

Integrating quantitative social, ecological and mathematical sciences into landscape decision-making

Monday 7th September-Friday 11th September 2020 – Isaac Newton Institute, Cambridge and Online

Monday 7th September 2020

Time	Topic	Presenter(s)
13:30-14:00	Registration/Webinar Opens	
14:00-14:10	Welcome and Introduction	David Abrahams (<i>Isaac Newton Institute</i>) Jane Leeks (<i>Newton Gateway to Mathematics</i>)
14:10-15:10	Session 1: Outputs from 2019 Research Programme	
14:10-14:30	Decision-making under uncertainty	<i>Peter Challenor (University of Exeter)</i>
14:30-14:50	Spatial/temporal scaling	<i>Felix Eigenbrod (University of Southampton)</i>
14:50-15:10	Coupling models to represent interactions within landscape systems	<i>Paula Harrison (UK Centre for Ecology & Hydrology)</i>

Tuesday 8th September 2020

Time	Topic	Presenter(s)
9:00-09:30	Registration/Webinar Opens	
09:30-11:00	Session 2: Stakeholder Perspectives	
09:30-09:55	Stakeholder talk	<i>Sue Pritchard (UK office of Food and Land Use Coalition)</i>
09:55-10:20	Stakeholder talk	<i>Pam Berry (Defra) & Dan McGonigle (Defra)</i>
10:20-10:45	Stakeholder talk	<i>James Skates (Welsh government)</i>
10:45-11:00	Landscapes Decisions Programme coordination Team Update?	<i>Heiko Balzter (University of Leicester)</i>
11:00-11:30	Tea and coffee break/Webinar Remains Open for post-talk discussions	
11:30-13:30	Break/Lunch	
13:30-14:00	Webinar Opens	
14:00-15:20	Session 3: Landscape and Decisions Large Maths Call Project Presentations	
14:00-14:20	Project PI Short Presentation	<i>Mark Brewer (The James Hutton Institute, BioSS)</i>
14:20-14:40	Project PI Short Presentation	<i>Richard Everitt (University of Warwick)</i>
14:40-15:00	Project PI Short Presentation	<i>David Large (University of Nottingham)</i>
15:00-15:20	Project PI Short Presentation	<i>Eleni Matechou (University of Kent)</i>

Wednesday 9th September 2020

Time	Topic	Presenter(s)
09:00-09:30	Registration/Webinar Opens	
09:30-10:30	Session 5: State-of-the-art Environmental modelling	
09:30-10:00	An overview of land system modelling	<i>Mark Rounsevell (Karlsruhe Institute of Technology)</i>
10:00-10:30	Integrated economic-environmental modelling	<i>Brett Day (University of Exeter)</i>
10:30-11:00	Tea and coffee break/Webinar Remains Open for post-talk discussions	
11:00-12:00	Session 4a: State-of-the-art in quantitative social modelling	
11:00-11:30	Social simulation modelling within landscape systems	<i>Gary Polhill (James Hutton Insitute)</i>
11:30-12:00	Analytical Sociology	<i>Marc Keuschnigg (Linköping University)</i>
12:00-13:30	Lunch	
13:30-14:00	Webinar Opens	
14:00-16:00	Session 4b: State-of-the-art in quantitative social modelling	
14:00-14:30	Geo-spatial quantitative social science.	<i>Alex Comber (Univeristy of Leeds)</i>
14:30-15:00	Quantifying beauty of outdoor places	<i>Suzy Moat (University of Warwick)</i>
15:00-15:30	Tea and coffee break/Webinar Remains Open for post-talk discussions	
15:30-16:00	Demography research	Jakub Bijak (University of Southampton)
16:00-16:30	Cutting-edge quantitative methods and approaches	<i>Milena Tsvetkova (LSE)</i>
19:00	Workshop Dinner	

Thursday 10th September 2020

Time	Topic	Presenter(s)
09:30-10:00	Registration/Webinar Opens	
	Session 6: Integrating social, mathematical and enviro-ecological modelling - Group Discussions	
10:00-10:30	Introduction and Group Formation	<i>(Organiser)</i>
10:30-12:00	Group Discussions	<i>(Facilitated using breakout in zoom meeting for those joining virutally)</i>
12:00-13:30	Lunch	
13:30-14:00	Webinar Opens	
14:00-15:30	Session 7: Unstructured discussion time	

Friday 11th September 2020

09:00-09:30	Registration/Webinar Opens
10:00-12:00	Session 8: Gaps and Research Priorities
10:00-12:00	Reporting back from breakout groups on gaps and priorities for future research, followed by panel discussion
12:00-13:00	Finish/Webinar Remains Open for post-talk discussions