SOILS ŌTAUTAHI 2026

BUILDING RESILIENT FUTURES FOR SOILS

CONNECTING SCIENCE, LAND, AND PEOPLE FOR RESILIENT SOILS

New Zealand Society of Soil Science

CHATEAU ON THE PARK, ŌTAUTAHI CHRISTCHURCH

30TH NOVEMBER - 3RD DECEMBER 2026

DAY ONE: Monday 30 November 2026	
7:30am	Registration Desk Opens (Chateau on the Park Foyer)
8.30am	*Gather outside ready for Mihi Whakatau*
8:40am	**Mihi Whakatau** Welcome & Housekeeping – NZSSS President Room: Great Hall Co-Chairs: Carol Smith, Diana Selbie
9:10am	**Kai (tea break) - Camelot Room**
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 - Camelot Room**

(* = Student Presentation)

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

1:30pm	**Plenary Speaker: Dr Alison Collins, *Ministry for Cities, Environment, Regions and Transport*** Room: Great Hall Chair: Diana Selbie
2:15pm	**Plenary Speaker: Dr Fiona Shanhun, *Environment Canterbury*** Room: Great Hall Chair: Diana Selbie
3:00pm	**Afternoon Tea & Poster Session - Camelot Room**

Location	Room: Great Hall 1	Room: Tower Room	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** *Bioeconomy Science Institute* *Recent developments in BSI's web portals, databases, and physical collections*	**Gwen Grelet** *Bioeconomy Science Institute* *Regenerative Management and Soil Health: What Improves, Where, and How Do We Know?*	**Matt Riddle** *Environment Canterbury* *What 25 Years of Monitoring Tells Us About Soil Quality in Canterbury*
3:45pm	**Jiaxin Li*** *University of Chinese Academy of Sciences* *Comparison of Different Spectroscopic Techniques to Estimate Key Soil Carbon Sequestration Indicators*	**Maryam Hayat*** *Massey University* *Effects of Diverse Pasture and Regenerative Management on Nitrate Leaching Under Sheep and Beef Grazing*	**Ognjen Mojsilovic** *Environment Canterbury* *Using Long-Term Regional Soil Monitoring to Understand Soil Quality Change Following Conversion to Dairy Farming*
4:00pm	**Alistair Ritchie** *Bioeconomy Science Institute* *Update on the National Soil Data Repository*	**Udara Wittahachchi*** *Massey University* *Investigating Nitrogen, Pasture Diversity, and Regenerative Management Effects on Soil Biology Across Tasmania-New Zealand*	**Nicole Schon** *Bioeconomy Science Institute* *Soil Health Following Forestry Conversion Under Contrasting Dairy Farm Management Systems*
4:15pm	**Courtney Durham*** *Massey University* *Buried Soils in the Taupō Volcanic Zone: Temporal Variability Since the Last Glacial Maximum*	**Oliver Arnold** *Massey University* *The Influence of New Zealand Regenerative Pastoral Systems on Soil Temperature and Microbial Community Composition*	**Duy Tran** *Bioeconomy Science Institute* *Transforming Soil Health Management in Pastoral Landscapes Through Spatial AI Technologies*

Location	Room: Great Hall 1	Room: Tower Room	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** *Virginia Tech* *Paleosols in New Zealand (Aotearoa) and the World*	**Breanna Holt*** *Lincoln University* *Carbon Balance of Regenerative and Conventional Dryland Pastures*	**Phuc Nguyen*** *Lincoln University* *Evaluation of Vineyard Waste-Derived Biochar and Compost for Supporting Native Plant Establishment and Soil Carbon Stabilisation*
4:45pm	**Extended Discussion**	**Sumaia Mahmuda*** *Massey University* *Mitigating Nitrate Leaching in Dairy Systems: Evaluating the Role of Diverse Pastures and Regenerative Management*	**Madusha Dissanayake*** *Massey University* *Soil Phosphorus Status and Arbuscular Mycorrhizal Colonisation in Avocado*
5:00pm		**Extended Discussion**	**Maia Gerard*** *University of Canterbury* *Restoring Native Plant Communities on Degraded Canterbury Soils*
5:15pm–7pm	**Welcome Function, *kindly sponsored by Hill Labs* – Chateau on the Park (outside Camelot Room)**		

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 - Camelot Room**		
Location	Room: Great Hall 1	Room: Tower Room	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** *Bioeconomy Science Institute* *S-map Across Aotearoa*	**Kara Allen** *Bioeconomy Science Institute* *Linking Microbial Functional Potential to Soil Multifunctionality Under Woody Invasion*	**Shevani Murray*** *Wageningen University* *Trees Reduce Grassland Soil Carbon Vulnerability to Climate Change Through Sensitivity and Microclimate Buffering*
11:15am	**Scott Fraser** *Bioeconomy Science Institute* *The Value of Collecting LUC Field Data Alongside S-Map Field Data*	**Charlotte Alster** *Lincoln University* *Climate and Parent Material Interact to Regulate Soil Microbial Processes*	**Abdul Kader** *The University of the South Pacific* *Predicting Taro Yield in Samoa Under Future Climatic Variability by Using Biophysical Modelling*
11:30am	**Andre Eger** *Bioeconomy Science Institute* *From Soil Classification and Soil Maps to Soil Functions?*	**Hongyu Wu*** *Lincoln University* *Land Use Type Affects the Contribution of Heterotrophic Nitrification in New Zealand Soils*	**Sootino Taungakava*** *The University of the South Pacific* *Influence of Leguminous Mulching and Sheep Grazing on Nitrogen Availability in a Taro-Based Cropping System*

Location	Room: Great Hall 1	Room: Tower Room	Room: Great Hall 3
Session	3a. S-Map and Soil Surveys *(continued)*	3b. Microbial Function and Ecosystem Processes *(continued)*	3c. Climate Adaptation and Future Landscapes *(continued)*
Chair	Sam Carrick	Gwen Grelet	David Whitehead
11:45am	**Lauren O'Brien** *Bioeconomy Science Institute* *The Soil Description Handbook for New Zealand Has Been Updated*	**Aditi Sharma*** *Loam Bio* *Fungal Endophytes Modulate Carbon Sequestration and Nitrogen Dynamics Across Two Contrasting Soils Using Stable Isotopes*	**Micaela Cosgrove*** *ILVO* *Soybean Physiological and Yield Responses to Drought Following Silicate-Rich and Organic Soil Amendments*
12:00pm	**Scott Fraser** *Bioeconomy Science Institute* *Soils of the Northern Tauranga Area*	**Ziva Louisson** *Bioeconomy Science Institute* *Microbial Growth Rate Captures Shifts in Allocation Strategies Linked to Soil Carbon Across Environmental Gradients*	**Rahel Bauerdick*** *University of Waikato* *Towards Integrated Soil Indicators of Peatland Restoration Trajectories*
12:15pm	**Alice Wheatley-Wilson** *Waikato Regional Council* *A Survey of Waikato Peat Thickness*	**Kara Allen** *Bioeconomy Science Institute* *Climate History Shapes Microbial Carbon Use Efficiency and Functional Potential in Grassland Soils*	**Naomi Wells** *Lincoln University* *Climate Sensitivity of the Nitrogen Balance of Aotearoa's Carbon-Sequestering Temperate Rainforests*
12:30pm	**Lunch - Camelot Room**		**Soil Biodiversity Discussion Group – Great Hall 2**

Location	Room: Great Hall 1	Room: Tower Room	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** *Institute of Soil Science, Chinese Academy of Sciences* *Bacterially Loaded Biochar Enhances Microbial Responses and Atrazine Degradation in Black Soil*	**Upulika Jayaneththi*** *Massey University* *Metatranscriptomics Reveals Effects of Soil Type and Pasture Diversity on Microbial Functional Gene Expression*	**Gabriel Moinet** *Wageningen University* *Doughnut Economics Meets Soil Carbon Science: A Framework for Just, Safe and Climate-Resilient Agroecosystems*
1:45pm	**Peace Iyeoma Idakwoji*** *The University of the South Pacific* *Isolation and Use of Bacterial Inoculum for Accelerating Decomposition of Seaweed for Organic Fertilizer Production*	**Niamh Tapper*** *University of Waikato* *Interactive Effects of Multiple Climatic Stressors on Geothermal Soil Food Webs*	
2:00pm	**Erin Lawrence-Smith** *Bioeconomy Science Institute* *Compost Nitrogen Supply Under Field and Laboratory Conditions: Availability and Environmental Controls*	**Nicholas Joachim Finlay Robinson*** *Lincoln University* *Using Natural Geothermal Gradients to Study Soil Microbial Functional Resilience Under Intersecting Climate Stressors*	**Jordan Goodrich** *Bioeconomy Science Institute* *Improved New Zealand Inventory Approach for Soil Carbon Stock Changes with Land Use*
2:15pm	**Shiromi Samiraja*** *Massey University* *Cover Crop Deep Mulching Effects on Nitrogen Dynamics in Organic Vegetable Production in New Zealand*	**Suzanne Lambie** *Bioeconomy Science Institute* *Impacts of Human Pressures on Freshwater Wetland Soil Microbial Community Composition and Function*	**Pierre Roudier** *Bioeconomy Science Institute* *National Scale Mapping of Soil Organic Carbon Vulnerability Indicators in New Zealand*

Location	Room: Great Hall 1	Room: Tower Room	Room: Great Hall 3
Session continued	4a. Soil Amendments and Biological Solutions	4b. Microbiomes and Environmental Change	4c. Soil Carbon and Climate Resilience
Chair	Nicole Schon	Andriy Podolyan	Jack Pronger
2:30pm	**Topas Peter*** *School of Agriculture, Papua New Guinea University of Technology* *Legume-Driven Composting as a Climate-Smart Strategy for Sustainable Sweet Potato Production*	**Bridget Watson** *University of Otago* *Novel Azospirillum spp. from Aotearoa Soils are Distinct and Show Potential for Agricultural Applications*	**David Whitehead** *Bioeconomy Science Institute* *Vulnerability of Soil Organic Carbon to Decomposition for Soils from Contrasting Agricultural Land Uses*
2:45pm	**Soe Moe Nwe*** *Lincoln University* *Enhancing Zinc Concentration in Wheat Cultivars through Soil and Foliar Biofortification Strategies*	**Kate Orwin** *Bioeconomy Science Institute* *Manipulating Soil Microbiomes to Enhance the Delivery of Soil-Mediated Ecosystem Services in Diverse Grassland Ecosystems*	**Peter Almond** *Lincoln University* *Linking Geomorphology and Biogeochemisty to Predict Soil Organic Carbon Stocks at Landscape Scales*
3:00pm	**Afternoon Tea - Camelot Room**		
Location	Room: Great Hall 1	Room: Tower Room	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	Mingyuan Liu	Peter Almond
3:30pm	**Brent Clothier** *Bioeconomy Science Institute* *Futures for the Food-Water-Energy Nexus*	**Gemma Collins** *Bioeconomy Science Institute* *Genetic Diversity of the Endemic and Ancient Lineages of New Zealand and Antarctic Collembola*	**Marta Alfaro** *Bioeconomy Science Institute* *Evaluation of Stacked Mitigations to Reduce Nitrogen Leaching in a Pasture-Based Dairy System in Canterbury*
3:45pm	**Lingya Li*** *Beijing Forestry University* *Drought Modulates Poplar Fine Root Vertical Plasticity*	**Matthew Taylor** *Waikato Regional Council* *Interpreting Data from Soil Quality Monitoring Sites Derived Using Metabarcoding*	**Janani Palihakkara** *Massey University* *Soil and Wetland Controls on Toxoplasma gondii Oocyst Transport from Land to Māui Dolphin Habitat*

Location	Room: Great Hall 1	Room: Tower Room	Room: Great Hall 3
Session	5a. Landscape Hydrology, Environmental Transport and Contamination *(continued)*	5b. Soil Biodiversity and Biological Indicators *(continued)*	5c. Catchment Processes and Water Quality *(continued)*
Chair	Wei Hu	Mingyuan Liu	Peter Almond
4:00pm	**Kirstin Deuss** *Bioeconomy Science Institute* *What Controls Contaminant Export from Tile Drains Under a Sheep-Grazed Catchment?*	**Xu Fangze*** *Beijing Forestry University* *Aboveground and Belowground Characteristics Differentially Shape Bacterial and Fungal Diversity in a Natural Mixed Forest*	**Caterina Campese*** *Lincoln University, Canterbury University* *From Lakebed to Land: Beneficial Reuse of Lake Sediments for Soil-Plant Resilience and Water-Quality Improvement*
4:15pm	**Samuel Rojo*** *The University of the South Pacific* *Assessing Microplastic Concentration, and Their Interactions with Heavy Metals in Sediments and Soils in Samoa*	**Mariam Khanam*** *Charles Sturt University* *Biochar-Based Bacillus Biostimulants: A Synergistic Approach for Improving Salinity Tolerance in Faba Bean*	**Paul Mudge** *Bioeconomy Science Institute* *Quantitative Analysis of Data from Studies Measuring Nitrogen Leaching from Swards Containing Plantain*
4:30pm	**Hadee Thompson-Morrison** *Bioeconomy Science Institute* *Use of Spatial Modelling to Develop Risk-Based Background Trace Element Concentrations for New Zealand*	**Rukshagini Sutharsan*** *Massey University* *Effects of Pasture Diversity and Grazing Management on Biological Nitrogen Fixation in Temperate Dairy Systems*	**John Ballinger** *Northland Regional Council* *Project Effectiveness Monitoring: Linking Land Management Interventions to Freshwater Outcomes in Northland*
4:45pm	**Extended Discussion**	**Extended Discussion**	**Extended Discussion**
5:30pm	**NZSSS Annual General Meeting (all welcome) – Tower Room**		
6:00 – 8:00 pm	**The Magic of Soil, Public Event (all welcome) – Camelot and Great Hall** Facilitator: Carol Smith • **Hadee Thompson-Morrison** – *Soils, Landscapes and Heavy Metals* • **Fiona Shanhun** – *Soils in Antarctica* • **Jim Moir** – *Soils on the Roof of the World* • **Mingyuan Liu & Brett Robinson** – *Urban Soils and the Red Zone* • **Gwen Grelet** – *Soils and Health* • **Josie Mazzetto** – *Soils and Forensics: Beyond the Myth* • **Frank Ashwood** – *The World Beneath Our Feet*		

DAY THREE: Wednesday 2 December 2026			
8:00am	Registration Desk Opens (Chateau on the Park Foyer)		
9:00am	**Plenary Speaker: Dr Paul Mudge, *Bioeconomy Science Institute*** Room: Great Hall Chair: Pierre Roudier		
9:45am	**Plenary Speaker: Dr Dan Richards, *Bioeconomy Science Institute*** Room: Great Hall Chair: Pierre Roudier		
10:30am	**Morning Tea - Camelot Room**		
Location	Room: Great Hall 1	Room: Tower Room	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	Nina Koele	Marta Alfaro
11:00am	**Stewart Field** *Nelson Marlborough Institute of Technology* *Integrating Rooting Depth and Vine Water Status to Improve Vineyard Soil Moisture Based Irrigation Scheduling*	**Mingyuan Liu*** *University of Canterbury* *Phyto-Management of Heavy Metals in Soils of the Christchurch Red Zone*	**Hadee Thompson-Morrison** *Bioeconomy Science Institute* *Trace Elements as a Mitigation Tool for Nitrous Oxide Emissions*
11:15am	**Balin Robertson** *Bioeconomy Science Institute* *Timing Irrigation to Manage Soil Compaction in Canterbury Dairy Pastures: Seasonal Trends and Stand-Off-Period Effects*	**Shuang Qu*** *Lincoln University* *Production of Health Food in Contaminated Urban Soil*	**Wathsala Dissanayake*** *University of Canterbury* *Valorising Agro-Industrial Waste into a Biodegradable Slow-Release Fertiliser for Resilient Soil Nitrogen Management*
11:30am	**Judith van Dijk** *Babbage Consultants* *The Challenges of Managing Hydraulic Loads on Year-Round Wastewater Irrigated Soils*	**Callum Rees** *Massey University* *Monitoring the Application of Oil and Gas Drilling Mud to Land in Taranaki*	**Tharindi Lakshani*** *Lincoln University* *Urine Derived Nitrogen Dynamics in Ryegrass and Plantain Pastures*
11:45am	**Louisa Hall** *Babbage Consultants* *Long-Term Soil Chemical Response to Dairy Factory Wastewater Irrigation: Are Guidelines Fit for NZ Soils?*	**Jo Cavanagh** *Bioeconomy Science Institute* *Realising the Value of Urban Soils*	**Donna Giltrap** *Bioeconomy Science Institute* *Optimising Nitrification Inhibitors Safe Application to Reduce Nitrous Oxide Emissions in Urine Patches*

Location	Room: Great Hall 1	Room: Tower Room	Room: Great Hall 3
Session	6a. Water Movement, Irrigation and Soil Function *(continued)*	6b. Urban Soils and Managed Retreat *(continued)*	6c. Nutrient Cycling and Mitigation *(continued)*
Chair	Jennifer Owens	Nina Koele	Marta Alfaro
12:00pm	**Ali Mujtaba*** *University of Canterbury* *Nutrient Enrichment and Forage Biomass Response to Biosolid Application Under Contrasting Effluent-Irrigation Histories*	**Robyn Simcock** *Bioeconomy Science Institute* *Development of the Urban Visual Soils Assessment for Aotearoa New Zealand*	**Donna Giltrap** *Bioeconomy Science Institute* *Nitrogen Dynamics in Six Soils from Pastures with Different Plantain (Plantago lanceolata) Abundances*
12:15pm	**Extended Discussion**	**Extended Discussion**	**Keren Ding** *Bioeconomy Science Institute* *Drivers of Plantain N_2O Mitigation Potential: An Initial Analysis of New Zealand Field Data*
12:30pm	**Lunch - Camelot Room**		

Location	Room: Great Hall 1	Room: Tower Room	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** *Bioeconomy Science Institute* *Soil Structural Vulnerability Assessment for Outcome-Focused Soil Management*	**Nina Koele** *Ministry for Cities, Environment, Regions and Transport* *Land and Soil Policy in the New Planning System*	**Georgie Glover-Clark** *Bioeconomy Science Institute* *The National Soil Carbon Benchmarking and Monitoring System: Resampling Results to Date*
1:45pm	**Lisa Ockier*** *Lincoln University, Bioeconomy Science Institute* *Gas Diffusivity Mediates the Response of N_2O Emissions to Soil Compaction*	**Siosiua Halavatau** *CALM Programme* *Kingdom of Tonga National Soil Strategy*	**Alexandra Meister** *PHF Science* *Soil Carbon Stocks and Greenhouse Gas Emissions from Restoration Plantings with High-Nutrient Inputs*
2:00pm	**Chamindu Deepagoda** *Lincoln University* *Redefining the 10% Rule: A Functional Shift to Diffusion-Based Soil Aeration Limits*	**Sam Carrick** *Bioeconomy Science Institute* *Global and Pacific Soil Partnerships: Supporting Coordinated Action on Sustainable Soil Management*	**Dija Bhandari*** *University of Waikato* *Calibration and Validation of DNDC Model for CO_2 Emissions from Drained Peat Soils*
2:15pm	**Erica Prins*** *University of Alberta* *Soil Physical Health: The Keystone of Soil Health*	**Estelle Dominati** *Bioeconomy Science Institute* *Soil Health at Farm Scale: A Tool to Engage with Catchment Groups*	**Kirstin Deuss** *Bioeconomy Science Institute* *An Elephant in the Soil? Investigating the Significance of Inorganic Carbon in New Zealand Soils*
2:30pm	**Jennifer Owens** *Agriculture and Agri-food Canada* *A Tale of Supply and Demand: A Soil O_2 Model, and Implications for N_2O Production*	**Sam Carrick** *Pacific Soil Partnership* *Bridging Science and Communities: The Pacific Soil Partnership and Portal as Tools for Resilient Agriculture*	**Sam McNally** *Bioeconomy Science Institute* *Revisiting New Zealand's Potential to Store Soil Carbon*
2:45pm	**Extended Discussion**	**Extended Discussion**	**Nimesha Ranaweera*** *Lincoln University* *Effects of Seawater Inundation on Soil Carbon Cycling and Microbial Activity in Coastal Agricultural Soils*

3:00pm	**Afternoon Tea - Camelot Room** **Cutting of the World Soil Day Cake**		
3:30pm	**Plenary Speaker: NZSSS Early Career Researcher Recipient – Dr Jack Pronger** *"Progress toward improved peatland management"* Room: Great Hall Chair: Diana Selbie		
4:15pm	**Norman Taylor Lecture: Dr David Whitehead** *"From photosynthesis to soil carbon through the eyes of a plant physiologist"* Room: Great Hall Chair: Pierre Roudier		
5:15pm	**Closing Remarks and NZSSS Presidential Handover – Pierre Roudier, Diana Selbie**		
5:30pm	**Field Trip Briefing**		
	Bank Peninsula Tour Room: Great Hall	Christchurch Red Zone Room: Foyer outside Great Hall	Regenerative Agriculture and Low N Dairy Systems Room: Tower
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

All field trips depart and return from Chateau on the Park (*carpark off Darvel St*)
Arrive 15minutes before departure

Field Trip	Bank Peninsula Tour	Christchurch Red Zone	Regenerative Agriculture and Low N Dairy Systems
Times:	8.30am – 5pm	9.30am – 4.30pm	8.30am – 4pm
Leader/s	Peter Almond, Andre Eger	Brett Robinson	Jim Moir