

Session No. & Title:	1. Migration crisis, migration in crisis: Complex effects of (supra-)national policies on human mobility
Session chair(s) & Affiliation(s)	Gintare Kudzmaite, Tampere University; Kirsi Pauliina Kallio, Tampere University

Order	Title of presentation	Author(s) & Affiliation(s)
1	The framing of migrants in the EU's New Pact on Migration and Asylum	Jouni Häkli, Tampere University; Gintarė Kudžmaitė, Tampere University & Kirsi Pauliina Kallio, Tampere University
2	The Politics of Performing Care: An Analysis of the Portrayal of Care by the Political Parties after the Exodus of Rohingyas	Morsaline Mojid, University of Hawaii at Manoa
3	From a gate into a fence? Changing visual media representations of the Finnish-Russian border	Virpi Kaisto, University of Eastern Finland
4	Right to leave, right to stay, right to return? High school students' interpretations of climate mobilities	Kirsi Pauliina Kallio, Tampere University; Jouni Häkli, Tampere University; Kimmo Härmä, Tampere University
5	Postcolonial empathy education: school interventions in Finland and Greece on climate mobilities	Vilhelmiina Vainikka, Tampere University; Kirsi Pauliina Kallio, Tampere University

Session No. & Title:	2. 3D participatory methods for urban and landscape planning
Session chair(s) & Affiliation(s)	Carolin Klonner, University of Turku; Nora Fagerholm, University of Turku; Salla Eilola, University of Turku

Order	Title of presentation	Author(s) & Affiliation(s)
1	3D Participatory Mapping	Carolin Klonner, University of Turku; Nora Fagerholm, University of Turku; Salla Eilola, University of Turku
2	3D Reconstruction of Historical Monuments from Photogrammetric Processing of Images Obtained Using Low-cost UAV and Traditional Digital Camera	Augustine-Moses Gbagir, University of Eastern Finland; Alfred Colpaert, University of Eastern Finland

Session No. & Title:	4. Maantiede aktiivisen ja ympäristövastuullisen kansalaisuuden edistäjänä / Geography as a Promoter of Active and Environmentally Responsible Citizenship
Session chair(s) & Affiliation(s)	Anssi Huoponen, Itä-Suomen yliopisto Co-chairs: Sanna Mäki, Turun yliopisto; Minna Tanskanen, Itä-Suomen yliopisto

Order	Title of presentation	Author(s) & Affiliation(s)
1	Geomediakyvykkyys, kriittinen geomedialukutaito ja niiden merkitys nuorten arjessa ja kansalaisuuteen kasvussa	Heli Kainulainen, Helsingin yliopisto; Hirvensalo, V., Helsingin yliopisto; Hynynen, L., Helsingin yliopisto; Jylhä, M., Helsingin yliopisto; Lammi, P., Helsingin yliopisto; Nylén, T., Helsingin yliopisto; Pellikka, A., Helsingin yliopisto; Päivärinta, R., Helsingin yliopisto & Muukkonen, P., Helsingin yliopisto
2	Geomedia kouluopetuksessa – opintojakso työelämälähtöiseen osaamisen vahvistamiseen	Sanni Pirttilä, Itä-Suomen yliopisto; Ville Tahvanainen, Itä-Suomen yliopisto
3	Geography in the matriculation examination: How the number of geography courses in school impact the students' choices of demanding tasks in the exam	Christina Ruth, University of Helsinki; Tomas Hanell, Migration institute of Finland
4	Pedagogista kokeilua Galleria Kasvihuoneella	Lauri Jantti, Helsingin yliopisto
5	Lukion uskonnonopettajien ammatillinen osaaminen ja kasvu ympäristökasvatuksen näkökulmasta	Marika Pakarinen, Itä-Suomen yliopisto

Session No. & Title:	5. Adaptive strategies of businesses in times of crises and transformations
Session chair(s) & Affiliation(s)	Maija Halonen, University of Eastern Finland; Irene Kuhmonen, University of Jyväskylä

Order	Title of presentation	Author(s) & Affiliation(s)
1	Farmers' transformative capacities in the making of a sustainable food system	Irene Kuhmonen, University of Jyväskylä
2	Spatial bricolage in small rural tourism businesses	Inna Kopoteva, University of Helsinki
3	Rethinking the concept of small-scale mining for a European social context	Olga Sydd, University of Eastern Finland
4	The transformation of Finnish forest-based companies through collaborative business models	Annukka Näyhä, University of Jyväskylä; Venla Wallius, European Forest Institute
5	Resilience of peripheral forest industry in time of crises	Maija Halonen, University of Eastern Finland

Session No. & Title:	6. Using and perceiving nature in the urbanized society
Session chair(s) & Affiliation(s)	Riikka Puhakka, University of Helsinki; Kati Pitkänen, Finnish Environment Institute; Nora Fagerholm, University of Turku

Order	Title of presentation	Author(s) & Affiliation(s)
1	Outdoor recreation and connection with nature among young people in Finland	Riikka Puhakka, University of Helsinki; Ann Ojala, Natural Resources Institute Finland; Marjo Neuvonen, Natural Resources Institute Finland; Joel Manner, Itla; Seija Tuulentie, Natural Resources Institute Finland
2	Nature's role in the eudaimonic wellbeing – creative nature writings from people who use mental health association's services	Johanna Jämsä, University of Turku
3	Not in my leisure area! (NIMLA): Mining-related disputes associated to tourism and second homes in Finland from the geosystem services perspective	Toni Eerola, Geological Survey of Finland

Session No. & Title:	7. Beyond the pretty picture: Remote sensing for biodiversity and ecosystem condition monitoring.
Session chair(s) & Affiliation(s)	Miguel Villoslada, University of Eastern Finland; Topi Tanhuanpää, University of Eastern Finland

Order	Title of presentation	Author(s) & Affiliation(s)
1	Foliar chlorophyll and carotenoid contents of European aspen assessed with airborne hyperspectral imaging	Sarita Keski-Saari, University of Eastern Finland; Markku Keinänen, University of Eastern Finland; Janne Mäyrä, Finnish Environment Institute; Arto Viinikka, Finnish Environment Institute; Laura Poikolainen, University of Eastern Finland; Topi Tanhuanpää, University of Eastern Finland; Sonja Kivinen, University of Eastern Finland; Petteri Vihervaara, Finnish Environment Institute; Timo Kumpula, University of Eastern Finland
2	UAV- and handheld-hyperspectral imaging for Sphagnum discrimination and vegetation modelling	Franziska Wolff, University of Eastern Finland; Sandra Lorenz, Helmholtz-Zentrum Dresden-Rossendorf; Anette Eltner, Universität Dresden; Pasi Korpelainen, University of Eastern Finland; Timo Kumpula, University of Eastern Finland
3	Hyperspectral UAV imagery adds marginal value to characterizing tundra vegetation	Pauli Putkiranta, University of Helsinki; Aleksi Räsänen, Natural Resources Institute Finland; Rasmus Erlandsson, Stockholm University; Tiina H.M. Kolari, University of Eastern Finland; Pasi Korpelainen, University of Eastern Finland; Yuwen Pang, University of Helsinki; Miguel Villoslada, University of Eastern Finland; Franziska Wolff, University of Eastern Finland; Timo Kumpula, University of Eastern Finland; Tarmo Virtanen, University of Helsinki

4	Time Series Assessment of Anthropogenic Pressures on Natural Vegetation Cover – A Case study of the Zambezi Region	Alfred Colpaert, University of Eastern Finland; Augustine-Moses Gaavwase Gbagir, University of Eastern Finland
5	Input data resolution affects the conservation prioritization outcome	Topi Tanhuanpää, University of Eastern Finland
6	How different reindeer grazing practices effect on land cover and ecosystem carbon exchange in a sub-arctic high-elevation peatland	Timo Kumpula, University of Eastern Finland; Henni Yläne, University of Eastern Finland; Sari Juutinen, Finnish Meteorological Institute; Liang Chen, University of Eastern Finland, Oliver Sonnentag, University of Montreal; Natascha Kljun, Lund University; Pasi Korpelainen, University of Eastern Finland; Frank Berninger, University of Eastern Finland; Miguel Villoslada, University of Eastern Finland.
7	Novel herbivore outbreaks in Northern Finland	Henri Wallen, University of Lapland; Sari Stark, University of Lapland
8	Insights into the synergistic use of Unoccupied Aerial Vehicles and satellite images to model above ground biomass fractions and topsoil moisture in the Arctic	Miguel Villoslada, University of Eastern Finland; Logan Berner, Northern Arizona University; Timo Kumpula, University of Eastern Finland; Sari Juutinen, Finnish Meteorological Institute; Henni Yläne, University of Eastern Finland
9	Boreal tree species classification and standing deadwood detection based on UAS approach	Anton Kuzmin, University of Eastern Finland
10	Application of Random Forest regression for modelling spatial distribution of the active layer thickness in palsas	Mariana Verdonen, University of Eastern Finland; Miguel Villoslada, University of Eastern Finland; Pasi Korpelainen, University of Eastern Finland; Tiina Kolari, University of Eastern Finland; Teemu Tahvanainen, University of Eastern Finland; Timo Kumpula, University of Eastern Finland.

Session No. & Title:	8. Alueiden uudistumisen kapasiteetti kriisien maailmassa / The capacity for regional renewal in a world of crises
Session chair(s) & Affiliation(s)	Heli Kurikka, Tampere University (chair) Jari Kolehmainen, Tampere University (co-chair), Markku Sotarauta, Tampere University (co-chair)

Order	Title of presentation	Author(s) & Affiliation(s)
1	Ilmaa kevyempi paikallinen elinvoima?	Jari Kolehmainen, Tampere University
2	Regional allocation of public expenditure in Finland: Equity or efficiency?	Teemu Makkonen, University of Eastern Finland; Olli Lehtonen, University of Eastern Finland; Tommi Inkinen, University of Turku
3	Perceived regional opportunity spaces and social filters shaping regional development	Heli Kurikka, Tampere University

Session No. & Title:	9 Catchment processes and their interactions
Session chair(s) & Affiliation(s)	Elina Kasvi, University of Turku; Petteri Alho, University of Turku

Order	Title of presentation	Author(s) & Affiliation(s)
1	Assessing the Impact of Halting Hydropower Dam Operations on Downstream Flow Characteristics Using State-of-the-Art Modelling Approach	Amin Sadeqi, University of Turku
2	Near-bed flow characteristics under varying ice covers in a meander bend	Karoliina Lintunen, University of Turku
3	Nature-based solutions for watershed management in human impacted peri-urban watersheds	Aino Saarinen, University of Turku
4	Impact of anthropogenic and climate change on river dynamics - utilizing digital twins and geoinformatics	Asfand Tehseen, University of Turku
5	Knowledge on river-sea interactions and delta processes in the sub-arctic Tana River (Teno) delta for better climate change adaptation	Tua Nylén, University of Helsinki; Mikel Calle, University of Turku; Harri Tolvanen, University of Turku; Tapio Suominen, University of Helsinki
6	Temporal shift of hydroclimatic regime and its influence on migration of a high latitude meandering river	Linnea Blåfield, University of Turku; Hannu Marttila, University of Oulu; Elina Kasvi, University of Turku; Petteri Alho, University of Turku

Session No. & Title:	10. Rural geography in times of the polycrisis – drifting without a direction?
Session chair(s) & Affiliation(s)	Olli Lehtonen, University of Eastern Finland

Order	Title of presentation	Author(s) & Affiliation(s)
1	Co-producing sustainable energy practices in rural North Karelia	Jani Lukkarinen, Finnish Environment Institute
2	The withdrawal of the state: Spatial distribution of central government jobs in Finland in 1987–2021	Simo Rautiainen, University of Eastern Finland
3	Distilling priorities for municipal development via researcher-practitioner collaboration: a map-based survey and future workshop in rural community in Northern Finland	Salla Eilola, University of Eastern Finland; Sirpa Rasmus, University of Lapland; Nora Fagerholm, University of Turku
4	Rural housing markets during COVID-19 – Mapping changes with Etuovi.com dataset	Olli Lehtonen, University of Eastern Finland; Olli Voutilainen, Natural Resources Institute Finland

Session No. & Title:	11 Kestävyyssmurroksen hallinnan maantiede // Geography of Sustainability Transition Governance
Session chair(s) & Affiliation(s)	Petri Kahila, University of Eastern Finland; Juha Halme, University of Eastern Finland

Order	Title of presentation	Author(s) & Affiliation(s)
1	Enabling Sustainable Transitions in European Rural Areas	Petri Kahila, University of Eastern Finland; Juha Halme, University of Eastern Finland
2	Governing "Anomalies": The Challenges of Translating and Governing Multiple Forest Hazards	Uula Saastamoinen, Suomen ympäristökeskus Syke
3	Measuring sustainable urban development in residential areas of the 20 biggest Finnish cities	Sanna Ala-Mantila, University of Helsinki; Antti Kurvinen, University of Helsinki; Aleksi Karhula, University of Helsinki

Session No. & Title:	12 Kartat kriiseissä: kartografia yhteiskuntakritiikkinä ja kansatutkimuksena/ Maps in crises: cartography as social critique and co-research
Session chair(s) & Affiliation(s)	Session chair & main contact Tuomo Alhojärvi, Itä-Suomen yliopisto; Johanna Hohenthal, Helsingin yliopisto

Order	Title of presentation	Author(s) & Affiliation(s)
1	1323 attitude and the regime of ambiguity	Joni Vainikka, University of Helsinki
2	Nuorten geomediataidot ja osaamisen tasot maantieteen opetuksessa	Panu Lammi, Helsingin yliopisto; Virpi Hirvensalo, Helsingin yliopisto; Tua Nylén, Helsingin yliopisto; Laura Hynynen, Helsingin yliopisto; Markus Jylhä, Helsingin yliopisto; Petteri Muukkonen, Helsingin yliopisto
3	Kanssakartoitettu kaupunki: Tilallinen toimeentulo ja kartografia yhteisvaurautena	Tuomo Alhojärvi, Itä-Suomen yliopisto
4	Critical analysis of energy maps for sustainability transition	Johanna Hohenthal, Lappeenranta University of Technology; Jenny Rinkinen, Lappeenranta University of Technology

Session No. & Title:	13 Omistamisen maantieteet/ Geographies of ownership and property
Session chair(s) & Affiliation(s)	Tuomo Alhojärvi, Itä-Suomen yliopisto

Order	Title of presentation	Author(s) & Affiliation(s)
1	Auton omistamisen välttämättömät tilat ja tilanteet suomalaisessa mediakeskustelussa	Juhana Venäläinen, Itä-Suomen yliopisto
2	Metsän omistamisen maantieteet	Ari Lehtinen, Itä-Suomen yliopisto
3	Kuntien omistamien energiayhtiöiden omistajaohjaus energiademokratian ideaalin kautta tulkittuna	Antti Saarelainen, Itä-Suomen yliopisto

Session No. & Title:	14 Stakeholder and policy responses to multidimensional food security challenges in diverse regions
Session chair(s) & Affiliation(s)	Erja Kettunen-Matilainen, University of Turku; Ayu Pratiwi, University of Turku

Order	Title of presentation	Author(s) & Affiliation(s)
1	A billion-euro industry? (De-)territorialisation processes of Norway's seaweed farming assemblage.	Moritz Albrecht, University of Eastern Finland
2	Fighting deforestation: Evaluating agroforestry networks via randomized control trials in Indonesia	Ayu Pratiwi, Turku University; Petr Matous, University of Sydney
3	Potentials and challenges for a zero-loss agriculture in Europe: the case of beef production in North Karelia	Oswald Sydd, University of Eastern Finland
4	EU-Indonesia policy dialogue on palm oil amidst global food security crisis	Erja Kettunen, University of Turku; Ayu Pratiwi, University of Turku

Session No. & Title:	15 Health and well-being in times of crises
Session chair(s) & Affiliation(s)	Maija Toivakka, University of Eastern Finland
Email of session chair:	maija.toivakka@uef.fi

Order	Title of presentation	Author(s) & Affiliation(s)
1	Residential Mobility in Health Geography and its Implications for Spatial Analysis	Eric Delmelle, University of Eastern Finland

2	Spatio-temporal dynamics of the last Finnish Variola epidemic, 1918–19	Antti Härkönen, University of Eastern Finland
3	Relationship between distance to health services and multimorbidity in Kainuu, Finland	Tiina Lankila, University of Oulu Harri Antikainen, University of Oulu
4	Mining geographical patterns of multimorbidity – experiences from Finland	Maija Toivakka, University of Eastern Finland; Olli Lehtonen, University of Eastern Finland; Tiina Laatikainen, University of Eastern Finland; Miika Linna, University of Eastern Finland

Session No. & Title:	16 Kylät ja kylien tutkimus 2000-luvulla – Villages and research on villages in the 2000's
Session chair(s) & Affiliation(s)	Päivi Oinas, Turun yliopisto; Torsti Hyyryläinen, Helsingin yliopisto; Maarit Sireni, Itä-suomen yliopisto

Order	Title of presentation	Author(s) & Affiliation(s)
1	Tulevaisuuskestävät taajamaverkostot	Emilia Rönkkö, Oulun yliopisto
2	Syrjäkylä mobiilina sommittumana	Pertti Rannikko, Itä-Suomen yliopisto
3	Kylät: nukkumalähiöitä vai noodeja globaaleissa verkostoissa?	Päivi Oinas, Turun yliopisto
4	Kylät toimijoina ja kuntien kumppaneina kestävyysmuutoksessa	Torsti Hyyryläinen, Helsingin yliopisto, Annamari Kiviaho, Helsingin yliopisto & Tauno Linkoranta, Varsinais-Suomen kylät ry.
5	Tietoteknologian paikallinen tuleminen, Sivakka ja Rasimäki	Jukka Oksa, Itä-Suomen yliopisto
6	Aineen ja tunteen kylät	Katariina Kotila, Itä-Suomen yliopisto
7	Turvallinen kylä: tila, käytännöt ja tunteet	Maarit Sireni, Itä-Suomen yliopisto; Mari Kattilakoski, Itä-Suomen yliopisto

Session No. & Title:	17. Participatory and Deliberative Spaces of Local Governance
Session chair(s) & Affiliation(s)	James W. Scott, University of Eastern Finland; Matti Fritsch, University of Eastern Finland

Order	Title of presentation	Author(s) & Affiliation(s)
1	EUARENAS- Some general observations	Matti Fritsch, University of Eastern Finland
2	Setting Objectives in Local Governance: A Collective Intelligence Approach to Citizen Participation in Three Nordic Cities	Mikko Rask, University of Helsinki
3	The Ambivalent Roles of Place in Local Democratic Governance Processes	James Scott, University of Eastern Finland
4	Balancing Landscape Values and Tourism Choices: Integrating Participatory Mapping and IPBES Values Analysis.	Liliana Solé, University of Turku; Katri Väänänen, University of Turku; Kyle Hearn, Navarra University; Alex Lechner, Monash University; Nora Fagerholm, University of Turku

5	Relying on LEADER? A place-based policy approach in the rural development of Finnish municipalities	Ella Mustakangas, Tampere Universit
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Session No. & Title:	19. Current challenges and practices in Finnish (urban) planning and development
Session chair(s) & Affiliation(s)	Moritz Albrecht, University of Eastern Finland; Patrik Hämäläinen, City of Joensuu; Jani Karhu, University of Eastern Finland

Order	Title of presentation	Author(s) & Affiliation(s)
1	Smart, sensual, safe, social, and spacious urbanism and the strategy of symmetric city centre: The case of medium-sized city of Joensuu in the periphery	Ilkka Pyy, University of Eastern Finland
2	Joensuun yleiskaavoituksen kehityslinjat 1950-luvulta 2000-luvulle	Jani Karhu, Itä-Suomen Yliopisto
3	Land use planning in times of climate change – examples from Joensuu	Patrik Hämäläinen, City of Joensuu