSIS (CMP)-BASED SOIL AMENDMENTS ASSESSED THROUGH PHENOTYPING.
12:30-12:45	ORAL 05: N. Kaloterakis et al. Agrosphere (IBG3), Jülich (Germany) #305. MITIGATING YIELD DECLINE IN CONTINUOUS WINTER WHEAT ROTATIONS.
12:45-13:00	ORAL 06: S. M. Muscarella et al. Univ. of Palermo (Italy) #674. A HOLISTIC APPROACH TO RECOVERY AND REUSE OF TREATED WASTEWATER AND ITS BY-PRODUCTS IN A CIRCULAR ECONOMY PERSPECTIVE: INSIGHTS FROM THE WIDER UPTAKE H2020 PROJECT.
<b>13:00-14:30</b>	<b>LUNCH + EXPO+POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>14:30-16:30</b>	<b>SESSION: GT07. SOIL AMENDMENTS &amp; FERTILIZERS</b> <b>Circular Economy Approaches for Sustainable Crop Fertilization and Soil Health II</b> <b>Chair: R. López Núñez (IRNAS-CSIC)</b>
14:30-14:45	ORAL 07: I. M. Becerra-Vela et al. Univ. of Seville (Spain) #219. UNLOCKING MICRONUTRIENT POTENTIAL: IRON (FE) AND ZINC (ZN) BIOFORTIFICATION VIA BIOBASED FERTILIZER STRATEGIES.
14:45-15:00	ORAL 08: A. M. Robles et al. Univ. Santiago de Compostela (Spain) #143. CHARACTERIZATION, TRANSFORMATION AND VALORIZATION OF AGRI-FOOD RESIDUES FROM STRATEGIC INDUSTRIES OF THE IBERIAN PENINSULA FOR SUSTAINABLE AGRICULTURE.
15:00-15:15	ORAL 09: N. Mod et al. The Univ. of Newcastle, Callaghan (Australia) #373. POROUS BIOCARBON AS A SCAFFOLD FOR SLOW-RELEASE NITROGEN FERTILIZER.
15:15-15:30	ORAL 10: S. Boubehziz et al. Univ. Cordoba (Spain) #407. PHOSPHORUS DYNAMICS AND PLANT RESPONSE WITH BIOAMENDMENTS IN CONTRASTING SOILS: INCUBATION EXPERIMENTS
15:30-15:45	ORAL 11: A. Boarino et al. Univ. di Torino (Italy) #589. BALANCING NUTRIENTS IN LIVESTOCK-DERIVED FERTILIZERS TO REDUCE NUTRIENT LOSSES FROM AGRICULTURAL SOILS.
15:45-16:00	ORAL 12: V. Da Costa Oliveira et al. Inst. Politécnico de Coimbra (Portugal) #792. FROM INVASIVE PLANT TO FERTILIZER: INDUSTRIAL-SCALE COMPOSTING OF WATER HYACINTH WASTE FOR SOIL IMPROVEMENT.
<b>16:00-16:30</b>	<b>EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>16:30-18:00</b>	<b>SESSION: GT07. SOIL AMENDMENTS &amp; FERTILIZERS</b> <b>Circular Economy Approaches for Sustainable Crop Fertilization and Soil Health III</b> <b>Chair: H. Carmo (IPCB)</b>
16:30-16:45	ORAL 13: M. Colomina-Garcia et al. Univ. de Lleida (Spain) #354. IMPACT OF PIG SLURRY DIGESTATE ON SOIL QUALITY: A 6-YEAR STUDY.
16:45-17:00	ORAL 14: N. Matsumura et al. Meiji Univ.y, Kawasaki (Japan) #473. PHOSPHORUS RELEASE BEHAVIOR FROM SEWAGE SLUDGE MOLLEN SLAG AND ITS AVAILABILITY TO PLANT.
17:00-17:15	ORAL 15: S. M. Pérez-Dalí et al. IRNAS-CSIC, Seville (Spain) #475. HARNESSING PYROLIGNEOUS ACID FOR CIRCULAR AGRICULTURE AND WEED MANAGEMENT.
17:15-17:30	ORAL 16: Y. Chourak et al. Univ. of Vic (Spain) #239. DELISOIL: IMPROVING SOIL HEALTH BY TRANSFORMING FOOD INDUSTRY BY-PRODUCTS IN THE LIVING LAB OF CATALONIA.
17:30-17:45	ORAL 17: G. Heo. Gyeongsang National Univ., Jinju (South Korea) #285. LIVESTOCK COMPOST APPLICATION AFFECTS TO CONVERTED UPLAND SOIL PHOSPHORUS CYCLING: ANALYSIS VIA P FRACTION.
17:45-18:00	ORAL 18: S. F. Maemu et al. Univ. of Venda, Thohoyandou (South Africa) #104. MACADAMIA HUSK COMPOST HAS THE POTENTIAL TO IMPROVE SOIL QUALITY IN A MACADAMIA ORCHARD.
<b>19:00-21:00</b>	<b>WELCOME CONCERT &amp; SPANISH WINE</b>

# RONDA Hall (Auditorium C, First floor)

## Monday 8<sup>th</sup>

<b>11:30- 13:00</b>	<b>SESSION: GT10. SOIL CARBON DYNAMICS &amp; STABILIZATION</b> <b>Enhancing Soil Carbon through Sustainable Management for Climate Mitigation I</b> <b>Chairs: J. Aguilera Huertas, B. Lozano García &amp; M. González Rosado (Univ. Cordoba, Spain)</b>
11:30-11:45	ORAL 01: C. Fernández-Soler et al. CEBAS-CSIC, Murcia (Spain) #619. ROLE OF PLANT LITTER QUALITY ON CARBON SEQUESTRATION POTENTIAL IN RAINFED WOODY CROPS SYSTEMS.
11:45-12:00	ORAL 02: Eugenia Gimeno-Garcia et al. CIDE (CSIC, UV, GVA), Moncada (Spain) #267. SOIL CARBON POOLS IN DIFFERENT SOIL TYPES MANAGED WITH PRESCRIBED FIRES IN THE VALENCIAN COMMUNITY.
12:00-12:15	ORAL 03: A. P. Conte et al. Public Univ. of Navarra, Pamplona (Spain) #319. THE TWO FACES OF THE SOIL CARBON COIN: ORGANIC AND INORGANIC C DYNAMICS AS AFFECTED BY AGRICULTURAL MANAGEMENT IN CALCAREOUS SOILS.
12:15-12:30	ORAL 04: F. M. Vanwindekens et al. Centre Wallon de Rech. Agron., Gembloux (Belgium) #695. A WEB APPLICATION FOR DOCUMENTING MANAGEMENT PRACTICES TO INCREASE SOIL CARBON STOCKS AND ENHANCE SOIL QUALITY IN AGRICULTURE, FORESTRY, AND URBAN GREEN SPACES..
12:30-12:45	ORAL 05: C. Hernández-Moreno et al. Iberian Sustainable Mining Cluster, León (Spain) #799. SYNERGIES BETWEEN CARBON DIOXIDE REMOVAL (CDR) APPROACHES FOR ECOSYSTEM BENEFITS FROM SOIL-BASED, HYBRID AND ENGINEERED METHODS.
12:45-13:00	ORAL 06: S. Sushko et al. The Russian Academy of Sci., Pushchino (Russia) #711. THERMAL, PARTICLE-SIZE AND MICROBIAL-AVAILABLE POOLS OF SOIL ORGANIC MATTER IN TILLED AND NO-TILLED CHERNOZEMS.
<b>13:00-14:30</b>	<b>LUNCH + EXPO +POSTERS SESSION1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>14:30-16:00</b>	<b>SESSION: GT10. SOIL CARBON DYNAMICS &amp; STABILIZATION</b> <b>Enhancing Soil Carbon through Sustainable Management for Climate Mitigation II</b> <b>Chairs: J. Aguilera Huertas, B. Lozano García &amp; M. González Rosado (Univ. Cordoba, Spain)</b>
14:30-14:45	ORAL 07: T. Bölscher et al. Univ. Paris-Saclay, INRAE, Palaiseau, (France) #137. LINKING CROP DIVERSIFICATION TO SOIL MICROBIAL DECOMPOSITION AND ORGANIC CARBON STORAGE – SYNTHESIS OF THE PAN-EUROPEAN EJP SOIL PROJECT ENERGYLINK.
14:45-15:00	ORAL 08: M. Giordano et al. Univ. of Padua, (Italy) #555. SHORT-TERM EFFECT OF DIFFERENT AGRONOMIC MANAGERMENTS ON SOIL PARTICULATE ORGANIC MATTER (POM) AND MINERAL-ASSOCIATED ORGANIC MATTER (MAOM) CONTENT.
15:00-15:15	ORAL 09: J. L. Nunes Carvalho et al. CNPEM/LNBR, Campinas (Brazil) #813. LAND USE INTENSIFICATION IN AMAZON REGION: IMPLICATIONS ON SOIL CARBON STORAGE AND STABILIZATION.
15:15-15:30	ORAL 10: E. Grilli et al. Univ. of Campania “Luigi Vanvitelli”, Caserta (Italy) #152. EFFECT OF LONG-TERM INCORPORATION OF CROP RESIDUES AND CONSERVATION TILLAGE ON SOIL ORGANIC CARBON STOCKS IN A MEDITERRANEAN FARMLAND UNDER DESERTIFICATION RISK: A 13C STUDY.
15:30-15:45	ORAL 11: C. Poesio et al. Univ. of Perugia, (Italy) #446. EFFECTS OF COVER CROPS AND NO-TILLAGE ON SOIL ORGANIC MATTER DYNAMICS IN A MID-TERM FIELD EXPERIMENT.
15:45-16:00	ORAL 12: G. Nascimento et al. Agrotecnio, Lleida (Spain) #174. WINTER COVER CROPS IMPROVE SOIL ORGANIC CARBON AND AGGREGATION IN MEDITERRANEAN RICE SYSTEMS.
<b>16:00-16:30</b>	<b>EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>16:30-18:00</b>	<b>SESSION: GT10. SOIL CARBON DYNAMICS &amp; STABILIZATION</b> <b>Land Uses for Carbon Enhancement</b> <b>Chair: A. M. Paz (INIAV)</b>
16:30-16:45	ORAL 13: A. Cervera-Mata et al. CEBAS-CSIC, Murcia (Spain) #236. LONG-TERM SOIL CARBON LOSS AND GREENHOUSE GAS IMPACTS FROM FOREST CONVERSION TO AGRICULTURE IN MEDITERRANEAN SPAIN.
16:45-17:00	ORAL 14: A. R. Trindade et al. MED, Faro (Portugal) #816. SOIL ORGANIC CARBON STORAGE IN CITRUS AND AVOCADO ORCHARDS.
17:00-17:15	ORAL 15: J. Chepkemai and R. N. Onwonga. Univ. of Nairobi (Kenya) #204. SPATIAL VARIABILITY OF SOIL ORGANIC CARBON AND NITROGEN FRACTIONS UNDER DIFFERENT VEGETATION COVERS AND TOPOGRAPHY IN ILMOTIOK RANCH, KENYA.
17:15-17:30	ORAL 16: C. McMackin et al. Univ. of Zurich (Switzerland) #571. FROM DEGRADATION TO STABILIZATION: ASSESSING MINERAL SOIL COVERAGE IN AGRICULTURAL PEATLAND MANAGEMENT.
17:30-17:45	ORAL 17: Z. Ott et al. Univ. Toulouse/CNRS/IRD/CNES, (France) #398. STOCKS AND DYNAMICS OF PEDOGENIC CARBONATES IN ARID TROPICAL SOILS, COMPARISON BETWEEN IRRIGATED AGRICULTURE AND AGROFORESTRY.
17:45-18:00	ORAL 18: M. T. Karimi Nezhad et al. VUK, Brno (Czech Republic) #107. SOIL CARBON AND NITROGEN DYNAMICS IN REWILDED EUROPEAN LANDS: INSIGHTS FROM META-ANALYSIS AND ISOTOPIC TRACERS.
<b>18:00-19:00</b>	<b>WORKSHOP 1. SOIL HEALTH INSTITUTE</b>
<b>19:00-21:00</b>	<b>WELCOME CONCERT &amp; SPANISH WINE</b>



**BAHIA Hall (Auditorium D, First floor)****Monday 8<sup>th</sup>**

<b>11:30- 13:00</b>	<b>SESSION: GT11. SOIL DEGRADATION, DESERTIFICATION,</b> <b>Chair: A. Karczewska (Wroclaw Univ.)</b>
11:30-11:45	ORAL 01: C. Schillaci et al. JRC, Ispra (Italy) #690. IMPROVING THE METHODOLOGY FOR THE UNCCD SDG 15.3.1 1 LAND DEGRADATION INDICATOR BASELINE ASSESSMENT IN THE EUROPEAN UNION.
11:45-12:00	ORAL 02: M. Ceacero-Moreno et al. Univ. Politécnica de Cartagena (Spain) #616. SOIL MULTIFUNCTIONALITY ACROSS VEGETATION STRATA IN TECHNICALLY RESTORED AND SPONTANEOUSLY COLONIZED METALLIFEROUS MINE TAILINGS.
12:00-12:15	ORAL 03: D. Fernández-Rodríguez et al. Univ. de Extremadura, Badajoz (Spain) #724. MODERATE AND SEVERE WATER-RESTRICTION IRRIGATION STRATEGIES AND BIOCHAR APPLICATION FOR THE CONTROL OF ARSENIC AND CADMIUM IN RICE FIELDS OF THE LOWER GUADIANA RIVER, MEDITERRANEAN REGION.
12:15-12:30	ORAL 04: B. Głina et al. Poznan Univ. of Life Sciences, Poznan (Poland) #8. THE IMPORTANCE OF SOIL WATER REPELLENCY FOR THE CLIMATE-SMART SUSTAINABLE MANAGEMENT OF FEN PEATLAND SOILS - CASE STUDY FROM CENTRAL POLAND.
12:30-12:45	ORAL 05: F. Pearce. Lancaster Univ. (United Kingdom) #850. DEGRADATION AND RESILIENCE OF SEMI-ARID GRASSLAND SOILS.
12:45-13:00	ORAL 06: N. Islam et al. Bangladesh Rice Res. Inst., Gazipur (Bangladesh) #127. ENHANCING CROP RESILIENCE IN COASTAL AGRO-ECOSYSTEMS: MANAGING WATERLOGGING, SALINITY, AND DROUGHT VIA SHALLOW DRAINS AND STRAW MULCH.
<b>13:00-14:30</b>	<b>LUNCH + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>14:30-16:00</b>	<b>SESSION: GT11. SOIL DEGRADATION, DESERTIFICATION,</b> <b>Emerging Pollutants and Microplastics I</b> <b>Chair: L. Weihermüller (FZ-Juelich)</b>
14:30-14:45	ORAL 07: S. Kumar et al. Indian Statistical Inst., Giridih (India) #34. VERMITECHNOLOGY FOR SUSTAINABLE REMEDIATION AND RECYCLING OF COAL MINE WASTE: TRANSFORMING TOXIC WASTE INTO NUTRIENT-RICH ORGANIC AMENDMENT.
14:45-15:00	ORAL 08: A. Míguez-González et al. Univ. de Santiago de Compostela, Lugo (Spain) #241. RISK ASSESSMENT OF THE PRESENCE OF IONOPHORE ANTIBIOTICS IN AGRICULTURAL SOILS BY MEANS OF THE LEUCINE INCORPORATION TECHNIQUE.
15:00-15:15	ORAL 09: E. Loffredo et al. Univ. of Bari Aldo Moro (Italy) #470. POTENTIAL OF DIGESTATE-DERIVED VERMICOMPOST TO BEHAVE AS PESTICIDE ADSORBENT.
15:15-15:30	ORAL 10: M. Pérez-López et al. Univ. de Extremadura, Badajoz (Spain) #780. INTEGRATED APPROACH OF ALTERNATE WETTING AND DRYING IRRIGATION WITH BIOCHAR AMENDMENT TO REDUCE CLOMAZONE HERBICIDE WATER POLLUTION IN RICE CULTIVATION.
15:30-15:45	ORAL 11: L. Circelli et al. Univ. of Molise, Campobasso (Italy) #679. MICROPLASTICS IN SOIL AND BIOSOLID SAMPLES: QUANTITATIVE ASSESSMENT WITH A NIR SPECTROSCOPY MULTIVARIATE APPROACH.
15:45-16:00	ORAL 12: Y. Liu et al. Ghent Univ. (Belgium) #377. MICROPLASTIC TRANSPORT IN SOIL BY NEMATODES.
<b>16:00-16:30</b>	<b>EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>16:30-18:00</b>	<b>SESSION: GT11. SOIL DEGRADATION, DESERTIFICATION,</b> <b>Emerging Pollutants and Microplastics II</b> <b>Chairs: C. McMackin (Univ. Zurich) &amp; D. Arenas-Lago (Univ. Vigo).</b>
16:30-16:45	ORAL 13: P. N. Kusumawardani et al. Ghent Univ. (Belgium) #670. THE REDISTRIBUTION OF PRISTINE AND AGED POLYSTYRENE MICROPLASTICS (<50 MM) IN SOIL AGGREGATE FRACTIONS.
16:45-17:00	ORAL 14: M. Grattacaso et al. IRET-CNR, Florence (Italy) #743. FROM COMPOST TO SOIL CONTAMINATION: ASSESSING MICROPLASTICS IN FARMLAND USING ELUTRIATION.
17:00-17:15	ORAL 15: M. Dia et al. Univ. of Angers (France) #403. TRACKING PFAS IN SOIL - DEVELOPMENT OF PFAS EXTRACTION METHOD AND ANALYSIS BY ELECTROCHEMICAL SENSORS DEVICE SPE-MIP VS HPLC.
17:15-17:30	ORAL 16: L. Counet et al. Injectis, Barcelona (Spain) #552. IN-SITU PFAS STABILIZATION BY INJECTION OF ORGANO-CLAY (INSUFIX PROJECT).
17:30-17:45	ORAL 17: M. Soll et al. Frontier Laboratories Europe, Essen (Germany) #202. QUANTIFICATION & IDENTIFICATION OF MICROPLASTICS IN MARINE SEDIMENTS BY PYROLYSIS-GC/MS.
17:45-18:00	ORAL 18: L. Virág et al. Hungarian Univ. of Agric. and Life Sci., Gödöllo (Hungary) #291. POLYPROPYLENE AND POLYESTER MICROFIBERS: A HIDDEN THREAT IN SOIL.
<b>18:00-19:00</b>	<b>WORKSHOP 2.</b>
<b>19:00-21:00</b>	<b>WELCOME CONCERT &amp; SPANISH WINE</b>

**MARISMAS Hall (Auditorium E, First floor)****Monday 8<sup>th</sup>**

<b>11:30- 13:00</b>	<b>SESSION: GT02. SOIL PHYSICAL CHEMISTRY</b> <b>Soil Structure and Physical Modelling</b> <b>Chair: E. Micheli (Hungarian Univ. Agric. And Life Sci.)</b>
11:30-11:45	ORAL 01: S. Chebet et al. Agroscope, Zurich (Switzerland) #17. TRACKING OF THREE-DIMENSIONAL SOIL STRUCTURE EVOLUTION UNDER TWO CONTRASTING LAND USES.
11:45-12:00	ORAL 02: I. Kouera et al. Univ. Mohammed VI Polytechnic, Benguerir (Morocco) #147. DEVELOPING HIGH-PRECISION SOIL CEC MEASUREMENT FOR CANADIAN AND U.S. LABORATORIES: PEDOTRANSFER EQUATIONS, RAPID ROUTINES CHEMISTRY ANALYSIS, AND VIS-NIR/MIR SPECTROSCOPY.
12:00-12:15	ORAL 03: A. M. Widmer et al. Agroscope, Zurich (Switzerland) #185. INFLUENCE OF PADDY RICE CULTIVATION ON CHEMICAL AND PHYSICAL PROPERTIES OF TWO CONTRASTING SOIL TYPES IN SWITZERLAND.
12:15-12:30	ORAL 04: L. Lin et al. Univ. of Liège, Liege (Belgium) #253. PREDICTING BULK DENSITY OF SOILS WITH VARYING DEGREE OF STRUCTURAL DEGRADATION USING SINGLE AND MULTI-PARAMETER BASED PEDOTRANSFER FUNCTIONS.
12:30-12:45	ORAL 05: J. F. Miranda-Vélez Aarhus Univ., Viborg (Denmark) #376. 20 YEARS OF NON-INVERSION TILLAGE AND STRAW RETENTION: EFFECTS ON YIELD AND FIELD NITROGEN IN THE CENTS LTE IN DENMARK.
12:45-13:00	ORAL 06: M. Kaspar. Univ. of Kaiserslautern-Landau, (Germany) #422. INTERSPECIFIC CHEMICAL VARIATION OF EARTHWORM MUCUS AND ITS INFLUENCE ON SOIL PHYSICOCHEMICAL PROPERTIES.
<b>13:00-14:30</b>	<b>LUNCH + EXPO + POSTERS SESSION 1 (POSTERS EUSO, 1,2,5,8,9,10,11,12 and 17)</b>
<b>14:30-16:00</b>	<b>SESSION: GT02. SOIL PHYSICAL CHEMISTRY</b> <b>Biogeochemical Cycles and Soil Contaminants</b> <b>Chair: F. Zehetner (BOKU)</b>
14:30-14:45	ORAL 07: N. H. Okoli. Federal Univ. of Technology, Owerri (Nigeria) #105. HUMIC SUBSTANCES IN MOTION: DO THEY FORM A SUPRAMOLECULE OR UNDERGO ASSOCIATIVE-DISSOCIATIVE TRANSITIONS?
14:45-15:00	ORAL 08: I. C. Gavilanes et al. Escuela Sup. Politéc.de Chimborazo, Riobamba (Ecuador) #229. EFFECT OF ASH FROM THE SANGAY VOLCANO ON AGRICULTURAL SOILS IN ALAUSÍ CANTON. CASE STUDY IN THE PUMALLACTA-ECUADOR PARISH.
15:00-15:15	ORAL 09: Andrea Parente Sendín et al. Univ. de Vigo, Ourense (Spain) #233. MERCURY IN THE SOIL-PLANT ECOSYSTEM OF A FOREST FROM THE UNESCO-BIOSPHERE RESERVE "AREA DE ALLARIZ" (NW IBERIAN PENINSULA).
15:15-15:30	ORAL 10: L. Acemel-Míguez et al. Univ. de Vigo, Orense (Spain) #394. THE ROLE OF THE INVASIVE ACACIA DEALBATA IN SHAPING SOIL MERCURY POOLS IN NW SPAIN
15:30-15:45	ORAL 11: R. E. Singh et al. Environ. Res. Centre, Teagasc Johnstown Castle, Wexford (Ireland) #501. CHARACTERISING PEAT SOIL DIVERSITY ACROSS IRISH GRASSLANDS THROUGH PHYSICAL AND CHEMICAL INDICATORS.
15:45-16:00	ORAL 12: R. Bajouco et al. Univ. de Trás-os-Montes e Alto Douro, Vila Real (Portugal) #472. PHOSPHORUS SORPTION IN MEDITERRANEAN SOILS: A COMPARATIVE MODELLING STUDY USING LANGMUIR, FREUNDLICH, AND SIP MODELS..
<b>16:00-16:30</b>	<b>EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>16:30-17:00</b>	<b>FLASH ORAL SESSION (GT01)</b> <b>Chair: R. Soria (Univ. Almeria)</b>
16:30-16:35	FLASH GT01-1: E. Pihlap et al. Centre of Estonian Rural Res. and Knowledge, Jõgeva (Estonia) #295. MODERNIZING DIGITAL SOIL MAP OF ESTONIA USING GEOSPATIAL AND FIELD-BASED APPROACHES WITH THE FOCUS ON ORGANIC SOILS.
16:35-16:40	FLASH GT01-2: M. Tierra et al. EEAD-CSIC, Zaragoza (Spain) #263: SALT-AFFECTED, GYPSUM, AND CARBONATE RICH SOILS UNDER THE COMMON AGRICULTURAL POLICY AND NEW IRRIGATION IN THE CENTRAL EBRO BASIN.
16:40-16:45	FLASH GT01-3: S. Guerreiro et al. Univ. de Lisboa (Portugal) #380. UPDATING SOIL MAPPING IN MEDITERRANEAN REGIONS THROUGH LANDSCAPE UNITS AND LEGACY SOIL DATA.
16:45-16:50	FLASH GT01-4: B. Dirnena et al. Univ. of Latvia, Riga (Latvia) #435. SOIL FORMATION CONDITIONS, PROCESSES AND CLASSIFICATION ON THE BALTIC SEA COAST OF LATVIA.
16:50-16:55	FLASH GT01-5: Q. Peng. Univ. of Zurich (Switzerland) #525. EVOLUTION OF SOILS IN THE NORTHEAST CHINA BLACK SOIL REGION: EVIDENCE FROM GEOCHEMISTRY.
16:55-17:00	FLASH GT01-6: E. D. Chukwu. FUTO, Owerri (Nigeria) #48. EFFECT OF BIOMEDICAL WASTE ON SOIL MICROBIAL POPULATION AND TOXICITY LEVEL OF MICRONUTRIENTS/HEAVYMETALS IN IMO STATE, NIGERIA.

<b>17:10-17:45</b>	<b>FLASH ORAL SESSION (GT11 &amp; GT02)</b> <b>Chair: J. J. Ortega-Calvo (IRNAS-CSIC)</b>
17:10-17:15	FLASH GT11-1: J. Antunes et al. INIAV, Oeiras (Portugal) #317. SPINACH MAINTAINS PRODUCTIVITY UNDER SALINE IRRIGATION AND ACHIEVES LONGER ROOTS.
17:15-17:20	FLASH GT11-2: D. Rossi et al. Univ. degli studi di Milano-Bicocca (Italy) #400. FROM IMPACTED TO REUSABLE: DEFINING THE ECOLOGICAL POTENTIAL OF BIOREMEDIATED SOILS.
17:20-17:25	FLASH GT11-3: J. Ivelic-Sáez et al. Univ. Austral de Chile, Punta Arenas (Chile) #357. SOIL PHYSICAL RESPONSES TO GRAZING AND VEGETATION HETEROGENEITY IN THE PATAGONIAN STEPPE: ASSESSING DEGRADATION AND RESILIENCE AT MULTIPLE SPATIAL SCALES.
17:25-17:30	FLASH GT11-4: A. Bouajila et al. Gabès Univ. (Tunisia) #647. LAND USE IMPACTS ON SOIL ORGANIC AND INORGANIC CARBON SEQUESTRATION IN ARID REGIONS OF TUNISIA.
17:30-17:35	FLASH GT11-5: C. Alcántara. KEPLER, Ing. y Ecogestión, Sevilla (Spain) #592. THE POTENTIAL OF FUNGAL APPLICATION DURING THE TREATMENT OF TPH AND HTF-CONTAMINATED SOILS IN BIOPILES AS BIOREMEDIATION STRATEGY.
17:35-17:40	FLASH GT11-6: M. Ghassan et al. Mohammed VI Polytech. Univ., Benguerir (Morocco) #615. GEOSTATISTICAL FUSION OF FIELD AND REMOTE SENSING DATA FOR ASSESSING SOIL SALINITY IN SOUTHERN REGION OF MOROCCO.
17:40-17:45	FLASH GT02-1: S. Singh et al. Material Res. Center, Jaipur (India) #653. WHITE LIGHT EMISSION FROM A MIXTURE OF CARBON DOTS AND GOLD NANOCCLUSERS AND ITS APPLICATION FOR OPTICAL DETECTION OF $Hg^{2+}$ AND $Fe^{2+}$ IONS.
<b>19:00-21:00</b>	<b>WELCOME CONCERT &amp; SPANISH WINE</b>

# MEZQUITA Hall (Auditorium F, First floor)

## Monday 8<sup>th</sup>

<b>11:30- 13:00</b>	<b>SESSION: GT05. SOIL HYDROLOGY &amp; EROSION</b> <b>Chair: S. Borivoj (Palacky Univ)</b>
11:30-11:45	ORAL 01: B. Sarapatka and M. Bednar. Palacký Univ., Olomouc (Czech Republic) #148. DIFFERENTIAL EROSION PATTERNS IN CHERNOZEMS AND CAMBISOLS: IMPACT OF SLOPE MORPHOLOGY AND IMPLICATIONS FOR STRIP CROPPING DESIGN.
11:45-12:00	ORAL 02: V. C. Steve Ubah. Federal Univ. of Technol. Owerri (Nigeria) #258. THE HYDROLOGY AND SEDIMENT ANALYSIS AT SELECTED LOCATIONS OF IMO RIVER, IMO STATE, IN SOUTHEASTERN NIGERIA.
12:00-12:15	ORAL 03: D. U. Schwarze et al. Univ. of Hamburg (Germany) #324. HOW SOIL ORGANIC MATTER, HYDROPHOBICITY AND HYSTERESIS INTERACT IN SANDY SOILS.
12:15-12:30	ORAL 04: A. Bargués-Tobella et al. Agrotecno - CERCA Center, Lleida (Spain) #381. FIELD-SATURATED SOIL HYDRAULIC CONDUCTIVITY ACROSS SUB-SAHARAN AFRICA: FROM CONTINENTAL PATTERNS TO FILLING DATA GAPS IN GRASSY BIOMES.
12:30-12:45	ORAL 05: A. L. Collins et al. Rothamsted Research, Okehampton (United Kingdom) #390. AGRICULTURAL LAND LACKS RESISTANCE TO WATER EROSION DURING THE WETTEST WINTERS OF THE LAST DECADE.
12:45-13:00	ORAL 06: B. K. Bellingham. Stevens Water Monitoring Systems, Inc., Portland (United States) #582. SOIL WATER RETENTION CURVE USING A DIELECTRIC PERMITTIVITY REGRESSION.
<b>13:00-14:30</b>	<b>LUNCH + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>14:30-16:00</b>	<b>SESSION: GT12. SOIL NATURAL HAZARDS: FIRES, FLOODINGS, LANDSLIDES</b> <b>Chair: N. T. Jiménez-Morillo (IRNAS-CSIC)</b>
14:30-14:45	ORAL 01: R. Ortega-Pérez et al. Univ. of Almería (Spain) #116. ASSESSMENT OF THE RESILIENCE OF MEDITERRANEAN SEMI-ARID SOILS TO LOW INTENSITY FIRES TO VALIDATE PRESCRIBED BURNING AS A WILDFIRE PREVENTION TOOL.
14:45-15:00	ORAL 02: S. Negri et al. Univ. of Torino, Grugliasco (Italy) #330. POST-WILDFIRE CHANGES IN SOIL CHEMISTRY AND WATER REPELLENCY IN THE EUROPEAN ALPS: A MID-TERM CASE STUDY.
15:00-15:15	ORAL 03: F. Scarciglia et al. Univ. della Calabria, Rende (Italy) #430. ARE SOIL FEATURES AND PEDOGENIC PROCESSES PREDISPOSING FACTORS OF SHALLOW LANDSLIDES? SOME RESULTS FROM THE ONGOING PROJECT SOIL SHADES.
15:15-15:30	ORAL 04: P. Napoletano et al. Univ. of Florence (Italy) #631. SOIL RESPONSE TO MICROPLASTICS FOLLOWING WILDFIRE: INSIGHT FROM A SOIL COLUMN EXPERIMENT.
15:30-15:45	ORAL 05: S. Vingiani et al. Univ. of Naples Federico II, Portici (Italy) #414. CHEMICAL SOIL PROPERTIES AND PEDOGENETIC INDICES AS KEY FACTORS TO IDENTIFY SOIL DISCONTINUITIES ACTING AS POTENTIAL FAILURE SURFACES OF SHALLOW LANDSLIDES IN A PILOT CATCHMENT OF THE CALABRIA REGION (SOUTHERN ITALY).
15:45-16:00	ORAL 06: A. Girona-García et al. IMIB-CSIC-Univ. of Oviedo, Mieres (Spain) #271. THE ROLE OF POST-FIRE SOIL EROSION IN THE CARBON CYCLE.
<b>16:00-16:30</b>	<b>EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>16:30-17:05</b>	<b>FLASH ORAL SESSION (GT09)</b> <b>Chair: M. S. Rodríguez-Cruz (IRNASA-CSIC)</b>
16:30-16:35	FLASH GT09-1: J. Bravo-García et al. Evenor-Tech, Sevilla (Spain) #713. SPATIOTEMPORAL MONITORING OF CARBON DYNAMICS AND TRACE ELEMENTS MODELLING IN-SITU AND EARTH OBSERVATION DATA.
16:35-16:40	FLASH GT09-2: M. Mazzon et al. Univ. of Bologna (Italy) #308. SOIL HEALTH IN DIFFERENT EXPERIMENTAL FIELDS: THE APPLICATION OF THE SOIL QUALITY INDEX AS AN INTEGRATED TOOL FOR SOIL MONITORING.
16:40-16:45	FLASH GT09-3: R. Daenen et al. Ghent Univ. (Belgium) #346. EFFECTS OF MINERAL NITROGEN FERTILIZATION ON SOIL HEALTH INDICATORS: A CASE STUDY FOR THE LONG-TERM BROADBALK EXPERIMENT.
16:45-16:50	FLASH GT09-4: I. Eischeid and M. Bajard. NIBIO, Kapp (Norway) #447. COMPARATIVE IN-FARM SOIL HEALTH STUDY OF CONSERVATION AGRICULTURE FARMS AND THEIR CONVENTIONAL NEIGHBOURS.
16:50-16:55	FLASH GT09-5: C. Ganilho et al. Univ. of Porto (Portugal) #770. SOIL HEALTH IN VINEYARDS: THE SENSITIVITY OF SOIL BIOLOGICAL INDICATORS TO MANAGEMENT PRACTICES AT QUINTA DO CASAL DA GRANJA, PORTUGAL.
16:55-17:00	FLASH GT09-6: S. Godoy del Olmo. ENVISUELOS, Madrid (Spain) #279. SOIL QUALITY ASSESSMENT IN PARKS AND GARDENS OF VITORIA-GASTEIZ.
17:00-17:05	FLASH GT09-7: A. Saari et al. Univ. of Helsinki (Finland) #728. IMPACTS OF REDUCED DITCH NETWORK MAINTENANCE ON ECOSYSTEM SERVICES OF PEATLAND FORESTS IN FINLAND.

<b>17:15-18:00</b>	<b>FLASH ORAL SESSION (GT10)</b> <b>Chair: J. Aguilera-Huertas (Univ. Córdoba)</b>
17:15-17:20	FLASH GT10-1: G. Nascimento et al. Agrotecnio, Lleida (Spain) #174. WINTER COVER CROPS IMPROVE SOIL ORGANIC CARBON AND AGGREGATION IN MEDITERRANEAN RICE SYSTEMS.
17:20-17:25	FLASH GT10-2: F. Palmeira-Gabetto et al. LNBR/CNPEM, Campinas (Brazil) #577. EXPLORING THE RELATIONSHIP BETWEEN BIOCHAR FUNCTIONAL GROUPS AND SOIL CARBON MINERALIZATION DYNAMICS AND PRIMING EFFECT.
17:25-17:30	FLASH GT10-3: G. Sumaila et al. 1. Univ. College Dublin (Ireland) #839. EVALUATION OF DECISION SUPPORT TOOLS FOR THE ESTIMATION OF SOIL CARBON STOCK CHANGE UNDER SUSTAINABLE SOIL MANAGEMENT PRACTICES.
19:30-17:35	FLASH GT10-4: E. Pihlap et al. Swedish Univ. of Agric. Sci., Uppsala (Sweden) #605. SOIL STRUCTURE FORMATION MEDIATED BY ORGANIC MATTER AND SHORT-RANGE ORDER ALUMINUM PHASES.
17:35-17:40	FLASH GT10-5: M. Ilyas et al. CREA, Rome (Italy) #313. ENHANCING CARBON SEQUESTRATION IN ITALIAN SOILS THROUGH REGENERATIVE AGRICULTURE: A REGIONAL COMPARATIVE STUDY.
17:40-17:45	FLASH GT10-6: K. Ilmari and E. Vanguelova. Forest Res., Edinburgh & Farnham (United Kingdom) #701. CARBON SEQUESTRATION AND AMMONIA ABATEMENT IN POULTRY AGROFORESTRY SYSTEMS.
17:45-17:50	FLASH GT10-7: A. Ehlinger et al. Univ. of Turin, Grugliasco (Italy) #432. SHIFTS IN MICROBIAL CUE AS A FUNCTION OF AVAILABLE ORGANIC C RESOURCES AND ELECTRON ACCEPTORS UNDER CHANGING SOIL REDOX CONDITIONS.
17:50-17:55	FLASH GT10-8: J. Brzozon et al. Albert-Ludwigs-Univ. Freiburg (Germany) LASH GT10-X: J. Brzozon et al. Albert-Ludwigs-Univ. Freiburg (Germany) #560. SPATIO-TEMPORAL CONTROLS OF SOIL RESPIRATION IN A MIXED FOREST IN THE SOUTHWESTERN FOOTHILLS OF THE BLACK FOREST (GERMANY).
17:55-18:00	FLASH GT10-9: L. B. Martínez-García et al. EEAD-CSIC, Zaragoza (Spain) #564. LEGUME COVER CROPS AND NON-TILLAGE ENHANCE SOIL MICROBIAL FUNCTIONAL DIVERSITY IN A SEMI-ARID BARLEY SYSTEM UNDER SUMMER RAIN PULSES.
<b>19:00-21:00</b>	<b>WELCOME CONCERT &amp; SPANISH WINE</b>



***TUESDAY 9<sup>th</sup> SEPTEMBER 2025***

## AL' ANDALUS Auditorium (Main Auditorium A, Ground floor)

### Tuesday 9<sup>th</sup>

<b>09:00-09:45</b>	<b>PLENARY CONFERENCE</b> <b>Beneath the Surface, Beyond the Targets: Soil Carbon Science for EU Policies Development</b> <b>Dr. Claire Chenu INRAE-AgroParisTech, France</b>
<b>09:45-11:00</b>	<b>SESSION: GT09. SOIL HEALTH</b> <b>Management and Climate Strategies I</b> <b>Chair: C. Chenu (INRAE-AgroParis Tech.)</b>
09:45-10:00	ORAL 13: O. Heller et al. Agroscope, Zürich (Switzerland) #234. SOIL MANAGEMENT IMPACTS ON SOIL STRUCTURAL PROPERTIES IN TEN EUROPEAN LONG-TERM EXPERIMENTS.
10:15-10:30	ORAL 14: A. C. Royer et al. CIMO, LA SusTEC, Inst. Politécnico Bragança (Portugal) #157. IMPROVING SOIL HEALTH THROUGH NATURE-BASED SOLUTIONS: THE EFFECTS OF OLIVE-POMACE-BASED COMPOSTS.
10:30-10:45	ORAL 15: G. Bertoldo et al. Univ. Padova (Italy) #756. AGRIVOLTAIC PANEL SHADING ALTERS SOIL NUTRIENT DYNAMICS AND MICROBIAL COMMUNITIES.
10:45-11:00	ORAL 16: V. G. Correia et al. NOVA Univ. Lisbon, Caparica (Portugal) #814. PESTICIDE-CONTAMINATED SOILS: A TRIAD-BASED STRATEGY FOR SOIL HEALTH AND LAND RESTORATION.
<b>11:00-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>12:00-13:00</b>	<b>SESSION: GT09. SOIL HEALTH</b> <b>Management and Climate Strategies II</b> <b>Chair: D. Sauer (Univ. of Goettingen; DBG President)</b>
12:00-12:15	ORAL 17: I. Vogeler et al. Aarhus Univ., Tjele (Denmark) #382. SET-ASIDE LAND: A TOOL FOR SUSTAINABLE AGROECOSYSTEMS.
12:15-12:30	ORAL 18: S. El Farricha et al. Bouygues Travaux Publics Région France, Paris (France) #33. REUSING EXCAVATED SOILS AND CONSTRUCTION MATERIALS TO RESTORE SOIL FUNCTIONALITY AND ENHANCE SUSTAINABILITY: A CROSS-DISCIPLINARY EXPERIMENTAL APPROACH AT CHALLENGER.
12:30-12:45	ORAL 19: M. S. Sümmerner et al. Inst. Agroecol. & Org. Farming; Freising (Germany) #405. IS ORGANIC FARMING A PATHWAY TO CLIMATE-RESILIENT SOILS?
12:45-13:00	ORAL 20: P. Napoletano et al. Univ. Florence (Italy) #680. GRAZING PRESSURE MEETS FOREST INTEGRITY: SOIL RESPONSE TO WILD UNGULATES IN THE SASSO FRATINO UNESCO INTEGRAL OLD-GROWTH FOREST (ITALY).
<b>13:00-14:30</b>	<b>LUNCH + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>14:30-16:00</b>	<b>SESSION: GT09. SOIL HEALTH</b> <b>Monitoring Networks and Data Platforms</b> <b>Chair: A. McBratney (Univ. of Sydney)</b>
14:30-14:45	ORAL 21: L. F. Bentley et al. UKCEH, Bangor (United Kingdom) #160. LESSONS FROM 5 DECADES OF NATIONAL SOILS MONITORING IN GREAT BRITAIN.
14:45-15:00	ORAL 22: C. T. Omuto et al. Univ. Nairobi (Kenya) #240. THE AFRICA UNION SOIL OBSERVATORY (AUSO): A CONTINENTAL APPROACH TO SUPPORTING SOIL HEALTH AND AGRICULTURAL SUSTAINABILITY IN AFRICA.
15:00-15:15	ORAL 23: F. J. Blanco-Velázquez et al. Evenor-Tech, Seville (Spain) #712. DIGITALISING SOIL HEALTH INVESTMENT BY DATA INTEGRATION FROM BUSINESS MODELS. THE CASE STUDY OF TAMARGUILLO PARK (SEVILLE, SPAIN) IN THE FRAMEWORK OF THE NOVASOIL PROJECT.
15:15-15:30	ORAL 24: S. Shome et al. ZALF, Müncheberg (Germany) #369. REQUIREMENTS FOR DEVELOPING A FUTURE MONITORING, REPORTING, AND VERIFICATION (MRV) APPROACH FOR SOIL HEALTH: LESSONS LEARNED FROM THE FRENCH AND GERMAN NATIONAL SOIL MONITORING NETWORKS.
15:30-15:45	ORAL 25: B. K. Lankhorst. HAL24K Agri, Amsterdam (The Netherlands) & CEN/TC 444, Brussels (Belgium) #507. HARMONIZATION OF SOIL HEALTH DATA.
15:45-16:00	ORAL 26: L. R. Roder et al. Univ. degli Studi di Sassari (Italy) #802. SOILS4MED SOIL MONITORING SYSTEM: DEVELOPING AN OPTIMIZED APPROACH FOR CAPTURING THE SOIL AND LANDSCAPE VARIABILITY OF THE MEDITERRANEAN REGION.
<b>16:00-16:30</b>	<b>COFFEE + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>

<b>16:30-17:00</b>	<b>SESSION: GT09. SOIL HEALTH</b> <b>Monitoring Networks and Data Platforms (Cont.)</b>
16:30-16:45	ORAL 27: M. R. Cherubin et al. Univ. São Paulo, Piracicaba (Brazil) #181. CENTER FOR CARBON RESEARCH IN TROPICAL AGRICULTURE (CCARBON): RESEARCH AND INNOVATIONS ON SOIL HEALTH.
16:45-17:00	ORAL 28: V. Álvarez-López et al. Univ. A Coruña (Spain) #520. MONITORING SOIL FUNCTIONALITY IN TWO CROP TYPES -ANNUAL MAIZE AND PERENNIAL GRASSLAND- UNDER DIFFERENT AGRONOMIC MANAGEMENT PRACTICES.
<b>17:00-18:00</b>	<b>SESSION: GT09. SOIL HEALTH</b> <b>Physical Structure and Hydrology</b> <b>Chair: L. R. Roder (Univ. degli Studi di Sassari)</b>
17:00-17:15	ORAL 29: P. Davis et al. Clemson Univ. (USA) #801. CAN COVER CROPS INFLUENCE SOIL WATER REPELLENCY IN SOUTHERN UNITED STATES SOILS?
17:15-17:30	ORAL 30: E. L. Rieke et al. Soil Health Institute, Morrisville (United States) #783. MEASURING AND INTERPRETING SOIL AGGREGATE STABILITY AT SCALE VIA SLAKING IMAGE ANALYSIS.
17:30-17:45	ORAL 31: F. M. Vanwindekens et al. Wallonie Recherche CRA-W, Gembloux, (Belgium) #685. THE QUANTISLAKETEST APPROACH FOR MEASURING SOIL STRUCTURAL STABILITY: INSIGHTS FROM NINE YEARS OF APPLICATION AND RECENT DEVELOPMENT.
17:45-18:00	ORAL 32: Y. Munetiko et al. Univ. A Coruña (Spain) #171. EFFECTS OF LAND USE, AGGREGATE SIZE AND SOIL DEPTH ON AGGREGATE STABILITY AND ENZYMATIC ACTIVITIES IN A SILVOPASTORAL SYSTEM.

# ITALICA Auditorium (Auditorium B, First floor)

## Tuesday 9<sup>th</sup>

09:00-09:45	<b>PLENARY CONFERENCE</b> Educating for a sustainable future: environmentally liveable, economically viable and humanly equitable Dr. Laura Bertha Reyes Sánchez, Universidad Nacional Autónoma de México
09:45-11:00	<b>EUSO 5<sup>th</sup> Stakeholders Forum</b> Chairs: To be confirmed
09:45-10:00	SPEECH 01: Introductory speech 1
10:00-10:15	SPEECH 02: Introductory speech 2
10:15-10:30	ORAL 01: J. S. Gutierrez-Díaz et al. Aarhus Univ., Foulum (Denmark) #585. DEVELOPING A BARE SOIL COMPOSITE TO IMPROVE SOIL ORGANIC CARBON MAPPING IN DENMARK.
10:30-10:45	ORAL 02: J. Jonczak et al. Warsaw Univ. of Life Sci. (Poland) #192. GRÓJEC LIVING LAB: CO-CREATION FOR SUSTAINABLE SOIL MANAGEMENT IN PRACTICE.
10:45-11:00	ORAL 03: A. Peiro et al. Ibercivis Foundation, Zaragoza (Spain) #235. TOWARDS HEALTHIER SOILS THROUGH ECHO: CITIZEN ENGAGEMENT, PROGRESS AND PRELIMINARY RESULTS.
11:00-12:00	<b>COFFEE + EXPO + POSTERS SESSION 1</b> (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 & 17)
12:00-13:00	<b>EUSO 5<sup>th</sup> Stakeholders Forum</b> Chair:
12:00-12:15	ORAL 04: P. Madejón et al. IRNAS-CSIC, Seville (Spain) #438. MULTI-SCALE SPECTRAL MAPPING, RISK ASSESSMENT, AND PHYTOMANAGEMENT INNOVATIONS IN THE EDAPHOS PROJECT.
12:15-12:30	ORAL 05: R. Guiu-Sans et al. Eurecat, Centre Tecnològic de Catalunya, Tarragona (Spain) #389. DEVELOPMENT AND OPTIMIZATION OF HIGHLY EFFECTIVE AND INNOVATIVE BIOSTIMULANT GRANULATES FORMULATIONS FOR HORTICULTURE.
12:30-12:45	ORAL 06: P. Di Lonardo et al. Wageningen Univ. y and Res. (The Netherlands) #443. RETHINKING SOIL HEALTH IN URBAN SYSTEMS: INSIGHTS FROM RESEARCH TRENDS AND FIELD IMPLEMENTATION.
12:45-13:00	ORAL 07: F. Yunta et al. EC-JRC, Ispra (Italy) #746. SOLACE PROJECT: UNDERSTANDING THE LINKS BETWEEN SOIL POLLUTION AND CANCER IN EUROPE.
13:00-14:30	<b>LUNCH + EXPO + POSTERS SESSION 1</b> (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 & 17)
14:30-16:00	<b>EUSO 5<sup>th</sup> Stakeholders Forum</b> Chair:
14:30-14:45	ORAL 08: S. Raous et al. French Soil Science Society, Orleans (France) #347. TOWARDS A EUROPEAN SOIL LITERACY PORTAL.
14:45-15:00	ORAL 09: J. A. Coblinski and G. Siebielec. Inst. of Soil Sci. and Plant Cultivation, Pulawy (Poland) #518. NBISOIL ACADEMY: TRAINING SOIL ADVISORS TO PROMOTE SOIL HEALTH ACROSS EUROPE.
15:00-15:15	ORAL 10: M.R. Mosquera-Losada et al. Univ. de Santiago de Compostela, Lugo (Spain) #459. STRENGTHENING SUBSOIL HEALTH THROUGH SUS-SOIL FOR RESILIENT ECOSYSTEMS AND SUSTAINABLE LAND USE.
15:15-15:30	ORAL 11: A. J. Manzaneda. Univ de Jaén (Spain) #553. DRIVERS OF SOIL HEALTH OF OLIVE GROVES AND THEIR IMPACT ON THE SUSTAINABLE PRODUCTION OF OLIVE OIL IN THE MEDITERRANEAN.
15:30-15:45	ORAL 12: R. Giurgiu et al. Flanders Res. Inst. for Agric., Fish. & Food, Merelbeke-Melle (Belgium) #575. SOILWISE: ADVANCING A FAIR DATA AND KNOWLEDGE INFRASTRUCTURE FOR HEALTHIER SOILS IN EUROPE.
15:45-16:00	ORAL 13: A. Vannuccini et al. ANCI Toscana, Florence (Italy) #611. FROM PILOTS CASES TO POLICIES: THE HUMUS PROJECT EXPERIENCE IN PARTICIPATORY SOIL GOVERNANCE. ORAL 14: D. Cammarano. Aarhus Univ., Tjele (Denmark) #442. MULTI-FACETED BIODIVERSITY INTEGRATION FOR A HEALTHY SOIL AND RESILIENT CROP MANAGEMENT.  ORAL 15: R. Pereira et al. GreenUPorto/INOV4Agro & Univ. of Porto (Portugal) #829. CHALLENGES OF SOIL MONITORING AT LIVING LABS ON PERMANENT CROPS.
16:00-16:30	<b>COFFEE + EXPO + POSTERS SESSION 1</b> (POSTERS EUSO, 1,2,5,8,9,10,11,12 and 17)

<b>16:30-19:00</b>	<b>SESSION: GT17.2. Digital Soil Mapping and Innovative Soil Monitoring Systems in the EU</b> <b>Chairs:</b> C. Schillaci, L. Sánchez-Álvarez, P. Panagos (JRC Forest & bioeconomy, EU)
16:30-16:45	ORAL 01: C. Schillaci et al. EC-JRC, Ispra (Italy) #763. FROM EMPIRICAL TO REGRESSION-BASED PTF FOR THE CONVERSION OF 1:5 DILUTED ELECTRICAL CONDUCTIVITY TO SATURATED ECE.
16:45-17:00	ORAL 02: J. J. Jiménez et al. IPE-CSIC, Jaca (Spain) #205. EFFECT OF ABANDONED RURAL SETTLEMENTS RESTORATION ON ECOSYSTEM SERVICES: TOWARDS A SUSTAINABLE ECOLOGICAL TRANSITION IN RURAL AREAS.
17:00-17:15	ORAL 03: K. Rau et al. Univ. of Tübingen (Germany) #220. QUANTIFYING SPATIAL UNCERTAINTY TO IMPROVE THE PREDICTION OF SOIL PROPERTIES IN DATA-SPARSE REGIONS.
17:15-17:30	ORAL 04: R. Lang et al. Swedish Univ. of Agric. Sci., Uppsala (Sweden) #340. LAND COVER CLASSIFICATION EFFECT ON SOIL MONITORING: A COMPARATIVE ANALYSIS OF LUCAS AND SWEDISH NATIONAL INVENTORY ON AGRICULTURAL SOILS.
17:30-17:45	ORAL 05: G. Winkler and T. Pinto-Correia. Univ. of Ferrara (Italy) & Univ. of Evora (Portugal) #386. UNVEILING PLURAL VALUES IN SOIL MANAGEMENT: A CASE STUDY FROM THE MONTADO AGRO-SILVO-PASTORAL SYSTEM IN PORTUGAL.
17:45-18:00	ORAL 06: C. Chartin et al. Walloon Agric. Res. Centre, Gembloux (Belgium) #503. TRACKING SOIL PROPERTIES CHANGES FROM LEGACY SURVEY TO MODERN MONITORING SYSTEMS THROUGH SPATIAL ANALYSIS – CASE OF WALLONIA, SOUTHERN BELGIUM.
18:00-18:15	ORAL 07: I. Ortiz-Bernad et al. Univ. of Granada (Spain) #574. GRANADA TIERRA VIVA: MAPPING SOIL ISSUES IN SOUTHWEST EUROPE.
18:15-18:30	ORAL 08: D. M. Ribeiro et al. Food4Sustainability – Associação para a Inovação no Alimento Sustentável, Idanha-A-Nova (Portugal) #594. THE LILAS4SOILS PROJECT: CARBON FARMING IN THE MEDITERRANEAN REGION.
18:30-18:45	ORAL 09: P. Zdruli et al. CIHEAM Medit. Agron. Inst. of Bari, Valenzano (Italy) #71. THE ROLE OF EU SOIL DEAL FOR EUROPE MISSION AND SOILS4MED PROJECT TO PROMOTE SOIL HEALTH.
18:45-19:00	ORAL 10: X. Rotllan-Puig et al. LifeWatch ERIC, Seville (Spain) #771. EMPOWERING SOIL RESEARCH THROUGH VIRTUAL RESEARCH ENVIRONMENTS: LIFEWATCH ERIC SERVICES UNDER THE AGROSERV AND SUS-SOIL PROJECTS.



**RONDA Hall (Auditorium C, First floor)****Tuesday 9<sup>th</sup>**

<b>09:45-11:00</b>	<b>SESSION: GT10. SOIL C DYNAMICS &amp; STABILIZATION</b> <b>Carbon Characterization at the Pedon to Micro Scale, and Linking to the Landscape Scale I</b> <b>Chair: S. O'Rourke (Univ. College Dublin)</b>
09:45-10:00	ORAL 19: W. Zhao et al. OGU, Univ. of Bristol (United Kingdom) #75. MONITORING UPTAKE OF ROOT-DERIVED CARBON INTO THE SOIL CARBON POOL AND MICROBIAL COMMUNITY USING STABLE ISOTOPE PROBING OF VOLATILE ORGANIC COMPOUNDS (SIP-VOC) AND SIP-PLFA ANALYSIS.
10:00-10:15	ORAL 20: A. C. et al. Texas A&M Univ., Overton (USA) #453. ADVANCING MODELS FOR ESTIMATING SOIL ORGANIC CARBON DEFICITS USING LEGACY-DATA-DRIVEN DYNAMIC BASELINE AND ATTAINABLE PROJECTIONS.
10:15-10:30	ORAL 21: C. O'Connor et al. Swedish Univ. Agricultural Scie., Uppsala (Sweden) #549. PARAMETRIZATION OF SOIL ORGANIC CARBON MODELS CONSTRAINED BY 12C, 13C AND 14C SIGNATURES USING DATA FROM A LONG-TERM FIELD EXPERIMENT.
10:30-10:45	ORAL 22: M. Möller et al. Thünen Inst. Forest Ecosy., Eberswalde (Germany) #274. SPATIAL PATTERNS OF SOIL ORGANIC CARBON IN GERMAN FORESTS: APPLICATION OF RANDOM FORESTS FOR DIGITAL SOIL MAPPING.
10:45-11:00	ORAL 23: T. Petropoulos et al. IBO-CERTH, Thessaloniki (Greece) #351. SOIL ORGANIC CARBON ASSESSMENT: MAXIMIZING SPATIAL KNOWLEDGE FROM SOIL SURVEYS.
<b>11:00-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>12:00-13:00</b>	<b>SESSION: GT10. SOIL C DYNAMICS &amp; STABILIZATION</b> <b>Carbon Characterization at the Pedon to Micro Scale, and Linking to the Landscape Scale II</b> <b>Chair: G. Abbott (Newcastle University)</b>
12:00-12:15	ORAL 24: O. Ozkiper et al. Aarhus Univ., Tjele (Denmark) #175. ENHANCING SOC MODEL PERFORMANCE FOR CARBON FARMING USING LONG-TERM EXPERIMENTS.
12:15-12:30	ORAL 25: A. Gorbacheva et al. HSE Univ., Moscow (Russia) #669. ORGANIC CARBON SEQUESTRATION POTENTIAL OF RUSSIAN CHERNOZEMS: A COMPARATIVE STUDY OF NET PRIMARY PRODUCTION METHODS.
12:30-12:45	ORAL 26: N. Gartzia-Bengoetxea et al. NEIKER, Derio (Spain) #714. ANALYTICAL UNCERTAINTY IN SOC AND SIC DETERMINATION: IMPLICATIONS FOR CARBON CERTIFICATION FRAMEWORKS.
12:45-13:00	ORAL 27: C. A. Torres Guerrero et al. Beta Tech Centre, UVIC-UCC, Vic (Spain) #409. ADVANCING MEDITERRANEAN CARBON FARMING THROUGH DIGITAL TOOLS AND PREDICTIVE MODELLING.
<b>13:00-14:30</b>	<b>LUNCH + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>14:30-16:00</b>	<b>SESSION: GT10. SOIL C DYNAMICS &amp; STABILIZATION</b> <b>Management Practices and Soil Health</b> <b>Chair: R. Poch (Univ. Lleida)</b>
14:30-14:45	ORAL 28: U. M. Sainju et al. USDA, Sidney (USA) #72. CROP ROTATION AND SEQUENCE OF CROPS IN THE ROTATION INFLUENCE SOIL CARBON AND NITROGEN.
14:45-15:00	ORAL 29: L. F. Bentley et al. UKCEH, Bangor (United Kingdom) #159. FIRST SIGNS THAT NATIONAL CROPLAND ORGANIC CARBON LOSS IS REVERSING IN BRITISH TOPSOILS.
15:00-15:15	ORAL 30: J. Heinonsalo. Univ. of Helsinki (Finland) #326. FROM PROCESS STUDIES TO FIELD TRIALS: LESSONS LEARNED FROM C FARMING EXPERIMENTATION IN FINLAND.
15:15-15:30	ORAL 31: A. Zhartybayeva et al. Aarhus Univ., Tjele (Denmark) #176. THE QUALITY OF ORGANIC MATTER INPUT AFFECTS THE DECOMPOSITION OF SOC: EVIDENCE FROM A C3-TO-C4 CONVERSION EXPERIMENT.
15:30-15:45	ORAL 32: W. K. P. Ng et al. Hartpury Univ., Gloucester (United Kingdom) #223. DIFFERENCES IN SOIL ORGANIC CARBON AND PLANT PROPERTIES AMONG AGRICULTURAL LAND TYPES USING REAL-TIME NEAR-INFRARED SPECTROSCOPY.
15:45-16:00	ORAL 33: A. M. Castellon Meyrat et al. EAGASC, Johnstown Castle, Wexford (Ireland) #298. IMPACT OF MANAGEMENT INTENSITY OF AGRICULTURAL SYSTEMS ON SOIL ORGANIC CARBON STOCKS.

<b>16:30-18:00</b>	<b>SESSION: GT10. SOIL C DYNAMICS &amp; STABILIZATION</b> <b>Effects of Soil C Content in Soil Health</b> <b>Chair: Ian Bull (Bristol University)</b>
16:30-16:45	ORAL 34: Z. Ghasemzadeh et al. The Univ. of Adelaide, Adelaide (Australia) #423. FE-MEDIATED STABILISATION OF RHIZODEPOSITED CARBON AND ITS INFLUENCE ON SOIL STRUCTURE IN POORLY STRUCTURED SOILS.
16:45-17:00	ORAL 35: Z. Yu et al. Chinese Academy of Sci., Changchun (China) #562. NATURE AND CONTROLS OF MINERAL-ASSOCIATED ORGANIC MATTER IN PHAEZEMS (BLACK SOILS) OF NORTHEAST CHINA.
17:00-17:15	ORAL 36: A- Yudina et al. V.V. Dokuchaev Soil Sci. Inst., Moscow (Russia) #757. MICRO- WITHIN MACRO: HOW MICRO-AGGREGATION SHAPES THE SOIL PORE SPACE AND WATER-STABILITY.
17:15-17:30	ORAL 37: M. Mdaini et al. ETSI, Univ. Politéc. de Cartagena (Spain) #323. SOIL ORGANIC CARBON DYNAMICS UNDER INCREASED SALINITY AND TEMPERATURE IN SEMIARID IRRIGATED SOILS.
17:30-17:45	ORAL 38: T. Kätterer & M. A. Bolinder. Swedish Univ. Agric. Sci., Uppsala (Sweden) #261. IMPROVED SOIL STRUCTURE ALONG A GRADIENT OF SOIL ORGANIC C CONTENT IDENTIFIED AS THE MAIN DRIVER OF YIELD AND YIELD STABILITY RESPONSES.
17:45-18:00	ORAL 39: S. Kabiri et al. Univ. College Dublin (Ireland) #797. EFFECT OF MINIMUM TILLAGE AND NUTRIENT SUPPLEMENTATION TO INCORPORATED STRAW AND THEIR IMPACT ON SOIL ORGANIC MATTER AND STRUCTURE.
<b>18:00-19:00</b>	<b>Spanish Society of Soil Sciences (SECS) GENERAL ASSEMBLY</b>

**BAHIA Hall (Auditorium D, First floor)****Tuesday 9<sup>th</sup>**

<b>09:45-11:00</b>	<b>SESSION: GT11. SOIL DEGRADATION, DESERTIFICATION,...</b> <b>Digital Tools and Monitoring</b> <b>Chair: R. Millán-Gómez (CIEMAT)</b>
09:45-10:00	ORAL 19: S. Pindral et al. Inst. of Soil Sci. and Plant Cultivation - State Res. Inst., Pulawy, (Poland) #810. INTEGRATION OF DIGITAL SOIL AND CROP HEALTH MONITORING SYSTEM: A COMBINED APPROACH FROM THE WHEATWATCHER PROJECT – A CASE STUDY OF SILESIA REGION.
10:00-10:15	ORAL 20: M. J. Márques et al. Univ. Autónoma de Madrid (Spain) #572. TARGETING AGRICULTURAL SOIL RECOVERY THROUGH LONG-TERM COVER CROPS IN MEDITERRANEAN WOODY CROPS: IMPACTS ON ORGANIC MATTER AND WATER AVAILABILITY.
10:15-10:30	ORAL 21: T. De Figueiredo et al. CIMO, LA SusTEC, Inst. Politécnico de Bragança (Portugal) #803. PERFORMANCE OF ESA-CCI-SM SATELLITE PRODUCT FOR ESTIMATING SOIL WATER DEFICIT: A CASE STUDY IN NE PORTUGAL.
10:30-10:45	ORAL 22: N. Cannone et al. Insubria Univ., Como (Italy) #502. ENHANCING URBAN GREEN MANAGEMENT FOR CLIMATE CHANGE MITIGATION: EFFECTS OF BIOCHAR ON SOIL CO <sub>2</sub> FLUX, CARBON STORAGE, AND WATER USE EFFICIENCY IN MONZA PARK.
10:45-11:00	ORAL 23: L. Cáceres-Jensen et al. Univ. Metropolitana de Ciencias de Educación, Santiago (Chile) #922. INTEGRATING CHEMOINFORMATIC AND MULTIVARIATE VOLCANIC ASH-DERIVED SOILS DATA MODELLING TO EXPLORE THE CHEMICAL SPACE OF SULFONYLUREA ADSORPTION.
<b>11:00-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>12:00-13:00</b>	<b>SESSION: GT11. SOIL DEGRADATION, DESERTIFICATION,...</b> <b>Amendments and Soil Remediation</b> <b>Chairs: A. Karczewska (Wroclaw Univ.) &amp; S. Norra (Univ. Karlsruhe)</b>
12:00-12:15	ORAL 24: C. Mourinha et al. DTCA, Inst. Politécnico de Beja (Portugal) #831. USE OF BIOMASS ASHES AND PAPER-MILL BIOLOGICAL SLUDGES IN THE REMEDIATION OF PYRITE MINE-CONTAMINATED SOILS: RESULTS FROM A 2-YEARS PILOT PLOT EXPERIMENT.
12:15-12:30	ORAL 25: T. Gentil et al. Univ. Montpellier, Marcoule, Bagnols-Sur-Cèze (France) #222. AQUEOUS FOAM GENERATED IN SITU FOR TOP SOIL REMEDIATION.
12:30-12:45	ORAL 26: B. Fernandes et al. GreenUPorto/INOV4Agro, (Portugal) #621. THE USE OF FOREST AND FOOD WASTES TO MITIGATE Cu CONTAMINATION IN VINEYARD SOILS.
12:45-13:00	ORAL 27: A. Sánchez-Poyal et al. INDUROT, Univ. of Oviedo (Spain) #304. ARTIFICIAL SOILS AS A PROMISING CDR AND LAND RESTORATION STRATEGY.
<b>13:00-14:30</b>	<b>LUNCH + EXPO + POSTERS SESSION 1 (POSTERS EUSO, 1,2,5,8,9,10,11,12 and 17)</b>
<b>14:30-16:00</b>	<b>SESSION: GT11. SOIL DEGRADATION, DESERTIFICATION,...</b> <b>Phytoremediation</b> <b>Chair: P. Alvarenga (ISA, Univ. Lisbon)</b>
14:30-14:45	ORAL 28: J. J. Ortega-Calvo et al. IRNAS-CSIC, Seville (Spain) #602. RISK-BASED DESIGN OF BIOREMEDIATION IN HYDROCARBON CONTAMINATED SITES TO DELIVER RESILIENT SOILS: BIOAVAILABILITY.
14:45-15:00	ORAL 29: S. Maletic et al. Univ. Novi Sad (Serbia) #573. SUSTAINABLE REMEDIATION OF DREDGED SEDIMENTS WITH ENERGY CROPS TARGETING ORGANIC CONTAMINANTS.
15:00-15:15	ORAL 30: A. L. - H. Sahraoui et al. Univ. du Littoral Côte d'Opale (ULCO), Calais (France) #38. PHYTOMANAGEMENT OF A TRACE ELEMENT-CONTAMINATED AGRICULTURAL SOIL USING AROMATIC AND MEDICINAL PLANTS TO PRODUCE ESSENTIAL OILS.
15:15-15:30	ORAL 31: A. Fernández-Guerrero et al. CEBAS-CSIC, Murcia (Spain) #719. STRESS RESPONSE OF BRASSICA JUNCEA AND SORGHUM BICOLOR TO POTENTIALLY TOXIC ELEMENTS PRESENT IN CONTAMINATED SOIL.
15:30-15:45	ORAL 32: K.-D. Seydou et al. Earth and Life Inst., UCLouvain, Louvain-La-Neuve (Belgium) #544. DO CONSERVATION AGRICULTURE PRACTICES IMPROVE SOIL QUALITY AND CROP PRODUCTIVITY? APPLICATION TO COTTON-MAIZE SYSTEMS IN NORTHERN BENIN.
15:45-16:00	ORAL 33: M. K. Isakovski et al. Univ. Novi Sad (Serbia) #671. PHYTOREMEDIATION OF TPH-CONTAMINATED SOIL USING HEMP AND SORGHUM.
<b>16:00-16:30</b>	<b>COFFEE + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>

<b>16:30-18:00</b>	<b>SESSION: GT11.3. Soil Degradation in Mining and Industrial Areas: Assessment, Remediation, and Prevention Strategies</b> <b>Chairs:</b> A. Molinero García (Univ. Huelva), A. Gómez-Arias (IRNAS-CSIC), R. Millán Becerro (Univ. Granada).
16:30-16:45	ORAL 34: M. Pietrzykowski et al. Univ. of Krakow (Poland) #88. CHANGES IN THE TECHNOSOLS PROPERTIES FOLLOWING THE AFFORESTATION OF CARBONIFEROUS PARENT ROCK MATERIAL ON THE POST-HARD COAL MINING SPOIL HEAP.
16:45-17:00	ORAL 35: R. Zornoza et al. Univ. Politéc. de Cartagena (Spain) #95. IMPROVEMENT OF SOIL HEALTH AND BIODIVERSITY THROUGH THE CREATION OF TECHNOSOLS IN TAILINGS PONDS.
17:00-17:15	ORAL 36: A. Aguilar-Garrido et al. ETSIA., Tech. Univ. of Cartagena (Spain) #529. CONSTRUCTED TECHNOSOLS ENHANCE BARLEY GROWTH AND REDUCE METAL UPTAKE IN POLLUTED SOILS.
17:15-17:30	ORAL 37: L. Uzarowicz et al. Warsaw Univ. of Life Sci., SGGW (Poland) #221. WEATHERING OF ARSENOPYRITE IN TECHNOSOLS ON THE STORCZYKOWA MINE DUMP NEAR THE HISTORICAL ARSENIC AND GOLD MINE IN ŻŁOTY STOK, SUDETY MTS. SW POLAND AND ITS IMPLICATIONS FOR SOIL CONTAMINATION WITH TOXIC TRACE ELEMENTS.
17:30-17:45	ORAL 38: A. Karczewska et al. Wrocław Univ. of Environ. and Life Sci. (Poland) #791. LEGAL REQUIREMENTS AND REMEDIATION STATUS OF THE SITES CONTAMINATED WITH TOXIC ELEMENTS – THE EXAMPLE OF SOILS POLLUTED WITH COPPER IN POLAND.
17:45-18:00	ORAL 39: L. A. Mansour et al. Mohammed VI Polytech. Univ., Benguerir (Morocco) #281. ASSESSMENT OF SPATIAL AND VERTICAL DISTRIBUTION OF HEAVY METALS IN AGRICULTURAL SOILS OF MIDLAND MOROCCO: ECOLOGICAL AND HEALTH RISK IMPLICATIONS.
<b>18:00-19:00</b>	<b>WORKSHOP 3. STEVENS + SOIL MOISTURE</b>

**MARISMAS Hall (Auditorium E, First floor)****Tuesday 9<sup>th</sup>**

<b>09:45- 11:00</b>	<b>SESSION: GT01. SOIL GENESIS, EVOLUTION &amp; CLASSIFICATION</b> <b>Soil Genesis, Properties, and Classification Challenges</b> <b>Chair: D. Badía (Univ. Zaragoza)</b>
09:45-10:00	ORAL 01: J. S. Deckers et al. KU Leuven, Winksele (Belgium) #6. ANTHROSOLS REVISITED.
10:00-10:15	ORAL 02: T. Magiera et al. Inst. of Environ. Eng., Polish Acad. Sci., Zabrze (Poland) #228. IS MAGNETIC SUSCEPTIBILITY USEFUL IN FOREST SOIL CLASSIFICATION?
10:15-10:30	ORAL 03: B. Grard et al. ISARA, Lyon (France) #639. EARLY PEDOGENESIS OF A YOUNG TECHNOSOL MADE FROM ORGANIC WASTES.
10:30-10:45	ORAL 04: R. Kasparinskis et al. Univ. of Latvia, Riga (Latvia) #514. POSTGLACIAL AGRICULTURAL LANDSCAPE SOILS - GENESIS, CLASSIFICATION AND MAPPING.
10:45-11:00	ORAL 05: P. Sowinski et al. Univ. of Warmia and Mazury in Olsztyn (Poland) #688. THE NEED TO UPDATE POLISH SOIL MAPS IN THE CONTEXT OF TRANSFORMATIONS OF ORGANIC SOILS.
<b>11:00-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>12:00-13:00</b>	<b>SESSION: GT01. SOIL GENESIS, EVOLUTION &amp; CLASSIFICATION</b> <b>Soils Though Time: From the Past to the Future I</b> <b>Chairs: F. Scarciglia (Univ. Calabria) &amp; F. Kurbanova (Inst. Geography RAS)</b>
12:00-12:15	ORAL 06: T Vanwallegghem. Univ. de Córdoba (Spain) #526. TOWARDS THIRD GENERATION SOIL FORMATION MODELS.
12:15-12:30	ORAL 07: D. Sauer et al. Univ. of Goettingen (Germany) #620. TIMING AND CAUSE OF THE ONSET OF ENHANCED EROSION-SEDIMENTATION DYNAMICS IN MONGOLIA - CLIMATIC SHIFT OR HUMAN IMPACT?
12:30-12:45	ORAL 08: P. Vidal-Torrado et al. Univ. of São Paulo, Piracicab (Brazil) #191. PEATLAND FORMATION AND COASTAL PLAIN EVOLUTION IN SOUTHEASTERN BRAZIL: UNRAVELING THEIR INTERCONNECTIONS.
12:45-13:00	ORAL 09: F. Zehetner et al. BOKU Univ., Vienna (Austria) #379. TEMPORAL EVOLUTION OF BIOSPHERIC AND WEATHERING-INDUCED C DRAWDOWN ALONG A ONE-MILLION-YEAR SOIL CHRONOSEQUENCE.
<b>13:00-14:30</b>	<b>LUNCH + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>14:30-16:00</b>	<b>SESSION: GT01. SOIL GENESIS, EVOLUTION &amp; CLASSIFICATION</b> <b>Soils Though Time: From the Past to the Future II</b> <b>Chairs: F. Scarciglia (Univ. Calabria) &amp; F. Kurbanova (Inst. Geography RAS)</b>
14:30-14:45	ORAL 10: N. Mergelov. Inst. of Geography RAS, Moscow (Russia) #635. PROTO-SOILS OF EXTREME ENVIRONMENTS: A WINDOW INTO PRECAMBRIAN MODES OF SOIL FORMATION.
14:45-15:00	ORAL 11: H. Zhen Hum and Z.-Y. Hseu. National Taiwan Univ., Taipei (Taiwan) #28. SIGNATURE AND FRACTIONATION OF RARE EARTH ELEMENTS IN SOIL CARBONATE NODULES ALONG A CHRONOSEQUENCE IN TAIWAN.
15:00-15:15	ORAL 12: C. Huguet et al. Dpt. of Environ. Sci. for Sustainability, Segovia (Spain) #479. RECONSTRUCTING PALEOCLIMATOLOGY IN LATE HOLOCENE IN KONAR SANDAL, SE IRAN USING BIOMARKERS IN PEAT SOILS.
15:15-15:30	ORAL 13: F. S. Bernardes-Ladeira et al. Unicamp, Campinas (Brazil) #576. COLLUVIUM-PEDOGENESIS RELATIONSHIP IN THE OPEN-AIR ARCHAEOLOGICAL SITE OF BASTOS (SÃO PAULO/BRAZIL): 13,000 YEARS OF SLOPE EVOLUTION.
15:30-15:45	ORAL 14: F. Kurbanova et al. Inst. of Geography RAS, Moscow (Russia) #640. PALEOSOL-SEDIMENT SEQUENCE AS ARCHIVE OF UPPER PALEOLITHIC ENVIRONMENTS OF THE KOSTENKI 17 SITE (VORONEZH REGION, RUSSIA).
15:45-16:00	ORAL 15: E. Z. Dobos et al. Univ. of Miskolc (Hungary) #824. SOIL FORMING ENVIRONMENT AND GENESIS OF THE WORLD SOIL OF THE YEAR 2025 – A GLEYSOIL FROM THE CARPATHIAN-BASIN.
<b>16:00-16:30</b>	<b>COFFEE + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>



<b>16:30-18:00</b>	<b>SESSION: GT01. SOIL GENESIS, EVOLUTION &amp; CLASSIFICATION</b> <b>Advances in Soil Mapping</b> <b>Chairs: S. Guerreiro (Univ. Lisboa) &amp; Andrea Vacca (Univ. Cagliari)</b>
16:30-16:45	ORAL 16: C. Kabala et al. Wroclaw Univ. of Environ. and Life Sci. (Poland) #195. DRIVERS OF THE SPATIAL DIVERSITY OF CHERNOZEMS AND ACCOMPANYING SOILS IN THE TARBAGATAI MOUNTAINS, SOUTH-EAST KAZAKHSTAN.
16:45-17:00	ORAL 17: L. Boruvka et al. Czech Univ. of Life Sci., Prague (Czech Republic) #861. EFFECT OF ROCK FRAGMENTS ON SOIL ORGANIC CARBON STOCK ESTIMATION AND MAPPING IN FOREST SOILS OF THE CZECH REPUBLIC.
17:00-17:15	ORAL 18: S. Tanner et al. Bern Univ. of Appl. Sci. (BFH) (Switzerland) #532. PEDOLOGICAL TRANSECT SURVEYS TO ENHANCE DATA QUALITY FOR REGIONAL DIGITAL SOIL MAPPING.
17:15-17:30	ORAL 19: M. Fuchs et al. Hungarian Univ. of Agric. and Life Sci., Gödöllo (Hungary) #668. PEDOMETRICS SUPPORTED EVALUATION OF CLASSIFICATION OF HYDROMORPHIC SOILS USING TRADITIONAL LABORATORY AND SPECTRAL SOIL DATA.
17:30-17:45	ORAL 20: S. Mantel. ISRIC World Soil Information, Wageningen (The Netherlands) #752. THE ISRIC GLOBAL SOIL ARCHIVE: A VALUABLE RESOURCE.
17:45-18:00	ORAL 21: E. Michéli et al. Hungarian Univ. of Agric. and Life Sci., Gödöllo (Hungary) #837. LESSONS FROM THE CORRELATION OF THE SOIL TYPES OF THE MODERNIZED, DIAGNOSTIC BASED HUNGARIAN SOIL CLASSIFICATION SYSTEM WITH THE REFERENCE SOILS GROUPS OF THE WRB.
<b>18:00-18:30</b>	<b>FLASH ORAL SESSION (GT08, GT05 &amp; GT12)</b> <b>Chairs: R. Ortega (Univ. Almería)</b>
18:00-18:05	FLASH GT08-1: Y Shi et al. Univ. Kiel (Germany) #90. PEROXIDASE ACTIVITY OF FRESH APPLE ROOT: A NOVEL APPROACH OF RESORUFIN-BASED MICRO-ZYMOGRAPHY.
18:05-18:10	FLASH GT08-2: Q. Chen et al. INRAE, Info&Sols, Orléans (France) #345. BARE SOIL MOSAICKING OPTIMISATION FOR SOIL ORGANIC CARBON PREDICTION IN CENTRE-VAL DE LOIRE (FRANCE).
18:10-18:15	FLASH GT08-3: E. Z. Dobos et al. Univ. of Miskolc (Hungary) #825. SENSOR SET DEVELOPMENT FOR SMART IRRIGATION.
18:15-18:20	FLASH GT05-1: V. K. Okada et al. Inst. Politécnico de Bragança (Portugal) #445. A REGIONAL DATASET OF SOIL ERODIBILITY FOR THE SABOR RIVER BASIN, NE PORTUGAL: MAGNITUDE AND SPATIAL DISTRIBUTION.
18:20-18:25	FLASH GT05-2: H. R. Upadhayay et al. Rothamsted Res., Okehampton (United Kingdom) #716. SEDIMENT RATING CURVE DYNAMICITY AT FIELD SCALE: INSIGHTS INTO THE RESILIENCE OF AGRICULTURAL LAND TO SEDIMENT LOSS?
18:25-18:30	FLASH GT12-1: M. A. Oke. Michael Adedotun Oke Found, Federal Capital (Nigeria) #10. THE FLOODING IN EIGHT (8) VILLAGES UNDER KWAITA BLOCK KWALI AREA COUNCIL OF THE FEDERAL CAPITAL TERRITORY ABUJA.
<b>18:30-19:00</b>	<b>WORKSHOP 4.</b>

# MEZQUITA Hall (Auditorium F, First floor)

## Tuesday 9<sup>th</sup>

<b>09:45- 11:00</b>	<b>SESSION: GT08. SOIL, PLANT, WATER INTERACTIONS</b> <b>Chair: H. Agota (ATK, Hungary)</b>
09:45-10:00	ORAL 01: B. G. Dimattia et al. Univ. of Bologna (Italy) #113. ROOT TRAITS OF DIFFERENT WHEAT CULTIVARS INFLUENCE SOIL STRUCTURE AND HYDRAULIC PROPERTIES.
10:00-10:15	ORAL 02: E. Wiedermann and A. Don. Thuenen Inst., Braunschweig (Germany) #138. ARTIFICIAL MACROPORES - A NEW APPROACH TO ENABLE PLANT ROOT ACCESS INTO SUBSOILS, IN THE PRESENCE OF SOIL COMPACTION.
10:15-10:30	ORAL 03: R. Kodešová et al. Czech Univ. of Life Sci. Prague (Czech Republic) #528. UPTAKE AND ACCUMULATION OF MICROPOLLUTANTS CONTAINED IN IRRIGATION WATER OR BIOSOLIDS BY PLANTS.
10:30-10:45	ORAL 04: M. Suska-Malawska et al. Univ. of Warsaw (Poland) #24. STUDYING THE INFLUENCE OF SOIL CHEMISTRY MOSAIC ON PLANT DIVERSITY IN THE UISU GLACIER FORELAND, EASTERN PAMIR: HAS TIME STOOD STILL?
10:45-11:00	ORAL 05: F. Pearce et al. Lancaster Univ. (United Kingdom) #847. INFLUENCE OF GRASSLAND LEGUMES ON NUTRIENT CYCLING IN SEMI-ARID GRASSLAND SOILS, AND INTERACTIONS WITH NUTRIENT LIMITATION.
<b>11:00-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>12:00-13:00</b>	<b>SESSION: GT08. SOIL, PLANT, WATER INTERACTIONS</b> <b>Chair: E. López-Capel (Newcastle University)</b>
12:00-12:15	ORAL 06: T. J. Lopes et al. CIMO, LA SusTEC, Inst. Politécnico de Bragança (Portugal) #864. MOISTURE MATTERS: SOIL CHEMISTRY AND MICROBIAL DYNAMICS IN COWPEA RHIZOSPHERES.
12:15-12:30	ORAL 07: N. L. Pandey et al. Agriculture and Agri-Food Canada, Agassiz (Canada) #655. P CONCENTRATIONS IN SURFACE WATER SOURCES ADJACENT TO MAJOR CROPPING SYSTEMS ACROSS THE FRASER VALLEY, BRITISH COLUMBIA, CANADA.
12:30-12:45	ORAL 08: H. Choe. Gyeongsang National Univ., Jinju (South Korea) #300. PROTEOMIC AND PHYSIOLOGICAL RESPONSES OF RICE SEEDLINGS TO CHLORTETRACYCLINE STRESS.
12:45-13:00	ORAL 09: R. W. Simmons et al. Cranfield Univ., Bedford (United Kingdom) #213. ANTI-CAPPING' POLYMERS SIGNIFICANTLY ENHANCE EMERGENCE, STAND ESTABLISHMENT AND YIELD IN BABY LEAF SPINACH.
<b>13:00-14:30</b>	<b>LUNCH + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>
<b>14:30-16:00</b>	<b>SESSION: GT08. SOIL, PLANT, WATER INTERACTIONS</b> <b>Chair: N. L. Pandey (Agassiz, Canada)</b>
14:30-14:45	ORAL 10: A. C. Callau-Beyer et al. Leibniz Univ. Hannover (Germany) #82. SOIL WATER MOVEMENT AND ROOT UPTAKE UNDER SUBSURFACE DRIP IRRIGATION.
14:45-15:00	ORAL 11: T. Törmänen et al. Natural Resources Inst. Finland, Helsinki (Finland) #496. SOIL PROPERTIES ARE DRIVERS OF BROAD-SCALE FOREST VEGETATION VARIATION.
15:00-15:15	ORAL 12: Á. Horel et al. ATK TAKI, Budapest (Hungary) #352. SOIL CULTIVATION METHODS IN SLOPED VINEYARDS: BALANCING PLANT HEALTH, SOIL MOISTURE, AND GHG EMISSIONS.
15:15-15:30	ORAL 13: C. Bravo et al. Univ. of Port (Portugal) #452. INFLUENCE OF INCREASED FRESHWATERS BROWNING ON IRON PLAQUE FORMATION IN HYDROPHYTES.
15:30-15:45	ORAL 14: P. Ganugi et al. Univ. of Turin (Italy) #629. CONTRASTING ADAPTIVE ROOT SYSTEM STRATEGIES OF QUERCUS ROBUR AND Q. RUBRA TO SEVERE DROUGHT DRIVEN BY PHOSPHORUS SUPPLY.
15:45-16:00	ORAL 15: Hui Rong et al. China Agricultural Univ., Beijing (China) #997. THE IMPACT OF NO-TILLAGE ON ORGANIC CARBON IN DEEP ROOT-INDUCED SHEATH SOIL WITHIN NORTHEAST CHINA MOLLISOLS AND ANALYSIS OF STABILIZATION MECHANISMS.
<b>16:00-16:30</b>	<b>COFFEE + EXPO + POSTERS SESSION 1 (POSTERS GTs: EUSO, 1,2,5,8,9,10,11,12 &amp; 17)</b>

<b>16:30-18:00</b>	<b>SESSION: GT08.1. Linking Vegetation Indices and Soil Properties: Advances in Measurement, Monitoring, and Modelling</b> <b>Chairs: A. Horel &amp; Z. Bakacsi (Institute for Soil Sci. Budapest)</b>
16:30-16:45	ORAL 16: S. Vingiani et al. Univ. of Naples Federico II, Portici (Italy) #650. SOIL-PLANT-WATER DYNAMICS IN VINEYARDS OF VOLCANIC AREAS IN SOUTHERN ITALY: A THREE-YEAR STUDY OF THE 'PIEDIROSSO' CULTIVAR IN THE CONTEXT OF CLIMATE CHANGE.
16:45-17:00	ORAL 17: H. Djuma et al. The Cyprus Institute, Nicosia (Cyprus) #329. EFFECTS OF AFFORESTATION OF MARGINAL CROPLANDS ON SOIL PROPERTIES AND EVAPOTRANSPIRATION IN A SEMI-ARID ENVIRONMENT.
17:00-17:15	ORAL 18: M. López-Vicente et al. Univ. de Zaragoza, Huesca (Spain) #296. SOIL COVERS, SOIL DEPTH AND CLIMATE MODULATE THE CORRELATION BETWEEN SOIL MOISTURE AND SOIL TEMPERATURE IN AN ORGANIC VINEYARD: OBSERVATIONS DURING THREE YEARS AT NEAR REAL-TIME.
17:15-17:30	ORAL 19: I. Vogeler et al. Christian Albrechts Univ., Kiel (Germany) #224. SENSOR SYSTEM FOR REAL-TIME SOIL SOLUTION MONITORING IN AGRICULTURAL SYSTEMS.
17:30-17:45	ORAL 20: S. Sekhri et al. Univ. of Hamburg (Germany) #276. OPTIMIZING COWPEA GROWTH IN SANDY SOILS: EFFECT OF MULCHING, INOCULATION, AND SIMULATED DROUGHT ON SOIL WATER DYNAMICS AND PLANT DEVELOPMENT.
17:45-18:00	ORAL 21: M. Rolando et al. Univ. of Turin, Grugliasco (Italy) #737. THE INTERPLAY BETWEEN DROUGHT AND PHOSPHORUS SCARCITY SHAPES RESILIENCE TO STRESS IN QUERCUS SPP. BY MODULATING METABOLOMIC PROFILES.
<b>18:00-18:30</b>	<b>FLASH ORAL SESSION (GT07)</b> <b>Chair: C. Vitória (Inst. Politécnico de Castelo Branco)</b>
18:00-18:05	FLASH GT07-1: M. Pérez-Picón et al. Univ. de Sevilla (Spain) #599. UNDERSTANDING THE KEYS BEHIND A SUCCESSFUL SUBSTITUTION OF P MINERAL FERTILIZATION.
18:05-18:10	FLASH GT07-2: N. Núñez et al. Univ. de Sevilla (Spain) #348. EVALUATION OF ORGANIC FERTILISERS AS AN ALTERNATIVE TO PHOSPHATE MINERAL FERTILISATION IN A WHEAT-SUNFLOWER ROTATION.
18:10-18:15	FLASH GT07-3: M. Colomina-Garcia and Daniel Plaza-Bonilla. Univ. de Lleida (Spain) #356. NITROGEN TRACING FROM COVER CROPS TO MAIZE: N FATE IN THE SOIL-PLANT SYSTEM.
18:15-18:20	FLASH GT07-4: M. Knott et al. RPTU, Landau In Der Pfalz (Germany) #441. FROM ASHES TO OAKS: HOW LONG-TERM EFFECTS OF BIOCHAR ON BIOPHYSICOCHEMICAL SOIL PROPERTIES MAY AFFECT SURVIVAL AND GROWTH OF QUERCUS PETRAEA IN A FOREST RESTORATION PROJECT.
18:20-18:25	FLASH GT07-5: L. Guerrero-Gallardo et al. Univ. of Córdoba (Spain) #521. COMPOSTED SEWAGE SLUDGE AS PHOSPHORUS FERTILIZER IN WHEAT GROWN IN REPRESENTATIVE SOILS OF SPAIN.
18:25-18:30	FLASH GT07-6: W. Makaza et al. Mohammed VI Polytech. Univ., Benguerir (Morocco) #646. AGRONOMIC VALUE OF LIME MATERIALS IN THE 21ST CENTURY ON SOIL PROPERTIES AND CROP PRODUCTIVITY - META ANALYSIS.
<b>18:30-19:05</b>	<b>FLASH ORAL SESSION (GT07)</b> <b>Chair: F.J. Moreno Racero (IG-CSIC)</b>
18:30-18:35	FLASH GT07-7: N. Ismail et al. Mohammed VI Polytech. Univ., Benguerir (Morocco) #522. TAILORING CALCIUM AMENDMENT STRATEGIES FOR ALFALFA: LONG-TERM YIELD RESPONSES TO RAW, BURNED, AND SULFATE-BASED INPUTS ACROSS CONTRASTING SOILS AND STAND TYPES.
18:35-18:40	FLASH GT07-8: J. Queiros-Vieira et al. Uni LaSalle, Beauvais (France) #413. SHORT-TERM EFFECTS OF TORREFIED RAPESEED STRAW ON RYEGRASS GROWTH AND DISSOLVED SOIL ORGANIC CARBON.
18:40-18:45	FLASH GT07-9: M. Sampéris Sarvisé and A. Usón Murillo. Univ. de Zaragoza, Huesca (Spain) #287. LEACHED NITRATE QUANTIFICATION IN MAIZE: MICROPLOT, PLOT AND BASIN LEVEL.
18:45-18:50	FLASH GT07-10: D. Ruiz-Beamonte. CIRCE, Zaragoza (Spain) #225. DEMONSTRATING THE AGRONOMIC POTENTIAL OF NITROGEN AND PHOSPHORUS RECOVERY FROM WASTE STREAMS IN THREE EUROPEAN RIVER BASINS (EBRO, LIELUPE, AND DANUBE).
18:50-18:55	FLASH GT07-11: C. Esteves. Lisbon Univ. (Portugal) #601. SOIL ENZYME ACTIVITIES AND MICROBIAL COMMUNITIES AS INDICATORS OF SOIL HEALTH IN MANURE-AMENDED ORCHARD SOILS.
18:55-19:00	FLASH GT07-12: O. I. Halima et al. INRA, Rabat (Morocco) #862. GREEN WASTE COMPOST AS AN ECO-FRIENDLY ALTERNATIVE TO REMEDIATE SALT-AFFECTED SOILS IN MOROCCO.
19:00-19:05	FLASH GT07-13: A. González-Guzmán and D. Arán-Ferreiro. Univ. de Córdoba (Spain) #208. DESIGN AND PERFORMANCE OF AN INOCULATED WASTE-BASED ORGANIC MINERAL FERTILIZER FOR GRAPEVINES.

***WEDNESDAY 10<sup>th</sup> SEPTEMBER 2025***

## AL' ANDALUS Auditorium (Main Auditorium A, Ground floor)

### Wednesday 10<sup>th</sup>

09:00-09:45	<b>PLENARY CONFERENCE</b> <b>The Soils of Our Planet – A Fascinating Resource</b> <b>Dr. Peter Schad, Technical University of Munich, Germany</b>
09:45-11:00	<b>SESSION: Status of the Soil World's Soil Resources Report 2025 (SWSRR) (FAO-GPS)</b> <b>Chair: Natalia Rodríguez Eugenio (FAO)</b>
09:45-10:00	ORAL 01. To be confirmed
10:15-10:30	ORAL 02. To be confirmed
10:30-10:45	ORAL 03. To be confirmed
10:45-11:00	ORAL 04. To be confirmed
11:00-12:00	<b>COFFEE + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
12:00-13:00	<b>SESSION: GT09. SOIL HEALTH</b> <b>Biological and Biodiversity Indicators</b> <b>Chair: P. Lenka (Czech Univ. Life Sci.)</b>
12:00-12:15	ORAL 33: M. C. Hernandez-Soriano et al. John Innes Centre, Norwich (United Kingdom) #402. WHEAT ROOT TRAITS CAN TURN THE TIDE OF THE NITROGEN CYCLE IN SOIL.
12:15-12:30	ORAL 34: A. Roy et al. ZALF, Müncheberg (Germany) #264. AUTOMATING BAIT LAMINA STICK EVALUATION WITH COMPUTER VISION: A SCALABLE AND OBJECTIVE APPROACH FOR SOIL MESOFAUNA ACTIVITY ASSESSMENT.
12:30-12:45	ORAL 35: L. B. Martínez-García et al. EEAD-CSIC, Zaragoza (Spain) #426. INTERCROPPING AND BIOPESTICIDE USE IMPACT SOIL MICROBIAL, MYCORRHIZAL RESPONSES AND PLANT DAMAGE IN ORGANIC MAIZE-COTTON SYSTEMS IN WEST AFRICA.
12:45-13:00	ORAL 36: N. Flórián et al. HUN-REN, Budapest (Hungary) #363. SOIL MESOFAUNA AS SOIL HEALTH INDICATOR: LESSONS FROM CONSERVATION AGRICULTURAL AND FORESTRY SYSTEMS.
13:00-14:30	<b>LUNCH + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
14:30-16:00	<b>GT09. SOIL HEALTH</b> <b>Chair: M. Demeulemeester (INAGRO)</b>
14:30-14:45	ORAL 37: L. Federico et al. Univ. Milano-Bicocca (Italy) #551. SOIL UNDER PRESSURE: WHAT TERRESTRIAL ISOPOD AGGREGATION PATTERNS REVEAL ABOUT ECOSYSTEM HEALTH.
14:45-15:00	ORAL 38: J. M. Mirás-Avalos et al. MBG-CSIC, Santiago de Compostela (Spain) #62. SOIL MICROBIAL BIOMASS AND ORGANIC CARBON IN AGRICULTURAL FIELDS OF THE EBRO VALLEY (NE SPAIN) UNDER DIFFERENT MANAGEMENT PRACTICES.
15:00-15:15	ORAL 39: C. Vázquez et al. Wageningen Univ. (The Netherlands) #622. SOIL BIOLOGY, SOIL HEALTH AND ECOSYSTEM SERVICES.
15:15-15:30	ORAL 40: L. Corbett, Univ. Reading (United Kingdom) #603. SOIL ENZYME ACTIVITY RATES AS SENSITIVE INDICATORS OF SOIL HEALTH FOR OAK DECLINE IN RESPONSE TO DROUGHT, REWETTING AND NUTRIENT STRESS.
15:30-15:45	ORAL 41: P. R. Soares et al. Wageningen Univ. & Res. (The Netherlands) #404. ASSESSING SOIL HEALTH AND MAIZE PERFORMANCE IN SUCCESSIONAL AGROFORESTRY SYSTEMS ACROSS TWO MEDITERRANEAN FARMS.
15:45-16:00	ORAL 42: S. R. Motta et al. ERSAP, Milano (Italy) #691. SOIL IMPROVEMENT BY REGENERATIVE AGRICULTURE: A PERMANENT MONITORING NETWORK IN THE PO VALLEY (ITALY).
16:00-16:30	<b>COFFEE + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
16:30-18:00	<b>SESSION: GT09. SOIL HEALTH</b> <b>Conceptual Frameworks &amp; Assessment II</b> <b>Chair: R. Soares (Wageningen Univ.)</b>
16:30-16:45	ORAL 43: N. Schmücker et al. BFH, Bern (Switzerland) #439. OF AGGREGATES AND PORES: A MULTI-METHOD FRAMEWORK TO ASSESS SOIL STRUCTURE AND FUNCTION ACROSS LAND-USE AND TEXTURE GRADIENTS.
16:45-17:00	ORAL 44: M. Wallenstein et al. Syngenta, Basel (Switzerland) #454. MOVING PAST METRICS: A DATA-DRIVEN STRATEGY FOR RESTORING SOIL HEALTH AT SCALE.
17:00-17:15	ORAL 45: C. Morgan et al. Soil Health Inst., Morrisville (USA) #808. WHAT COUNTS AS ADOPTION? BETTER ACCOUNTING OF SOIL HEALTH MANAGEMENT PRACTICES.
17:15-17:30	ORAL 46: M. D. Kessie et al. UniLaSalle, Beauvais (France) #301. SOIL ECOSYSTEM SERVICES: LINKING CONCEPTS, ASSESSMENT METHODS, RELATIONSHIPS, AND POLICY-MAKING.
17:30-17:45	ORAL 47: A. Reijneveld et al. Eurofins, Wageningen (The Netherlands) #578. TURNING SOIL SCIENCE INTO ACTION: A PATHWAY TO ACHIEVE AGRICULTURAL SUSTAINABILITY IN LINE WITH THE SDGS.
17:45-18:00	ORAL 48: S. Crittenden et al. Agric. and Agri-Food Canada, Brandon (Canada) #140. SOIL HEALTH INDICATORS FOR CROPPING SYSTEMS IN MANITOBA, CANADA.
20:30-Late	<b>GALA DINNER</b>



# ITALICA Auditorium (Auditorium B, First floor)

## Wednesday 10<sup>th</sup>

09:00-09:45	<b>PLENARY CONFERENCE</b> <b>Title: Biochar a Magic Soil Amendment or How Does it Affect Soil Biochemistry?</b> <b>by Dr. Heike E. Knicker, Instituto de la Grasa (IG-CSIC), Spain</b>
09:45-11:00	<b>SESSION: GT07. SOIL AMENDMENTS &amp; FERTILIZERS</b> <b>Mineral Fertilization I</b> <b>Chair: Dr. H. Knicker. IG-CSIC (Spain)</b>
09:45-10:00	ORAL 19: K. Nikolaus et al. Wageningen Environ. Res. (The Netherlands) #764. REGIONAL SPECIFIC MEASURES TO REDUCE TRADE-OFFS AND PROMOTE SYNERGIES BETWEEN CLIMATE CHANGE MITIGATION AND SOIL HEALTH.
10:00-10:15	ORAL 20: N. Dube. Univ. of KwaZulu-Natal, Durban (South Africa) #29. LONG-TERM (71 YEARS) NITROGEN AND LIME APPLICATION IMPACTS MICROBIAL RESILIENCE, STOICHIOMETRIC CONSTRAINTS, AND SOIL CARBON STABILITY IN A SEMI-ARID GRASSLAND.
10:15-10:30	ORAL 21: A. Simoes-Mota et al. EEAD-CSIC, Zaragoza (Spain) #178. BALANCING FERTILITY AND CONTAMINATION IN THE MEDITERRANEAN: TRACE ELEMENTS AND NUTRIENT DYNAMICS UNDER 12 YEARS OF CONTRASTING SOIL MANAGEMENT.
10:30-10:45	ORAL 23: N. Kaner et al. Hebrew Univ. in Jerusalem, Rehovot (Israel) #197. POLYSACCHARIDE-COATED APATITE FORMULATIONS: A SYNERGISTIC STRATEGY FOR PHOSPHORUS AVAILABILITY AND REDUCED ENVIRONMENTAL MIGRATION.
10:45-11:00	ORAL 24: R. Sakrabani et al. Cranfield Univ. (United Kingdom) #283. EVALUATING INFLUENCE OF MOISTURE IN CONTROLLING RELEASE OF NUTRIENTS IN NOVEL GREEN FERTILISER USING NEUTRON IMAGING AND MUONIC X-RAYS.
11:00-12:00	<b>COFFEE + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
12:00-13:00	<b>SESSION: GT07. SOIL AMENDMENTS &amp; FERTILIZERS</b> <b>Mineral Fertilization II</b> <b>Chair: K. Nikolaus (Wageningen Environ. Res.)</b>
12:00-12:15	ORAL 24: T. Zhang et al. Harrow Res. & Develop. Center, Agri. & Agri-Food, Harrow (Canada) #543. CROP YIELDS OF 16-YEAR PHOSPHORUS CONSERVATION MANAGEMENT PRACTICES INTEGRATED WITH CLOSED-LOOP FIELD WATER RECYCLING UNDER A CORN-SOYBEAN ROTATION IN LAKE ERIE BASIN.
12:15-12:30	ORAL 25: A. Rafla. Ministry of Agriculture, Tunis (Tunisia) #820. SOILFER-VACS FRAMEWORK- ENHANCING INTEGRATED SOIL – CROP MANAGEMENT FOR SUSTAINABLE FOOD SYSTEMS IN AFRICA (TUNISIA CASE STUDY).
12:30-12:45	ORAL 26: K. Hayashi. Res. Institute for Humanity and Nature, Kyoto (Japan) #149. ROLE OF SOIL SCIENCE IN SUSTAINABLE NITROGEN MANAGEMENT.
12:45-13:00	ORAL 27: A. A. Rahman et al. SD Guthrie Research Sdn Bhd, Pulau Carey (Malaysia) #569. USE OF OIL PALM DECANTER CAKE AS SOIL AMENDMENT AND INORGANIC FERTILISER SUBSTITUTE FOR GROWING OIL PALM SEEDLINGS IN THE NURSERY.
13:00-14:30	<b>LUNCH + EXPO + POSTERS SESSION 2</b>
14:30-16:00	<b>SESSION: GT07. SOIL AMENDMENTS &amp; FERTILIZERS</b> <b>Chars as Soil Amendments &amp; Impact on the Soil-Plant-Microorganism System I</b> <b>Chair: J. M. García-Mina (Univ. de Navarra)</b>
14:30-14:45	ORAL 28: J. L. Thauront et al. École Normale Supérieure-PSL, CNRS, IPSL, Paris (France) #297. PYROLYSIS TEMPERATURE IS NOT A GOOD PROXY OF BIOCHAR PERSISTENCE IN SOILS.
14:45-15:00	ORAL 29: F. J. Moren-Racero et al. IG-CSIC, Seville (Spain) #252. FROM TAXA TO FUNCTION: PREDICTING METABOLIC PATHWAYS OF AGRONOMIC AND ENVIRONMENTAL RELEVANCE IN HYDROCHAR-AMENDED SOILS.
15:00-15:15	ORAL 30: J. M. de la Rosa et al. IRNAS-CSIC, Seville (Spain) #411. ORGANIC AMENDMENTS FROM RESIDUES FOR SOIL HEALTH, LONG TERM CARBON STABILITY AND NUTRIENT RECYCLING.
15:15-15:30	ORAL 31: P. Tammearg et al. Univ. Helsinki (Finland) #710. TOWARDS THE BEST PRACTICE IN USING SOFTWOOD BIOCHARS ON BOREAL SOILS: RESULTS FROM TWO EXPERIMENTS THROUGH 15 YEARS ON SOILS, NUTRIENT CYCLING AND CROPS.
15:30-15:45	ORAL 32: S. Schlichenmaier et al. Research Institute of Organic Agriculture, Frick (Switzerland) #290. EFFECTS OF BIOCHAR APPLICATION ON SOIL QUALITY AND CROP YIELDS: RESULTS FROM THE INITIAL FOUR YEARS OF A LONG-TERM FIELD EXPERIMENT IN SWITZERLAND.
15:45-16:00	ORAL 33: E. Loffredo et al. Univ. Aldo Moro, Bari (Italy) #355. USE OF BIOSORBENTS FROM WASTE RECYCLING AND MYCODEGRADATION FOR THE EFFECTIVE AND LOW-COST ELIMINATION OF ORGANIC SOIL POLLUTANTS.
16:00-16:30	<b>COFFEE + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>

<b>16:30-18:00</b>	<b>SESSION: GT07. SOIL AMENDMENTS &amp; FERTILIZERS</b> <b>Chars as Soil Amendments &amp; Impact on the Soil-Plant-Microorganism System II</b> <b>Chair: Ana Barreiro (Univ. Santiago de Compostela)</b>
16:30-16:45	ORAL 34: L. Lesaint et al. UniLa Salle, Beauvais (France) #294. ASSESSMENT OF THE IMPACT OF TORREFIED RAPESEED STRAW APPLICATION ON SOIL MULTIFUNCTIONALITY USING THE BIOFUNCTOOL APPROACH.
16:45-17:00	ORAL 35: H. Luutu et al. Univ. Adelaide (Australia) #677. VISUALISING THE AMELIORATION OF SUBSURFACE SOIL ACIDITY WITH X-RAY TOMOGRAPHY: THE EFFECT OF NOVEL MICRONISED LIME WITH POLYMERS
17:00-17:15	ORAL 36: M. Caldara et al. UNIPR, Parma (Italy) #767. A CONTRIBUTION TO MISSION SOIL FROM TWO HORIZON PROJECTS: SIMBA AND DELISOIL.
17:15-17:30	ORAL 37: C. Vitória et al. Inst. Politécnico de Castelo Branco (Portugal) #78. AGRONOMIC ASSESSMENT OF BIOCHAR VALORIZATION IN AN ACIDIC AND LOW PHOPHORUS SOIL.
17:30-17:45	ORAL 38: K. Barcauskaite et al. Lithuanian Res. Centre for Agr. and Forestry, Kaunas, (Lithuania) #511. MICROPLASTICS FROM ORGANIC MATTER-RICH SEWAGE SLUDGE: THEIR ROLE IN HEAVY METAL TRANSPORT.
17:45-18:00	ORAL 39: S. Bhattarai et al. Stiftung Univ., Hildesheim (Germany) #477. SOIL ORGANIC MATTER QUALITY INFLUENCES EARTHWORM ABUNDANCE IN WOOD PASTURES OF ROMANIA: HIGHER RECALCITRANCE AND LOWER ABUNDANCE UNDER TREE CROWNS.
<b>20:30-Late</b>	<b>GALA DINNER</b>

## RONDA Hall (Auditorium C, First floor)

### Wednesday 10<sup>th</sup>

<b>09:45-11:00</b>	<b>SESSION: GT10. SOIL C DYNAMICS &amp; STABILIZATION</b> <b>Forest Soils</b> <b>Chair: A. Cervera-Mata (CEBAS-CSIC)</b>
09:45-10:00	ORAL 40: N. Blaesbjerg. Univ. of Tasmania, Hobart (Australia) #91. EFFECTS OF WARMING ON SOIL CARBON STORAGE AND SOIL STRUCTURAL STABILITY – A CASE STUDY FROM THE TASMANIAN HIGHLANDS.
10:00-10:15	ORAL 41: K. Staszel-Szlachta. Univ. of Agriculture in Krakow (Poland) #90. THE INFLUENCE OF DIFFERENT EUROPEAN TREE SPECIES ON THE STABILIZATION OF SOIL ORGANIC MATTER.
10:15-10:30	ORAL 42: C.-F. Johannesson et al. NINA, Oslo (Norway) #248. DECADAL DECLINE IN FOREST FLOOR SOIL ORGANIC CARBON AFTER CLEAR-CUTTING IN NORDIC AND CANADIAN FORESTS.
10:30-10:45	ORAL 43: E. Vanguelova et al. Forest Research, Farnham (United Kingdom) #633. WHAT IS THE CURRENT CARBON STORAGE AND FUTURE CARBON SEQUESTRATION POTENTIAL OF FOREST SOILS IN THE UK?
10:45-11:00	ORAL 44: P. Horvat et al. Slovenian Forestry Inst., Ljubljana (Slovenia) #834. SOIL CARBON STOCKS AND STABILITY UNDER EUROPEAN BEECH AND NORWAY SPRUCE STANDS IN DEPENDENCE ON PARENT MATERIAL.
<b>11:00-12:00</b>	<b>COFFEE + EXPO+ POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
<b>12:00-13:00</b>	<b>SESSION: GT10. SOIL C DYNAMICS &amp; STABILIZATION</b> <b>Amended Soils</b> <b>Chair: P. Madejón (IRNAS-CSIC)</b>
12:00-12:15	ORAL 45: P. De Jong et al. WSL, Birmensdorf (Switzerland) #464. THE ROLE OF EARTHWORMS IN ORGANIC MATTER CYCLING IN TEMPERATE FORESTS – A MESOCOSM EXPERIMENT WITH LABELLED BEECH LITTER.
12:15-12:30	ORAL 46: M. Fér et al. Czech Univ. of Life Sci. (Czech Republic) #516. HOW TREATED WASTEWATER AND BIOSOLIDS FROM THE MUNICIPAL WASTEWATER TREATMENT PLANT AFFECT CARBON DIOXIDE EFFLUXES FROM SOILS.
12:30-12:45	ORAL 47: P. Solé et al. IRTA - Mas Badia, La Tallada D'Empordà (Spain) #665. THE USE OF DIFFERENT TYPES OF MANURE AFFECTS SOIL PARTICULATE ORGANIC MATTER FRACTIONS.
12:45-13:00	ORAL 48: L. Lozano De Sosa et al. IRNAS-CSIC, Seville (Spain) #424. UNPACKING THE ROLE OF LIVESTOCK DIVERSITY IN SOIL PROCESSES AND CARBON DYNAMICS.
<b>13:00-14:30</b>	<b>LUNCH + EXPO+ POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
<b>14:30-16:00</b>	<b>SESSION: GT14. SOIL DATA ACQUISITION, CURATION, SHARING &amp; MODELLING</b> <b>Integrating Ground Observations and Satellites for Carbon Sensing of Soil and Vegetation I (Remote Sensing)</b> <b>Chairs: E. Vaudour (INRAE Versailles-Saclay), J. Wetterlind (Swedish Univ. Agricultural Sci.), Y. Fouad (Inst. Agro Rennes-Angers)</b>
14:30-14:45	ORAL 01: Q. Chen et al. INRAE, Info&Sols, Orléans (France) #255. SPECTRAL INDICES IN REMOTE SENSING OF SOIL: DEFINITION, POPULARITY, AND ISSUES. A CRITICAL OVERVIEW.
14:45-15:00	ORAL 02: M. A. Abubakar et al. AgroParisTech-INRAE, Palaiseau (France) #293. SPATIAL PREDICTION OF SOIL PROPERTIES USING SENTINEL-2 TEMPORAL MOSAICS OF NON-VEGETATED SOILS IN A SEMI-ARID REGION: A COMPARATIVE EVALUATION OF GOOGLE EARTH ENGINE AND THEIA PLATFORMS IN SMINJA PLAIN, TUNISIA.
15:00-15:15	ORAL 03: H. Zayani et al. Univ. Paris-Saclay, Palaiseau (France) #139. DETECTION OF SOIL MANAGEMENT PRACTICES USING SENTINEL-1 TIME SERIES: THE CHALLENGES RAISED BY THE DIVERSIFIED MANAGEMENT SEQUENCES IN VINEYARDS.
15:15-15:30	ORAL 04: X. Tian et al. OpenGeoHub, Doorwerth (The Netherlands) #39. SPATIOTEMPORAL PREDICTION OF SOIL ORGANIC CARBON DENSITY FOR EUROPE (2000–2022) BASED ON LANDSAT-BASED SPECTRAL INDICES TIME-SERIES.
15:30-15:45	ORAL 05: M. Farzamian et al. INIAV, Oeiras (Portugal) #312. REGIONAL MAPPING OF SOIL ORGANIC CARBON IN AGRICULTURAL SOILS FROM SENTINEL-2 IMAGERY.
15:45-16:00	ORAL 06: E. B. Dor et al. Tel Aviv Univ. (Israel) #150. NOVEL APPROACH FOR FIELD HARMONIZATION OF SOIL SPECTRAL MEASUREMENTS: BRIDGING LAB PROTOCOLS AND REAL-WORLD CONDITIONS.
<b>16:00-16:30</b>	<b>COFFEE + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>

<b>16:30-18:00</b>	<b>SESSION: GT14. SOIL DATA ACQUISITION, CURATION, SHARING &amp; MODELLING</b> <b>Integrating Ground Observations and Satellites for Carbon Sensing of Soil and Vegetation II (Proximal Sensing)</b> <b>Chairs: M.J. Marques (Univ. Autonoma de Madrid), N. Baghdadi (INRAE Montpellier)</b>
16:30-16:45	ORAL 07: Y.-C. Huang et al. Univ. of Sydney (Australia) #162. EVALUATING THE UNCERTAINTY OF DEEP LEARNING SOIL SPECTRAL MODELS USING MONTE CARLO CONFORMAL PREDICTION (MC-CP).
16:45-17:00	ORAL 08: D. Gabrieli et al. Univ. di Padova (Italy) #486. INTEGRATING AUTONOMOUS PLATFORMS AND MULTI-GEOPHYSICAL SURVEYS FOR FIELD-SCALE SOIL COMPACTION DIAGNOSIS.
17:00-17:15	ORAL 09: M. Naeimi et al. Univ. of Guelph (Canada) #170. ENVIRONMENTAL FACTORS IN IMAGE-BASED SOIL ANALYSIS: INTERACTION EFFECTS OF MOISTURE, TEXTURE, AND ILLUMINATION.
17:15-17:30	ORAL 10: Y. Fouad et al. SAS, Institut Agro, INRAE, Rennes (France) #751. ESTIMATING VAN GENUCHTEN MODEL PARAMETERS FROM NEAR-INFRARED SPECTROSCOPY AND THE SOIL WATER SPECTRAL INDEX.
17:30-17:45	ORAL 11: H. Merlet et al. Univ. Paris-Saclay, Palaiseau (France) #367. IMPROVING THE PREDICTION OF SOIL ORGANIC CARBON CONTENT USING FIELD-ACQUIRED HYPERSPECTRAL DATA BY ACCOUNTING FOR SOIL MOISTURE AND SURFACE ROUGHNESS.
17:45-18:00	ORAL 12: A. Csorba et al. Hungarian Univ. of Agric. and Life Sci., Godollo (Hungary) #833. NATIONAL SOIL SPECTRAL LIBRARY FOR HUNGARY: ESTABLISHMENT AND PROSPECTS FOR SPECTROSCOPY-BASED SOIL ASSESSMENT, CLASSIFICATION AND MONITORING.
<b>18:00-19:00</b>	<b>ECSSS GENERAL ASSEMBLY</b>
<b>20:30-Late</b>	<b>GALA DINNER</b>

## BAHIA Hall (Auditorium D, First floor)

### Wednesday 10<sup>th</sup>

<b>09:45-11:00</b>	<b>SESSION: GT04. SOIL BIOLOGY</b> <b>Effects of Land Management on Soil Biota I</b> <b>Chair: E. Kandeler (Univ. Hohenheim)</b>
09:45-10:00	ORAL 1. M. M. López-Rodríguez et al. Univ. of Granada. (Spain) #289. SOIL MICROBIAL COMMUNITIES AS DRIVERS OF HEALTH AND RESILIENCE IN MEDITERRANEAN DRYLAND AGRICULTURE.
10:00-10:15	ORAL 2. L. Gismero-Rodríguez et al. IG-CSIC, Sevilla (Spain) #303. A ONE-YEAR CHRONOSEQUENCE ANALYSIS OF MICROBIAL COMMUNITIES IN AN OLIVE ORCHARD UNDER VARYING MANAGEMENT PRACTICES.
10:15-10:30	ORAL 3. L. E. L. Able. Univ. Mohammed VI Polytechnic, Benguerir (Morocco) #307. RECLAMATION OF THE PHOSPHATE POST-MINING SITE OF BENGUERIR: CHARACTERIZATION OF THE INDIGENOUS BACTERIAL STRAINS FOR REVEGETATION APPLICATIONS.
10:30-10:45	ORAL 4. C. Joly et al. Univ d'Avignon (France) #325. DUNG BEETLES DOESN'T PLAY DIRTY.
10:45-11:00	ORAL 5. T. Jeanne et al. Univ. Laval Res. Center, Québec (Canada) #361. AN INTEGRATED SOIL OMICS AND MACHINE LEARNING APPROACH TO PREDICT MULTIFUNCTIONALITY IN AGRICULTURAL SYSTEMS.
<b>11:00-12:00</b>	<b>COFFEE + EXPO+ POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
<b>12:00-13:00</b>	<b>SESSION: GT04. SOIL BIOLOGY</b> <b>Effects of Land Management on Soil Biota II</b> <b>Chairs: E. Morillo (IRNAS-CSIC) and N. Praeg (Universität Innsbruck)</b>
12:00-12:15	ORAL 6. B. Betancur-Corredor et al. Univ. of Bonn (Germany) #399. AGRICULTURAL LAND USE REDUCES SOIL BIODIVERSITY: INSIGHTS FROM A GLOBAL META-ANALYSIS.
12:15-12:30	ORAL 7. C. Menta et al. Univ. of Parma (Italy) #427. AN INTEGRATED APPROACH TO DEFINE THE SOIL ARTHROPOD COMMUNITY RESPONSE IN AGRIVOLTAIC SYSTEMS.
12:30-12:45	ORAL 8. R. Creamer. Wageningen Univ. and Res. (The Netherlands) #698. HOW USEFUL ARE SOIL BIOTA AS INDICATORS OF SOIL HEALTH: UNDERSTANDING THE IMPACTS OF MANAGEMENT PRACTICES ON SOIL BIOTA AND ASSOCIATED SOIL FUNCTIONS.
12:45-13:00	ORAL 9. F. David et al. Wageningen Univ. and Res. (The Netherlands) #750. IMPACT OF SOIL BIODIVERSITY LOSS AND SOIL COMMUNITY COMPOSITION ON SOIL STRUCTURAL PROCESSES AND ECOSYSTEM MULTIFUNCTIONALITY.
<b>13:00-14:30</b>	<b>LUNCH + EXPO+ POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
<b>14:30-16:00</b>	<b>SESSION: GT04. SOIL BIOLOGY</b> <b>Effects of Land Management on Soil Biota III</b> <b>Chairs: G. Bárcenas (Univ. Sevilla) and B. Betancur Corredor (Univ. Bonn)</b>
14:30-14:45	ORAL 10. E. L. Rieke et al. Soil Health Institute, Morrisville (USA) #788. MOVING BEYOND LAND USE CHANGE: HOW SPECIFIC AGRICULTURAL MANAGEMENT PRACTICES IMPACT SOIL MICROBIAL TAXONOMY AND CARBON CYCLING TRAITS.
14:45-15:00	ORAL 11. A. M. Pablo et al. Univ. of Burgos (Spain) #807. DROUGHT-DRIVEN SHIFTS IN WHEAT-ASSOCIATED MICROBIOMES: INSIGHTS FROM SPAIN AND ITALY.
15:00-15:15	ORAL 12. D. Szlatenyi et al. Eötvös Lóránd Univ., Budapest (Hungary) #812. LAND-USE GRADIENT EFFECTS ON SOIL MICROBES: ARBUSCULAR MYCORRHIZAL FUNGI SHOW DISTINCT SENSITIVITY FROM NATURAL TO MANAGED SOILS.
15:15-15:30	ORAL 13. M. Liu. China Agric. Univ., Beijing (China) #964. EFFECT OF COMPACTION ON THE NUMBER AND MORPHOLOGY OF GROUND-NESTING BEE BURROWS.
15:30-15:45	ORAL 14. E. Baraza et al. Univ. of the Balearic Islands, Palma (Spain) #237. HERBIVORY EFFECT ON SOIL FUNGI COMMUNITY: FROM ROOTS TO PLANT COMPETITION.
15:45-16:00	ORAL 15. B. S. Razavi et al. Soil Plant Microbiome, Kiel (Germany) #773. INTERACTIVE REGULATION OF ROOT GLUCOSE EXUDATION AND RHIZOSPHERE EXPANSION: A MYCORRHIZA-PLANT COOPERATION UNDER DROUGHT.
<b>16:00-16:30</b>	<b>COFFEE + EXPO+ POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>

<b>16:30-18:00</b>	<b>SESSION: GT04. SOIL BIOLOGY</b> <b>Dynamics and Drivers</b> <b>Chairs: M. Muñoz-Rojas (IRNAS-CSIC)</b>
16:30-16:45	ORAL 16. E. Kandeler et al. Univ. of Hohenheim, Stuttgart (Germany) #99. SOIL MICROHABITATS – HOW DO SOIL MICROORGANISMS BENEFIT FROM THEIR LOCAL ENVIRONMENT?
16:45-17:00	ORAL 17. M. Du et al. Univ. of Sydney, Sydney (Australia) #131. DIVERGENT ASSEMBLY: UNRAVELLING SOIL MICROBIAL DYNAMICS ACROSS CLIMATE AND LAND-USE GRADIENTS.
17:00-17:15	ORAL 18. R. Olmo-Gilabert et al. CREAF, Cerdanyola del Vallès, Barcelona (Spain) #328. EXPLORING SOIL BIODIVERSITY PATTERNS THROUGH A MULTI-TAXA AND MULTI-ENVIRONMENTAL LENS.
17:15-17:30	ORAL 19. J. J. Jiménez et al. IPE-CSIC, Jaca (Spain) #492. SOIL BIOTA COMMUNITIES AND KEY SOIL ECOSYSTEM FUNCTIONING PROCESSES ACROSS A MEDITERRANEAN CLIMATIC GRADIENT.
17:30-17:45	ORAL 20. N. Praeg et al. Univ. Innsbruck, Innsbruck (Austria) #538. CROSS-HABITAT MICROBIAL INTERCONNECTEDNESS IN ALPINE GRASSLAND ECOSYSTEMS.
17:45-18:00	ORAL 21: A. A. Salazar-Fillippo et al. Charles Univ., Prague (Czech Republic) #280. FUNCTIONAL TRAIT VARIATION IN ORIBATID MITE (ACARI) COMMUNITIES ACROSS EUROPE: A FRAMEWORK FOR UNDERSTANDING CONTINENTAL SOIL ARTHROPOD DISTRIBUTION.
<b>18:00-18:40</b>	<b>WORKSHOP 5. BSSS (Paul Hallett and Andrew Morris)</b>
<b>20:30-Late</b>	<b>GALA DINNER</b>



**MARISMAS Hall (Auditorium E, First floor)****Wednesday 10<sup>th</sup>**

<b>09:45- 11:00</b>	<b>SESSION: GT03. SOIL BIOGEOCHEMISTRY</b> <b>Changing Environment and Land-Use</b> <b>Chair: I. Schöning (Max Planck Inst. for Biogeochem, Jena)</b>
09:45-10:00	ORAL 01: D. Kupka et al. Univ. of Agric. in Krakow (Poland) #56. TOO HOT TO HANDLE: WARMING-INDUCED CHANGES IN BIOGEOCHEMISTRY OF TOPSOIL AND MAIN FOREST FORMING SPECIES IN TEMPERATE MOUNTAIN FORESTS IN CENTRAL EUROPE.
10:00-10:15	ORAL 02: J. Cabezas-Berrido et al. Univ. of Granada (Spain) #341. EFFECT OF COVER CROP TYPE AND ITS MANAGEMENT (BRUSH-CUTTER VS. CULTIVATOR) ON SOIL GREENHOUSE GAS EMISSIONS (CO <sub>2</sub> AND CH <sub>4</sub> ) UNDER MEDITERRANEAN CONDITIONS.
10:15-10:30	ORAL 03: C. Kenny et al. Univ. of Stirling (United Kingdom) #494. THE KEEL OF THE ICEBERG: ELUCIDATING THE IMPACTS OF SCOTTISH WOODLAND EXPANSION ON SOIL ORGANIC CARBON STORAGE IN PODZOLIC MINERAL HORIZONS.
10:30-10:45	ORAL 04: M. T. Domínguez et al. Univ. de Sevilla (Spain) #609. POTENTIAL BENEFITS OF CONSERVATION TILLAGE ON THE STABILITY OF SOIL FERTILITY, BIODIVERSITY AND CROP PRODUCTIVITY AGAINST RAINFALL REDUCTION IN MEDITERRANEAN AGROECOSYSTEMS.
10:45-11:00	ORAL 05: N. Pacay-Barrientos et al. Tech. Univ. of Munich, Freising (Germany) #658. SOIL ORGANIC MATTER STORAGE AND COMPOSITION AS MEDIATED BY LAND USE INTENSITY AND PEDOGENIC AND CLIMATIC FACTORS IN TEMPERATE GRASSLANDS.
<b>11:00-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
<b>12:00-13:00</b>	<b>SESSION: GT03. SOIL BIOGEOCHEMISTRY</b> <b>Chairs: T. Z. Lerch (IEES-Paris) and A. Delgado (University of Seville)</b>
12:00-12:15	ORAL 06: I. Ollio et al. Univ. Politécnica de Cartagena (Spain) #96. PLANT GROWTH-PROMOTING MICROORGANISMS CAN REDUCE CO <sub>2</sub> EMISSIONS AND ENHANCE POTATO QUALITY UNDER MEDITERRANEAN CONDITIONS.
12:15-12:30	ORAL 07: J. N. Cantero et al. Univ. de Sevilla (Spain) #542. OVERCOMING THE LIMITATIONS AT DETERMINING MICROBIAL P IN SOIL: ALTERNATIVES TO THE CLASSIC FUMIGATION-EXTRACTION PROCEDURE.
12:30-12:45	ORAL 08: V. Almeida et al. Univ. of Trás-os-Montes and Alto Douro, Vila Real (Portugal) #568. MODELING THE EFFECT OF LIMING ON THE FUNCTIONING OF A WINEGROWING VERY ACIDIC SOIL.
12:45-13:00	ORAL 09: I. Schöning and M. Schrumpf. Max Planck Inst. for Biogeochem., Jena (Germany) #581. MICROBIAL BIOMASS OF CO <sub>2</sub> FIXING MICROORGANISMS IS STABILIZED IN LIGHT AS WELL AS MINERAL ASSOCIATED SOIL ORGANIC MATTER FRACTIONS OF FOREST SOILS.
12:45-13:00	ORAL09: T. Danise et al. Univ. of Campania "Luigi Vanvitelli", Caserta (Italy) #214. SOIL AND ENZYME STOICHIOMETRY IN THE EXTREME ENVIRONMENT OF MEFITE D'ANSANTO (SOUTHERN ITALY).
<b>13:00-14:30</b>	<b>LUNCH + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
<b>14:30-16:00</b>	<b>SESSION: GT03.1. Soil Greenhouse Gas Fluxes in Agricultural and Forest Systems: Measurements, Synthesis and Modelling</b> <b>Chairs: J. Álvaro-Fuentes (EEAD-CSIC) &amp; R. Zornoza (Univ. Politécnica Cartagena)</b>
14:30-14:45	ORAL 10: F. Horan et al. Univ. y College Dublin (Ireland) #530. EFFECT OF SWARD COMPOSITION, URINE DEPOSITION AND SEASON ON SOIL N <sub>2</sub> O EMISSIONS AND HERBAGE YIELD IN A TEMPERATE PASTURE.
14:45-15:00	ORAL 11: B. S. Just et al. Univ. of Vic – Central Univ. of Catalonia, Vic (Spain) #607. INTERACTIVE EFFECTS OF CARBON, PHOSPHORUS, AND MOISTURE ON SOIL GREENHOUSE GAS EMISSIONS REVEALED THROUGH AN INCUBATION STUDY.
15:00-15:15	ORAL 12: M. Mirzaei et al. Trinity College Dublin (Ireland) #644. MODULATING NITROUS OXIDE EMISSIONS THROUGH GRASSLAND SWARD COMPOSITION: A COMPARATIVE STUDY OF PERENNIAL RYEGRASS AND MULTISPECIES SWARDS.
15:15-15:30	ORAL 13: D. Fernández-Rodríguez et al. Univ. de Extremadura, Badajoz (Spain) #721. GREENHOUSE GAS MITIGATION IN RICE CULTIVATION THROUGH HOLM-OAK BIOCHAR APPLICATION AND ALTERNATE WETTING AND DRYING IRRIGATION.
15:30-15:45	ORAL 14: L. Crosetto et al. Univ. degli Studi di Torino (Italy) #826. EFFECTS OF ALTERNATE WETTING AND DRYING (AWD) ON DRIVING FACTORS CONTROLLING CH <sub>4</sub> EMISSIONS FROM RICE PADDY SOILS.
15:45-16:00	ORAL 15: T. Z. Lerch et al. IEES-Paris (France) #842. SPATIAL AND TEMPORAL VARIABILITY IN FOREST SOIL COMPACTION EFFECTS ON METHANE FLUXES AND ASSOCIATED BACTERIAL AND ARCHAEAL COMMUNITIES.
<b>16:00-16:30</b>	<b>COFFEE + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>

<b>16:30-18:00</b>	<b>SESSION: GT03.2. Optimizing Roots for Sustainable Crop Production in Europe, Lessons Learnt from EJP Soil and Other Soil Root Studies</b> <b>Chairs:</b> J. Mayer (Agroscope), I. Bertrand (INRAE UMR Eco&Soils) & R. Hood-Nowotny (BOKU)
16:30-16:45	ORAL 16: K. Bright et al. EPFL, Lausanne (Switzerland) #145. METAGENOMIC INSIGHTS INTO HOW MICROBIAL METABOLISM SHAPES ORGANIC CARBON CYCLING IN ALPINE RIPARIAN SOILS.
16:45-17:00	ORAL 17: T. G. Bárcena et al. Norwegian Inst. of Bioeconomy Res. (NIBIO), Ås (Norway) #383. THE FATE OF ABOVE- VS. BELOWGROUND CARBON INPUT FROM CONTRASTING COVER-CROP SPECIES IN A NORWEGIAN SOIL.
17:00-17:15	ORAL 18: J. Detrey et al. INRAE UMR Eco&Sols, Montpellier (France) #384. FIELD MEASUREMENT OF NET C RHIZODEPOSITION OF BARLEY, SORGHUM COVER CROP AND PERENNIAL HERBACEOUS ROWS OF A MEDITERRANEAN AGROFORESTRY SYSTEM.
17:15-17:30	ORAL 19: C. Fernández-Balado et al. BOKU Univ., Vienna (Austria) #456. ENHANCING BELOWGROUND CARBON INPUTS TO SOIL THROUGH VARIETY SELECTION: A CASE STUDY IN WINTER WHEAT USING A <sup>13</sup> CO <sub>2</sub> MULTIPLE-PULSE LABELLING APPROACH.
17:30-17:45	ORAL 20: P. Illmer et al. Univ. Innsbruck (Austria) #536. REDUCED ATMOSPHERIC PRESSURE AFFECTS SOIL MICROORGANISMS IN ALPINE PLANT RHIZOSPHERES.
17:45-18:00	ORAL 21: C. Poll et al. Univ. of Hohenheim, Stuttgart (Germany) #550. HOW DOES THE COMBINATION OF ROOT-CONTRASTED PHENOTYPES INFLUENCE THE MICROBIAL COMMUNITY AND NUTRIENT FLOW UNDER DIFFERENT WATER REGIMES?
<b>18:00-18:20</b>	<b>FLASH ORAL SESSION (GT03)</b> <b>Chair:</b> D. Fernández-Rodríguez (Univ. Extremadura)
18:00-18:05	FLASH GT03-1: M. Laub et al. ETH Zürich (Switzerland) #151. SIMULATING THE POTENTIAL TO INCREASE MAIZE YIELDS AND MITIGATE CLIMATE CHANGE BY ADOPTING INTEGRATED SOIL FERTILITY MANAGEMENT ACROSS DIFFERENT REGIONS IN KENYA.
18:05-18:10	FLASH GT03-2: V. Jílková and M. Libra. Biology Centre CAS, Brno (Czech Republic) #218. DOMINANCE OF TEMPERATURE, CHEMICAL RECALCITRANCE AND ORGANO-MINERAL PROTECTION IN PRIMING EFFECT REGULATION.
18:10-18:15	FLASH GT03-3: Y.-J. Jeong et al. Nat. Institute of Agric. Sci. Rural Develop. Admin., Wanju-Gun (South Korea) #666. INDIRECT NITROUS OXIDE EMISSIONS FROM REPRESENTATIVE STREAMS IN AGRICULTURAL WATERSHED IN SOUTH KOREA.
18:15-18:20	FLASH GT03-4: L. Crosetto et al. Univ. degli Studi di Torino (Italy) #854. DEVELOPMENT OF AN AUTOMATED NDIR-BASED SYSTEM FOR CO <sub>2</sub> SOIL FLUX ANALYSIS.
<b>18:30-19:00</b>	<b>FLASH ORAL SESSION (GT13 &amp; GT16)</b> <b>Chair:</b> M. García-Carmona (Univ. Miguel Hernández)
18:30-18:35	FLASH GT13-1: C. De Feudis et al. Univ. of Milano-Bicocca (Italy) #738. SOILS IN THE CITY: CHEMICAL AND PHYSICAL PROPERTIES OF GREEN AREAS IN MILAN (ITALY), WITH A FOCUS ON COMPACTION.
18:35-18:40	FLASH GT13-2: M. Coudene et al. Univ. de Neuchâtel (Switzerland) #836. CHARACTERIZATION OF URBAN SOIL STRUCTURE THROUGH X-RAY MCT ANALYSIS.
18:40-18:45	FLASH GT13-3: T. Alía López et al. Univ. Complutense de Madrid (Spain) #457. HEALTHY SOILS, HEALTHY CITIES: ASSESSING SOIL QUALITY IN URBAN GREEN SPACES.
18:45-18:50	FLASH GT13-4: A. Di Serio et al. Univ. of Salerno, Fisciano (Italy) #741. ENHANCING URBAN SOIL FUNCTIONALITY THROUGH ORGANIC AMENDMENTS: EFFECTS ON CARBON DYNAMICS, MICROBIAL BIODIVERSITY AND VEGETATION PHYSIOLOGY.
18:50-18:55	FLASH GT13-5: P. Matias et al. Univ. of Algarve, Faro (Portugal) #815. THE EFFECT OF SOIL MANAGEMENT PRACTICES ON SOIL CARBON STORAGE IN URBAN GREEN SPACES WITH PINUS PINEA
18:55-19:00	FLASH GT16-1: K. Crnec and B. Vrščaj. Faculty of Environ. Protection, Velenje (Slovenia) #436. RAISING SOIL AWARENESS IN PRIMARY AND SECONDARY SCHOOLS THROUGH INDOOR WORKSHOPS - DESIGN AND LESSONS LEARNED.
<b>20:30-Late</b>	<b>GALA DINNER</b>

## MEZQUITA Hall (Auditorium F, First floor)

### Wednesday 10<sup>th</sup>

<b>09:45- 11:00</b>	<b>SESSION: GT17. SOILS AT THE CROSSROADS: SOCIETY, POLICIES, AND PARTICIPATORY SCIENCE</b> <b>Chair:</b> J. Mataix-Solera (Univ.Miguel Hernández) and S. Demir (Isparta Univ.)
09:45-10:00	ORAL 01: K. Kalkan et al. Biosense Institute, Novi Sad (Serbia) #54. THE ROLE OF CITIZEN SCIENCE IN CONNECTING PEOPLE WITH SOIL: A CASE STUDY FROM VOJVODINA, NORTHERN SERBIA.
10:00-10:15	ORAL 02: T. Pinto-Correia et al. MED/CHANGE, Évora (Portugal) #282. CLOSE AND LONG TERM COLLABORATION AS A WAY TO PROMOTE SOIL HEALTH: COMPLEMENTARITIES BETWEEN A LIVING LAB AND AN INFORMAL NETWORK.
10:15-10:30	ORAL 03: S. Raous et al. French Soil Sci. Soc. (AFES), Orléans (France) #350. THE FRENCH NETWORK FOR PARTICIPATORY SOIL SCIENCE.
10:30-10:45	ORAL 04: T. Sandén et al. AGES, Vienna (Austria) #378. EMPOWERING STAKEHOLDERS TO DRIVE FARMING SYSTEM TRANSITION: CONVERSATIONS ON AGROECOLOGY.
10:45-11:00	ORAL 05: R. González et al. Univ. de La Salle, Bogota (Colombia) #545. MODIFYING SOILS AND CULTURE AS A RESPONSE TO DYING CHILDREN AND EXTREME WEATHER CONDITIONS BY THE WAYUU INDIGENOUS COMMUNITY IN COLOMBIA.
<b>11:00-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 2</b> (POSTERS GTs: 3,4,6,7,14,15 and 16)
<b>12:00-13:00</b>	<b>SESSION: GT17. SOILS AT THE CROSSROADS: SOCIETY, POLICIES, AND PARTICIPATORY SCIENCE</b> <b>Chair:</b> T. Pinto-Correia (MED/CHANGE) and A. Girona (IMIB-CSIC-Univ.Oviedo)
12:00-12:15	ORAL 06: D. Sauer et al. Univ. of Goettingen (Germany) #617. HOW ARE PEOPLE IN EUROPE CONNECTED TO SOIL? OUTCOMES OF A SURVEY ACROSS EIGHT EUROPEAN COUNTRIES.
12:15-12:30	ORAL 07: L. Sahakyan et al. Center Ecol.-Noosphere Studies, Yerevan (Armenia) #734. MULTIDISCIPLINARY APPROACH TOWARD SOIL STUDIES: CHALLENGES AND ACHIEVEMENTS FROM ARMENIA.
12:30-12:45	ORAL 08: S. Demir and L. Basayigit. Isparta Univ. of Appl. Sci. (Turkey) #828. A SPATIAL ANALYSIS OF HUMAN-SOIL INTERACTIONS USING REMOTE SENSING AND SOIL DATA: IMPACTS OF THE CONFLICT IN UKRAINE ON FOOD SECURITY.
12:45-13:00	ORAL 09: B. Shrestha et al. Agric. and Agri-Food Canada, Beaverlodge (Canada) #863. PEACE REGION LIVING LAB: A MULTI-STAKEHOLDERS INITIATIVE FOR AGRICULTURAL CLIMATE SOLUTIONS.
<b>13:00-14:30</b>	<b>LUNCH + EXPO + POSTERS SESSION 2</b> (POSTERS GTs: 3,4,6,7,14,15 and 16)
<b>14:30-15:45</b>	<b>SESSION: GT17. SOILS AT THE CROSSROADS: SOCIETY, POLICIES, AND PARTICIPATORY SCIENCE</b> <b>Chair:</b> To be confirmed
14:30-14:45	ORAL 10: F.F. Boivin et al. HES-SO HEIA-FR ITEC, Fribourg (Switzerland) #624. LASOL: A LIVING LAB TO HELP INTEGRATE SOIL PROTECTION INTO SPATIAL PLANNING AND CONSTRUCTION.
14:45-15:00	ORAL 11: E. Arellano et al. Pontificia Univ. Católica de Chile, Santiago (Chile) #662. LOCAL KNOWLEDGE OF SOIL HEALTH IN SMALLHOLDERS AGROECOLOGICAL FARMING SYSTEMS OF THE ANDEAN FOOTHILLS.
15:00-15:15	ORAL 12: R. Castellán et al. Benemérita Univ. Autónoma de Puebla (Mexico) #818. ANALYSIS OF THE SUSTAINABILITY OF COFFEE PLANTATIONS IN THE MUNICIPALITY OF CUETZALAN DEL PROGRESO, PUEBLA, MEXICO.
15:15-15:30	ORAL 13: J. Maciulaitis and J. Volungevicius. Vilnius Univ. (Lithuania) #126. INTEGRATED LANDSCAPE APPROACH TO AGROECOSYSTEM MANAGEMENT FOR HARMONISING THE USE OF GEOECOLOGICAL AND AGROECOLOGICAL POTENTIAL: INSIGHTS FROM A LITHUANIAN CASE STUDY.
15:30-15:45	ORAL 14: A. Gömöri et al. Hungarian Soil Sci. Soc., Miskolc (Hungary) #856. ROOTSS – INTRODUCING OPEN AND RESPONSIBLE RESEARCH AND INNOVATION (ORRI) IN SOIL SCIENCE: A HUNGARIAN CASE ALIGNED WITH THE EU SOIL MISSION.
15:45-16:00	ORAL 15: C. Laurent et al. Free Univ. of Bolzano (Italy) #111. BRIDGING CITIZEN SCIENCE GENERATED DATA AND SOIL LAB ANALYSES: UNDERSTANDING THE VARIABILITY AND INSIGHTS.
<b>16:00-16:30</b>	<b>COFFEE + EXPO + POSTERS SESSION 2</b> (POSTERS GTs: 3,4,6,7,14,15 and 16)

<b>16:30-17:30</b>	<b>SESSION: GT17. SOILS AT THE CROSSROADS: SOCIETY, POLICIES, AND PARTICIPATORY SCIENCE</b> <b>Chair: F. Boivin (HES-SO HEIA-FR ITEC)</b>
16:30-16:45	ORAL 16: K. Tammik et al. Centre of Estonian Rural Res. and Knowledge, Jõgeva (Estonia) #203. SUSTAINABILITY INCENTIVES IN CERTIFIED SEED PRODUCTION: LINKING SOIL HEALTH, MARKET SIGNALS, AND FARMER BEHAVIOR.
16:45-17:00	ORAL 17: R. González et al. Univ. de La Salle, Bogota (Colombia) #545. MODIFYING SOILS AND CULTURE AS A RESPONSE TO DYING CHILDREN AND EXTREME WEATHER CONDITIONS BY THE WAYUU INDIGENOUS COMMUNITY IN COLOMBIA.
17:00-17:15	ORAL 18: To be confirmed #
17:15-17:30	ORAL 19: To be confirmed #
<b>17:30-18:10</b>	<b>FLASH ORAL SESSION (GT04)</b> <b>Chairs: L. Gismero-Rodríguez (IG-CSIC) &amp; C. Joly (CEFE-CNRS)</b>
17:30-17:35	FLASH GT04-1: P. R. Guayasamín et al. Univ. Estatal Amazónica, Puyo (Ecuador) #14. BIOCHAR EFFECTS ON ANT COMMUNITY COMPOSITION IN ENRICHED SECONDARY FORESTS OF THE ECUADORIAN AMAZON.
17:35-17:40	FLASH GT04-2: G. Bartolomeo et al. Univ. of Trieste, Trieste, Italy #73. GRAPHITE FOR GRAPHENE: DIGGING INTO THE DIVERSITY OF PRIMARY DEGRADING MICROORGANISMS.
17:40-17:45	FLASH GT04-3: R. N. Ter Borg et al. Swedish Univ. of Agricu. Sci., Uppsala (Sweden) #302. QUANTIFICATION OF FIELD EARTHWORM BURROWING RATES USING REGULAR X-RAY SCANNING DURING A GROWING SEASON.
17:45-17:50	FLASH GT04-4: O. Azevedo et al. Forest Research, Roslin (United Kingdom) #372. BELOWGROUND BIODIVERSITY DYNAMICS DURING WOODLAND DEVELOPMENT: INSIGHTS FROM A UK FOREST CHRONOSEQUENCE STUDY.
17:50-17:55	FLASH GT04-5: S. Ramelli et al. Univ. of Parma, Parma, Italy #425. AGROPHOTOVOLTAIC SYSTEM SHAPES SOIL ARTHROPOD COMMUNITY STRUCTURE: INTERACTIONS BETWEEN MICROCLIMATE, CROP DEVELOPMENT, AND EDAPHIC FACTORS.
17:55-18:00	FLASH GT04-6: C. Chiodi et al. Univ. of Padova (Italy) #760. TREE SPECIES AND SOIL HORIZONS SHAPE FUNGAL COMMUNITIES IN ITALIAN BEECH AND SPRUCE FORESTS.
18:00-18:05	FLASH GT04-7: O. I. Halima et al. Hassan II Inst. for Agron. and Vet. Med. Rabat, (Morocco) #779. SOIL MICROBIAL BIOMASS UNDER NO-TILL PRACTICE AND CONVENTIONAL TILLAGE IN A VERTISOL OF CENTRAL MOROCCO.
18:05-18:10	FLASH GT04-8: M. C Hernandez-Soriano et al. John Innes Centre, Norwich (United Kingdom) #586. INNOVATIVE CRISPR SOLUTIONS FOR OPTIMISING NITROGEN MANAGEMENT IN AGRICULTURE – ICON.
<b>18:20-18:50</b>	<b>FLASH ORAL SESSION (GT14)</b> <b>Chairs: M. A. Jiménez-González (Univ. Autónoma Madrid) and A. Lázaro-López (INIA-CSIC)</b>
18:20-18:25	FLASH GT14-1: G. Belvisi et al. Univ. of Palermo (Italy) #600. COLLECTION AND HARMONIZATION OF LEGACY SOIL DATA TO SUPPORT DIGITAL SOIL MAPPING IN SICILY (SOUTHERN ITALY).
18:25-18:30	FLASH GT14-2: F. Shahbazi et al. Univ. of Tabriz (Iran) #122. DO ADVANCED MAPPING TECHNIQUES CORRESPOND TO THE SPATIAL VARIABILITY OF SOIL GLOMALIN?
18:30-18:35	FLASH GT14-3: J. H. Marques et al. Univ. de Évora (Portugal) #817. PRECISION AGRICULTURE IN SILVOPASTORAL SYSTEMS: A CASE STUDY FROM THE MONTADO (PART I – CONE PENETROMETER APPLICATIONS).
18:35-18:40	FLASH GT14-4: P. -H. Wu. National Taiwan Univ., Taipei (Taiwan) #84. USING DATA FUSION OF FOUR PROXIMAL SENSORS TO DIAGNOSE HORIZONS AND CLASSIFICATION CATEGORY OF ANDISOLS IN TAIWAN.
18:40-18:45	FLASH GT14-5: R. Mokere et al. Mohammed VI Polytech. Univ., Benguerir (Morocco) #106. OPTIMIZED SPECTRAL PREPROCESSING AND FEATURE SELECTION FOR ACCURATE SOIL PROPERTY MODELLING WITH PLSR.
18:45-18:50	FLASH GT14-5: R. Mokere et al. Mohammed VI Polytech. Univ., Benguerir (Morocco) #106. OPTIMIZED SPECTRAL PREPROCESSING AND FEATURE SELECTION FOR ACCURATE SOIL PROPERTY MODELLING WITH PLSR.
<b>20:30-Late</b>	<b>GALA DINNER</b>

***THURSDAY 11<sup>th</sup> SEPTEMBER 2025***

**AL' ANDALUS Auditorium (Main Auditorium A, Ground floor)****Thursday 11<sup>th</sup>**

<b>09:30-10:15</b>	<b>PLENARY CONFERENCE</b> <b>Title: Soil Biodiversity and Ecosystem Function Under Global Change</b> <b>Dr. Manuel Delgado-Baquerizo, (IRNAS-CSIC, Spain)</b>
<b>10:15-11:30</b>	<b>SESSION: GT07. SOIL AMENDMENTS &amp; FERTILIZERS</b> <b>Biostimulants</b> <b>Chair: M. Delgado-Baquerizo, (IRNAS-CSIC)</b>
10:15-10:30	ORAL 40: Dmytro Yakovenko et al. Inst. Agroecology & Environ. Management, Kyiv (Ukraine) #809. MULTIFUNCTIONAL ROLE OF MICROBIAL BIOLOGICALS IN SOIL RESTORATION AND SUSTAINABLE CROP PRODUCTION.
10:30-10:45	ORAL 41: M. T. Gebremikael et al. Aarhus Univ. (Denmark) #654. THE EFFICACY OF PLANT BIOSTIMULANTS ON SNACK CARROTS YIELD, QUALITY, AND SOIL MICROBIAL ACTIVITIES.
10:45-11:00	ORAL 42: M. T. Gebremikael et al. Aarhus Univ. (Denmark) #393. UNLOCKING THE POWER OF COMPOST MICROBIOMES FOR SUSTAINABLE AGRICULTURE.
11:00-11:15	ORAL 43: L. Baert et al. Ghent Univ. (Belgium) #342. CHITIN AMENDMENT IN SOIL: EFFECTS OF CHITIN SOURCE AND PARTICLE SIZE ON SOIL PHYSICAL PROPERTIES UNDER VARIABLE ENVIRONMENTAL CONDITIONS.
11:15-11:30	ORAL 44: S. Kamah Darkaoui et al. Trichodex, Grupo Fertiberia, Seville (Spain) HARNESSING SOIL MICROBIOMES FOR SUSTAINABLE CROP RESILIENCE.
<b>11:30-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
<b>12:00-13:00</b>	<b>SESSION: GT07. SOIL AMENDMENTS &amp; FERTILIZERS</b> <b>Biopolymers</b> <b>Chair: M.T. Dominguez (Univ. Sevilla) and K. Akdi (Trichodex-Fertiberia)</b>
12:00-12:15	ORAL 45: S. Paliaga et al. Univ. Palermo (Italy) #401. FERTILIZER ENRICHED BIO-BASED MULCH FILMS INCREASE NITROGEN AND PHOSPHORUS AVAILABILITY AND STIMULATE SOIL MICROBIAL BIOMASS AND ACTIVITY.
12:15-12:30	ORAL 46: M. Brtnicky et al. Univ. Brno (Czech Republic) #732. ARE BIODEGRADABLE PLASTICS SAFE FOR SOIL APPLICATIONS?
12:30-12:45	ORAL 47: M. Prendergast-Miller et al. Northumbria Univ., Newcastle Upon Tyne (United Kingdom) #481. BIODEGRADATION OF WOOL IN SOIL: TEXTILE CIRCULARITY AND SOIL HEALTH.
12:45-13:00	ORAL 48: M. Molina-Roco et al. Univ. de Los Lagos, Osorno (Chile) #823. HUMIC SUBSTANCES FOR AMELIORATING AL TOXICITY OF BARLEY GENOTYPES IN AN ANDISOL.
<b>13:00-13:45</b>	<b>AWARDS, CONCLUSIONS &amp; CLOSING CEREMONY</b>
<b>14:00-15:30</b>	<b>FAREWELL PARTY</b>



# ITALICA Auditorium (Auditorium B, First floor)

## Thursday 11<sup>th</sup>

<b>10:15-11:30</b>	<b>SESSION: GT14. SOIL DATA ACQUISITION, CURATION, SHARING &amp; MODELLING</b> <b>Linking Process Modelling and Digital Soil Mapping</b> <b>Chair: E. Vaudour (Univ. Paris-Saclay)</b>
10:15-10:30	ORAL 13: P. Scheffer et al. Utrecht Univ. (The Netherlands) #678. DYNAMIC MODELLING OF HYDROLOGY AND SOIL EROSION TO PROVIDE PROCESS-BASED PREDICTORS FOR DIGITAL SOIL MAPPING.
10:30-10:45	ORAL 14: L. Pásztor et al. Inst. for Soil Sci., HUN-REN Centre for Agric. Res., Budapest (Hungary) #726. FROM GSM-CONFORM PRIMARY SOIL PROPERTY MAPS TO 3D SOIL HYDRAULIC DATABASES AND BEYOND.
10:45-11:00	ORAL 15: H. Chaif et al. INRAE, Aix-En-Provence (France) #169. IMPACT OF IMPROVED SOIL PROPERTIES REPRESENTATION IN THE DYNAMIC GLOBAL VEGETATION MODEL LPJML.
11:00-11:15	ORAL 16: M. A. Tufail et al. Univ. of Bern (Switzerland) #846. OPTIMIZING N <sub>2</sub> O EMISSION PREDICTIONS: A META-ANALYSIS COMPARING PROCESS-BASED MODELS ACROSS SUB-SAHARAN AFRICAN SOILS.
11:15-11:30	ORAL 17: C. Dönmez et al. Leibniz Centre for Agric. Landscape Res., Müncheberg (Germany) #275. ADVANCING THE REUSE OF LONG-TERM FIELD EXPERIMENTS DATA THROUGH AN OPEN-ACCESS PLATFORM.
<b>11:30-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
<b>12:00-13:00</b>	<b>SESSION: GT14. SOIL DATA ACQUISITION, CURATION, SHARING &amp; MODELLING</b> <b>Data Platforms and Digital Soil Mapping for Soil Monitoring</b> <b>Chair: P. Scheffer (Utrecht Univ.)</b>
12:00-12:15	ORAL 18: A. Lázaro-López et al. INIA-CSIC, Madrid (Spain) #682. INTEGRATION OF THE EUROPEAN SOIL MONITORING NETWORK LUCAS AND THE STATE-WIDE PEPAC: IMPROVING THE PREDICTION OF SOIL ORGANIC CARBON STOCK IN SPAIN.
12:15-12:30	ORAL 19: D. Fernández and C. Rodríguez. Fléttan, Reykjavík (Iceland) #251. EO-BASED SOIL EROSION MAPPING IN ARCTIC REGIONS.
12:30-12:45	ORAL 20: S. Fatholouloumi and A. Biswas. Univ. of Guelph (Canada) #25. ENHANCING SOIL MOISTURE PREDICTION ACCURACY WITH DIGITAL SOIL MAPPING-BASED COVARIATES.
12:45-13:00	ORAL 21: I. Dridi et al. Univ. of Tunis El Manar, Tunis (Tunisia) #64. THE SHARING-MED INITIATIVE: STANDARDIZING SOIL SAMPLING METHODOLOGIES FOR IMPROVED AGRICULTURAL SUSTAINABILITY IN THE MEDITERRANEAN.
13:00-13:15	ORAL 22: D. Fomin et al. V.V. Dokuchaev Soil Sci. Institute, Moscow (Russia) #789. DIGITAL TWIN OF AGROLANDSCAPE SOILS: A TOOL FOR SOLVING SCIENTIFIC AND APPLIED PROBLEMS.
<b>14:00-15:30</b>	<b>FAREWELL PARTY</b>

## RONDA Hall (Auditorium C, First floor)

### Thursday 11<sup>th</sup>

<b>10:15-11:30</b>	<b>SESSION: GT04. SOIL BIOLOGY</b> <b>Chair: Stefanie Heinze (Ruhr Univ. Bochum)</b>
10:15-10:30	ORAL 22: L. Maggioli et al. Univ. of Almería (Spain) #745. TOWARD SCALABLE BIOCRUST RESTORATION: THE SUCCESSFUL RECIPE FOR CYANOBACTERIAL INOCULUM COLONIZATION.
10:30-10:45	ORAL 23: J. Fernandez-Galera et al. EEZA-CSIC, Almería (Spain) #860. GREENHOUSE GAS FLUXES MEDIATED BY BIOCRUST TYPE IN SEMIARID ECOSYSTEMS.
10:45-11:00	ORAL 24: M. Guiese et al. Edmund Mach Foundation, Trento (Italy) #782. IMPACT OF DOMESTICATION ON ROOT MICROBIOTA: A COMPARISON BETWEEN CULTIVATED AND WILD VARIETIES BIODIVERSITY.
11:00-11:15	ORAL 25: M. Caors et al. CNRS/IRD/CNES, Toulouse (France) #374. DEEP SOIL MICROBIOTA AND THEIR FUNCTIONING: HIDDEN PARTNERS FOR AGROFORESTRY IN THE TROPICS?
11:15-11:30	ORAL 26: O. Azevedo et al. Forest Res., Roslin (United Kingdom) #755. LEGACY EFFECTS OF EXPERIMENTAL STRESS ON ECTOMYCORRHIZAL FUNGAL COMMUNITIES IN OAK TREES.
<b>11:30-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
<b>12:00-13:00</b>	<b>SESSION: GT04. SOIL BIOLOGY</b> <b>Biodiversity Assessment and Monitoring</b> <b>Chair: L. Maggioli (Univ. de Almería)</b>
12:00-12:15	ORAL 27: A. Rey et al. MNCN-CSIC, Madrid (Spain) #840. EDAPHOCLIMATIC STRESS CONDITIONS FAVOUR SOIL MICROBIAL DIVERSITY IN MARITIME PINE FORESTS.
12:15-12:30	ORAL 28: J. González-Canales et al. IMIDRA, Alcalá De Henares, Madrid (Spain) #359. SOIL ENZYME ACTIVITY MONITORING THROUGHOUT THE YEAR IN OLIVE ORCHARDS WITH COVER CROPS.
12:30-12:45	ORAL 29: K. Hoeffner et al. UMR SAS INRAe Institut Agro Rennes-Angers, Rennes (France) #512. CITIZEN-BASED IDENTIFICATION OF EARTHWORM MORPHOTYPES: INSIGHTS FROM A LARGE-SCALE BIODIVERSITY MONITORING NETWORK IN FRANCE.
12:45-13:00	ORAL 30: F. É. Félegyházi et al. Eötvös Loránd Univ., Budapest (Hungary) #853. DEPTH-RESOLVED MONITORING OF ARBUSCULAR MYCORRHIZAL FUNGAL COMMUNITIES DURING TRANSITION TO REGENERATIVE AGRICULTURE.
<b>14:00-15:30</b>	<b>FAREWELL PARTY</b>

# BAHIA Hall (Auditorium D, First floor)

## Thursday 11<sup>th</sup>

<b>10:15-11:30</b>	<b>SESSION: GT16. SOIL LITERACY EDUCATION, &amp; ART</b> <b>Chair:</b> L. B. Reyes-Sánchez (Univ. Nacional Autónoma de México)
10:15-10:30	ORAL 01: R. Delgado Calvo-Flores et al. Univ. de Granada (Spain) #905. THE BOOK: SCANNING ELECTRON MICROSCOPY (SEM) OF SOILS AND OTHER MATERIALS. ATLAS OF IMAGES.
10:30-10:45	ORAL 02: A. I. Machado et al. Univ. of Aveiro, Aveiro (Portugal) #761. RAISING SOIL LITERACY TO CATALYSE SOCIETAL CHANGES: THE CURIOSOIL APPROACH.
10:45-11:00	ORAL 03: S. Mantel. ISRIC World Soil Information, Wageningen (The Netherlands) #753. TALES OF THE SOIL: STORYTELLING AS A WAY TO INCREASE SOIL LITERACY.
11:00-11:15	ORAL 04: P. Simoncic et al. Slovenian Forestry Inst., Ljubljana (Slovenia) #729. SOIL: OUR INVISIBLE ALLY – PROMOTING SUSTAINABLE SOIL MANAGEMENT THROUGH SCIENCE AND ART.
11:15-11:30	ORAL 05: R. L. Nánási. Found. Art and Nature gGmbH, Bad Heilbrunn (Germany) #561. FORUM NANTESBUCH - LIVING SOILS: AN INITIATIVE OF THE FOUNDATION ART AND NATURE FOSTERING SOIL LITERACY AND STEWARDSHIP ACROSS SOCIETY.
<b>11:30-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 2</b> (POSTERS GTs: 3,4,6,7,14,15 and 16)
<b>12:00-13:00</b>	<b>SESSION: GT16. SOIL LITERACY EDUCATION, &amp; ART</b> <b>Chairs:</b> R. Delgado Calvo-Flores (Univ. de Granada) and P. Simoncic (Slovenian Forest Inst.)
12:00-12:15	ORAL 06: A. Brauman et al. French Soil Sci. Soc., Orléans (France) #315. SOILSCAPE: SOIL ILLUSTRATED BY SCIENCE AN ART FOR PUBLIC EDUCATION.
12:15-12:30	ORAL 07: B. Vrščaj and K. Crnec. Faculty of Environ. Protection, Velenje (Slovenia) #437. OUTDOOR SOIL EDUCATION: LESSONS FROM SOIL SUMMER SCHOOLS.
12:30-12:45	ORAL 08: R. Antón et al. Univ. Pública de Navarra, Pamplona (Spain) #681. BUILDING KNOWLEDGE ABOUT THE SOILS AT THE LOCAL SCALE: THE CASE OF ORDUÑA (SPAIN).
12:45-13:00	ORAL 09: D. Arenas-Lago et al. Univ. de Vigo, Ourense (Spain) #652. EDUCATIONAL AND OUTREACH ACTIVITIES OF THE TERRITORIAL DELEGATION OF THE SPANISH SOCIETY OF SOIL SCIENCE (SECS) IN GALICIA.
<b>14:00-15:30</b>	<b>FAREWELL PARTY</b>

**MARISMAS Hall (Auditorium E, First floor)****Thursday 11<sup>th</sup>**

<b>10:15-11:30</b>	<b>SESSION: GT13. LAND FRAGMENTATION, URBAN &amp; ANTHROPOGENIC SOILS</b> <b>Chair: I. Mikajlo (IEES-Paris)</b>
10:15-10:30	ORAL 01: C. Kabala et al. Wroclaw Univ of Environ. and Life Sci., Wroclaw (Poland) #196. THE RISK FOR HUMAN HEALTH FROM THE SOILS OF URBAN GARDENS ESTABLISHED IN RECLAIMED CLAY PITS.
10:30-10:45	ORAL 02: A. Salvucci et al. Polytech. Univ. of Marche, Ancona (Italy) #318. DE-SEALING OF URBAN SOIL AND CONTAMINATION RISK: A CASE STUDY FROM THE REUSES PROJECT.
10:45-11:00	ORAL 03: N. Golob et al. Univ. of Ljubljana (Slovenia) #406. FROM ASH TO AGRO: ASSESSING PROPERTIES OF A THIN TECHNOSOL FOR AGRICULTURAL VIABILITY.
11:00-11:15	ORAL 04: G. Mastrodonardo et al. Univ. di Firenze (Italy) #468. USE OF WASTE MATERIALS AS FEASIBLE STRATEGY FOR URBAN DE-SEALED SOIL RECLAMATION: EVIDENCE FROM A RESTORATION CASE STUDY IN PRATO, ITALY.
11:15-11:30	ORAL 05: H. Huot et al. Inst. of Ecol. and Environ. Sci. of Paris (France) #709. THE EFFECTS OF THE TYPE AND DEGREE OF COMPACTION OF URBAN SOILS ON THE GROWTH AND RESPONSE TO WATER DEFICITS OF HERBACEOUS PLANTS.
<b>11:30-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 2 (POSTERS GTs: 3,4,6,7,14,15 and 16)</b>
<b>12:00-13:00</b>	<b>SESSION: GT13. LAND FRAGMENTATION, URBAN &amp; ANTHROPOGENIC SOILS</b> <b>Chair: G. Mastrodonardo (Univ. Firenze)</b>
12:00-12:15	ORAL 06: I. Mikajlo et al. iEES-Paris (France) #838. CONSTRUCTING TECHNOSOLS FOR URBAN GREEN SPACES: OPTIMIZING FUNCTIONALITY THROUGH TEXTURE AND ORGANIC MATTER CONTENT.
12:15-12:30	ORAL 07: T. Künnemann et al. INRAE, URCA, UMR FARE, Reims (France) #387. LITTER C:N RATIO AND SOIL WATER RETENTION DRIVE EARLY CO <sub>2</sub> AND N <sub>2</sub> O EMISSIONS FROM RECYCLED LITTER ON URBAN LAWNS.
<b>14:00-15:30</b>	<b>FAREWELL PARTY</b>

# MEZQUITA Hall (Auditorium F, First floor)

## Thursday 11<sup>th</sup>

<b>10:15-12:45</b>	<b>WORKSHOP Evenor Tech: From Zero to Hero: Practical Insights into Living Labs and Lighthouses for Soil Management</b> <b>Chairs:</b> D. Soto-Gómez (Univ. of Burgos), F. J. Blanco-Velázquez (Evenor-Tech), F. Á. González-Peñaloza (Evenor-Tech) and Y. Chourak (BETA Tech. Center)
10:15-10:30	Welcome and Introduction
10:30-10:50	Conceptual Foundations: From concept to practice What are Living Labs and Lighthouses?
10:50-11:50	Case Studies
	J. Silva (Ecoterrae) Cost-effective Soil Carbon Monitoring for Carbon Farming
	Y. Chourak et al. (Univ. de Vic) The Catalan Living Lab of the DeliSoil Project: A Multi-Stakeholder Initiative for Advancing Soil Health within a Circular Economy Framework
	D. M. Ribeiro-Santos (Food4sustainability) LILAS4SOILS: Carbon Farming in the Mediterranean Region
	M. Jurado-Rodríguez (Univ. de Jaén) Andalusian Living Lab – LivingSoiLL: Transition Towards Healthy Soils in More Resilient and Productive Olive Groves in Andalusia
	C. C. Ribeiro-Carlos (Univ. Trás-os-Montes and Alto Douro) To be confirmed.
<b>11:30*-12:00</b>	<b>COFFEE + EXPO + POSTERS SESSION 2</b> (POSTERS GTs: 3,4,6,7,14,15 and 16)
12:00-12:30	Roundtable & Open Discussion
12:30-12:45	Wrap-up & Next Steps
<b>14:00-15:30</b>	<b>FAREWELL PARTY</b>

EUROSOIL 2025							
AL ANDALUS AUDITORIUM (A, Ground floor)		ITALICA AUDITORIUM (B, First floor)	RONDA HALL (C, First floor)		BAHIA HALL (D, First floor)	MARISMAS HALL (E, First floor)	MEZQUITA HALL (F, First floor)
MONDAY 8th Sept							
9:00-10:00	Opening and presentation / Opening conference (Dr. Panos Panagos; EC JRC; Italy)						
10:00-10:45	Inaugural conference (Dr. Rattan Lal; Ohio State Univ. USA)						
10:45-11:30	Coffee+ expo + posters session I (GTs posters: EUSO, 1,2,5,8,9,10,11,12 and 17)						
11:30-13:00	GT09. SOIL HEALTH Conceptual Frameworks & Assessment I	GT07. SOIL AMENDMENTS AND FERTILIZERS: Circular Economy Approaches... I	GT10. SOIL CARBON DYNAMICS & STABILIZATION I	GT11. SOIL DEGRADATION, DESERTIFICATION	GT02. SOIL PHYSICAL CHEMISTRY. Soil structure and physical modelling	GT05. SOIL HYDROLOGY & EROSION	
13:00-14:30	Lunch+ expo + posters session I (GTs posters: EUSO, 1,2,5,8,9,10,11,12 and 17)						
14:30-16:00	GT09. SOIL HEALTH and Nutrient Cycling	Carbon	GT07. SOIL AMENDMENTS AND FERTILIZERS: Circular Economy Approaches... II	GT10. SOIL CARBON DYNAMICS & STABILIZATION II	GT11. SOIL DEGRADATION, DESERTIFICATION: Emerging pollutants and microplastics I	GT02. SOIL PHYSICAL CHEMISTRY Biogeochemical cycles and soil contaminants	GT12. SOIL NATURAL HAZARDS: FIRES, FLOODINGS, LANDSLIDES.
16:00-16:30	Expo + posters session I (GTs posters: EUSO, 1,2,5,8,9,10,11,12 and 17)						
16:30-18:00		GT07. SOIL AMENDMENTS AND FERTILIZERS: Circular Economy Approaches... III	GT10. SOIL CARBON DYNAMICS & STABILIZATION Land Uses for Carbon Enhancement	GT11. SOIL DEGRADATION, DESERTIFICATION: Emerging pollutants and microplastics II	FLASH ORAL SESSION (GT 01) till 17:00 FLASH ORAL SESSION (GT 11 & GT02)	FLASH ORAL SESSION (GT 09) till 17:05 FLASH ORAL SESSION (GT 10)	
18:00-19:00			WORKSHOP 1. SOIL HEALTH INSTITUTE		WORKSHOP 2.		
19:00-20:00	WELCOME CONCERT						
20:00-21:00	SPANISH WINE						
	AL ANDALUS AUDITORIUM (A, Ground floor)	ITALICA AUDITORIUM (B, First floor)	RONDA HALL (C, First floor)		BAHIA HALL (D, First floor)	MARISMAS HALL (E, First floor)	MEZQUITA HALL (F, First floor)
TUESDAY 9th Sept							
9:00-9:45	Plenary conference (Dr. Claire Chenu; INRAE, France)	Plenary conference (Prof. Laura B. Reyes Sánchez; Univ. Aut. Mexico, Mexico)					
9:45-11:00	GT09. SOIL HEALTH Management and Climate Strategies I	EUSO 5 <sup>th</sup> Stakeholders Forum		GT10. SOIL C DYNAMICS & STABILIZATION Carbon Characterization at the Pedon to Micro Scale, and Linking to the Landscape Scale I	GT11. SOIL DEGRADATION, DESERTIFICATION: Digital Tools and Monitoring	GT01. SOIL GENESIS, EVOL... Genesis, Properties, and Classification Challenges	GT08. SOIL, PLANT, WATER INTERACTIONS
11:00-12:00	Coffee+ expo + posters session I (GTs posters: EUSO, 1,2,5,8,9,10,11,12 and 17)						
12:00-13:00	GT09. SOIL HEALTH Management and Climate Strategies II	EUSO 5 <sup>th</sup> Stakeholders Forum		GT10. SOIL C DYNAMICS & STABILIZATION Carbon Characterization at the Pedon to Micro Scale, and Linking to the Landscape Scale II	GT11. SOIL DEGRADATION, DESERTIFICATION: Amendments and Soil Remediation	GT01. SOIL GENESIS, EVOL... Soils Though Time: From the Past to the Future I	GT08. SOIL, PLANT, WATER INTERACTIONS
13:00-14:30	Lunch+ expo + posters session I (GTs posters: EUSO, 1,2,5,8,9,10,11,12 and 17)						
14:30-16:00	GT09. SOIL HEALTH Monitoring Networks and Data Platforms	EUSO 5 <sup>th</sup> Stakeholders Forum		GT10. SOIL C DYNAMICS & STABILIZATION Management Practices and Soil Health	GT11. SOIL DEGRADATION, DESERTIFICATION: Phytoremediation	GT01. SOIL GENESIS, EVOL... Soils Though Time: From the Past to the Future II	GT08. SOIL, PLANT, WATER INTERACTIONS
16-16:30	Coffee + expo + posters session I (GTs posters: EUSO, 1,2,5,8,9,10,11,12 and 17)						
16:30-18:00	GT09. SOIL HEALTH Monitoring Networks (cont.) / Physical Structure and Hydrology	GT17.2 Digital Soil Mapping and Innovative Soil Monitoring Systems in the EU		GT10. SOIL C DYNAMICS & STABILIZATION Effects of Soil C Content in Soil Health	GT11.3. Soil Degradation in Mining and Industrial Areas: Assessment, Remediation, and Prevention Strategies	GT01. SOIL GENESIS, EVOL... Advances in Soil Mapping	GT08.1. Linking Vegetation Indices and Soil Properties: Advances in Measurement, Monitoring, and Modelling
18:00-19:00		GT17.2 Digital Soil Mapping and Innovative Soil Monitoring Systems in the EU		Spanish Society of Soil Sciences GENERAL ASSEMBLY	WORKSHOP 3. STEVENS + SOIL MOISTURE	FLASH ORAL SESSION (GT 08, GT05 & GT12) till 18:30 WORKSHOP 4	FLASH ORAL SESSION (GT 07)
	AL ANDALUS AUDITORIUM (A, Ground floor)	ITALICA AUDITORIUM (B, First floor)	RONDA HALL (C, First floor)		BAHIA HALL (D, First floor)	MARISMAS HALL (E, First floor)	MEZQUITA HALL (F, First floor)
WEDNESDAY 10th Sept							
9:00-9:45	Plenary conference (Dr. Peter Schad, Technical University of Munich, Germany)	Plenary conference (Prof. Heike Knicker; IG-CSIC, Spain)					
9:45-11:00	Status of the Soil World's Soil Resources Report 2025 (SWSRR) (FAO-GPS)	GT07. SOIL AMENDMENTS AND FERTILIZERS Mineral Fertilization I		GT10. SOIL C DYNAMICS & STABILIZATION Forest Soils	GT04. SOIL BIOLOGY Effects of Land Management on Soil Biota I	GT03. SOIL BIOGEOCHEMISTRY Changing Environment and Land-Use	GT17. SOILS AT THE CROSSROADS: SOCIETY, POLICIES, AND PARTICIPATORY SCIENCE
11:00-12:00	Coffee+ expo + posters session 2 (GTs posters: 3,4,6,7,14,15 and 16)						
12:00-13:00	GT09. SOIL HEALTH Biological and Biodiversity Indicators	GT07. SOIL AMENDMENTS AND FERTILIZERS Mineral Fertilization II		GT10. SOIL C DYNAMICS & STABILIZATION Amended Soils	GT04. SOIL BIOLOGY Effects of Land Management on Soil Biota II	GT03. SOIL BIOGEOCHEMISTRY	GT17. SOILS AT THE CROSSROADS: SOCIETY, POLICIES, AND PARTICIPATORY SCIENCE
13:00-14:30	Lunch+ expo + posters session 2 (GTs posters: 3,4,6,7,14,15 and 16)						
14:30-16:00	GT09. SOIL HEALTH	GT07. SOIL AMENDMENTS AND FERTILIZERS Chars as Soil Amendments & Impact on the Soil-Plant-Microorganism System I		GT14. SOIL DATA ACQUISITION, CURATION, SHARING & MODELLING (Remote Sensing)	GT04. SOIL BIOLOGY Effects of Land Management on Soil Biota III	GT03.1. Soil Greenhouse Gas Fluxes in Agricultural and Forest Systems: Measurements, Synthesis and Modelling	GT17. SOILS AT THE CROSSROADS: SOCIETY, POLICIES, AND PARTICIPATORY SCIENCE
16-16:30	Coffee+ expo + posters session 2 (GTs posters: 3,4,6,7,14,15 and 16)						
16:30-18:00	GT09. SOIL HEALTH Conceptual Frameworks & Assessment II	GT07. SOIL AMENDMENTS AND FERTILIZERS Chars as Soil Amendments & Impact on the Soil-Plant-Microorganism System II		GT14. SOIL DATA ACQUISITION, CURATION, SHARING & MODELLING (Proximal Sensing)	GT04. SOIL BIOLOGY Dynamics and Drivers	GT03.2. Optimizing Roots for Sustainable Crop Production in Europe, Lessons Learnt from EIP Soil and Other Soil Root Studies	GT17. SOILS AT THE CROSSROADS: SOCIETY, POLICIES, AND PARTICIPATORY SCIENCE (Till 17:30)
18:00-18:30			ECSSS GENERAL ASSEMBLY		WORKSHOP 5. BS55 (Paul Hallett and Andrew Morris)	FLASH ORAL SESSION (GT 03)	FLASH ORAL SESSION (GT 04) 17:30-18:10
18:30-19:30					FLASH ORAL SESSION (GT13 & GT16) (18:30-19:00)		FLASH ORAL SESSION (GT14) (18:20-18:50)
20:30-LATE	GALA DINNER (Abades Restaurant; Calle Betis)						
	AL ANDALUS AUDITORIUM (A, Ground floor)	ITALICA AUDITORIUM (B, First floor)	RONDA HALL (C, First floor)		BAHIA HALL (D, First floor)	MARISMAS HALL (E, First floor)	MEZQUITA HALL (F, First floor)
THURSDAY 11th Sept							
9:30-10:15	Plenary conference (Dr. Manuel Delgado-Baquerizo. IRNAS-CSIC, Spain)						
10:15-11:30	GT07. SOIL AMENDMENTS & FERTILIZERS Biostimulants	GT14. SOIL DATA ACQUISITION, CURATION, SHARING & MODELLING Linking Process Modelling and Digital Soil Mapping		GT04. SOIL BIOLOGY	GT16. SOIL LITERACY EDUCATION, & ART	GT13. LAND FRAGMENTATION, URBAN & ANTHROPOGENIC SOILS	WORKSHOP Evenor Tech: From Zero to Hero: Practical Insights into Living Labs and Lighthouses for Soil Management
11:30-12:00	Coffee+ expo + posters session 2 (GTs posters: 3,4,6,7,14,15 and 16)						
12:00-13:00	GT07. SOIL AMENDMENTS & FERTILIZERS Biopolymers	GT14. SOIL DATA ACQUISITION, CURATION, SHARING & MODELLING Data Platforms and Digital Soil Mapping for Soil Monitoring (12:00-13:15)		GT04. SOIL BIOLOGY Biodiversity Assessment and Monitoring	GT16. SOIL LITERACY EDUCATION, & ART	GT13. LAND FRAGMENTATION, URBAN & ANTHROPOGENIC SOILS (12:00-12:30)	WORKSHOP Evenor Tech (cont.) Roundtable & Open Discussion Wrap-up & Next Step
13:00-13:45	AWARDS, CONCLUSIONS & CLOSING CEREMONY						
14:00-15:30	FAREWELL PARTY						