2nd Environment, Natural Resources and Agriculture (ENRA) Science, Evidence and Policy Conference

RESAS
Rural & Environmental Science and Analytical Services

Climate Change Adaptation

Monday 23 September, Our Dynamic Earth, Edinburgh

We are excited to build on the success of last year's event and bring you the second ENRA Science, Evidence and Policy one-day conference for researchers and policy makers from across the rural and environment research and policy landscape in Scotland. This year the conference theme is Climate Change Adaptation.

The event will provide a forum to:

- **Discuss key cross cutting strategic issues affecting Scotland's environment, communities, and rural economy,**
- **Showcase excellence in Scottish Government funded research and**
- **Build networks and collaborations.**

Key features

- Keynote speeches from a policy and science perspective highlighting opportunities and challenges of moving adaptation forward to ensure a resilient and just future for our rural communities in Scotland.
- Impact case studies highlighting successful science policy interactions.
- Posters displaying the range of outputs from across environment, natural resources, and agricultural research in Scotland.
- Interactive round table discussions to support informal networking and establish connections between scientists and policy makers.
- Panel discussions and breakout sessions on how we accelerate the adoption of transformative adaptation for long term resilience.

#RESASConf24

Scottish Government
Riaghaltas na h-Alba

SEFARI Gateway

Programme

Wi-Fi:
Network: DELEGATES
Password: D3L3GATE

The theme of this year's conference is Climate Change Adaptation

1.	**09:30**	**Arrival and registration** **Refreshments, Network, Posters**
2.	**10:00-10:15**	**Welcome from Professor Mathew Williams Chief Scientific Adviser for Environment, Natural Resources and Agriculture and Gita Anand, Deputy Director RESAS**
3.	**10:15 – 11:00**	**Keynote Speech Dr Toby Park, Principal Advisor, Head of Energy, Environment & Sustainability, Behavioural Insights Team and Member of First Minister's Environmental Council**
4.	**11:00-11:30**	**Refreshments, Networking Posters**
5.	**11:30 – 12:30**	**SEFARI Gateway: Impact Case Studies**

- **Case Study 1. Mycotoxin risk assessment and mitigation to adapt to a changing climate**
- **Case Study 2. Incentivising animal health in the Preparing for Sustainable Farming (PSF) initiative**
- **Case Study 3. Calving Intervals – enhanced conditionality for reducing greenhouse gas emissions**

6.	**12:30 – 13:15**	**ClimateXChange Panel Discussion: Research for transformative adaptation**
7.	**13:15 – 14:15**	**Lunch and Networking**
8.	**14:15 – 15:15**	**Breakout sessions. Two parallel breakout sessions will explore how SG funded research can help support climate change adaptation and resilience**

- **Panel Session 1: Towards A Net-Zero Food System?**
- **Panel session 2: Land Use Models – Combining Expertise To Work Towards An Integrated Modelling Approach**

9.	**15:15 – 16:00**	**Poster session: Networking and Refreshments**

10.	**16:00 – 16:45**	**Round table interactive session**
11.	**16:45 – 17:30**	**Concluding Remarks and Poster Prize presentation** **Professor Mathew Williams, CAS ENRA**
12.	**17:30**	**Conference end**

Keynote Speakers

Dr Toby Park
Director, Head of Climate, Energy & Sustainability, Behavioural Insights Team and Member of First Minister's Environmental Council

Toby leads the energy, environment and sustainability work at BIT, covering topics as diverse as energy, water, mobility, food systems, circular economy and wildlife conservation. His expertise lies in the psychology of pro-environmental action at the individual and societal level. He has delivered in excess of 50 projects designing and testing behavioural policy, communications, and interventions for government departments, environmental NGOs and environmentally conscious businesses around the world. He has led much of BIT's thought leadership in the application of behavioural science to climate and environment, including on **sustainable diets**, **electric vehicle adoption**, **green nudges**, and **nature conservation**.

Most recently he has been advising the UK government on the public engagement and behavioural dimensions of its Net Zero Strategy. Current policy-oriented projects have a strong focus on the decarbonisation of domestic heat and the wider transformation of the energy system. We also continue to support our commercial clients in media, consumer products and food to apply cutting edge behavioural science to help their customers adopt sustainable lifestyles. Toby's background is in psychology and engineering.

Professor Mathew Williams, Chief Scientific Adviser for Environment, Natural Resources and Agriculture

Professor Williams provides independent science advice on issues such as the environment, agriculture and the wider rural economy and champions the use of evidence to inform policy development and delivery. This is a part time position (three days a week) and Professor Williams retains an academic position at the University of Edinburgh.

Professor Williams leads the Global Change Ecology Lab in the School of GeoSciences at the University of Edinburgh. Over the past 25 years, his research has focused on studying the carbon cycle of terrestrial ecosystems, including Arctic tundra, the Amazon rainforest, African savannas and Scottish landscapes, including agriculture and forestry. This research has informed society both on how ecosystems will respond to climate change, and how ecosystem responses will change the global carbon cycle. His lab currently focuses on combining environmental simulation models with field data and satellite observations to understand the flows of carbon, energy, and water across natural and managed landscapes. His research explores the climate sensitivity of forests and tundra, the effect of fires and harvests on forest biomass, effective monitoring of UK and global greenhouse gas balances from space and tall towers, and how to optimise farming in the UK to enhance soil C storage and climate resilience.

Professor Williams received the Royal Society Wolfson Merit Award in 2014. He is a member of the UK National Centre for Earth Observation and is an advisor to the European Space Agency for two of its satellite missions. He has also served on the Science Board for the UK Natural Environment Research Council.

Dr Gita Anand, Deputy Director RESAS

As the Interim Deputy Director for Rural and Environmental Science and Analytical Services (RESAS), Gita Anand leads multi-disciplinary teams of highly skilled analysts working across a range of areas like agriculture, rural affairs and environment.

Gita has worked in Scottish Government since 2005, having worked in several policy areas ranging from rural affairs, children and families to corporate analysis, before joining RESAS as a social researcher in 2016. Gita has worked on secondments in policy teams which has provided her with valuable insights into how analysis can influence policy making at different stages of the policy cycle. She is personally committed to seeking diverse perspectives, influencing behaviours and feeding the latest research and thinking into policy making.

Before joining the civil service, Gita completed a Masters in Social Policy and Planning at the London School of Economics and a PhD in Education from the University of Nottingham. She is passionate about making the analysis accessible for policy makers to maximise impact.

SEFARI Gateway Case Studies will highlight successful science policy interactions; they will look to explore the development and impact of the research and emphasise the relationship building within the research-policy interface.

Case Study 1. Mycotoxin risk assessment and mitigation to adapt to a changing climate

Mycotoxins are highly toxic fungal metabolites and food contaminants. Fungal infection and mycotoxin contamination pose an emerging health risk and major cost to cereal production and are predicted to increase as a result of climate change.

Regulatory mycotoxin limits in food are developed by the EU and UK, and significant data gaps exist in mycotoxin prevalence and factors impacting occurrence, modification and toxicity. RESAS research has demonstrated mycotoxin occurrence in Scottish cereals and frequent human exposure in children and during years of severe fungal infection. This evidence has directly informed the FSA/FSS risk analysis to protect consumers and support trade.

To support the cereal industry, research has already identified organic production and low-intensity cereal rotations as mitigation strategies to lower mycotoxin contamination. Future work needs to assess how sustainable and regenerative farming practices will impact infections and use predictive mycotoxin modelling to support the cereal industry in future.

Dr Jacqui McElhiney

Jacqui is the Head of the Science Division at Food Standards Scotland, with responsibility for overseeing the delivery of scientific evidence needed to underpin FSS's work relating to food safety and standards. Before FSS was established in 2015, Jacqui worked for the Food Standards Agency in Scotland for 10 years as a senior scientific advisor in food safety. Her career followed a PhD in environmental science and 5 years of post-doctoral research in molecular microbiology and biochemistry. Throughout her career, Jacqui has developed extensive experience in all areas of food safety, particularly the microbiological safety of food and the prevention of foodborne illness. In her current role, she leads a team of multidisciplinary scientific advisors who are responsible for all of FSS's research, surveillance and risk assessment activities relating to food safety and food authenticity. She also provides oversight for data science and social research support across all areas of FSS's remit.

Dr Silvia Gratz

Silvia is a Senior Research Fellow at the Rowett Institute's Microbiome, Food Innovation and Food Security Theme and leads research on food safety and toxicology within the group. She holds an MSc in Human Nutrition and a PhD in Food Toxicology and has over 20 years of experience in mycotoxin research. In her current role, Silvia leads project in food safety focusing on contamination in the food chain, assessing human exposure and developing model systems of the human gut with funding from RESAS and industry collaborations. To increase impact of her research, Silvia works closely with Food Standards Scotland and is a member of the UK Food Standards Agency's Scientific Advisory Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment. Silvia also leads teaching programmes in Human Nutrition at the University of Aberdeen and is an Associate Fellow of the Higher Education Academy.

Case Study 2. Incentivising animal health in the Preparing for Sustainable Farming (PSF) initiative

SG Animal Health and Welfare Division (AHWD) was given the opportunity to incentivise livestock health as part of SG's Preparing for Sustainable Farming initiative. The problem: could livestock health be linked to greenhouse gas emissions in order to justify funding? The long-established relationship between AHWD and Moredun Research Institute meant that Philip Skuce and others had been studying the impact of livestock disease on GHG emissions for over a decade. Thanks to the resultant publications, the team's availability for detailed discussion and willingness to participate in a policy development subgroup, AHWD was able to rapidly develop a robust set of funded animal health and welfare interventions. These have been viewed favorably by vets and livestock keepers. The credible scientific evidence was key to securing SG budget. Healthy livestock are inextricably part of sustainable Scottish farming; increasing our understanding of disease impacts on GHG emissions will help to priorities future farm support.

Dr Fiona Eddy

Fiona has an academic background in marine biology and aquatic animal disease. She joined the Scottish Government in 2009 and has worked in a range of policy areas, including supporting public engagement with science, delivery of the COP26 summit in Glasgow and developing policy on environmental strategy and governance. She currently heads up the Disease Prevention branch of Scottish Government's Animal Health and Welfare Division.

Dr Philip Skuce

Philip is a Principal Scientist at Moredun Research Institute, a parasitologist by training, he has worked at Moredun for over 25 years on various aspects of sustainable control of helminth parasites (worms & fluke) in livestock. He also has interests in the effect of climate change on parasite epidemiology and the impact of endemic disease on the carbon footprint of livestock production. He is also the SEFARI (Scottish Environment, Food and Agriculture Research Institutes) Gateway Knowledge Broker for Livestock.

Case Study 3. Calving Intervals – enhanced conditionality for reducing greenhouse gas emissions

The Cabinet Secretary for Rural Affairs, Land Reform and Islands has announced a new 410-day calving interval conditionality measure will be introduced to coupled suckler beef support payments by 2025. Extended calving intervals in the suckler beef herd lead to higher running costs for farmers and crofters, as well as leading to higher greenhouse gas emissions. The Scottish Government, through this new policy, is signalling that it is rewarding best practice and no longer willing to reward technical inefficient animals and excess greenhouse gas emissions. Drawing on ENRA Strategic Research expertise, data and analysis – the programme has been instrumental in supporting the development of future Scottish agricultural policy, underpinning the new calving interval condition including policy engagements with stakeholders.

Steven Thomson

Steven is Professor of Agricultural Economics and Policy at SRUC. He has been involved in applied agricultural and rural economies research for over 30 years at SRUC. His analysis and industry insights support agricultural policy development in Scotland and Wales, where economic models have been developed to assess policy options. Steven works with SRUC livestock scientists to provide novel insights into the technical performance of cattle in Scotland. His insights from cattle movement data and links to the policy development process has supported the development of the new 410-day calving interval condition to be introduced for the Scottish Suckler Beef Support Scheme. He sits on the Academic Advisory Panel to the Agriculture Reform Implementation Oversight Board and is a commissioner with the Scotland's Just Transition Commission. Steven is also the lead for the Rural Futures Research Theme within the ENRA Strategic Portfolio and Agriculture Policy & Rural Communities Knowledge Broker for SEFARI Gateway.

John Armour

John is currently Head of Livestock Production Policy Branch at the Scottish Government. The branch provides strategic direction and coordinates key agricultural policy reforms, advising ministers and senior officials whilst liaising with stakeholders and academics. Prior to joining the Scottish Government John worked as Policy Manager - Less Favoured Areas and Livestock Production for NFU Scotland where he had oversight of LFA and livestock committees.

ClimateXChange Panel Discussion

climateXchange
Scotland's centre of expertise connecting climate change research and policy

Research for transformative adaptation

This panel Chaired by **ClimateXChange Policy Director Dr Kate Donovan**, Senior Lecturer in Climate Risk and Resilience at the University of Edinburgh and Co-Director of Edinburgh ClimateXChange Institute will discuss what we need at national, regional and local level to set a new pace for adaptation at scale, and consider how new research initiatives like the UKRI Adaptation Hub and associated projects help governments to scale action. They will also challenge the audience on the questions government are not asking in the intersection between land use, biodiversity, just transition and more widely across the climate change agenda.

Chair:

ClimateXChange Policy Director Dr Kate Donovan, Senior Lecturer in Climate Risk and Resilience at the University of Edinburgh and Co-Director of **Edinburgh Climate Change Institute**. She is also a member of the **Scottish Science Advisory Council**. Kate's research interest span adaptation with a particular focus on social vulnerability, locally led action and cultural heritage.

Panellists:

Dr Helen Adams, Senior Lecturer in Disaster Risk Reduction and Climate Change Adaptation at King's College London. Helen is Co-Director of the King's **Centre for Integrated Research in Risk and Resilience** (CIRRR) and is leading research on transformative responses to climate change. She is the lead for the new **UKRI Adaptation Hub**.

Zarina Ahmed, PhD researcher at the **University of Manchester's Sustainable Consumption Institute** and member of the **ClimateXChange directorate**. Zarina focuses on engagement with diverse, marginalised communities on environmental issues and climate change, creating platforms for the voices of the underrepresented. She is the interim Head of Programmes at the **Women's Environment Network**.

Professor Suraje Dessai, Chair in Climate Change Adaptation at the **Sustainability Research Institute**, School of Earth and Environment at the University of Leeds. Suraje's research and teaching focuses on the management of climate change uncertainties, perception of climate risks and the science-policy interface in climate change impacts, adaptation and services. Suraje was a Co-Champion for **The UK Climate Resilience Programme -**

Breakout sessions

Two parallel breakout sessions will explore how SG funded research can help support climate change adaptation and resilience.

Panel Session 1: TOWARDS A NET-ZERO FOOD SYSTEM?

Transforming our food system can play a pivotal role in contributing to our Net Zero and Nature Restoration targets, as well as meeting our aspirations to become a Good Food Nation. This session Chaired by Philip Duffy, Economic Adviser, RESAS will explore, from a range of different perspectives, the current opportunities and challenges to reduce emissions in our food system, the progress being made, the barriers yet to overcome and the trade-offs that we face.

Researching how to achieve net zero ambitions in the food systems remains a complex and multifaceted challenge which cuts across many of the themes within the ENRA research program. The session will be framed around a twin focus on the 'supply-side' elements and 'demand-side' elements within the food system.

Chair

Philip Duffy is an Economic Adviser within RESAS with a lead on Food and Drink analysis. He is also a lead for B5 'Food and Drink Improvements' topic within the Strategic Research Programme. Prior to joining RESAS, Philip held a number of analytical roles with Scottish Government including local government taxation, social security analysis and Covid-19 business support.

Panelists:

Professor Jules Griffin, Director of the Rowett Institute at the University of Aberdeen. Prior to this a group leader at the University of Cambridge and MRC Human Nutrition Research. His research focuses on the application of analytical chemistry to study metabolism and nutrition in metabolic diseases, particularly how dietary fats influence tissue physiology. He has developed and applied metabolomics and lipidomics tools to investigate aspects of the metabolic syndrome and how nutrition interacts with health across the life course. This has included studies based on cell culture, model organisms, human diet intervention studies and epidemiology. In addition, he has applied these metabolomic and lipidomic tools for food safety and toxicology. He was President of the Metabolomics Society (2016-2020) and awarded a lifetime honorary fellowship of the Society in 2023. He is a fellow of the Royal Society of Chemistry and a board member of the Metabolic Profiling Forum which organises Metabomeeting.

Dr Alexa Bellows a nutritional epidemiologist based at the University of Edinburgh, whose research focuses on improving food systems to be healthier and more sustainable. Alexa uses epidemiology and systems science to study how food system transformations can promote the adoption of healthy and sustainable diets. As part of her Chancellor's Fellowship at the Global Academy of Agriculture and Food Systems at the University of Edinburgh, she is working with the Wellcome Trust Living Good Food Nation Lab to baseline and monitor Scotland's food system.

David Thomson, CEO, Food & Drink Federation Scotland
David is responsible for the overall strategy and management of FDF Scotland and is part of the senior FDF management team. He liaises with government, regulators and other external organisations to identify and act on issues that impact on food and drink manufacturers. FDF Scotland works in partnership with related bodies to help contribute to the growth of the sector and David sits on Scotland Food & Drink's Executive Group. David previously worked at the Scottish Government, including five years as Head of Food, Drink and Rural Communities and two as Head of Primary Care. David was educated at the University of Edinburgh and lives in Edinburgh with his family.

Professor Kairsty Topp, is an agricultural systems modeller at SRUC, focusing on using statistical and dynamic and deterministic modelling techniques. Her areas of expertise also include understanding the impact of changes in farm management in cropping / grassland systems on the environment, and in how an understanding of these issues can inform economic and social models of the farming system. Her research focus is on the synthesis and analysis of data and information from cropping and livestock systems. She is the PI on the Agriculture, climate and carbon project (C2) within the ENRA Strategic Research Programme.

Ashley Cooke, Deputy Director of Food and Drink Policy, Scottish Government with a strategic lead for Good Food Nation Policy, overseeing work on the upcoming Good Food Nation plan, implementation a joint strategy with industry to encourage growth and sustainability in the food and drink sector and leading Scotland's response to short term shocks to the food supply chain and developing plans for longer term food security, amongst many other areas of Scottish Government policy and operations around food and drink. He has worked across the UK, both within the UK and Scottish Governments, having previously worked in tax, energy and space policy. Ashley is a scientist by background, with undergraduate and PhD degrees in theoretical and particle physics from universities in Dublin and Edinburgh.

Panel session 2: LAND USE MODELS – COMBINING EXPERTISE TO WORK TOWARDS AN INTEGRATED MODELLING APPROACH

We are currently in a time of pivotal change for policymaking on land use. Scotland's **Agriculture Reform Programme** aims to totally repurpose existing EU CAP legislation to support land managers to improve environmental outcomes on farms, and has several key targets for delivery in 2025 and 2027. Scotland has committed to **halting biodiversity loss by 2030**, partly through increasing the hectarage of protected and monitored habitats. Scotland has also committed to restoring **250,000 hectares of peatland by 2030**, and aims to plant **18,000 hectares of new woodland each year from 2024-2025**. The scale of ambition is immense, and high quality research and analysis will be essential to inform decision making about where, when, and how to target land use change for the biggest benefits.

Scottish Government has commissioned a variety of land use modelling tools through the Strategic Research Programme, however, there are challenges with embedding models and tools in policymaking given the diversity of the current landscape. This session Chaired by Kerstin Hinds, Head of the Environmental Analysis Unit, RESAS will explore the current capacity and limitations of land use modelling in Scotland, and consider how researchers, RESAS, and policy can design ways of working that facilitate the best use of land use research in policymaking.

The session will examine potential options for improving the way in which we bring modelling capacity into government for use in decision making. What are the key challenges with bringing models and tools together? What are the risks of our current approach, and would an alternative work better? Where can we learn from other sectors (i.e., not land use) or Government departments (e.g., Welsh Government's **ERAMMP**) about how they have designed solutions for integrating complex tools?

We will be leaning on the panel's expertise to help us think through these questions.

Chair:

Kerstin Hinds

Kerstin is a Senior Statistician in the Scottish Government and currently Head of the Environment Analysis Unit within the Rural and Environment Sciences and Analytic Services Division (RESAS). Her team provides economic, social research, operational research and statistical support to a range of environment policy areas including peatland restoration, biodiversity and natural capital. She has a broad interest in data systems and has previously worked on these within the UK's Office for Statistics Regulation and Department for International Development.

Panelists:

Alison Griffin

Alison currently works as the Land Use Transformation Portfolio and Policy Manager within Scottish Government. Alison supports the Land Use Transformation Portfolio Board, which considers opportunities for collaboration across land use. Alison and her team of policy professionals are responsible for producing Scotland's Land Use Strategy and the first Just Transition Plan for land and agriculture.

Professor Paula Harrison

Paula is a Principal Natural Capital Scientist and Professor of Land and Water Modelling at the UK Centre for Ecology and Hydrology (UKCEH). She is also the co-director of the Centre for Excellence on Environmental Data Science, and co-chairs the Intergovernmental science-policy Platform on Biodiversity and Ecosystem Services (IPBES) Nexus Assessment on the interlinkages among food, water, health, biodiversity and climate change. She is an internationally recognised expert in scenarios and integrated models, specialising in the generation and integration of diverse sources of knowledge using participatory approaches.

Dr. Andrew Moxey

Andrew is a freelance economist, who acts as a consultant to various public sector clients, including the Scottish Government, NatureScot, DEFRA, and others. Andrew also serves as the Director of ScotEID, is a UK representative on the ISO committee for animal identification, and is a member of the Academic Advisory Panel supporting the Scottish Government's Agricultural Reform Implementation and Oversight Board (ARIOB). Andrew has worked with Scottish Government on various modelling initiatives tied to land and agriculture, most recently working on modelling support for the Agriculture Reform Programme (SARP).

Dr. Rebekah Widdowfield

Rebekah currently serves as Vice-Principal (People and Diversity) at St. Andrews University. Rebekah previously worked as a researcher in academia, before joining Scottish Government where she served in a variety of policy and analytical roles. While working in Scottish Government, she led the creation of RESAS, the analytical division that supports rural and environmental policy teams. Her collective experience across research, government analysis, and government policy, make her uniquely qualified to think through the most effective ways to embed research in government.

Posters

No	Name	Organisation or Affiliation	Poster Title
1	Ian Pattison	Heriot-Watt University	Resilience to Fluvial Flooding: Knowns and Unknowns to Recommendations for Management
2	Annika Bucky	The Rowett Institute, University of Aberdeen	Using vertical farming systems for adapting nutritional content of crops
3	Lesley Jessiman	Scotland's Rural College (SRUC)	The Development of a Human Behaviour Change Intervention to Increase the Uptake of Body Condition Scoring Cattle by Hand: What are the Barriers and Drivers of Change?
4	Erin Bryce	University of Glasgow	An updated landslide susceptibility model for Scotland
5	Madalina Neacsu	The Rowett Institute, University of Aberdeen	Growing hemp on Scotland: Exploring its impact on soil health
6	Rhian Thomas	University of Glasgow	Building Public Health Resilience to Fluvial Flooding in Scotland
7	Adam Hayward	Moredun Research Institute	Impact of bovine TB and liver fluke infection on production efficiency in beef cattle
8	Amy Cooper	The James Hutton Institute	Navigating Water Scarcity: Impacts, Adaptations, and Future Predictions for Scotland's Land Use and Industries
9	James Price	The James Hutton Institute	Understanding Potato Cyst Nematode decline rates to preserve Scottish potato-growing land
10	Fiona Kenyon	Moredun Research Institute	GreenGrass – exploring regenerative agriculture for grazing sheep
11	Peter Skelsey	The James Hutton Institute	Turning the tide on potato viruses using data science & machine learning
12	Nicola Holden	Scotland's Rural College (SRUC)	Increasing resilience to One Health pathogens: impact from RESAS datasets
13	Neil Chalmers	Public Health Scotland	Do the Scottish public value NHS outdoor spaces?
14	Benjamin McCormick	University of Aberdeen	Estimating the nutrient supply from agriculture in Scotland

No	Name	Organisation or Affiliation	Poster Title
15	Maxine Scott	Skills Development Scotland	Careers and skills for a future climate
16	Ali Karley	The James Hutton Institute	Ensuring future resilience to pest and disease threats – a multi-disciplinary approach
17	Esther Jones	BioSS	Building an evidence base for offshore renewables
18	Matt Elliot	The Royal Botanic Garden Edinburgh	Improving biosecurity resources for professional operators
19	Sibylle Moh	University of Glasgow	Modelling Bluetongue BTV-3 spread and control for Scotland
20	Luiza Toma	Scotland's Rural College (SRUC)	Stakeholder insights on the circular economy and net zero synergies in island communities
21	David McBey	The Rowett Institute, University of Aberdeen	What can help Scotland shift to sustainable diets?
22	Eleanor Watson	Moredun Research Institute	Assessing disease risks in changing environments: Greylag geese as an exemplar study
23	Clara Benavent Celma	The James Hutton Institute	Novel tests to detect coliphages in drinking water
24	Martin Knight	BioSS	Large-scale and Systems Modelling
25	Maddy Giles	The James Hutton Institute	Can plant – soil interactions be a controller on GHG emissions from soils?
26	Luke Harrold	Scotland's Rural College (SRUC)	Legume-based intercropping: A pathway to reduced N2O emissions from agriculture?
27	Lorna Pate	Scotland's Rural College (SRUC)	The Agriculture and Health Equity Nexus
28	Bethan Thompson	Scotland's Rural College (SRUC)	Consumer preferences for single-use disposable and reusable cups regulation, persuasion and motivations
29	Arianne Lowe	Scotland's Rural College (SRUC)	Surveillance for Antimicrobial Resistance in Livestock Units and the Surrounding Environment
30	Verena Schmidt	The Rowett Institute, University of Aberdeen	Fingerprinting Pasture Phenolics: Aspects of Biodiversity, Animal Health, and Agricultural Practices

Event Information:

Location: **Our Dynamic Earth,**

Our Dynamic Earth is located at the bottom of **Holyrood Road, Edinburgh [EH8 8AS],** neighboring the Scottish Parliament and the Palace of Holyrood House.

Dynamic Earth is an approximately 15-minute walk from the city centre (Princes Street) and there are several bus routes a short walking distance away. Click **HERE** for information on how to get to the centre.

Dynamic Earth is close to the National Cycle Network. You can find details about the nearest cycling and walking routes here: **www.sustrans.co.uk**

There are a number of bus routes a short walking distance away. You can find details of all local bus services at **www.lothianbuses.com**

If travelling by car Dynamic Earth has on-site parking (approx. 120 spaces) allocated on first come basis - spaces cannot be reserved.
There are six electric car charging points for public use, and six wheelchair accessible parking bays. Free parking is available for all Blue Badge Holders, with tickets validated at the front desk.

Access:

Dynamic Earth is fully wheelchair accessible, with ramp access up to the entrance of the building and lifts throughout to navigate through the exhibition space, and to gain access to and from the car park. Wheelchair access to the car park is via the internal lifts only. Additionally, Dynamic Earth have disabled toilet facilities on both sides of the building, which include handle rails and wide door access. Dynamic Earth have 6 disable parking bays in their car park; to view their location, please download their access statement **HERE**.

Social Media:

To join the conversation please use #RESASConf24

Wi-Fi:

Network name: DELEGATES
Password: D3L3GATE