

TEEMU MAKKONEN**CURRICULUM VITAE (SHORT)****CONTACT DETAILS**

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CURRENT POSITION

12/2019– **Professor**
 Karelian Institute, University of Eastern Finland

WORKING EXPERIENCE

08/2018–11/2019 **Research Director**
 Karelian Institute, University of Eastern Finland

10/2016–07/2018 **Postdoctoral Research Fellow**
 Institute for Advanced Social Research, University of Tampere

10/2014–09/2016 **Research Fellow – Marie Curie Fellowship**
 School of Hospitality and Tourism Management, University of Surrey

01/2014–09/2014 **Assistant Professor**
 Department of Border Region Studies, University of Southern Denmark

01/2013–12/2013 **Postdoctoral Researcher**
 Pan-European Institute, Turku School of Economics at the University of Turku

09/2012–12/2012 **University Teacher** (part-time)
 Pan-European Institute, Turku School of Economics at the University of Turku

07/2009–12/2012 **PhD Student**
 Department of Geosciences and Geography, University of Helsinki

06/2008–06/2009 **Researcher**
 Centre for Maritime Studies, University of Turku

EDUCATION

2019 **Title of Docent**
 Faculty of Social Sciences and Business Studies, University of Eastern Finland
 • Field: Cross-border economic development

2015 **Title of Docent**
 Faculty of Science, University of Helsinki
 • Field: Economic geography

2012 **PhD**
 Faculty of Science, University of Helsinki
 • Main subject: Economic geography

2008 **MSc**
 Faculty of Mathematics and Natural Sciences, University of Turku
 • Main subject: Human geography
 • Secondary subjects: Contemporary history, Economics, and Statistics

MEMBERSHIP IN EDITORIAL BOARDS AND COMMITTEES

2020–	Committee member Karelian Executive Committee of the Fennoscandian Green Belt
2017–	Member of the Editorial Board <i>Bulletin of Geography. Socio-economic Series</i>
2017–	Member of the Editorial Board <i>Management</i>
2016–	Member of the Editorial Board <i>International Journal of Knowledge-Based Development</i>
2016–	Member of the Editorial Board <i>Fennia</i>
2020–2022	Member of the Organising Committee Nordic Geographers Meeting 2022
2010–2012	Committee member Geographical Society of Finland

MAJOR GRANTS

2022	Public financial flows to rural and urban areas (RAVIT) Ministry of Agriculture and Forestry of Finland, 242 500€ (PI)
2021	Smart shrinking in the North Karelian rural areas (ALKUVOIMA) Rural Development Fund, 98 000 € (Project team member)
2021	Smart shrinking in Finland (ÄLY) Prime Minister's Office (Finland), 137 000€ (Project team member)
2020	Effects of subsidized collaboration on spatial innovation capacity (COSPIN) Business Finland, 127 500€ (WP Leader)
2020	Adaptive and innovative countryside (SOMA) Ministry of Agriculture and Forestry of Finland, 123 000€ (PI)
2019	Quality of life measurement and methodology (ESPON QoL) ESPON, 112 000€ (Project team member)
2014	Cross-border regional innovation system integration (CRISI) Marie Curie Fellowship, 221 000 € (Applicant)
2013	A framework model on MNE's impact on global development challenges in emerging markets (MNEmerge) FP7, 212 000 € (Deputy WP Leader)

SELECTED PUBLICATIONS

Cappellano, F., C. Sohn, **T. Makkonen** & V. Kaisto (forthcoming). Bringing borders back into cross-border regional innovation systems: Functions and dynamics. *Environment and Planning A*. DOI: 10.1177/0308518X221073987

Corrente, S., A. Garcia-Bernabeu, S. Greco & **T. Makkonen** (forthcoming). Robust measurement of innovation performances in Europe with a hierarchy of interacting composite indicators. *Economics of Innovation and New Technology*. DOI: 10.1080/10438599.2021.1910815

- Ghinoi, S., B. Steiner & **T. Makkonen** (forthcoming). The role of proximity in stakeholder networks for Smart Specialisation: A Sparsely Populated Area case study. *Innovation: The European Journal of Social Science Research*. DOI: 10.1080/13511610.2021.1879631
- Hanell, T., **T. Makkonen** & D. Rauhut (forthcoming). Guest editorial: Geographies of well-being and quality of life. *Social Indicators Research*. DOI: 10.1007/s11205-022-02966-x
- Makkonen, T.** (forthcoming). Board diversity and firm innovation: A meta-analysis. *European Journal of Innovation Management*. DOI: 10.1108/EJIM-09-2021-0474
- Makkonen, T.** & T. Mitze (forthcoming). The geography of innovation in times of crisis: A comparison of rural and urban RDI patterns during COVID-19. *Geografiska Annaler: Series B, Human Geography*. DOI: 10.1080/04353684.2022.2093252
- Mitze, T. & **T. Makkonen** (forthcoming). Can large-scale RDI funding stimulate post-crisis recovery growth? Evidence for Finland during COVID-19. *Technological Forecasting and Social Change*.
- Aldieri, L., **T. Makkonen** & C.P. Vinci (2022). Do research and development and environmental knowledge spillovers facilitate meeting sustainable development goals for resource efficiency? *Resources Policy* 76: 102603.
- Cappellano, F., **T. Makkonen**, N. Dotti, A. Morisson & A. Rizzo (2022). Where innovation meets directionality: An index to measure regional readiness to deal with societal challenges. *European Planning Studies* 30, 1549–1576.
- Kahila, P., T. Hirvonen, A. Jolkkonen, A. Kurvinen, V. Lemponen, **T. Makkonen**, S. Rautiainen et al. (2022). Mitä on älykäs sopeutuminen? *Valtioneuvoston selvitys- ja tutkimustoiminnan julkaisusarja* 2022:42.
- Leick, B., S. Gretzinger & **T. Makkonen** (eds.) (2022). *The Rural Enterprise Economy*. Routledge, Abingdon.
- Luukkonen, J., M. Weckroth, T. Kemppainen, **T. Makkonen** & H. Sirviö (2022). Urbanisation and the shifting conditions of the state as a territorial-political community: A study of the geographies of political efficacy. *Transactions of the Institute of British Geographers* 47, 409–425.
- Makkonen, T.**, A. Jolkkonen, A. Kurvinen & V. Lemponen (2022). Sopeutuvat innovatiiviset maaseudut. *SPATIA Raportteja* 2022:2.
- Makkonen, T.** & T. Mitze (2022). Can research and development (R&D) funding stimulate recovery growth? *Business Finland Policy Brief* 2022: 1.
- Merisalo, T. & **T. Makkonen** (2022). Bourdieusian e-capital perspective enhancing digital capital discussion in the realm of third level digital divide. *Information Technology & People* 35, 231–252.
- Mou, N., Z. Liu, Y. Zheng, **T. Makkonen**, T. Yang & L. Zhang (2022). Cycling in Tibet: An analysis of tourists' spatiotemporal behavior and infrastructure. *Tourism Management* 88: 104418.
- Rodríguez, I., A. Mantecón, A.M. Williams, **T. Makkonen** & Y.R. Kim (2022). Originality: The holy grail of tourism research. *Journal of Travel Research* 61, 1219–1232.
- Saarinen, E. & **T. Makkonen** (2022). Entrepreneurship in rural areas: Locational choices and embeddedness. In: Leick, B., S. Gretzinger & T. Makkonen (eds.), *The Rural Enterprise Economy*, 162–177. Routledge, Abingdon.
- Aldieri, L., **T. Makkonen** & C.P. Vinci (2021). Spoils of innovation? Employment effects of R&D and knowledge spillovers in Finland. *Economics of Innovation and New Technology* 30, 356–370.

- Ghinoi, S., B. Steiner, **T. Makkonen** & R. Hassink (2021). Smart specialization strategies in the periphery: A data triangulation approach to governance issues and practices. *Regional Studies* 55, 402–413.
- Korhonen, J., A. Koskivaara, **T. Makkonen**, N. Yakusheva & A. Malkamäki (2021). Resilient cross-border regional innovation systems for sustainability? A systematic review of drivers and constraints. *Innovation: The European Journal of Social Science Research* 34, 202–221.
- Makkonen, T.** & T. Inkinen (2021). Systems of environmental innovation: Sectoral and technological perspectives on ballast water treatment systems. *WMU Journal of Maritime Affairs* 20, 81–98.
- Makkonen, T.** & P. Kahila (2021). Vitality policy as a tool for rural development in peripheral Finland. *Growth and Change* 52, 706–726.
- Sotarauta, M., **T. Makkonen**, S. Moisio & H. Kurikka (2021). Suomen aluekehityksen skenaariot 2040. *Työ- ja elinkeinoministeriön julkaisuja* 2021: 60.
- Weidenfeld, A., **T. Makkonen** & N. Clifton (2021). From interregional knowledge networks to systems. *Technological Forecasting and Social Change* 171: 120904.
- Zheng, Y., N. Mou, L. Zhang, **T. Makkonen** & T. Yang (2021). Chinese tourists in Nordic countries: An analysis of spatio-temporal behavior using geo-located travel blog data. *Computers, Environment and Urban Systems* 85: 101561.
- Aldieri, L., **T. Makkonen** & C.P. Vinci (2020). Environmental knowledge spillovers and productivity: A patent analysis for large international firms in the energy, water and land resources fields. *Resources Policy* 69: 101877.
- Cappellano, F. & **T. Makkonen** (2020). Cross-border regional innovation ecosystems: The role of non-profit organizations in cross-border cooperation at the US–Mexico border. *GeoJournal* 85, 1515–1528.
- Cappellano, F. & **T. Makkonen** (2020). The proximity puzzle in cross-border regions. *Planning Practice & Research* 35, 283–301.
- Hjaltadóttir, R.E., **T. Makkonen** & T. Mitze (2020). Inter-regional innovation cooperation and structural heterogeneity: Does being a rural, or border region, or both, make a difference? *Journal of Rural Studies* 74, 257–270.
- Makkonen, T.**, Gretzinger, S., R.E. Hjaltadóttir, Lorentzen, A. & Shearmur, R. (2020). Guest editorial: Innovation in peripheries and borderlands. *Journal of Rural Studies* 78, 531–533.
- Makkonen, T.** & P. Kahila (2020). Vitality policy as a tool to attract in-migration to rural regions. *Siirtolaisuus – Migration* 46(1), 11–14.
- Makkonen, T.** & B. Leick (2020). Locational challenges and opportunities for SMEs in border regions. *European Planning Studies* 28, 2078–2098.
- Mitze, T. & **T. Makkonen** (2020). When interaction matters: The contingent effects of spatial knowledge spillovers and internal R&I on firm productivity. *Journal of Technology Transfer* 45, 1088–1120.
- Mou, N., R. Yuan, T. Yang, H. Zhang, J. Tang & **T. Makkonen** (2020). Exploring spatio-temporal changes of city inbound tourism flow: The case of Shanghai, China. *Tourism Management*. 76: 103955.
- Mou, N., Y. Zheng, **T. Makkonen**, T. Yang, J. Tang & Y. Song (2020). Tourists' digital footprint: The spatial patterns of tourist flows in Qingdao, China. *Tourism Management* 81: 104151.
- Rho, S., M. Lee & **T. Makkonen** (2020). The role of open innovation platforms in facilitating user-driven innovation in innovation ecosystems. *International Journal of Knowledge-Based Development* 11, 288–304.

- Williams, A.M., I. Rodríguez & **T. Makkonen** (2020). Innovation and smart destinations: Critical insights. *Annals of Tourism Research* 83: 102930.
- Makkonen, T.** & T. Mitze (2019). Deconstructing the education-innovation-development nexus in the EU-28 using panel causality and poolability tests. *Journal of the Knowledge Economy* 10, 516–549.
- Makkonen, T.**, A. Jolkkonen, P. Kahila, V. Lemponen & P. Forsberg (2019). Puhtia Pohjois-Karjalaan: Kuntien elinvoimaiselvitys. *SPATIA Raportteja* 2019:1.
- Rodríguez, I., **T. Makkonen** & A.M. Williams (2019). Originality peer review assessment in tourism journals: Critical perspective of key gatekeepers. *Annals of Tourism Research* 77, 1–11.
- Tang, J., A.M. Williams, **T. Makkonen** & J. Jiang (2019). Are different types of inter-firm linkages conducive to different types of tourism innovation? *International Journal of Tourism Research* 21, 901–913.
- Inkinen, T., M. Merisalo & **T. Makkonen** (2018). Variations in the adoption of and willingness to use e-services in three differentiated urban areas. *European Planning Studies* 26, 950–968.
- Makkonen, T.**, T.J. Hokkanen, T. Morozova & M. Suharev (2018). A social network analysis of cooperation in forest, mining and tourism industries in the Finnish–Russian cross-border region: Connectivity, hubs and robustness. *Eurasian Geography and Economics* 59, 685–707.
- Makkonen, T.** & T. Inkinen (2018). Sectoral and technological systems of environmental innovation: The case of marine scrubber systems. *Journal of Cleaner Production* 200, 110–121.
- Makkonen, T.**, M. Merisalo & T. Inkinen (2018). Containers, facilitators, innovators? The role of cities and city employees in innovation activities. *European Urban and Regional Studies* 25, 106–118.
- Makkonen, T.** & A.M. Williams (2018). Developing survey metrics for analysing cross-border proximity. *Geografisk Tidsskrift – Danish Journal of Geography* 118, 114–121.
- Makkonen, T.**, A.M. Williams & A. Habersetzer (2018). Foreign board members and firm innovativeness: An exploratory analysis for setting a research agenda. *Corporate Governance* 18, 1057–1073.
- Makkonen, T.**, A.M. Williams, T. Mitze & A. Weidenfeld (2018). Science and technology cooperation in cross-border regions: A proximity approach with evidence for Northern Europe. *European Planning Studies* 26, 1961–1979.
- Makkonen, T.**, A.M. Williams, A. Weidenfeld & V. Kaisto (2018). Cross-border knowledge transfer and innovation in the European neighbourhood: Tourism cooperation at the Finnish-Russian border. *Tourism Management* 68, 140–151.
- Hjaltadóttir, R.E., **T. Makkonen** & N.K. Sørensen (2017). Cross-border innovation cooperation: Partner selection, national borders and knowledge bases. In Karlsson, C., M. Andersson & L. Bjerke (eds.): *Geographies of Growth: Innovations, Networks and Collaborations*, 330–353. Edward Elgar, Cheltenham.
- Makkonen, T.** (2017). North from here: The collaboration networks of Finnish metal music genre superstars. *Creative Industries Journal* 10, 104–118.
- Makkonen, T.**, A. Weidenfeld & A.M. Williams (2017). Cross-border regional innovation system integration: An analytical framework. *Tijdschrift voor Economische en Sociale Geografie* 108, 805–820.
- Muller, E., A. Zenker, M. Hufnagl, J.-A. Héraud, E. Schnabl, **T. Makkonen** & H. Kroll (2017). Smart specialisation strategies and cross-border integration of regional innovation systems: Policy dynamics and challenges for the Upper Rhine. *Environment and Planning C* 35, 684–702.

- Makkonen, T.** (2016). Cross-border shopping and tourism marketing: The case of Southern Jutland, Denmark. *Scandinavian Journal of Hospitality and Tourism* 16, S36–S50.
- Makkonen, T.** (2016). Measuring cross-border regional integration with composite indicators: The Oresund integration index. In Jeremic, V., Z. Radojicic & M. Dobrota (eds.): *Emerging Trends in the Development and Application of Composite Indicators*, 1–19. IGI Global, Hershey.
- Makkonen, T. & T. Mitze** (2016). Scientific collaboration between 'old' and 'new' member states: Did joining the European Union make a difference? *Scientometrics* 106, 1193–1215.
- Makkonen, T. & S. Repka** (2016). The innovation inducement impact of environmental regulations on maritime transport: A literature review. *International Journal of Innovation and Sustainable Development* 10, 69–86.
- Makkonen, T. & S. Rohde** (2016). Cross-border regional innovation systems: Conceptual backgrounds, empirical evidence and policy implications. *European Planning Studies* 24, 1623–1642.
- Makkonen, T. & A. Weidenfeld** (2016). Knowledge-based urban development of cross-border twin cities. *International Journal of Knowledge-Based Development* 7, 389–406.
- Makkonen, T. & A.M. Williams** (2016). Border region studies: The structure of an 'offbeat' field of regional studies. *Regional Studies, Regional Science* 3, 693–705.
- Makkonen, T.** (2015). National innovation system capabilities among leader and follower countries: Widening gaps or global convergence? *Innovation and Development* 5, 113–129.
- Makkonen, T.** (2015). Northern comfort: Geographical scale, locality and the evolution of networks in the Finnish metal music genre. *Area* 47, 334–340.
- Makkonen, T.** (2015). Scientific collaboration in the Danish–German border region of Southern Jutland–Schleswig. *Geografisk Tidsskrift – Danish Journal of Geography* 115, 27–38.
- Makkonen, T. & T. Inkinen** (2015). Geographical and temporal variation of regional development and innovation in Finland. *Fennia – International Journal of Geography* 193, 134–147.
- Yigitcanlar, T., T. Inkinen & **T. Makkonen** (2015). Does size matter? Knowledge-based development of second-order city-regions in Finland. *disP – The Planning Review* 51(3), 62–77.
- Makkonen, T.** (2014). National innovation system dynamics in East Central Europe, the Baltic Countries and Russia. In Zhuplev, A. & K. Liuhto (eds.): *Geo-Regional Competitiveness in Central and Eastern Europe, the Baltic Countries, and Russia*, 32–56. IGI Global, Hershey.
- Makkonen, T.** (2014). Tales from the thousand lakes: Placing the creative network of metal music in Finland. *Environment and Planning A* 46, 1586–1600.
- Makkonen, T. & T. Inkinen** (2014). Innovation quality in knowledge cities: Empirical evidence of innovation award competitions in Finland. *Expert Systems with Applications* 41, 5597–5604.
- Makkonen, T. & T. Inkinen** (2014). Spatial scaling of regional strategic programmes in Finland: A qualitative study of clusters and innovation systems. *Norsk Geografisk Tidsskrift – Norwegian Journal of Geography* 68, 216–227.
- Makkonen, T.** (2013). Government science and technology budgets in times of crises. *Research Policy* 42, 817–822.
- Makkonen, T.** (2013). Huomioita innovaatiotutkimuksesta suomenkielisissä yhteiskuntatieteellisissä sarjajulkaisuissa. *Terra – Geographical Journal* 125, 151–156.

- Makkonen, T.** & T.J. Hokkanen (2013). ICT innovation and local economy: Mobile game as a tourist attraction. *Scandinavian Journal of Hospitality and Tourism* 13, 257–268.
- Makkonen, T.** & T. Inkinen (2013). Innovative capacity, educational attainment and economic development in the European Union: Causal relations and geographical variations. *European Planning Studies* 21, 1958–1976.
- Makkonen, T.,** T. Inkinen & J. Saarni (2013). Innovation types in the Finnish maritime cluster. *WMU Journal of Maritime Affairs* 12, 1–15.
- Makkonen, T.,** M. Salonen & S. Kajander (2013). Island accessibility challenges: Rural transport in the Finnish archipelago. *European Journal of Transport and Infrastructure Research* 13, 274–290.
- Makkonen, T.** & A. Saurama (2013). Business intelligence and the role of external information in small- and medium-sized enterprises of the Finnish marine industry. *International Journal of Innovation and Regional Development* 5, 266–278.
- Makkonen, T.** & R.P. van der Have (2013). Benchmarking regional innovation performance: Composite measures and direct innovation counts. *Scientometrics* 94, 247–262.
- Merisalo, M., **T. Makkonen** & T. Inkinen (2013). Knowledge-intensive and creative teleworkers' relation to e-capital in the Helsinki Metropolitan Area. *International Journal of Knowledge-Based Development* 4, 204–221.
- Makkonen, T.** (2012). Geography of innovation in Europe and Finland: Empirical studies on innovation indicators and regional development. *Department of Geosciences and Geography A 20. (academic dissertation)*
- Makkonen, T.** (2012). Peripheral university region and knowledge-based development: The case of Joensuu. *International Journal of Knowledge-Based Development* 3, 216–233.
- Makkonen, T.** & B. Lin (2012). Continuing vocational training and innovation in Europe. *International Journal of Innovation and Learning* 11, 325–338.
- Paarlahti, A., **T. Makkonen,** T. Kaivola & J. Taina (2012). Interaktiiviset älytaulut maantieteen opetuksessa. *Terra – Geographical Journal* 124, 265–270.
- Makkonen, T.** (2011). Innovation and regional socio-economic development: Evidence from the Finnish local administrative units. *Bulletin of Geography. Socio-economic Series* 15, 27–42.
- Kalli J., T. Karvonen & **T. Makkonen** (2009). Sulphur content in ships bunker fuel in 2015: A study on the impacts of the new IMO regulations on transportation costs. *Publications of the Ministry of Transport and Communications* 2009: 31.
- Karvonen, T. & **T. Makkonen** (2009). Aluskustannukset 2009. *Merenkulkulaitoksen julkaisuja* 2009: 3.
- Kajander, S., M. Huovinen, A. Keltaniemi & **T. Makkonen** (2008). Saariston yhteysalusliikenteen mallintaminen. *Turun yliopiston Merenkulkualan koulutus- ja tutkimuskeskuksen julkaisuja* B 152.
- Makkonen, T.** & T.J. Hokkanen (2009). Nature protection and tourism support balanced development in the Green Belt of Fennoscandia. *Transactions of the Karelian Research Centre of Russian Academy of Sciences* 2009:2, 115–125.
- Makkonen, T.,** A. Saurama & P. Sundberg (2008). Ulkoisen liiketoimintatiedon hallinta ja kehittämistarpeet suomalaisissa pienissä ja keskisuurissa meriteollisuusalan yrityksissä. *Turun yliopiston Merenkulkualan koulutus- ja tutkimuskeskuksen julkaisuja* B 160.
- Hokkanen, T.J., R. Heikkilä, **T. Makkonen,** B. Kashevarov, R. Nykänen & E. Ieshko (2007). The emergence of new approaches in east-west relations: Combining nature protection and local

development along the Green Belt of Fennoscandia. In Lähteenmäki, M. (ed.): *The Flexible Frontier: Change and Continuity in Finnish-Russian Relations*, 206–230. Kikimora Publications, Helsinki.