# AGILE 2024 Programme

The 27th AGILE Conference: Geographic Information Science for a Sustainable Future  
University of Glasgow, Glasgow, UK, 4-7 June 2024

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<th>4 June</th>
<th>5 June</th>
<th>6 June</th>
<th>7 June</th>
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<tr>
<td>Tuesday</td>
<td>Wednesday</td>
<td>Thursday</td>
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<tr>
<td>8:30 – 15:00</td>
<td>Registration</td>
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<td>9:00 – 11:00</td>
<td>Welcome</td>
<td>9:00 – 10:00</td>
<td>8:30 – 9:30</td>
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<tr>
<td>Workshops</td>
<td></td>
<td>S1 Keynote: Dr. Somayeh Dodge</td>
<td>S10 Keynote: Dr. Alessia Calafiore</td>
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<td>W1, W2, W3, W4, W5</td>
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<tr>
<td>11:00 – 11:15</td>
<td>Coffee break</td>
<td>10:00 – 10:30</td>
<td>9:30 – 12:00</td>
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<td>Coffee break Poster session (continued)</td>
<td>S11 Best paper competition &amp; Closing</td>
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<td>11:15 – 13:00</td>
<td>Welcome</td>
<td>10:30 – 12:00</td>
<td>12:00 – 12:10</td>
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<td>Workshops</td>
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<td>S6</td>
<td>Announcement of AGILE 2025 Conference</td>
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<td>W1, W2, W3, W4, W5</td>
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<td>S6a, S6b, S6c</td>
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<tr>
<td>13:00 – 14:00</td>
<td>Lunch</td>
<td>12:00 – 13:00</td>
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<td>Lunch</td>
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<td>14:00 – 16:00</td>
<td>Welcome</td>
<td>13:00 – 14:00</td>
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<td>Workshops</td>
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<td>S7</td>
<td>Plenary AGILE Annual Assembly</td>
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<td>W6, W7, W8, W9, W10</td>
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<td>S3</td>
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<td>S3a, S3b, S3c</td>
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<td>16:00 – 16:15</td>
<td>Coffee break</td>
<td>15:00 – 15:30</td>
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<td>S8 Published papers</td>
<td>S8a, S8b, S8c</td>
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<td>16:15 – 18:00</td>
<td>Welcome</td>
<td>15:30 – 16:00</td>
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<td>Workshops</td>
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<td>S4</td>
<td>Coffee break Poster session (continued)</td>
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<td>W6, W7, W8, W9, W10</td>
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<td>S4a, S4b, S4c</td>
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<td>17:00 – 17:30</td>
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<td>End of Conference</td>
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<td>Poster lightening talk</td>
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<td>Poster session</td>
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<tr>
<td>19:00 – 23:00</td>
<td>Icebreaker Reception (Sponsored by ESRI)</td>
<td>18:30 – 19:30</td>
<td>19:00 – 22:00</td>
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<td></td>
<td></td>
<td>Social Activities (Campus tour, City centre tour, whisky taste)</td>
<td>Conference dinner</td>
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**Venue**
- ARC 237A: W1, W6
- ARC 237B: W2, W7
- ARC 237C: W3, W8
- ARC Studio 2: W4, W9
- ARC Room 225: W5, W10
- Foyer@JWS: Poster exhibition
- SCW Room 201: S1, S2a, S3a, S4a, S5, S6a, S7, T1, S8a, S10, S11
- SCW Room 101: S2b, S3b, S4b, S6b, T2, S8b
- JWS Room 375: S2c, S3c, S4c, S6c, S8c

**Social Events**
- Icebreaker reception: Òran Mòr
- Social Activities: Meet in front of SCW at 18:15 on Wednesday 5 June
Day 1: Tuesday 4 June

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>8:30 – 15:00</td>
<td>Registration 8:30 – 15:00 Exhibition Space</td>
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<tr>
<td>9:00 – 13:00</td>
<td>Workshops (Coffee break) 9:00 – 13:00 Exhibition Space</td>
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<tr>
<td>(11:00 – 11:15)</td>
<td>(CoYee break) 9:00 – 13:00 Exhibition Space</td>
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<tr>
<td>W1</td>
<td>Mapping with communities: contemporary approaches and challenges</td>
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<td></td>
<td><em>Diego Pajarito Grajales &amp; Anne Schauss</em></td>
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<td>W2</td>
<td>Education and training for a new generation of geospatial scientists</td>
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<td><em>Justine Blanford</em></td>
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<td>W3</td>
<td>Geoanalytics and spatial data science for eXtended Realities - The</td>
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<td>theoretical, practical, and impactful opportunities of eXtended</td>
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<td>Realities for the geoinformation sciences</td>
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<td><em>Alexander Klippel</em></td>
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<td>W4</td>
<td>Mapping Minds: Exploring the Intersection of Spatial Cognition,</td>
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<td>Computational Design, Neuroscience and Spatial Data Science</td>
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<td><em>Jia Wang</em></td>
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<td>W5</td>
<td>FAIR Research Objects in GIScience</td>
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<td><em>Carsten Keßler</em></td>
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<td>Lunch</td>
<td>13:00 – 14:00 Exhibition Space</td>
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<td>14:00 – 18:00</td>
<td>Workshops/Tutorials (Coffee break) 14:00 – 18:00 Exhibition Space</td>
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<tr>
<td>W6</td>
<td>Current trends of Volunteered Geographic Information in National</td>
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<td>Mapping and Cadastral Agencies</td>
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<td></td>
<td><em>(Organised by EuroSDR)</em></td>
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<td><em>Juha Oksanen</em></td>
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<td>W7</td>
<td>Knowledge mapping of people and publications</td>
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<td><em>Rob Lemmens</em></td>
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<td>W8</td>
<td>Humans in the City: Artificial Intelligence Research and Urban</td>
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<td>Environments</td>
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<td><em>Ioannis Giannopoulos</em></td>
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<td>W9</td>
<td>Modelling Space and Time with GAMS: spatially and temporally</td>
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<td>varying coefficient models and Spatial Decision Making in R</td>
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<td><em>Lex Comber</em></td>
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<td>W10</td>
<td>Mapping with EuroRegionalMap Open Data and QGIS</td>
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<td><em>Barend Köbben</em></td>
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<tr>
<td>Icebreaker Reception (Sponsored by ESRI)</td>
<td>19:00 – 23:00 @ Óran Mór</td>
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Conference dinner: The City Chambers (transport from/to University is included, see Day 3 for details)
Registration & Lunch: 4 June: Exhibition Space@ARC; 5-7 June: Foyer@SCW
Day 2: Wednesday 5 June

Registration 8:30 – 15:00  Foyer@SCW

Welcome 9:00 – 9:30  Room 201@SCW

S1 Keynote 9:30 – 10:30  Room 201@SCW

Session chair: Sabine Timpf

Data-driven Movement Analysis for Understanding Human Behavior and Interaction in Changing Urban Environments
Dr. Somayeh Dodge

Coffee break 10:30 – 11:00

S2 Full/short Paper Sessions 11:00 – 12:30

S2a: GeoAI Room 201@SCW

Session chair: Ana Basiri

Dynamic construction of visible knowledge graph based on 3D geographic scene for intelligent bridge management
Jun Zhu and Yukun Guo

Artificial intelligence for greater transparency in housing price estimation
Christian Mueller-Kett

Unveiling historical agroecological patterns through artificial intelligence (AI) and Geographic Information Systems (GIS)
Cláudia M. Viana and Diogo Carvalho

Occupation Prediction with Multimodal Learning from Tweet Messages and Google Street View Images
Xinyi Liu, Bo Peng, Meiliu Wu, Mingshu Wang, Heng Cai and Qunying Huang

S2b: Remote sensing Room 101@SCW

Session chair: Evelyn Uuemaa

Road Network Mapping from Multispectral Satellite Imagery: Leveraging Deep Learning and Spectral Bands (full paper)
Samuel Hollendonner, Negar Alinaghi and Ioannis Giannopoulos

Vector data cubes for features evolving in space and time
Lorena Abad, Martin Sudmanns and Daniel Höbling

Water Body Detection Using Sen2Cube.at and Comparison to Open Data - Assessing for Floating Photovoltaics
Franziska Hübl, Hannah Augustin, Martin Sudmanns, Dirk Tiede and Johannes Scholz

Estimating hyperlocal traffic CO2 by customizing spatial relationship: An analysis from Digital Footprint data
Ye Tian, Joao Porto de Albuquerque and Nick Bailey

S2c: GIS for a sustainable future Room 375@JWS

Session chair: Peter Mooney

Knowledge-Based Identification of Urban Green Spaces: Allotments (full paper)
Irada Ismayilova and Sabine Timpf
A Spacematrix and Clustering Approach to understanding the morphology of Singapore’s Housing Development Board (HDB) Estates
*Cai Wu, Jiong Wang, Mingshu Wang and Menno-Jan Kraak*

Patterns of (dis)arrangement: revealing differences in perceived neighbourhood boundaries in Lisbon
*Vicente Tang and Marco Painho*

Using a hybrid semi-intergrated spatial allocation model to model future housing allocation
*Bas van Bemmel, Irena Itova and Ismay Bax*

**Lunch** 12:30 – 13:30  Foyer@SCW

**S3 Full/short Paper Sessions** 13:30 – 15:00

**S3a: Movement analysis**  Room 201@SCW

*Session chair: Katarzyna Sila-Nowicka*

The Impact of Traffic Lights on Modal Split and Route Choice: A use-case in Vienna (full paper)
*Ioanna Gogousou, Manuela Canestrini, Negar Alinaghi, Dimitrios Michail and Ioannis Giannopoulos*

Assessment of bicycle accessibility to mobility hubs under different criteria for cycling network quality
*Lucas van der Meer, Christian Werner and Martin Loidl*

The impact of transit catchment size on modeling the integration between shared e-scooters and public transport
*Pengxiang Zhao, Aoyong Li and Ali Mansourian*

Exploring User Semantic Annotation from Trajectories in the Scenario of Shared Locations
*Jens Golze, Monika Sester, Udo Feuerhake and Claus Brenner*

**S3b: GeoAI and knowledge representation**  Room 101@SCW

*Session chair: Carsten Kessler*

A model-driven methodology for integrating heterogeneous 3D spatial urban entities (full paper)
*Diego Vinasco-Alvarez, Clemetn Colin, John Samuel, Sylvie Servigne, Christophe Bortolasso and Gilles Gesquiere*

GetFeedback!: Feedback-based Learning while Identifying a Caravan Site Location
*Eva Nuhn, Laura Spang and Sabine Timpf*

Measuring Geographic Diversity of Foundation Models with a Natural Language—based Geo-guessing Experiment on GPT-4
*Zilong Liu, Krzysztof Janowicz, Kitty Currier, and Meilin Shi*

A collaborative approach for the identification of thermal hotspots: from remote sensing data to urban planning interventions
*Claire Gallacher, Susanne Benz, Denise Boehnke and Mathias Jehling*

**S3c: GIS for a sustainable future**  Room 375@JWS

*Session chair: Marco Painho*
A gamified platform to encourage sustainable behaviours (full paper)
Manuel Soares, Teresa Romão and Armanda Rodrigues

Mapping the development of green in gardens over time: is your neighbour’s garden really greener?
Lynn Bouwknegt, Eric Koomen and Jan Rouwendal

Construction of a walkability quality dataset in GIS: the case study of Berlin
Federica Gaglione

Use of iNaturalist Biodiversity Contribution Data for Modelling Travel Distances to Parks Across the United States
Jiping Cao and Hartwig H Hochmair

Coffee break 15:00 – 15:30

S4 Full/short Paper Sessions 15:30 – 17:00

S4a: Spatial data and processing Room 201@SCW
Session chair: Sabine Timpf

Process Analysis in Humanitarian Voluntary Geographic Information: the case of the HOT Tasking Manager (full paper)
Dagoberto José Herrera-Murillo, Héctor Ochoa-Ortiz, Umair Ahmed, Francisco Javier López-Pellicer, Barbara Re, Andrea Polini and Javier Nogueras-Iso

Data Quality of OpenStreetMap data for Industrial Sites in the Arctic
Daniel Kwakye, Sabrina Marx, Benjamin Herfort, Moritz Langer and Sven Lautenbach

EyeCatchingMaps, a Dataset to Assess Saliency Models on Maps
Laura Wenclik and Guillaume Touya

Lessons from spatial transcriptomics and computational geography in mapping the transcriptome
Alexis Comber, Rachel Queen, Eleftherios Zormpas and Simon Cockell

S4b: Spatial analysis and statistics Room 101@SCW
Session chair: Ana Cristina Costa

Random Data Distribution for Efficient Parallel Point Cloud Processing (full paper)
Balthasar Teuscher and Martin Werner

Sui Zhang and Ziqi Li

The Challenges of Line Buffers
Šimon Leitgeb

Smoothing the Ride: A Surface Roughness-Centric Approach to Bicycle Routing
Pablo S. Löw and Jukka M. Krisp

S4c: Semantics Room 375@JWS
Session chair: Simon Scheider

Towards semantic enrichment of Earth Observation data: The LEODS framework (full paper)
Daniela F. Milon-Flores, Camille Bernard, Jérôme Gensel, Gregory Giuliani and Bruno Chatenoux, and Hy Dao

Locality and transferability: examining pre-built lexicons to elicit landscape values from natural language
Inhye Kong and Ross Stuart Purves
Land Evaluation Configuration using Answer Set Programming  
*Mina Karamesouti and Etienne Tignon*

Comparative Evaluation of Keyphrase Extraction Tools and Ontology Enrichment for Semantic Representation of Climate Change Scientific Reports  
*Eirini Katsadaki and Margarita Kokla*

**Poster lightening talk**  
Session chair: Juha Oksanen

**Social Activities** (Campus tour/City centre tour/whisky taste)  
18:30 – 19:30
Day 3: Thursday 6 June

Registration 8:30 – 15:00 Foyer@SCW

S5 Keynote 9:00 – 10:30 Room 201@SCW

Session chair: Mingshu Wang
Spatial Data Science for Sustainable and Inclusive Cities
Dr. Rafael H. M. Pereira

Coffee break 10:00 – 10:30

S6 Full/short Paper Sessions 10:30 – 12:00

S6a: GIS education, tools, and datasets Room 201@SCW
Session chair: Fernando Benitez

OER4SDI: Open Educational Resources for Spatial Data Infrastructures (full paper)
Carsten Keßler, Albert Remke, Henryk Hodam, Fabian Przybylak and Andreas Rienow
Development of a tool to calculate distance for veterinary epidemiological applications
Mirco Cazzaro, Francesca Scolamacchia, Paolo Mulatti and Nicola Ferrè
Educating for Open and Reproducible Research: Lessons from a Geospatial MSc program
Frank Ostermann
DGGSTools: An Open Source Python Package for the Manipulation of Vector and Raster Datasets in the rHEALPix Discrete Global Grid System
Sergio Martin-Segovia, Rubén Béjar and F. Javier Zarazaga-Soria

S6b: GeoVisualization Room 101@SCW
Session chair: Auriol Degbelo

Explore maps as you read a comic book (full paper)
Bérénice Le Mao and Guillaume Touya
UV printed tactile maps of historic parks
Jakub Wabiński, Andrzej Araszkiewicz, Albina Mościcka, Emilia Śmiechowska-Petrovskij and Damian Kisiel
Combination of Augmented Reality and 3D Geographic Information: A User perspective towards Feature-Based Augmented Reality
Te-Lun Huang and Jong-Hong Hong
A methodological inquiry for anchoring pan-scalar maps
Maïeul Gruget, Quentin Potié and Guillaume Touya

S6c: Social media and VGI Room 375@JWS
Session chair: Henrikki Tenkanen

Evaluating geotemporal behaviours in OpenStreetMap contributors (full paper)
Guy Solomon, Dominick Sutton, Merve Polat Kayali, Xinyi Yuan, Zoe Gardner and Ana Basiri
Multimodal Geo-Information Extraction from Social Media for Supporting Decision-Making in Disaster Management
David Hanny and Bernd Resch
Linking social media with hedonic house prices to identify neighbourhood change
Alexis Comber, Minh Kieu, Bui Quang Thanh and Nick Malleson
Constructing Spatio-temporal Disaster Knowledge Graph from Social Media
Yen-Ching Liu and Chiao-Ling Kuo

Lunch 12:00 – 13:00 Foyer@SCW

S7 Plenary AGILE Annual Assembly 13:00 – 14:00 Room 201@SCW

S8 Short/Published Paper Sessions 14:00 – 15:30

S8a: Movement and road network Room 201@SCW
Session chair: Carmen Cabrera-Arnau

Spatio-temporal Spread of Disruptions in Interconnected Supply Networks (short paper)
Matthias Winter and Johannes Scholz

Graph convolutional networks for street network analysis with a case study of urban polycentricity in Chinese cities
Ding Ma, Fangning He, Yang Yue, Renzhong Guo, Tianhong Zhao and Mingshu Wang

Modeling Activity Spaces using Big Geo-Data: Progress and Challenges
Yihong Yuan and Xu Yang

Measuring spatial inequality of urban park accessibility and utilisation: A case study of public housing developments in Auckland, New Zealand
Jessie Colbert, I-Ting Chuang and Katarzyna Sila-Nowicka

Identifying tourism attractiveness based on intra-destination tourist behaviour: evidence from Wi-Fi data
Luning Li, Zixuan Pei, Qiang Li, Fengxin Hao, Xiang Chen and Jin Chen

S8b: Remote and social sensing Room 101@SCW
Session chair: Carlos Granell

A data-driven approach to estimate travel-related carbon emissions with high spatial and temporal granularity (short paper)
Henrikki Tenkanen, Ngoc Chau and Subhrasankha Dey

Seasonal dynamics of fallow and cropping lands in the broadacre cropping region of Australia
Zunyi Xie, Yan Zhao and Andries Potgieter

Mapping local-scale working population and daytime population densities using points-of-interest and nighttime light satellite imageries
Yeran Sun, Jing Xie and Yu Wang

Assessing the socio-demographic representativeness of mobile phone application data
Michael Sinclair, Saeed Maadi, Qunshan Zhao, Jinyun Hong, Andrea Ghermandi and Nick Bailey

The Synthetic Population Catalyst Toolkit
Fernando Benitez-Paez, Hadrien Salat, Dustin Carlino, Daniel Arribas-Bel, Mark Birkin and Anna Zanchetta

Supervised Versus Semi-Supervised Urban Functional Area Prediction: Uncertainty, Robustness and Sensitivity
Rui Deng, Yanning Guan, Danlu Cai, Tao Yang, Klaus Fraedrich, Chunyan Zhang, Jiakui Tang, Zhouwei Liao, Zhishou Wei and Shan Guo

Identifying Hard-to-Decarbonize houses from multi-source data in Cambridge, UK
Maoran Sun and Ronita Bardhan
The Spatiotemporal Patterns of Community Vulnerability in the U.S. Mobile Bay from 2000–2020  
Hemal Dey, Wanyun Shao, Shufen Pan and Hanqin Tian

How does the choice of DEMs affect catchment hydrological modeling?  
Desalew Meseret Moges, Evelyn Uuemaa, Alexander Kmoch, Holger Virro, Raj Cibin, A.N. Rohith, Carmelo Conesa-García and Alberto Martínez-Salvador

Mapping Small Watercourses from DEMs with Deep Learning—Exploring the Causes of False Predictions  
Christian Koski, Pyry Kettunen, Justus Poutanen, Lingli Zhu and Juha Oksanen

Geoinformatics approach to classifying landslide hazard in The Hantana Mountain and its vicinity in Sri Lanka  
Ashvin Wickramasooriya and Sathya Dilini

Multiscale analysis of the influence of street built environment on crime occurrence using street-view images  
Zhanjun He

How do people perceive driving risks in small towns? A case study in Central Texas  
Xiao Li, Greg Rybarczyk, Wei Li, Muhammad Usman, Jiahe Bian, Andong Chen and Xinyue Ye

How Semi-Urbanisation Drives Expansion of Rural Construction Land in China: A Rural-Urban Interaction Perspective  
Yang Wang, Chengchao Zuo and Mengke Zhu

Location Optimization of Emergency Medical Services: Considering Joint Service Coverage of Ambulances and Emergency Centers  
Weicong Luo

Coffee break 15:30 – 16:00

S9 Tutorials 16:00 – 18:00

T1  
Open data and methods for assessing active mobility options: Routing in the context of bikeability and walkability  
Adam Rousell and Christian Werner

T2  
Spatial modelling and interpretability with Random Forest  
Holger Virro

Conference dinner 19:00 – 22:00  @The City Chambers

Two coaches will wait on University Ave., near the main gate, and will leave at 6:30 PM. The same coaches will wait outside the City Chambers at 10:00 PM and take the participants back to the University.
Day 4: Friday 7 June

S10 Keynote 8:30 – 9:30  Room 201@SCW

Session chair: Rob Lemmens

Urban Data Science for Sustainable Mobility Transitions
Dr. Alessia Calafiore

S11 Best paper competition 9:30 – 12:30  Room 201@SCW

Session chair: Rob Lemmens

Best full paper competition
FreeMapRetrieve: Freehand Gestures for Retrieve Operations in Large-Screen Map Environments
Jonas Hurst, Auriol Degbelo and Christian Kray
Developing a city-specific walkability index through a participatory approach
Matias Cardoso, Vasileios Milias and Maurice Harteveld
Enhancing toponym identification: Leveraging Topo-BERT and open-source data to differentiate between toponyms and extract spatial relationships
Joseph Shingleton and Ana Basiri

Best short paper competition
Geolocating Bees by Translating the Waggle Dance into Spatial Coordinates
Sylvain Galopin, Guillaume Touya and Freddie-Jeanne Richard
Studying the spatial structure of urban heat exposure in Berlin utilising Moran drop plots and seismograms
René Westerholt and Florian Klopfer
A software tool for generating synthetic spatial data for GIS-classroom usage
Patrick Gorry and Peter Mooney

Announcement of AGILE 2025 12:30 – 12:40  Room 201@SCW

Lunch 12:40 – 13:40  Foyer@SCW

End of Conference

Presentation time

Full papers: 30 min (20 min presentation + 10 min Q&A)
Short papers: 20 min (15 min presentation + 5 min Q&A)
Published papers: 10 min (8 min presentation + 2 min Q&A)
Posters

Assessing 3-Dimensional Air Pollution Distribution in the Zhunan-Miaoli Area, Taiwan Using a Hybrid Spatial Model
Jun-Jun Su, Chia-Wei Hsu, Yinq-Rong Chern and Chih-Da Wu

3-D Hybrid Spatial Modeling for PM1.0 Air Pollution Assessment: A Case Study of the Zhunan-Miaoli Area, Taiwan
Chia-Wei Hsu, Yinq-Rong Chern, Jun-Jun Su, Candera Wijaya, Yu-Cheng Chen, Shih-Chun Lung, Ta-Chih Hsiao, Tee-Ann Teo, Yi-Liang Shih and Chih-Da Wu

Uncovering the global and local structures of urban networks via Poincaré Embedding
Zhaoya Gong, Chenglong Wang and Bin Liu

Spectral indices in RAPS images captured with the Mapir Survey3 multispectral camera, case of Villapinzón – Colombia
Erika Upegui and Karol Chicuazuque

Implementation and assessment of Ikonos satellite image fusion with Deep Covolutional Neural Networks, PCA and Gram-Schmidt using Matlab
Javier Medina, Ivan Carrillo and Erika Upegui

An adaptive road width approach for multiscale visualization of high-density road networks based on unstructured raster data
Yilang Shen, Yiqing Zhang, Wanyue Dai, Yang Chen and Jinyu Deng

Migratory Geomagnetic Navigation to Stopovers, Breeding and Wintering Grounds
Ali Moayedi, Jed Long, Andrea Kölzsch and Urska Demsar

Nohemi Ramirez Aranda, Alexander Wandl and Birgit Hausleitner

Assessing Hospital Capacity and Patient Demand Across London: A Spatial Analysis
Sijie Tan and Yijing Li

Navigating Heat Stress: Integrating heat stress modelling and routing to assist citizens and planners
Christina Ludwig, Johannes Fürle, Kathrin Foshag, Sven Lautenbach, Adam Rousell and Alexander Zipf

Cameron Ward, Caitlin Robinson, Alex Singleton and Francisco Rowe

Using computer vision with pre-existing crowdsourced data for low-cost transport data collection in LMICs
Giles Lipscombe and Mark Dimond

Digital and physical accessibility to essential services and opportunities: how far are people living in Estonia at risk of social exclusion?
Alessandro Giordano and Patrizia Sulis

Identifying the appropriate spatial resolution using local indicators of spatial association
Nicholas Hamm

Participatory AI validation within the IDEAMAPS Data Ecosystem
Diego Fabian Pajarito Grajales, Andrew Clarke and Grant Tregonning

Where England’s Cities Are Growing: Evidence from Big Building Footprint Data
Xinyi Yuan, Ziqi Li and Mingshu Wang

GeoEducation in Collaborative Immersive Virtual environment
Hana Svedova, Katerina Jochecova, Ondrej Kvarda, Zdenek Stachon, Cenek Sasinka and Pavel Ugwitz

The Impact of Perspective and Cultural Variations on Navigational Skills within Immersive Virtual Reality Environments
Ondřej Kvarda, Zdeněk Stachoň, Čeněk Šašinka and Jiří Čeněk

HexMapper: A sketch map tool to capture 'wide-view' domains of spatial perception and knowledge
Mariana Vallejo Valézquez and Ourania Kounadi

Deriving mobility insights from Mobile App Data: A Comparative Study on Distance Thresholds for Stay Detection
Varun Raturi and Faraz Malik Awan

Travel Mode Detection: Harnessing the Power of Mobile Phone Apps Data through Machine Learning
Faraz Malik Awan and Varun Raturi

Quantifying Agricultural Land Use Changes from 1995 to 2018 through Intensity Analysis
Cláudia M. Viana, Diogo Carvalho and Jorge Rocha

A Comparative Study on the Visualization Strategies of Spatio-Temporal Phenomena
Yu-Wen Chiu and Jung-Hong Hong

Landsat Time Series Analysis towards a Settlement Typology for Mankweng and Environs (South Africa) in Support of Scaling Coproduced Knowledge
Felipe Vásquez Tavera, Deepthi Patric and Gertrud Schaab

Kamal Shahi, Yeshey Samdrup, Yohannes Abrha Mulaw, Ana Cristina Costa and Marco Painho

AccessUK, an open-source tool for integrating spatial accessibility with R
J Rafael Verduzco-Torres

Should We Convert One-Way to Two-Way Streets? The impact on travelled distance and modal split
Manuela Canestrini, Ioanna Gogousou, Negar Alinaghi, Dimitrios Michail and Ioannis Giannopoulos

Conceptualising a co-operative densification dashboard
Bénédicte Bucher, Mouhamadou Ndim, Ana-Maria Olteanu-Raimond, Juste Raimbault, Julien Perret, Sebastian Dembski and Mathias Jehling
Conference Venue

The conference will be held at three buildings at the University of Glasgow, Gilmorehill campus (Gibson St, Glasgow G12 8NN): Advance Research Centre (ARC), the Sir Charles Wilson Building (SCW) and the James Watt South Building (JWS). Their locations are highlighted on the map below:
Icebreaker Reception: Óran Mór (4 June 2024, sponsored by ESRI Global)

19:00-23:00, Top of Byres Road, Glasgow, G12 8QX
Conference Dinner with Civic Reception: The City Chambers (6 June 2024)

19:00-22:00, 23 Montrose St, Glasgow G1 1RE.
Whisky tasting (3 June 2024)

18:45-19:45, The Pot Still Pub, 154 Hope St (in Glasgow city centre close to Buchanan Street Subway Station).