

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

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22.2.2022

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

MAJOR GRANTS

- 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., **T. Makkonen**, N. Dotti, A. Morisson & A. Rizzo (forthcoming). Where innovation meets directionality: An index to measure regional readiness to deal with societal challenges. *European Planning Studies*. DOI: 10.1080/09654313.2021.1976114
- 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
- Luukkonen, J., M. Weckroth, T. Kemppainen, **T. Makkonen** & H. Sirviö (forthcoming). 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*. DOI: 10.1111/tran.12503
- Makkonen, T.** (forthcoming). Board diversity and firm innovation: A meta-analysis. *European Journal of Innovation Management*. DOI: 10.1108/EJIM-09-2021-0474
- Rodríguez, I., A. Mantecón, A.M. Williams, **T. Makkonen** & Y.R. Kim (forthcoming). Originality: The holy grail of tourism research. *Journal of Travel Research*. DOI: 10.1177/00472875211033343
- 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.
- Leick, B., S. Gretzinger & **T. Makkonen** (eds.) (2022). *The Rural Enterprise Economy*. Routledge, Abingdon.
- Makkonen, T.** & T. Mitze (2022). Can research and development (R&D) funding stimulate recovery growth? *Business Finland Policy Brief 2022*: 1.
- 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.
- 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 elinvoimaselvitys. *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. *Merenkululaitoksen 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 Lähtenmäki, M. (ed.): *The Flexible Frontier: Change and Continuity in Finnish-Russian Relations*, 206–230. Kikumora Publications, Helsinki.