



SOILS ŌTAUTAHĪ 2026

BUILDING RESILIENT FUTURES FOR SOILS
CONNECTING SCIENCE, LAND, AND PEOPLE FOR RESILIENT SOILS

CHATEAU ON THE PARK, ŌTAUTAHĪ CHRISTCHURCH
30TH NOVEMBER - 3RD DECEMBER 2026

DAY ONE: Monday 30 November 2026	
7:30am	Registration Desk Opens (Chateau on the Park Foyer)
8.30am	<i>Gather outside ready for Pōwhiri</i>
8:40am	Pōwhiri and Mihi Whakatau Welcome & Housekeeping – NZSSS President Room: Great Hall Chair: Carol Smith, Diana Selbie
9:10am	Kai (tea break)
9:30am	Plenary Speaker: Professor Amanda Black, Lincoln University Room: Great Hall Chair: Diana Selbie
10:10am	Soil Judging Competition Awards Room: Great Hall Chair: Carol Smith
10:40am	FAO Publication Launch – Matthew Taylor Room: Great Hall Chair: Carol Smith
10:45am	Morning Tea

(* = Student Presentation)

Location	Room: Great Hall 1	Room: Great Hall 2	Room: Great Hall 3
Session	1a. Digital Soil Mapping and Modelling	1b. Education, Engagement and Decision Making	1c. Soil Carbon Sequestration and Stabilisation
Chair	Fraser Scott	Kirstin Deuss	Paul Mudge
11:15am	Jack Pronger <i>Bioeconomy Science Institute</i> <i>Innovative Methods for Improving Farm Scale Mapping of Organic Soils Using Airborne Gamma Radiometrics</i>	Carol Smith <i>Lincoln University</i> <i>Experiential Learning: Impacts on Knowledge and Skills from the 2024 Moana Oceania Soil Judging Competition</i>	Meila Picard* <i>Lincoln University</i> <i>Enhanced Rock Weathering for Carbon Capture in New Zealand Pastoral Agriculture</i>
11:30am	Kevin Perera* <i>Massey University</i> <i>Influence of Land-Use, Geology and Topography on Dissolved Reactive Phosphorus in the Manawatū-Whanganui Region</i>	Andrew Manderson <i>Bioeconomy Science Institute</i> <i>Modernising NZ's Land Resource Information: Towards the Next Generation of LUC and Land Use Suitability</i>	Huong (Mary) Dang* <i>Lincoln University</i> <i>Grape-Marc Biochar as Soil Amendment: Potential for Improving Soil Fertility, Vine Nutrition, and Carbon Sequestration</i>
11:45am	Erik Button <i>Otago Regional Council</i> <i>Quantifying Hydrologically Sensitive Areas Using Deep Learning, LiDAR-powered Hydrology and Soil Topographic Indices</i>	Wei Hu <i>Bioeconomy Science Institute</i> <i>Consumers' Views of Soil Health and Its Role in Food-Related Wellbeing</i>	Katie O'Hagan* <i>Lincoln University</i> <i>Tree-Derived Dissolved Organic Matter Effects on Abiotic and Biotic Processes Leading to Soil Carbon Stabilisation</i>
12:00pm	Rohit Lal <i>Pacific Community</i> <i>Soil Sampling Strategies for Zero-Tillage Root Crop Systems: Addressing Spatial Nutrient Variability in Small Pacific Island Agriculture</i>	Matt Oliver <i>Marlborough District Council</i> <i>Hidden in the Garage: New Zealand's Lost Soil Archive</i>	Qiang Zhu* <i>Huazhong Agricultural University</i> <i>Chinese Milk Vetch and Rice Straw Incorporation Enhanced Organic Carbon Pools in Paddy Fields</i>
12:15pm	Julian Theobald <i>Bioeconomy Science Institute</i> <i>First Steps Towards Integrating Six Regional Marlborough Soils with Their In Silico Digital Twin</i>	Viliame Savou <i>The University of the South Pacific</i> <i>Sweet Potato Growth and Nutrient Uptake in Selected Samoan Soils: A Pot Experiment</i>	Claire Hudson* <i>Lincoln University</i> <i>Native Hedgerows Stabilise Soil Microclimate to Increase Carbon and Nitrogen Storage in Canterbury Dairy Farms</i>
12:30pm	Lunch (Early Career Panel Discussion – Tower Room)		

1:30pm	Plenary Speaker: Dr Alison Collins, <i>Ministry for Cities, Environment, Regions and Transport</i> Room: Great Hall Chair: Diana Selbie
2:15pm	Plenary Speaker: Dr Fiona Shanahun, <i>Environment Canterbury</i> Room: Great Hall Chair: Diana Selbie
3:00pm	Afternoon Tea & Poster Session

Location	Room: Great Hall 1	Room: Great Hall 2	Room: Great Hall 3
Session	2a. Digital Soil Information and Classification	2b. Regenerative Agriculture Evidence from a Soil Perspective	2c. Soil Health and Monitoring
Chair	Matt Oliver	Matthew Taylor	Estelle Dominati
3:30pm	Thomas Caspari <i>Bioeconomy Science Institute</i> <i>From Archive to AI: Recent Developments Across New Zealand's Soil Data Ecosystem</i>	Gwen Grelet <i>Bioeconomy Science Institute</i> <i>Regenerative Management and Soil Health: What Improves, Where, and How Do We Know?</i>	Matt Riddle <i>Environment Canterbury</i> <i>What 25 Years of Monitoring Tells Us About Soil Quality in Canterbury</i>
3:45pm	Jiaxin Li* <i>University of Chinese Academy of Sciences</i> <i>Comparison of Different Spectroscopic Techniques to Estimate Key Soil Carbon Sequestration Indicators</i>	Maryam Hayat* <i>Massey University</i> <i>Effects of Diverse Pasture and Regenerative Management on Nitrate Leaching Under Sheep and Beef Grazing</i>	Ognjen Mojsilovic <i>Environment Canterbury</i> <i>Using Long-Term Regional Soil Monitoring to Understand Soil Quality Change Following Conversion to Dairy Farming</i>
4:00pm	Alistair Ritchie <i>Bioeconomy Science Institute</i> <i>Update on the National Soil Data Repository</i>	Udara Wittahachchi* <i>Massey University</i> <i>Investigating Nitrogen, Pasture Diversity, and Regenerative Management Effects on Soil Biology Across Tasmania-New Zealand</i>	Nicole Schon <i>Bioeconomy Science Institute</i> <i>Soil Health Following Forestry Conversion Under Contrasting Dairy Farm Management Systems</i>
4:15pm	Courtney Durham* <i>Massey University</i> <i>Buried Soils in the Taupō Volcanic Zone: Temporal Variability Since the Last Glacial Maximum</i>	Oliver Arnold <i>Massey University</i> <i>The Influence of New Zealand Regenerative Pastoral Systems on Soil Temperature and Microbial Community Composition</i>	Duy Tran <i>Bioeconomy Science Institute</i> <i>Transforming Soil Health Management in Pastoral Landscapes Through Spatial AI Technologies</i>

Location	Room: Great Hall 1	Room: Great Hall 2	Room: Great Hall 3
Session continued	2a. Digital Soil Information and Classification	2b. Regenerative Agriculture Evidence from a Soil Perspective	2c. Soil Health and Monitoring
Chair	Matt Oliver	Matthew Taylor	Estelle Dominati
4:30pm	John Galbraith <i>Virginia Tech</i> <i>Paleosols in New Zealand (Aotearoa) and the World</i>	Breanna Holt* <i>Lincoln University</i> <i>Carbon Balance of Regenerative and Conventional Dryland Pastures</i>	Phuc Nguyen* <i>Lincoln University</i> <i>Evaluation of Vineyard Waste-Derived Biochar and Compost for Supporting Native Plant Establishment and Soil Carbon Stabilisation</i>
4:45pm	Brandon Whitehead <i>Bioeconomy Science Institute</i> <i>A Common Semantic Datum for Aotearoa New Zealand Soil Information</i>	Sumaia Mahmuda* <i>Massey University</i> <i>Mitigating Nitrate Leaching in Dairy Systems: Evaluating the Role of Diverse Pastures and Regenerative Management</i>	Madusha Dissanayake* <i>Massey University</i> <i>Soil Phosphorus Status and Arbuscular Mycorrhizal Colonisation in Avocado</i>
5:00pm	Brandon Whitehead <i>Bioeconomy Science Institute</i> <i>Which Land Use Classes Hold Up? Testing Land Use Classification Against Measured Soil Properties</i>	Nacanieli Tuivavalagi <i>College of Micronesia-FSM</i> <i>Soil Health and Regenerative Soil Management in the Volcanic Islands and Atolls of Pohnpei State, with some Emphasis on Composting and Cover Cropping</i>	Maia Gerard* <i>University of Canterbury</i> <i>Restoring Native Plant Communities on Degraded Canterbury Soils</i>
5:30pm–7pm	Welcome Function – Chateau on the Park (outside)		

DAY TWO: Tuesday 1 December 2026	
8:00am	Registration Desk Opens (Chateau on the Park Foyer)
8:00am	Informal Early Career Breakfast – Tower Room
9:00am	Plenary Speaker: Professor Hong Di, Lincoln University Room: Great Hall Chair: Carol Smith
9:45am	Plenary Speaker: Dr Fiona Curran-Cournane, Ministry for the Environment Room: Great Hall Chair: Carol Smith
10:30am	Morning Tea

Location	Room: Great Hall 1	Room: Great Hall 2	Room: Great Hall 3
Session	3a. S-Map and Soil Surveys	3b. Microbial Function and Ecosystem Processes	3c. Climate Adaptation and Future Landscapes
Chair	Sam Carrick	Gwen Grelet	David Whitehead
11:00am	Emily McKay <i>Bioeconomy Science Institute</i> <i>S-map Across Aotearoa</i>	Kara Allen <i>Bioeconomy Science Institute</i> <i>Climate History Shapes Microbial Carbon Use Efficiency and Functional Potential in Grassland Soils</i>	Shevani Murray* <i>Wageningen University</i> <i>Trees Reduce Grassland Soil Carbon Vulnerability to Climate Change Through Sensitivity and Microclimate Buffering</i>
11:15am	Scott Fraser <i>Bioeconomy Science Institute</i> <i>The Value of Collecting LUC Field Data Alongside S-Map Field Data</i>	Kara Allen <i>Bioeconomy Science Institute</i> <i>Linking Microbial Functional Potential to Soil Multifunctionality Under Woody Invasion</i>	Abdul Kader <i>The University of the South Pacific</i> <i>Predicting Taro Yield in Samoa Under Future Climatic Variability by Using Biophysical Modelling</i>
11:30am	Andre Eger <i>Bioeconomy Science Institute</i> <i>From Soil Classification and Soil Maps to Soil Functions?</i>	Charlotte Alster <i>Lincoln University</i> <i>Climate and Parent Material Interact to Regulate Soil Microbial Processes</i>	Sootino Taungakava* <i>The University of the South Pacific</i> <i>Influence of Leguminous Mulching and Sheep Grazing on Nitrogen Availability in a Taro-Based Cropping System</i>
11:45am	Lauren O'Brien <i>Bioeconomy Science Institute</i> <i>The Soil Description Handbook for New Zealand Has Been Updated</i>	Ziva Louissou <i>Bioeconomy Science Institute</i> <i>Microbial Growth Rate Captures Shifts in Allocation Strategies Linked to Soil Carbon Across Environmental Gradients</i>	Micaela Cosgrove* <i>ILVO</i> <i>Soybean Physiological and Yield Responses to Drought Following Silicate-Rich and Organic Soil Amendments</i>
12:00pm	Maddison Bingham <i>Bioeconomy Science Institute</i> <i>Soils of the Northern Tauranga Area</i>	Hongyu Wu* <i>Lincoln University</i> <i>Land Use Type Affects the Contribution of Heterotrophic Nitrification in New Zealand Soils</i>	Rahel Bauerdick* <i>University of Waikato</i> <i>Towards Integrated Soil Indicators of Peatland Restoration Trajectories</i>
12:15pm	Alice Wheatley-Wilson <i>Waikato Regional Council</i> <i>A Survey of Waikato Peat Thickness</i>	Aditi Sharma* <i>Loam Bio</i> <i>Fungal Endophytes Modulate Carbon Sequestration and Nitrogen Dynamics Across Two Contrasting Soils Using Stable Isotopes</i>	Naomi Wells <i>Lincoln University</i> <i>Climate Sensitivity of the Nitrogen Balance of Aotearoa's Carbon-Sequestering Temperate Rainforests</i>

12:30pm	Lunch
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Location	Room: Great Hall 1	Room: Great Hall 2	Room: Great Hall 3
Session	4a. Soil Amendments and Biological Solutions	4b. Microbiomes and Environmental Change	4c. Soil Carbon and Climate Resilience
Chair	Nicole Schon	Andriy Podolyan	Jack Pronger
1:30pm	Jean Damascene Harindintwali <i>Institute of Soil Science, Chinese Academy of Sciences</i> <i>Bacterially Loaded Biochar Enhances Microbial Responses and Atrazine Degradation in Black Soil</i>	Upulika Jayaneththi* <i>Massey University</i> <i>Metatranscriptomics Reveals Effects of Soil Type and Pasture Diversity on Microbial Functional Gene Expression</i>	Gabriel Moinet <i>Wageningen University</i> <i>Doughnut Economics Meets Soil Carbon Science: A Framework for Just, Safe and Climate-Resilient Agroecosystems</i>
1:45pm	Peace Iyeoma Idakwoji* <i>The University of the South Pacific</i> <i>Isolation and Use of Bacterial Inoculum for Accelerating Decomposition of Seaweed for Organic Fertilizer Production</i>	Niamh Tapper* <i>University of Waikato</i> <i>Interactive Effects of Multiple Climatic Stressors on Geothermal Soil Food Webs</i>	
2:00pm	Erin Lawrence-Smith <i>Bioeconomy Science Institute</i> <i>Compost Nitrogen Supply Under Field and Laboratory Conditions: Availability and Environmental Controls</i>	Nicholas Joachim Finlay Robinson* <i>Lincoln University</i> <i>Using Natural Geothermal Gradients to Study Soil Microbial Functional Resilience Under Intersecting Climate Stressors</i>	Jordan Goodrich <i>Bioeconomy Science Institute</i> <i>Improved New Zealand Inventory Approach for Soil Carbon Stock Changes with Land Use</i>
2:15pm	Shiromi Samiraja* <i>Massey University</i> <i>Cover Crop Deep Mulching Effects on Nitrogen Dynamics in Organic Vegetable Production in New Zealand</i>	Suzanne Lambie <i>Bioeconomy Science Institute</i> <i>Impacts of Human Pressures on Freshwater Wetland Soil Microbial Community Composition and Function</i>	Sam McNally <i>Bioeconomy Science Institute</i> <i>Revisiting New Zealand's Potential to Store Soil Carbon</i>
2:30pm	Topas Peter* <i>School of Agriculture, Papua New Guinea University of Technology</i> <i>Legume-Driven Composting as a Climate-Smart Strategy for Sustainable Sweet Potato Production</i>	Bridget Watson <i>University of Otago</i> <i>Novel Azospirillum spp. from Aotearoa Soils are Distinct and Show Potential for Agricultural Applications</i>	David Whitehead <i>Bioeconomy Science Institute</i> <i>Vulnerability of Soil Organic Carbon to Decomposition for Soils from Contrasting Agricultural Land Uses</i>

2:45pm	Soe Moe New* <i>Lincoln University</i> <i>Enhancing Zinc Concentration in Wheat Cultivars through Soil and Foliar Biofortification Strategies</i>	Kate Orwin <i>Bioeconomy Science Institute</i> <i>Manipulating Soil Microbiomes to Enhance the Delivery of Soil-Mediated Ecosystem Services in Diverse Grassland Ecosystems</i>	Peter Almond <i>Lincoln University</i> <i>Linking Geomorphology and Biogeochemistry to Predict Soil Organic Carbon Stocks at Landscape Scales</i>
3:00pm	Afternoon Tea		

Location	Room: Great Hall 1	Room: Great Hall 2	Room: Great Hall 3
Session	5a. Landscape Hydrology, Environmental Transport and Contamination	5b. Soil Biodiversity and Biological Indicators	5c. Catchment Processes and Water Quality
Chair	Wei Hu	María Gutiérrez Gines	Peter Almond
3:30pm	Brent Clothier <i>Bioeconomy Science Institute</i> <i>Futures for the Food-Water-Energy Nexus</i>	Gemma Collins <i>Bioeconomy Science Institute</i> <i>Genetic Diversity of the Endemic and Ancient Lineages of New Zealand and Antarctic Collembola</i>	Marta Alfaro <i>Bioeconomy Science Institute</i> <i>Evaluation of Stacked Mitigations to Reduce Nitrogen Leaching in a Pasture-Based Dairy System in Canterbury</i>
3:45pm	Lingya Li* <i>Beijing Forestry University</i> <i>Drought Modulates Poplar Fine Root Vertical Plasticity</i>	Matthew Taylor <i>Waikato Regional Council</i> <i>Interpreting Data from Soil Quality Monitoring Sites Derived Using Metabarcoding</i>	Janani Palihakkara <i>Massey University</i> <i>Soil and Wetland Controls on Toxoplasma gondii Oocyst Transport from Land to Māui Dolphin Habitat</i>
4:00pm	Kirstin Deuss <i>Bioeconomy Science Institute</i> <i>What Controls Contaminant Export from Tile Drains Under a Sheep-Grazed Catchment?</i>	Xu Fangze* <i>Beijing Forestry University</i> <i>Aboveground and Belowground Characteristics Differentially Shape Bacterial and Fungal Diversity in a Natural Mixed Forest</i>	Caterina Campese* <i>Lincoln University, Canterbury University</i> <i>From Lakebed to Land: Beneficial Reuse of Lake Sediments for Soil-Plant Resilience and Water-Quality Improvement</i>
4:15pm	Samuel Rojo* <i>The University of the South Pacific</i> <i>Assessing Microplastic Concentration, and Their Interactions with Heavy Metals in Sediments and Soils in Samoa</i>	Mariam Khanam* <i>Charles Sturt University</i> <i>Biochar-Based Bacillus Biostimulants: A Synergistic Approach for Improving Salinity Tolerance in Faba Bean</i>	Paul Mudge <i>Bioeconomy Science Institute</i> <i>Quantitative Analysis of Data from Studies Measuring Nitrogen Leaching from Swards Containing Plantain</i>
4:30pm		Rukshagini Sutharsan* <i>Massey University</i>	John Ballinger <i>Northland Regional Council</i>

		<i>Effects of Pasture Diversity and Grazing Management on Biological Nitrogen Fixation in Temperate Dairy Systems</i>	<i>Project Effectiveness Monitoring: Linking Land Management Interventions to Freshwater Outcomes in Northland</i>
4:45pm		Ruby Angurana <i>Lovely Professional University</i> <i>Soil Microarthropods as Indicators of Agroecosystem Resilience Under Climate Variability</i>	Brendon Malcolm <i>Bioeconomy Science Institute</i> <i>Evaluating Catch Crop Performance in Grazed Forage Systems of New Zealand's High Country</i>
5:30pm	NZSSS Annual General Meeting (all welcome)		

DAY THREE: Wednesday 2 December 2026

8:00am	Registration Desk Opens (Chateau on the Park Foyer)
9:00am	Plenary Speaker: Dr Paul Mudge, <i>Bioeconomy Science Institute</i> Room: Great Hall Chair: Pierre Roudier
9:45am	Plenary Speaker: Dr Dan Richards, <i>Bioeconomy Science Institute</i> Room: Great Hall Chair: Pierre Roudier
10:30am	Morning Tea

Location	Room: Great Hall 1	Room: Great Hall 2	Room: Great Hall 3
Session	6a. Water Movement, Irrigation and Soil Function	6b. Urban Soils and Managed Retreat	6c. Nutrient Cycling and Mitigation
Chair	Jennifer Owens	TBC	Marta Alfaro
11:00am	Stewart Field <i>Nelson Marlborough Institute of Technology</i> <i>Integrating Rooting Depth and Vine Water Status to Improve Vineyard Soil Moisture Based Irrigation Scheduling</i>	Mingyuan Liu* <i>University of Canterbury</i> <i>Phyto-Management of Heavy Metals in Soils of the Christchurch Red Zone</i>	Wathsala Dissanayake* <i>University of Canterbury</i> <i>Valorising Agro-Industrial Waste into a Biodegradable Slow-Release Fertiliser for Resilient Soil Nitrogen Management</i>
11:15am	Balin Robertson <i>Bioeconomy Science Institute</i>	Shuang Qu* <i>Lincoln University</i>	Tharindi Lakshani* <i>Lincoln University</i>

	<i>Timing Irrigation to Manage Soil Compaction in Canterbury Dairy Pastures: Seasonal Trends and Stand-Off-Period Effects</i>	<i>Production of Health Food in Contaminated Urban Soil</i>	<i>Urine Derived Nitrogen Dynamics in Ryegrass and Plantain Pastures</i>
11:30am	Judith van Dijk <i>Babbage Consultants</i> <i>The Challenges of Managing Hydraulic Loads on Year-Round Wastewater Irrigated Soils</i>	Callum Rees <i>Massey University</i> <i>Monitoring the Application of Oil and Gas Drilling Mud to Land in Taranaki</i>	Donna Giltrap <i>Bioeconomy Science Institute</i> <i>Optimising Nitrification Inhibitors Safe Application to Reduce Nitrous Oxide Emissions in Urine Patches</i>
11:45am	Max McKellar <i>Babbage Consultants</i> <i>Effects of Soil Conditioners to High Sodium and High pH in Wastewater Irrigated Soils</i>	Jo Cavanagh <i>Bioeconomy Science Institute</i> <i>Realising the Value of Urban Soils</i>	Donna Giltrap <i>Bioeconomy Science Institute</i> <i>Nitrogen Dynamics in Six Soils from Pastures with Different Plantain (<i>Plantago lanceolata</i>) Abundances</i>
12:00pm	Louisa Hall <i>Babbage Consultants</i> <i>Long-Term Soil Chemical Response to Dairy Factory Wastewater Irrigation: Are Guidelines Fit for NZ Soils?</i>	Jack Lloyd-Scott* <i>University of Canterbury</i> <i>Fe, Al, and Ca as Predictors of Soil Organic Carbon in Disturbed Urban Environments</i>	Keren Ding <i>Bioeconomy Science Institute</i> <i>Drivers of Plantain N₂O Mitigation Potential: An Initial Analysis of New Zealand Field Data</i>
12:15pm	Ali Mujtaba* <i>University of Canterbury</i> <i>Nutrient Enrichment and Forage Biomass Response to Biosolid Application Under Contrasting Effluent-Irrigation Histories</i>	Robyn Simcock <i>Bioeconomy Science Institute</i> <i>Development of the Urban Visual Soils Assessment for Aotearoa New Zealand</i>	Hadee Thompson-Morrison <i>Bioeconomy Science Institute</i> <i>Trace Elements as a Mitigation Tool for Nitrous Oxide Emissions</i>
12:30pm	Lunch		

Location	Room: Great Hall 1	Room: Great Hall 2	Room: Great Hall 3
Session	7a. Soil Aeration, Gas Transport and Structure	7b. Soil Policy, Governance and Community Outcomes	7c. Carbon Monitoring and Carbon Dynamics
Chair	Brent Clothier	Jo Cavanagh	Naomi Wells
1:30pm	Wei Hu <i>Bioeconomy Science Institute</i> <i>Soil Structural Vulnerability Assessment for Outcome-Focused Soil Management</i>	Nina Koele <i>Ministry for Cities, Environment, Regions and Transport</i> <i>Land and Soil Policy in the New Planning System</i>	Georgie Glover-Clark <i>Bioeconomy Science Institute</i> <i>The National Soil Carbon Benchmarking and Monitoring System: Resampling Results to Date</i>
1:45pm	Lisa Ockier* <i>Lincoln University, Bioeconomy Science Institute</i> <i>Gas Diffusivity Mediates the Response of N₂O Emissions to Soil Compaction</i>	Siosia Halavatau <i>Ministry of Foreign Affairs and Trade</i> <i>Kingdom of Tonga National Soil Strategy</i>	María Gutiérrez Gines <i>University of Canterbury</i> <i>Soil Carbon Stocks and Greenhouse Gas Emissions from Restoration Plantings with High-Nutrient Inputs</i>
2:00pm	Chamindu Deepagoda <i>Lincoln University</i> <i>Redefining the 10% Rule: A Functional Shift to Diffusion-Based Soil Aeration Limits</i>	Sam Carrick <i>Bioeconomy Science Institute</i> <i>Global and Pacific Soil Partnerships: Supporting Coordinated Action on Sustainable Soil Management</i>	Dija Bhandari* <i>University of Waikato</i> <i>Calibration and Validation of DNDC Model for CO₂ Emissions from Drained Peat Soils</i>
2:15pm	Erica Prins* <i>University of Alberta</i> <i>Soil Physical Health: The Keystone of Soil Health</i>	Estelle Dominati <i>Bioeconomy Science Institute</i> <i>Soil Health at Farm Scale: A Tool to Engage with Catchment Groups</i>	Kirstin Deuss <i>Bioeconomy Science Institute</i> <i>An Elephant in the Soil? Investigating the Significance of Inorganic Carbon in New Zealand Soils</i>
2:30pm	Jennifer Owens <i>Agriculture and Agri-food Canada</i> <i>A Tale of Supply and Demand: A Soil O₂ Model, and Implications for N₂O Production</i>	Binesh Prasad <i>Pacific Community</i> <i>Bridging Science and Communities: The Pacific Soil Partnership and Portal as Tools for Resilient Agriculture</i>	Pierre Roudier <i>Bioeconomy Science Institute</i> <i>National Scale Mapping of Soil Organic Carbon Vulnerability Indicators in New Zealand</i>
2:45pm		Hadee Thompson-Morrison <i>Bioeconomy Science Institute</i> <i>Use of Spatial Modelling to Develop Risk-Based Background Trace Element Concentrations for New Zealand</i>	Nimesha Ranaweera* <i>Lincoln University</i> <i>Effects of Seawater Inundation on Soil Carbon Cycling and Microbial Activity in Coastal Agricultural Soils</i>

3:00pm	Afternoon Tea
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3:30pm	Plenary Speaker: NZSSS Early Career Researcher Recipient Room: Great Hall Chair: Diana Selbie
4:15pm	Norman Taylor Lecture: (Recipient TBC) Room: Great Hall Chair: Pierre Roudier
5:15pm	Field Trip Briefing – Carol Smith Closing Remarks – Pierre Roudier, Diana Selbie
5:30pm	Cutting of the World Soil Day Cake
6:30pm	NZSSS Conference Dinner and Awards (Christchurch Town Hall, Limes Room) 6:30pm Pre-dinner drinks 7:00pm Guests seated

DAY FOUR: Thursday 3 December 2026 – FIELD TRIPS			
8:00am	Registration Desk Opens (Chateau on the Park Foyer)		
Field Trip	Bank Peninsula Tour	Christchurch Red Zone	Regenerative Agriculture and Low N Dairy Systems
Leader/s	Peter Almond, Andre Eger	Brett Robinson	Jim Moir