

Full academic CV

PERSONAL INFORMATION

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Publons (reviews): <https://publons.com/a/1384603/>
Sciometrics: WoS – h-index=13, number of citations (incl. self citations) = 510
Scopus – h-index=16, number of citations (incl. self citations) = 645
Google Scholar – h-index=21, number of citations (incl. self citations) = 1231



EDUCATION

2021 **Doc.** (habilitation – academic title “docent” – **assoc. prof.**), Regional and Social Development, Faculty of Economics and Management, Czech University of Life Sciences Prague, Czech Republic
Thesis: Perception, Preferences and Participatory Mapping of Public Space in Community Development: Case study on Emotional Maps
2010–2015 **Ph.D.**, Geography-International Development Studies, Faculty of Science, Palacký University Olomouc, Czech Republic
Thesis: Participatory research techniques for community projects: methods of selection and collection of spatial data
11-12/2013 National Institute of Rural Development, Ministry of Rural Development, Government of India - International Programme on Geo-informatics applications in Rural Development for Sharing Innovative GIS in Rural Development. (6 weeks)
2007–2010 **M.Sc. (Mgr.)**, Geoinformatics, Faculty of Science, Palacký University Olomouc, Czech Republic
Thesis: Multimedia Guidebook of Javorice Karst
2004–2007 **B.Sc. (Bc.)**, Geography–Geoinformatics, Faculty of Science, Palacký University Olomouc, Czech Republic
Thesis: Virtual Project of Microregion Hranicko

ACADEMIC EXPERIENCE

09/2023 – 10/2026 **researcher/team member** at Young people as actors in the future development of towns and cities (funded by The Technology Agency of the Czech Republic – TAČR)
09/2023 – 08/2026 **researcher/team member** Shaping innovations in education for sustainable development: contextualizing geosciences, new technologies, and serious games with climate change (funded by ERASMUS+ strategic partnership project)
01/2022 – 12/2024 **researcher/team member** at Geographies of development aid at subnational level in transition countries of Eastern and South-eastern Europe (funded by the Czech Science Foundation – GAČR)
10/2021 – 03/2022 **Fulbright-Masaryk Visiting scholar** at Centre for Geospatial Analytics, North Carolina State University
09/2020 – 08/2023 **researcher/team member** at Erasmus+ Jean Monnet Module “Impact of European Union Policies on GeoSciences (EUGeo)” managed by Department of Geoinformatics, UPOL.
09/2020 – 08/2023 **principal investigator** at EduChange 2.0 (ERASMUS+ strategic partnership project, full title „Promoting active citizenship through innovative geoparticipatory methods to tackle wicked-environmental problems“)
09/2019 – 12/2022 **researcher/team member** at Spationomy 2.0 (ERASMUS+ strategic partnership project, full title “Spatial and economic science in higher education – addressing the playful potential of simulation games”, managed by the Moravian University College Olomouc)
02/2019 – 12/2022 **researcher/team member** at the CzechGlobe – Global Change Research Institute of the Czech Academy of Sciences (GCRI) (project “Landscape cultural ecosystem services assessment and mapping”, funded by The Technology Agency of the Czech Republic – TAČR)
01/2019 – 12/2022 **principal investigator** at Geoparticipatory spatial tools in the decision-making processes of local administrations (funded by the Czech Science Foundation – GAČR)
01/2019 – 12/2020 **researcher/team member** at the Department of Geography, Palacky University Olomouc (project “Innovation of crime prevention in cities of Olomouc region based on mapping of localities of crime fear”, funded by The Technology Agency of the Czech Republic – TAČR)

- 01/2018 – 12/2019 **researcher/team member** at the Institute of Geoinformatics, Technical University of Ostrava (project “Effective Methods of Identification, Assessment and Monitoring of Safety Risk Areas Using Spatial Micro-data”, funded by The Technology Agency of the Czech Republic – TAČR)
- 09/2017 – 11/2020 **principal investigator** at EduChange (ERASMUS+ strategic partnership project, full title “Making knowledge together - addressing climate change through innovative place based education and blended learning”)
- 09 – 12/2017 **Ruth Crawford Mitchell Czech/Slovak Fellow** at Urban Studies Program, University of Pittsburgh.
- 01/2017–12/2018 **researcher/team member** at GEO GO (project managed by NTNU Trondheim and granted by “Norgesuniversitetet” Norway)
- 09/2016–08/2019 **researcher/team member** at Spationomy (ERASMUS+ strategic partnership project, managed by the Moravian University College Olomouc)
- 2015 (01-12) **principal investigator** – Internal Grant Agency of Palacký University Olomouc, Emotional and mental maps in environmental health impact assessment.
principal investigator – Czech Development Agency, European Year of Development.
- 01/2014–now **lecturer** at Palacký University Olomouc (from 01/2016 **assistant professor**, from 04/2021 **associated professor**)
Research: GeoParticipation, Emotional Maps, community mapping, playful mapping, GeoGames, GIS and Society, DIY mapping, Balloon and Kite mapping.
Courses:
Bachelor’s Thesis Tutorial (since 2010)
Master's Thesis Tutorial (since 2010)
Introduction to GIS in development (since 2010)
Advanced GIS in development (since 2011)
Participatory mapping and GIS (since 2012)
Sport and Development (2012-2018)
Introduction to Development studies and research (2015-2019)
Introduction to Geoinformatics and GIS for environmental studies (2015-2020)
Use of GIS for environmental studies (2015-2020)
Computer Skills and Data Processing (2017- 2019)
GIS in Environmental Research and Development (since 2018)
Principles of Scientific Work (since 2019)
Impact of European Union Policies on GeoSciences (since 2021)
Community Development and Participation (since 2021)
- 09/2014–08/2017 **site project leader** at Palacký University for: Field-based learning: multidisciplinary mobile mapping methods (ERASMUS+ strategic partnership project, managed by the University of Manchester)
- 2014 (01-12) **principal investigator** – Fund for Development of Palacký University Olomouc, Innovation of Participatory mapping and GIS course.
principal investigator – Czech Development Agency, Development in 2015.
principal investigator – Jan Hus Educational Foundation, scholarship – GeoParticipation.
external lecturer at CARITAS – College of Social Work Olomouc
Courses: GIS and map making in QGIS
- 01/2012–12/2013 **researcher/team member** – Innovation of Sport and Development course, funded by Fund for Universities’ Development (FRVŠ)
- 01/2012–12/2014 **researcher** – The Cooperation Network for Research of the Non-European Areas
- 01/2011–12/2013 **principal investigator** – Czech Development Agency, Atlas of Czech Development Cooperation.

OTHER WORK EXPERIENCE

- 10/2014–now **co-founder** at start-up participatory mapping platform PocitoveMapy.cz // EmotionalMaps.eu. Since 2014 we have created over 200 emotional mapping workshops/projects in Czech Republic, Slovakia, Iceland, Norway, United Kingdom, South Korea, Germany, Scotland, Spain, United States, Serbia, etc.
- 01/2011–12/2013 **external accreditator** for EVS programme, Czech National Agency for Youth in Action.
Activities: My task was to review and award accreditation for NGOs willing to take part in European Youth in Action Programme (my specialisation was on European Voluntary Service)
- 03/2011–now **co-founder** and editor at GISportal.cz, non-profit web magazine about GIS.
- 09/2010–now **freelancer** in GIS/Cartography jobs
- 01/2010–12/2012 **tutor**, Global Education Network of Young Europeans (GLEN)
Activities: The main task is to facilitate the learning process and the preparation of the participants of the GLEN cycle (2x 1 year cycle).
- 2009 (07-10) **GLEN internship**, Makadra United Youth Group, Nairobi, Kenya. (4 months)
Activities: Slum mapping, teaching in local school, environmental education.

09/2008–06/2009 **European voluntary service (EVS)** – International Sport and Culture Association, Copenhagen, Denmark. (10 months)

Activities: Project management, conferences and trainings organisation.

09/2007–12/2016 **vicechair and co-founder** at NGO Bud' Geo...

Activities: Bud Geo... was non-profit and non-governmental organization based in Olomouc, the Czech Republic. We organized students' geocaching competition "GeoKacer", seminars for high-school teacher on "How to use digital maps and GIS in order to improve their lessons.", organized GIS Day in Olomouc and other geography related events for general public.

EXPERIENCE ABROAD

01/2025 University Centre of the Westfjords, Iceland (2 weeks teaching)
10/2024 International field-course, University of Malta (1 week teaching)
10/2024 Czech Development Agency, Zambia (1 week consultation)
06/2024 Czech Development Agency, Zambia (2 weeks consultation)
05/2024 Norwegian University of Science and Technology, Norway (1 week teaching)
02/2024 University Centre of the Westfjords, Iceland (2 weeks teaching)
11/2023 Norwegian University of Science and Technology, Norway (1 week teaching)
09/2023 University of Iceland, Iceland (1 week research)
05/2023 University of Pretoria, South Africa (1 week teaching)
02/2023 International field-course, University of Malta (1 week teaching)
01-02/2023 University Centre of the Westfjords, Iceland (3 weeks teaching)
08/2022 International field-course, University of Iceland, Iceland (1 week teaching)
10/2021-03/2022 North Carolina State University, USA (6 months research)
02/2020 International field-course, Utrecht University (1 week teaching)
01/2020 Université des Antilles, France (1 week teaching)
10/2019 University of Johannesburg, South Africa (1 week teaching)
05/2019 Ruhr University Bochum, Germany (1 week teaching)
05/2019 Norwegian University of Science and Technology, Norway (1 week teaching)
02/2019 International field-course, University of Malta (1 week teaching)
11/2018 University of Maribor, Slovenia (1 week teaching)
05/2018 Norwegian University of Science and Technology, Norway (1 week teaching)
04/2018 Utrecht University (1 week teaching)
09-12/2017 University of Pittsburgh, USA (3,5 months research)
06/2017 University of Maribor, Slovenia (1 week teaching)
05/2017 International field-course, Gozo, Malta (10 days teaching)
04/2017 University of South Africa, South Africa (1 week research)
03/2017 University of Johannesburg, South Africa (1 week teaching)
02/2017 Ruhr University Bochum, Germany (1 week teaching)
08/2016 Norwegian University of Science and Technology, Norway (1 week research)
05/2016 International field-course, Gozo, Malta (10 days teaching)
04/2016 University of Manchester, UK (1 week teaching)
01/2016 Norwegian University of Science and Technology, Norway (1 week research)
06/2015 University of Iceland, Iceland (3 weeks research)
05/2015 Norwegian University of Science and Technology, Norway (3 weeks research)
04/2015 International field-course, Gozo, Malta (10 days teaching)
03/2015 Université des Antilles, France (1 week teaching)
11–12/2013 National Institute of Rural Development, India (6 weeks studies)
10/2013 University of Belgrade, Serbia (1 week teaching)
08–10/2012 University of South Africa, South Africa (2 months research)
10/2011 University of South Africa, South Africa (3 weeks research)
07–10/2009 Makadara United Youth Group, Kenya (4 months voluntary service)
09/2008–06/2009 International Sport and Culture Association, Denmark (10 months voluntary service)

HONORS & AWARDS

05/2024	Best Map of 2023 Award by Journal of Maps (finalist)
12/2023	Dean's award at the Faculty Science of Palacký University for excellent research (paper co-author)
05/2023	Best Map of 2022 Award by Journal of Maps (finalist)
12/2022	Dean's award at the Faculty Science of Palacký University for excellent research (book editor)
11/2022	Rector's Honorary Recognition to Authors of Research Books (book editor)
05/2022	Best Map of 2021 Award by Journal of Maps (finalist)
04/2022	Best project of the year award by the Czech National Agency for International Education and Research in category Sustainability (project PI - EduChange)
12/2021	2021 Best Paper Awards from Building and Environment (paper corresponding author)
12/2021	Dean's award at the Faculty Science of Palacký University for excellent research (book co-author)
12/2021	Dean's award at the Faculty Science of Palacký University for excellent research (paper corresponding author)
04/2021	Fulbright-Masaryk Fellowship at North Carolina State University (USA)
12/2020	Dean's award at the Faculty Science of Palacký University for excellent research (paper main author)
12/2019	Best Map of 2019 Award by Journal of Maps (winner)
5/2018	Outstanding ¹ reviewer (Cities)
12/2017	Dean's award at the Faculty Science of Palacký University for excellent research (paper main author)
5/2017	Outstanding ¹ reviewer (Applied Geography)
5/2017	Ruth Crawford Mitchell Fellowship for Czech/Slovak Scholars at University of Pittsburgh (USA)
3/2017	International Cartographic Association Research Scholarship
1/2015	International Cartographic Association Research Scholarship
12/2014	Students' activity grant at Faculty of Science, Palacký University Olomouc
10/2014	International Conference on Crisis Mapping Fellowship
11/2013	Jan Hus Educational Foundation Scholarship
11/2013	Indian Technical and Economic Cooperation Scholarship at the National Institute of Rural Development Hyderabad (India)
5/2013	Forum of Young Geoinformaticans (highly reviewed paper)
5/2007	Student Geoscience Conference and Scientific Meeting GISáček (4 th place)
4/2007	Student GIS Project (2 nd place)

ORGANISATIONS MEMBERSHIP

American Association of Geographers (member since 2020)

International Society for Participatory Mapping (member since 2018)

Czech Association for Geoinformatics (member since 2013)

Czech Cartography Society (member since 2013)

Czech Geographic Society (member since 2013, since 2016-now scientific secretary of local (Olomouc) branch)

PROFESSIONAL SERVICE

2024	chair of the Participatory mapping working group under the International Cartographic Association (ICA) external reviewer for Swiss National Science Foundation
2023 – now	head of the examination committee for State exams in Development and Environmental at UPOL program director (programme guarantor) for BSc program Environmental Studies and Sustainable Development at UPOL
2023	7 th International Conference 'Urban e-Planning', session chair 18 th International Conference on Computational Urban Planning and Urban Management (CUPUM) in Montreal, session chair
2022 – now	cartographic editor at Journal of Maps (https://www.tandfonline.com/journals/tjom20) head of the examination committee for State exams in Development Studies and Foresight – specialisation Global Development policy at UPOL
2022	member of the scientific-educational Board of the study field Earth Sciences at UPOL external PhD thesis reviewer at Swiss Federal Institute of Technology Lausanne, Switzerland External MSc thesis reviewer at the University Centre of the Westfjords, Iceland

¹ I was within the top 10th percentile of reviewers for the journal, in terms of the number of manuscript reviews completed in the last two years.

external reviewer for National Science Center, Poland
member of the habilitation committee for dr. Michal Lehnert at the Faculty of AgriSciences, Mendel University in Brno, Czech Republic
 6th International Conference 'Urban e-Planning', **session chair**
academic tutor for Masaryk Diplomatic Programme organised by the Embassy of the Czech Republic in Washington D.C., USA
external reviewer for Fulbright Commission Czech Republic
 2021 – now **external PhD thesis consultant** at the Department of applied geoinformatics and cartography, Charles University Prague
 2021 5th International Conference 'Urban e-Planning', **session chair**
external reviewer for Science Fund of the Republic of Serbia
member of the examination committee for State exams in Environmental and Development Studies programme (Ph.D.) at UPOL
Guest Editor at a special issue of ISPRS International Journal of Geo-Information "GIS for Spatial/Political Participation in the Decision Making Processes of Local Administrations".
Member of the Commission for the Development of Structurally Disadvantaged Areas of Olomouc Region (in Czech: člen Komise pro rozvoj strukturálně znevýhodněných oblastí Olomouckého kraje)
external PhD thesis consultant at Department of Geography, Norwegian University of Science and Technology, Norway
 2020 **external PhD thesis reviewer** at Centre for Regional and Rural Futures and School of Life and Environmental Sciences, Faculty of Science, Engineering and Built Environment, Deakin University, Australia
 2019–now **member of the editorial board** at Italian Journal of Planning Practice (ISSN: 2239-267X), <http://www.ijpp.it/index.php/it/index>
external consultant for the Czech Development Agency in the area of using GIS in developing countries (2019 – 2021 Moldova, 2024 – now Zambia)
 2019 4th International Conference 'Urban e-Planning', **session chair**
 2nd International Society of Participatory Mapping conference, **session chair**
 2018 **external reviewer** for The National Research Foundation of South Africa.
 3rd International Conference 'Urban e-Planning', **session chair**
 2017 28th International Cartographic Conference, **session chair**: “thematic cartography and cognition”
 2016–now **local co-organiser** of humanitarian mapathons – Missing Maps project from Doctors without Borders (MsF)
member of the examination committee for State exams in Environmental Studies and Sustainable Development programme (B.Sc.) at UPOL
member of the editorial board at Development, Environment and Foresight (ISSN: 2336-6613), DEF journal published by Palacký University Olomouc (UP). <http://def-journal.eu/>
 2016 Conference GIS in planning of cities and regions, **member of planning committee**
 International Journal of E-Planning Research 2016 Annual Conference, **panel co-chair** “Critical Approaches and Methods in Urban e-Planning”
 2015–2020 **managing and technical editor** at Development, Environment and Foresight (ISSN: 2336-6613), DEF journal published by Palacký University Olomouc (UP). <http://def-journal.eu/>
 2015–now **member of the examination committee** for State exams in International Development Studies programme (B.Sc. and M.Sc.) at UPOL
external examiner for internal granting agencies (Charles University Prague, Technical University Liberec, Palacký University Olomouc)
 2015 27th International Cartographic Conference, **session chair**: “Semiotics, map perception, cognition and knowledge 4”
 2014–now **external advisor** in the area of participatory mapping and emotional maps for the Healthy Cities of the Czech Republic Network (<http://healthycities.cz/>)
 2014 6th Annual Conference of Crisis Mappers, **session chair**: “Selecting Effective Participatory Mapping Platforms”
 23rd National Geographic Conference, **session chair**: “Application of geographic data in decision making process”
 Conference Geoinformatics in public administration, **member of planning committee, session chair**: “Participatory mapping”
 Humanitarian **OSM mapper** for South Sudan (2 months distance mapping). I was one of the GISCorps volunteers mapping via HOT Tasking Manager area of South Sudan, Upper Nile State, Malakal.
 2013–2016 **columnist** in People in Need (NGO) bulletin about GIS/Maps and Development.
 2013–2018 **main organiser** of “Mapping, GIS and Developing countries” annual conference (2013, 2014, 2015, 2016, 2018).
peer reviewer – for full list of my reviews, please check Publons at <https://publons.com/a/1384603/>

2011-now **member of the selection committee** for bachelor program and master programme in International Development Studies, Palacký University Olomouc, Czech Republic
 2011, 2016, Student competition GISáček, **committee member**.
 2019, 2021

SELECTED CONFERENCES WITH ACTIVE PARTICIPATION (PRESENTED PAPERS, TALKS, POSTERS, etc.)

2024, Vienna EuroCarto 2024
 2024, Ústí nad Labem (CZ) 26th National Congress of Czech Geographic Society
 2024, Hawaii (online) AAG Annual Meeting
 2023, Pilsen (CZ) 25th National Cartographic Conference
 2023, Montreal 18th International Conference on Computational Urban Planning and Urban Management
 2023, Lisbon (online) 7th International Conference 'Urban e-Planning'
 2022, Ostrava (CZ) Innovative approaches in the development of towns, cities and regions
 2022, Olomouc (CZ) 25th National Congress of Czech Geographic Society
 2022, Brno (CZ) Urban Studies Conference
 2022, Lisbon (online) 6th International Conference 'Urban e-Planning'
 2022, New York (online) AAG Annual Meeting
 2021, Lisbon (online) 5th International Conference 'Urban e-Planning'
 2020, Pilsen (CZ) 24th National Congress of Czech Geographic Society (online invited plenary talk)
 2020, Kouty (CZ) Maps are for everybody
 2019, Helsinki 2nd International Society of Participatory Mapping conference
 2019, Lisbon 4th International Conference 'Urban e-Planning'
 2018, Lisbon 3rd International Conference 'Urban e-Planning'
 2017, Washington D.C. 28th International Cartographic Conference
 2017, Poznań, Poland Symposium Modern Methods and Tools for Public Participation in Urban Planning 2017
 2016, Venice Charting the Digital: Discourse, Disruption, Design, Detour
 2016, Prague (CZ) GIS in city a regional planning
 2016, České Budějovice (CZ) 22nd National congress of Czech Geographic Society
 2016, Lisbon 1st International Journal of E-Planning Research 2016 Annual Conference
 2016, Ostrava (CZ) GIS Ostrava 2016
 2015, Lednice (CZ) 21st National Cartographic Conference
 2015, Rio de Janeiro 27th International Cartographic Conference
 2014, New York 6th Annual Conference of Crisis Mappers
 2014, Prague (CZ) 23rd national congress of Czech Geographic Society
 2014, Zvolen, Slovakia 9th Forum of Young Geoinformatics
 2014, Prague Geoinformatics in public administration
 2014, Olomouc (CZ) CARTOCON 2014
 2013, Addis Ababa Global Geospatial Conference
 2013, Brno (CZ) Participation and activism in geography research
 2013, Plzeň (CZ) 20th National Cartographic Conference
 2013, Dresden 26th International Cartographic Conference
 2013, Paris 8th IAG international conference on geomorphology (poster)
 2013, Zvolen, Slovakia 8th Forum of Young Geoinformatics
 2012, Chambéry, France 3rd Forum of Geographic Information for Relief & Development
 2012, Johannesburg GISSA Ukubuzana 2012
 2011, Ostrava (CZ) The Scale of Globalization: Think Globally, Act Locally, Change Individually in the 21st Century

SELECTED AUTHOR'S PUBLICATIONS

Contributions in a scientific journal indexed on the Web of Science

- MEENAR, Mahbubur, **Jiří PÁNEK**, Jennifer KITSON, and Ashley YORK. "Mapping the emotional landscapes of parks in post-industrial communities enduring environmental injustices: Potential implications for biophilic city planning." *Cities* 158 (2025): 105692. Impact Factor: 6.0
- RYPL, Oldřich, Jaroslav BURIAN, **Jiří PÁNEK**, and Jan BRUS. "Geoparticipation as a tool for mapping calamities mosquito hotspots: A case study from Litovelské Pomoraví, Czechia." *Environmental and Sustainability Indicators* (2024): 100509. Impact Factor: 5.4
- KVĚTOŇOVÁ, Veronika, **Jiří PÁNEK**, Jan GELETIČ, Petr ŠIMÁČEK, and Michal LEHNERT. "Where is the heat threat in a city? Different perspectives on people-oriented and remote sensing methods: the case of Prague." *Heliyon* (2024). 10:16, e36101. Impact Factor: 3.4

- CHOVANEČEK, Jiří, **Jiří PÁNEK**, and Barbora FRLIČKOVÁ. "What are the driving factors for implementing participatory budgeting? A case study from Czechia." *European Planning Studies* (2024): 32:5, 1165-1184. Impact Factor: 2.6
- **PÁNEK, Jiří**, HENNIG, Benjamin, HUCK, Jonathan, and Karl BENEDIKTSSON (2024). Geospatial technologies in hazard research and response—a case study of Paper2GIS in an international field course. *Journal of Geography in Higher Education*, 48:4, 597-614. Impact Factor: 1.8
- VASILEV, Miroslav, Ray PRITCHARD, Thomas JONSSON, and **Jiří PÁNEK**. "An exploration of multiuser perceptions of a Norwegian Complete Streets modification using interim design strategies." *Case Studies on Transport Policy* (2023): 101058. Impact Factor: 2.5
- BURIAN, Jaroslav, Radek BARVÍŘ, Daniel PAVLAČKA, **Jiří PÁNEK**, Jiří CHOVANEČEK, and Vít PÁSZTO. "Geoparticipation in the Czech municipalities: index based quantitative approach." *Journal of Maps* 19, no. 1 (2023): 2231006. Impact Factor: 2.2
- LEHNERT, Michal, **Jiří PÁNEK**, Jan KOPP, Jan GELETIČ, Veronika KVĚTOŇOVÁ, and Martin JUREK (2023). "Thermal comfort in urban areas on hot summer days and its improvement through participatory mapping: A case study of two Central European cities." *Landscape and Urban Planning* 233: 104713. Impact Factor: 9.1
- LINHARTOVÁ, Petra, Igor IVAN and **Jiří PÁNEK** (2022) Visualising residents' fear of crime with recorded crime data from four Czech cities, *Journal of Maps*, DOI: 10.1080/17445647.2022.2035263 Impact Factor: 2.709
- **PÁNEK, Jiří**, Enzo FALCO, and Jakub LYSEK. (2022). "The COVID-19 Crisis and the Case for Online GeoParticipation in Spatial Planning" (editorial) *ISPRS International Journal of Geo-Information* 11, no. 2: 92. DOI:10.3390/ijgi11020092 Impact Factor: 2.899
- **PÁNEK, Jiří**, Radek BARVÍŘ, Jakub KONÍČEK, and Milan BRLÍK (2021). The emotional map of Prague – data on what locals think about the Czech capital?. Data in Brief Vol. 39, December 2021, 107649. DOI: 10.1016/j.dib.2021.107649. Impact Factor: Emerging Sources Database
- BABELON, Ian, **Jiří PÁNEK**, Enzo FALCO, Reinout KLEINHANS, and James CHARLTON (2021). Between Consultation and Collaboration: Self-Reported Objectives for 25 Web-Based Geoparticipation Projects in Urban Planning. *ISPRS International Journal of Geo-Information* 10, no. 11: 783. <https://doi.org/10.3390/ijgi10110783> Impact Factor: 2.899
- **PÁNEK, Jiří**, Vít PÁSZTÓ, Jaroslav BURIAN, Jakub BAKULE, Jakub LYSEK (2021). What is the current state of geoparticipation in Czech municipalities?. *GeoScape* Vol. 15 No. 1, pp. 90-103. DOI: 10.2478/geosc-2021-0008. Impact Factor: Emerging Sources Database
- PÁSZTO, Vít, **Jiří PÁNEK**, and Jaroslav BURIAN (2021). Geodatabase of Publicly Available Information about Czech Municipalities' Local Administration. Data. DOI:10.3390/data6080089 Impact Factor: Emerging Sources Database
- LEHNERT Michal, Jan GELETIČ, Jan KOPP, Marek BRABEC, Martin JUREK and **Jiří PÁNEK** (2021). Comparison between mental mapping and land surface temperature in two Czech cities: A new perspective on indication of locations prone to heat stress. *Building and Environment* 203. DOI: 10.1016/j.buildenv.2021.108090 Impact Factor: 7.093
- PÁSZTO, Vít, **Jiří PÁNEK**, René GLAS, and Jasper van VUGHT (2021). Spationomy Simulation Game—Playful Learning in Spatial Economy Higher Education. *ISPRS International Journal of Geo-Information* 10 (2). DOI: 10.3390/ijgi10020074 Impact Factor: 2.239
- LYSEK, Jakub, **Jiří PÁNEK**, and Tomáš LEBEDA (2021). Who are the voters and where are they? Using spatial statistics to analyse voting patterns in the parliamentary elections of the Czech Republic. *Journal of Maps*, vol. 17, No.1, pp. 33-38. DOI: 10.1080/17445647.2020.1819901, Impact Factor: 2.365
- **PÁNEK, Jiří**, Michael GLASS, and Lukáš MAREK (2020). Evaluating a Gentrifying Neighborhood's Changing Sense of Place Using Participatory Mapping. *Cities* 102: 102723. DOI: 10.1016/j.cities.2020.102723. Impact Factor: 4.802
- **PÁNEK, Jiří**, Igor IVAN, and Lucie MACKOVÁ (2019). Comparing Residents' Fear of Crime with Real Crime Data – Case Study Ostrava, Czech Republic. *ISPRS International Journal of Geo-Information* 8 (9). DOI: 10.3390/IJGI8090401. Impact Factor: 2.239
- **PÁNEK, Jiří** and Rostislav NÉTEK (2019). Collaborative Mapping and Digital Participation: A Tool for Local Empowerment in Developing Countries. *Information*, vol. 10, No. 8, DOI: 10.3390/info10080255. Impact Factor: Emerging Sources Database
- PÁSZTO, Vít, Karel MACKŮ, Jaroslav BURIAN, **Jiří PÁNEK** and Pavel TUČEK (2019). Capturing cross-border continuity: The case of the Czech-Polish borderland. *Moravian Geographical Reports*, vol. 27, No. 2, pp. 122-138. DOI: 10.2478/mgr-2019-0010 Impact Factor: 2.479
- **PÁNEK, Jiří** (2019). Mapping citizens' emotions: participatory planning support system in Olomouc, Czech Republic. *Journal of Maps*, vol. 15, No. 1, pp. 8-12, DOI:10.1080/17445647.2018.1546624 Impact Factor: 2.365
- **PÁNEK, Jiří** and Michael GLASS (2018). Gaining a Mobile Sense of Place with Collector for ArcGIS. *Journal of Geography in Higher Education*, vol. 42, No. 4, pp. 603-616. DOI: 10.1080/03098265.2018.1515190 Impact Factor: 1.213
- **PÁNEK, Jiří**, Vít PÁSZTO and Chris PERKINS (2018). Flying a kite: playful mapping in a multidisciplinary field-course. *Journal of Geography in Higher Education*, vol. 42, No. 3, pp. 317-336. DOI: 10.1080/03098265.2018.1463975. Impact Factor: 1.213

- **PÁNEK, Jiří**, Alex GEKKER, Sam HIND, Jana WENDLER, Chris PERKINS and Sybille LAMMES (2018). Encountering Place: Mapping and Location-Based Games in Interdisciplinary Education. *The Cartographic Journal*, vol. 55, No. 3, pp. 285-297. DOI: 10.1080/00087041.2017.1386342. Impact Factor: 0.814
- **PÁNEK, Jiří**. (2018). Participatory mapping in community participation—case study of Jeseník, Czech Republic. *Quaestiones Geographicae*, 37(3), 151-162. DOI: 10.2478/quageo-2018-0031. Impact Factor: Emerging Sources Database
- **PÁNEK, Jiří** and Karl BENEDIKTSSON (2017). Emotional mapping and its participatory potential: Opinions about cycling conditions in Reykjavík, Iceland. *Cities*, vol. 61, January, pp. 65-73, DOI: 10.1016/j.cities.2016.11.005. Impact Factor: 2.449
- **PÁNEK, Jiří**, Lukáš MAREK, Vít PÁSZTO and Jaroslav VALŮCH (2017). The Crisis Map of the Czech Republic— A Nationwide Deployment of an Ushahidi Application for Crisis Situations. *Disasters*, vol. 41 (4), pp. 649-671, DOI: 10.1111/disa.12221. Impact Factor: 1.08
- **PÁNEK, Jiří** and Vít PÁSZTO (2017). Emotional Mapping in Local Neighbourhood Planning: Case Study of Příbram, Czech Republic. *International Journal of E-Planning Research*, vol. 6, no. 1, pp. 1-22. ISSN 2160-9918. DOI: 10.4018/IJEPR.2017010101. Impact Factor: Emerging Sources Database
- **PÁNEK, Jiří** (2016). From Mental Maps to GeoParticipation. *The Cartographic Journal*, vol. 53, No. 4, pp. 300-307. DOI: 10.1080/00087041.2016.1243862. Impact Factor: 0.569
- ČMIELOVÁ, Beata and **Jiří PÁNEK** (2016). Visual comparison of web map changes of OpenStreetMap and commercial online-map providers. A research note., *International Journal of E-Planning Research*, vol. 5, no. 2, pp. 40-54. ISSN 2160-9918. <http://doi.org/10.4018/IJEPR.2016040103>. Impact Factor: Emerging Sources Database
- **PÁNEK, Jiří** (2015). ARAMANI – Decision-Support tool for Selecting Optimal Participatory Mapping Method. *The Cartographic Journal*, vol. 52, No. 2, pp. 107-113, DOI: 10.1080/00087041.2015.1119473. Impact Factor: 0.299
- **PÁNEK, Jiří** (2015). How participatory mapping can drive community empowerment – a case study of Koffiekraal, South Africa. *South African Geographical Journal*, vol. 97, No. 1, pp. 18-30. DOI: 10.1080/03736245.2014.924866. Impact Factor: 0.481

Contributions in a scientific journal/conference indexed on the SCOPUS

- **PÁNEK, Jiří** (2018). Emotional maps: Participatory crowdsourcing of citizens' perceptions of their urban environment. *Cartographic Perspectives*. doi: 10.14714/CP91.1419
- OPRŠAL, Zdeněk, Petr KLADIVO, **Jiří PÁNEK**, and Ivo MACHAR (2018). "How can landscape heterogeneity and variability of environmental parameters influence land-use change? Three case studies in Trkmanka watershed, the Czech republic". In: 8th International Multidisciplinary Scientific Geoconference, SGEM, 18 (5.1), 455-462. DOI: 10.5593/sgem2018/5.1/S20.059
- PÁSZTO, Vít, Jaroslav BURIAN, **Jiří PÁNEK**, and Karel MACKŮ (2017). "Mapping the economic data - case studies and best practices". In: 17th International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 17(21) 975-982. DOI: 10.5593/sgem2017/21/S07.123
- NÉTEK, Rostislav and **Jiří PÁNEK** (2016). "Framework See-Think as a Tool for Crowdsourcing Support-Case Study on Crisis Management." *ISPRS-International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, pp. 13-16.
- **PÁNEK, Jiří** and Alžběta Brychtova (2015). Russian–Ukrainian conflict over Crimea on the map. In 2nd International Multidisciplinary Scientific Conference on Social Sciences and Arts SGEM2015, pp. 307–314, Albena. doi:10.5593/SGEMSOCIAL2015/B21/S4.040
- **PÁNEK, Jiří** and Lenka SOBOTOVÁ (2015). Can Community Mapping in Urban Informal Settlements lead to Sustainable Development? *The Electronic Journal of Information Systems in Developing Countries*, vol. 68, No. 1, pp. 1-13. Available at: <http://www.ejisdc.org/ojs2/index.php/ejisdc/article/view/1411/5662015>.
- BRYCHTOVÁ, Alžběta, Vít PÁSZTO, Lukáš MAREK and **Jiří PÁNEK** (2013). Web-design evaluation of the crisis map of the Czech Republic using eye-tracking. In: 13th International Multidisciplinary Scientific GeoConference. Vol. 1, pp. 1065-1072. ISBN 978-954-91818-9-0.
- **PÁNEK, Jiří** and Schalk VAN HEERDEN (2013). Participatory GIS for water provision and community planning – case study Koffiekraal, South Africa. In: 13th International Multidisciplinary Scientific GeoConference. Vol. 1, pp. 845-851. ISBN 978-954-91818-9-0.

Contributions in a scientific journal (non-impact peer-reviewed journals)

- **PÁNEK Jiří** (2024). Měření (Geo)Participace (in Czech). *Urbanismus a územní rozvoj*, Vol. 27, No. 4, pp. 19-24. ISSN 1212-0855
- ILČÍKOVÁ, Gabriela and **Jiří PÁNEK** (2022). Use of mobile applications for communication with citizens in the district of Uherské Hradiště (in Czech). *Regionální rozvoj mezi teorií a praxí*. 2022(3), pp. 4-15.
- VALCHAŘOVÁ, Daniela, **PÁNEK, Jiří** and Jakub LYSÁK (2022). Actual trends in participatory mapping (in Czech) *Geografické rozhledy: časopis pro výuku a popularizaci geografie*. Praha: IRIS, vol. 32(2), pp. 34-37.
- ŠIMÁČEK, Petr, Daniel DOLEŽAL, Miloslav ŠERÝ, David FIEDOR, **Jiří PÁNEK** and Zdeněk SZCZYRBA. (2020): Participativní mapování míst strachu z kriminality jako příspěvek k rozvoji urbánního prostředí. *Urbanismus a územní rozvoj*, Vol. 23, No. 5, pp. 4-10. ISSN 1212-0855

- MIDTAUNE, Kristiane, Jakob Bonnevie CYVIN, Jiří PÁNEK, and Jan Ketil RØD (2018). Feltbasert undervisning. Uniped, Vol. 41, No. 04, pp. 452-468.
- PÁNEK Jiří and Martina ŠENKEŘÍKOVÁ (2018). Where does the Middle East lie? A comparison of definitions and mental maps of the region with the eyes of university students (in Czech). Informace ČGS, 37, 2, 31–41.
- PÁNEK, Jiří (2018). Building an Online Participatory Mapping Platform for Community Engagement. The Bulletin of the Society of Cartographers, Vol. 51, No. 1+2, pp. 3-7.
- PÁNEK, Jiří (2017). Pocitové mapy jako nástroj zefektivnění procesu strategického řízení ve městě Olomouci. Contemporary European Studies, No. 2, pp. 15-26.
- PÁNEK, Jiří (2013). Geographic information systems in developing countries – what are the ethical issues we need to be aware of. GeoScience Engineering, vol. 59, No. 2, pp. 40-48.
- PÁNEK, Jiří and A.C. VLOK (2013). Participatory mapping as a tool for community development (in Czech) Geografické rozhledy: časopis pro výuku a popularizaci geografie. Praha: IRIS, vol. 23, pp. 2-5.

Scientific book

- PÁNEK, Jiří. (2024) Manual of geoparticipation (in Czech): Palacký University Olomouc. ISBN 978-80-244- 6426-8.
- PÁNEK, Jiří et. al (2022). Geoparticipatory spatial Tools. Springer, 188 p. ISBN 978-3-031-05547-8.
- PÁNEK, Jiří et. al (2022). EduChange Methodology., 150 p. ISBN 978-80-244-6133-5.
- PÁNEK, Jiří (2015). Selecting method of participatory mapping (in Czech), Olomouc: Palacký University Olomouc, 108 p. ISBN 978-80-244-4435-2.
- PÁNEK, Jiří et al. (2014). GeoParticipation (in Czech), Olomouc: Palacký University Olomouc, 76 p. ISBN 978-80-244-4359-1.
- PÁNEK, Jiří and Jan GELETIČ (2013). GIS for Development Studies (in Czech). Olomouc: Palacky University, 120 p. ISBN 978-80-244-3817-7.

Chapter in a scientific book

- HAFFERTY, Caitlin, Jiří PÁNEK, and Ian BABELON (2024). "Problematising Digital Democracy." Digital Technologies for Sustainable Futures: Promises and Pitfalls, pp: 79-92. Routledge Studies in Sustainability
- HENNIG, Sabine, Robert VOGLER, and Jiří PÁNEK (2023). "Survey123 for ArcGIS Online." In Evaluating Participatory Mapping Software, pp. 167-188. Cham: Springer International Publishing.
- PÁNEK, Jiří and Vít PÁNEK (2020). Emotional Mapping in Local Neighbourhood Planning: Four Examples From the Czech Republic. In: Silva C. N. (ed) Citizen-Responsive Urban E-Planning: Recent Developments and Critical Perspectives. IGI Global.
- PÁNEK, Jiří and Jaroslav BURIAN (2020). Online Visualisation. In: Pászto V., Jürgens C., Tominc P., Burian J. (eds) Spationomy. Springer, Cham
- PÁSZTO Vít, and Jiří PÁNEK (2020). Spationomy Simulation Game. In: Pászto V., Jürgens C., Tominc P., Burian J. (eds) Spationomy. Springer, Cham
- PÁNEK, Jiří (2020). Spatial Visualisation. In: Pászto V., Jürgens C., Tominc P., Burian J. (eds) Spationomy. Springer, Cham
- PÁNEK, Jiří, Vít PÁSZTO and Petr ŠIMÁČEK (2018). Spatial and Temporal Comparison of Safety Perception in Urban Spaces. Case Study of Olomouc, Opava and Jihlava. In I. Ivan, J. Horák, & T. Inspektor (Eds.), Lecture Notes in Geoinformation and Cartography: Dynamics in Giscience (p. 333-346). Ostrava, Czech Republic: Springer International Publishing. http://doi.org/10.1007/978-3-319-61297-3_24
- PÁNEK, Jiří and Vít PÁSZTO (2017). Crowdsourcing Mapping and Participatory Planning Support System: Case Study of Brno, Czech Republic. In M. Peterson et al. (Eds.), Lecture Notes in Geoinformation and Cartography (p. 61-73). Springer International Publishing. http://doi.org/10.1007/978-3-319-57336-6_5
- PÁNEK, Jiří, Lenka MARINCOVÁ, Lenka PUTALOVÁ, Jiří HÁJEK and Lukáš MAREK (2017). Crowdsourcing of environmental health quality perceptions: A pilot study of Kroměříž, Czech Republic. In M. Leitner & J. Jokar Arsanjani (Eds.), Geotechnologies and the Environment: Citizen Empowered Mapping (p. 261-280). Springer International Publishing. <http://doi.org/10.1007/978-3-319-51629-5>
- PÁNEK, Jiří (2017). Emotional and Subjective Volunteered Geographical Information. In C. Campelo, M. Bertolotto & P. Corcoran (Eds), Volunteered Geographic Information and the Future of Geospatial Data (p. 97 – 112). IGI Global. DOI: 10.4018/978-1-5225-2446-5.ch006
- PÁNEK, Jiří, Vít PÁSZTO and Lukáš MAREK (2017). Mapping emotions: spatial distribution of safety perception in the city of Olomouc. In I. Ivan, A. Singleton, J. Horák, & T. Inspektor (Eds.), Lecture Notes in Geoinformation and Cartography: The Rise of Big Spatial Data (p. 211-224). Ostrava, Czech Republic: Springer International Publishing. http://doi.org/10.1007/978-3-319-45123-7_16
- PÁNEK, Jiří (2014). Information and communication technologies in development (in Czech) In: NOVÁČEK, Pavel. Development Studies: Selected Chapters. Olomouc: Palacký University Olomouc, pp. 183-201. ISBN 978-80-244-3958-7.
- PÁNEK, Jiří, Jan GELETIČ and Vít VOŽENÍLEK (2013). Concept of advanced decision-tree tool for selecting optimal participatory mapping method. In: Proceedings of Global Geospatial Conference 2013. Addis Ababa, Ethiopia, 4-8 November, 2013, pp. 1-14. Available at: <http://www.gsdi.org/gsdiconf/gsdi14/papers/76rpa.pdf>
- PÁNEK, Jiří and Beata ČMIELOVÁ (2013). Participativní mapování a participativní GIS jako nástroje občanské angažovanosti (in Czech). In: OSMAN, Robert. GEOGRAFICKÝ VÝZKUM: PARTICIPACE A ANGAŽOVANOST. Brno: Masarykova univerzita, 2013, pp. 140-152. ISBN 978-80-210-6415-7. Available at: http://geoinovace.data.quonia.cz/workshop13/Sbornik_z_workshopu_doktorandu_a_doktorandek_2013.pdf

- **PÁNEK, Jiří** (2013). The assessment of participatory mapping methods based on expert system. In: POPELKA, Stanislav and Vít VOŽENÍLEK. Second InDOG Doctoral Conference Proceedings. Olomouc, 2013, pp. 48-51. ISBN 978-80-244-3735-4.
- **PÁNEK, Jiří** (2013). Participativní mapování vodních zdrojů – Koffiekraal, Jihoafrická republika (in Czech). In: GALAMBOŠ, Michal, Vladimíra DŽUGASOVÁ and Andrea ŠEVČOVIČOVÁ. Študentská vedecká konferencia PriF UK 2013. Bratislava, 2013, pp. 1445-1450. ISBN 978-80-223-3392-4.
- **PÁNEK, Jiří** and Zdeněk OPRŠAL (2011). Participatory GIS (in Czech) In: DUŠKOVÁ, Lenka et al. Encyclopedia of Development Studies. Olomouc: Palacký University Olomouc, pp. 203-205. ISBN 978-80-244-2948-9.

Other selected publications

- AUTOMAT, z.s., Jan MALÝ BLAŽEK, Osamu OKAMURA, **Jiří PÁNEK**, Mirjana PETRIK a Magdalena SMETANOVÁ. Mapování ve škole - co, proč a jak? (in Czech) In: Žijeme městem - Příručka s lekcemi do výuky pro 2. stupeň základních škol [online]. Praha: Člověk v tísní, 2023, s. 75-82 [cit. 2023-10-11]. ISBN 978-80-7591-072-1. Dostupné z: <https://www.clovekvtsni.cz/zijeme-mestem-priruccka-s-lekcemi-do-vyuky-pro-2-stupen-zakladnich-skol-2083pub>
- IGOR Ivan, Lucie ORLÍKOVÁ, **Jiří PÁNEK** and Lucie MACKOVÁ (2020). Methodology to identify and assess unsafe locations in the city (in Czech). Methodology certified by Ministry of the Interior of the Czech Republic. Available at: https://prevencekriminality.cz/wp-content/uploads/2020/07/certifikovana_metodika_final.pdf
- **PÁNEK, Jiří** and Vít PÁSZTO (2016). Pčitové mapy v plánování měst a region (in Czech). Regionální rozvoj mezi teorií a praxí, vol. 2016, no. 4, pp. 48-62. ISSN 1805-3246.
- **PÁNEK, Jiří** (2016). Participativní a “playful” metody na geografických exkurzích (in Czech). In: A. Nováček (Ed.), 24th national congress of Czech Geographic Society. pp. 276-284. ISBN 978-80-7394-619-7.
- **PÁNEK, Jiří** (2016). What do young and brilliant minds think about Development, Environment and Foresight? (editorial), Development, Environment and Foresight, vol. 2, no. 2, pp. 59-60. ISSN 2336-6621
- **PÁNEK, Jiří** (2013). The Commercialisation of Public Data – How Does Participatory Data-mining Look on a Global Scale? South African Journal of Geomatics, vol. 2, no. 3, pp. 231-245.
- **PÁNEK, Jiří** (2012). Dangers of commercialising public data. PositionIT: the geoinformatics, surveying, GIS, GPS and location based services journal for southern Africa, Nov/Dec, pp. 40-46. ISSN 1818-2097.

- THESES SUPERVISING

Bachelor theses defended (all UPOL unless stated otherwise): **37**

- Who are the users of geoparticipative platforms case study of PčitoveMapy.cz (2025)
- Use of educational application for field-based learning and nature exploration (2024)
- Utilization of modern geospatial technologies in environmental education (2024)
- Do we know the actual cost of having fun on the internet? (2024)
- Population development in India (2024)
- What are the spatial perceptions of Vietnamese minority living in Czechia about the geography of Czechia? (2024)
- Use of augmented reality (AR) in spatial planning (2024)
- Egypt: spatial delimitation and knowledge about It (2023)
- Mental map of Ukraine (2023)
- Olomouc - perception of the centre and the periphery (2023)
- Practical use of cybercartography for mapping local spatial knowledge and landscape memories in a selected region (2022)
- Waste production in district towns of the Moravian-Silesian region (2022)
- The averted face of Olomouc (2022)
- The concept of sustainable coffee production and the interest of the Czech consumer (2022)
- Emotional maps of Jeseník - comparative analysis (2021)
- Simulation games in education (2021)
- Assessing the spatial allocation of waste containers in a selected city (2020)
- Activities of the Healthy Cities of the Czech Republic network in the Moravian-Silesian region (2019)
- Multimedia maps in presentation of environmental topics: Case study of African travels of Hanzelka & Zikmund (2019).
- Noise as an environmental pollution - a case study Olomouc (2019)
- Perception of regional and local names in Velký Újezd and its outskirts (2018)
- Imaginative geography of selected region (2018)
- Perception of the quality of urban green spaces and places to rest (2018)
- Primary school pupils' perception of safety in Náchod (2018)
- Exploration of urban sustainability through participatory and playful methods (2017)
- Emotional map of Valašské Meziříčí (2017)
- Spatial aspects of safety in the selected city – Opava (2017)
- UAVs and their use in crisis situations (2017)
- Dérive and didactic opportunities in development studies (2017)
- Mental map of the Middle East: Collection, analysis and interpretation (2016)
- The impact of tourism on indigenous population in Panama (2016)

Kite mapping and its use in coastal areas (2016)
Analysis of Africa's mental map rendered by grammar schools' pupils in Slovakia and the Czech Republic (2014)
The supply of arms to the selected developing countries in Africa (2013)
Upgrading Kibera - the issue of changing the urban structure in Kibera (2013)
Comparison of the selected projects of the Czech development cooperation in education: Child sponsorship and Let's build a school in Africa (2013)
Participative GIS and SWOT analysis of a selected project (2013)
Problems with the granting of asylum in the Czech Republic (2013)

Master theses defended (all UPOL unless stated otherwise): **15**

Implementation of the Smart City concept in the Czech Republic (2023)
Evaluation of communication of Ostrava districts with the public (2022)
The mobile applications for communication between the local municipality and the citizens. (2022)
Postdevelopment Policy Information: A GIS Design Workflow for the Pluriverse (2021)
Usage and limitation of autonomous pilotless systems in the context of international safety (2020)
Evaluation of opportunities and challenges for the successful synthesis of placemaking and festival practices (2020)
Crowdsourcing in humanitarian mapping: motivations and outputs (2019)
The comparison of perception of safety in the selected cities (2019)
Analysis of the tourist dominants of Zlín region expressed using maps (2019)
Usage of Story Maps application for educational purposes (2018)
Spatial perception of developing countries by high school students (2018)
Community mapping in developing contexts - limits and benefits (2015)
Applying of the information technology to crisis mapping (2015)
Recipients' Perceptions of Thanapara Swallows Development Society's Arsenic Mitigation Community Work in Bangladesh (2015)
Possibilities of using Geographic Information Systems (GIS) in non-governmental non-profit development organization (2014)

PhD dissertation theses: **4**

Selected aspects of participatory and collaborative mapping (co-supervisor work in progress). Faculty of Science, **Charles University**, Prague, Czech Republic.
The use of augmented reality as a tool for research and development of the urban environment (not finished). Faculty of Art and Architecture. **Technical University Liberec**, Czech Republic
Utilization of geospatial tools for participation in decision-making process at the level of local governments (in progress). Faculty of Science, **Palacky University Olomouc**, Czech Republic
Gamification of urban planning using tangible geoparticipation (defended 2024). Faculty of Science, **Palacky University Olomouc**, Czech Republic

THESES REVIEWING

Bachelor theses (all UPOL unless stated otherwise): **20**

Development and environmental aspects of electromobility (2024)
Migration of the population from the states of the former Yugoslavia to the Czech Republic (2023)
Energy Development in Japan and Its Impact on the Environment (2023)
Aquaponic wastewater treatment in developing countries (2023)
Passive and low-energy houses with usage of smart technologies. (2022)
Projects based on Blockchain 3.0 technology (2022)
Environmental education in elementary schools, influence on the education and upbringing of children (2021)
Recycling behaviour among students at Ton Duc Thang University in Vietnam (2021)
Sustainable community development in the Czech Republic with focus on neighborhood communities (2020)
Analysis of selected small-scale protected areas in the Čhřiby Nature Park (2020)
The Utilisation of International Classification of Developing Countries in the European Union's Foreign Policy (2020)
Urban criteria for sustainable city planning of the 21st century (2020)
Education for active citizenship with the focus on service-learning (2019)
The impact of multinational corporations on developing countries: The effects of The Shell company on human rights and environment in Nigeria (2015)
The Regulation and Export of Weapons to Developing Countries on the Case of the Czech Republic (2015)
The child soldiers and their reintegration with focus on Uganda (2013)
Education in the Tibetan exile in India and influence of NGOs (2012)
Impact of Commonwealth games on the development in Delhi (2012)
Global development education in the Czech scouting - analysis of current situation and proposals for the future (2011)

Master theses (all UPOL unless stated otherwise): **16**

- Long-term development of the number and area of garden pools and ponds in a selected regional city and its hinterland (2025)
- Creation of a board game on the topic of development of decolonized countries (2022)
- Climate change in the Westfjords, Iceland A local perspective of a global problem (2022) University of Akureyri, Iceland
- Perceptions about the value of addresses and address data in South Africa (2022), University of Pretoria, South Africa
- Slow fashion movement and its connection with social business in the Czech Republic Values, approaches and current practice (2019)
- Time-Space Aspects of Perception of Fear in the Mental Maps of the Population Děčín region (2018)
- Analysis of teachers' needs in incorporating global development education topics: ARPOK organisation and its services and products (2017)
- The issue of certification of sustainable aquaculture (2017)
- Is the public transport system failing the poor? A critical analysis of the public transport system in South Africa: Case study of Johannesburg. (2017)
- Emotional map of Olomouc city (2017)
- Analysis of Youth Leadership and Empowerment towards Sustainable Community Livelihoods: A Case Study in Guatemala and El Salvador (2016)
- Small Scale farming versus Corporate Agriculture in Sub-Saharan Africa: A Case Study of Tanzania (2016)
- Business plan: Fairtrade café in Olomouc (2015)
- Tourism as a Development Opportunity for SIDS in the Pacific Region (2015)
- Community Based Urban Agriculture in Southern Africa: Case Study of Ndola, Zambia (2014)
- Participatory GIS and 3D modelling as development cooperation instruments (2011)
- Comparative analysis of websites of selected development NGO's (2011)

PhD dissertation theses: **6**

- Methods of participatory mapping of the perception of urban space (2024), Department of Geography, Palacky University Olomouc, **Czech Republic**
- A strategy for the improvement of spatial thinking in undergraduate Geography at South African Universities (2024), Department of Geography, University of South Africa, **South Africa**.
- PhD pre-defense, Use of advanced data generation techniques for humanitarian mapping purposes (2023), Department of Geography, Masaryk University Brno, **Czech Republic**
- The Future of Civic Technologies for the Involvement of Citizens in Urban Planning: 3D Urban Participatory e-Planning in the Spotlight (2022), Swiss Federal Institute of Technology Lausanne, **Switzerland**
- PhD seminar (pre-defense), High-value natural resource revenue management: Spatial Crowdsourcing and the Annual Budget Funding Amount in Ghana (2021), Department of Geography, Norwegian University of Science and Technology, **Norway**
- Integrating Strategic Foresight into Sustainable Development of Catchment Land-Use (2020), Centre for Regional and Rural Futures and School of Life and Environmental Sciences, Faculty of Science, Engineering and Built Environment, Deakin University, **Australia**

INVITED LECTURES AND WORKSHOPS (outside Palacký University Olomouc)

- 2024 International Organisation for Migration course "Post-conflict reconstruction and development", workshop topic: "**Community Participation**"
Digital Earth Citizens A Blended Intensive Program (BIP) supported by Erasmus+, workshop topic: "**Geospatial technologies in field-based research - examples of geoparticipatory apps for data collection**"
- 2023 Norway # Czechia: How to participate, Talk topic: "**Emotional maps - topics, target groups, use in cities**"
Open Science Week, Talk topic: "**Emotional Maps – Citizens' preferences in urban space**"
GIS Slovakia, lecture topic: "**Comparison of fear of crime and real crime data**"
University of Pretoria (South Africa), Lecture topic: "**Perception of urban space in geographical research**"
- 2022 The First webinar of Participatory mapping institute (together with dr. Ian Babelon). Lecture topic: "**100+ shades of geoparticipation**" available online at: <https://www.youtube.com/embed/-GyLWEB-1MY>
Selected Topics in Geoinformatics at University of Salzburg. Lecture topic: "**Can we measure geoparticipation?**"
Czech Fulbright Night by the Embassy of the Czech Republic in Washington, DC. Talk topic: "**Mental maps in (participatory) urban planning in 21st century**"
Charles University Prague, online lecture titled: "**Participativní mapování jako nástroj komunitního rozvoje**"

- 2020 25th national congress of Czech Geographic Society, online invited plenary talk topic: **“50 shades of geoparticipation”**
- 2019 University of South Africa (South Africa), Lecture topic: **“Comparing Residents’ Fear of Crime with Recorded Crime Data”**
University of Pretoria (South Africa), Lecture topic: **“Crowdsourcing in Data collection”**
- 2018 Akropola Kremnica (Slovakia), Lecture topic: **“Emotional maps in Urban Planning”**
Diera do Světa, Liptovský Mikuláš (Slovakia), Lecture topic: **“Emotional maps in Urban Planning”**
Utrecht University Research Days, workshop topic: **“Participatory and Emotional mapping”**
ARCHIP – Architectural Institute in Prague, Lecture topic: **“Potentials and limits of emotional maps in urban planning”**
- 2017 Center for Social & Urban Research at the University of Pittsburgh, Lecture topic: **“Can Participatory Mapping Platforms Change the Way We Work with Urban Perceptions?”**
GIS course at the University of Pittsburgh, Lecture topic: **“Data collection and visualisation”**
Czechoslovak Nationality Room at the University of Pittsburgh, Lecture topic: **“Emotional mapping in Lawrenceville”**
Probation and Mediation Service of the Czech Republic, Lecture topic: **“Mapping of safety perceptions in selected cities”**
Summer school of the National Network of Healthy Cities, Lecture topic: **“Emotional maps and safety mapping”**
University of South Africa, Lecture topic: **“GeoParticipation: Bringing emotions into community mapping and spatial visualisation”**
University of Johannesburg, Lecture topics: **“From Mental Maps to GeoParticipation”**, **“Emotional Mapping and Citizen Science”**
Spring school of the National Network of Healthy Cities, Lecture topic: **“Emotional maps in participatory planning”**
- 2016 Technical geodetic college Opava, Lecture topic: **“Introduction to QGIS and cloud-GIS technologies”**
Prague Summer School on Development Cooperation: Breaking the Chains of Poverty, Lecture topic: **“Crowdsourcing and open data in current humanitarian discourse”**, and lecture: **“Can maps help to build more resilient communities?”**
University of Iceland. Lecture topic: **“GIS enhancing geography education”**
Technical University Liberec. Lecture topic: **“GeoParticipation in local decision making process”**
Independent Social-Ecological Movement (NGO) **“Methods of participation for active citizenship”**
- 2015 Czech Environmental Partnership Foundation conference. Lecture topic: **“Emotional maps in urban planning”**
Prague 4 Municipal District. Lecture topic: **“Emotional maps in city planning”**
University of Iceland. Lecture topic: **“GeoParticipation and Community Mapping”**
Norwegian University of Science and Technology. Lecture topic: **“Online multimedia and playful approaches in geography”**
University of West Bohemia, Pilsen, Czech Republic. Lecture topic: **“Balloon mapping”**
Spring School of Healthy Cities of the Czech Republic Network. Lecture topic: **“Emotional Maps”**
Prague Summer School on New Development Cooperation: Breaking the Chains of Poverty, Lecture topic: **“Crowdsourcing and open data in current humanitarian discourse”**
- 2014 3rd doctoral conference InDOG, Olomouc, Czech Republic. Workshop topic: **“Balloon and kite mapping”**
Public lectures on development by ARPOK (NGO). Lecture topic: **“Do maps help in community development?”**
The Olomouc Centre for Ecological Activities (NGO). Workshop topic: **“Mapping in Africa and in Olomouc – local participation is the key”**
Summer School of Development Cooperation, Olomouc, Czech Republic. Workshop topic: **“Participatory mapping and development cooperation”**
Moravian University College Olomouc. Lecture topic: **“Mapping on iOS devices”**
- 2013 Masaryk University, Brno, Czech Republic. Lecture topic: **“Maps and psychology”**
Summer School of Development Cooperation, Olomouc, Czech Republic. Lecture topic: **“Participatory GIS in development”**
Pampedie – School of public education (NGO). Workshop topic: **“Why do maps lie and how can we trust them?”**
Enviro-i-forum, Technical University in Zvolen, Slovakia. Lecture topic: **“Geographic information systems in developing countries – what are the ethical issues we need to be aware of?”**

SELECTED MEDIA COVERAGE OF MY RESEARCH (In Czech unless stated otherwise)

- 2020 Ukažte nám nejrozpálenější části Olomouce, prosí vědci a sestavují mapu - https://www.idnes.cz/olomouc/zpravy/pocitovemapy-cz-teplo-vedro-teplotni-stres-olomouc-mapa-vedci-z-katedry-geografie-univerzity-palacke.A200730_562156_olomouc-zpravy_mip
Pocitové mapy (Interview) - <https://slovo.proglas.cz/z-regionu/olomoucke-studio-radim/pocitove-mapy/>
- 2018 Geograf zkoumal v Pittsburghu vytlačování chudých starousedlíků z trendy čtvrtí. Gentrifikace se nevyhýbá ani Praze, připomíná (Interview) - <https://vikend.ihned.cz/c1-66062820-geograf-zkoumal-v-pittsburghu-vytlacovani-chudych-starousedliku-z-trendy-ctvrti-gentrifikace-se-nevyhyba-ani-praze-pripomina>
- 2016 Tak trochu jiná mapa - https://www.scmagazine.cz/casopis/03-16/tak-trochu-jina-mapa_locale_cs/
Bílá místa na světě ještě jsou, říká geoinformatik Jiří Pánek (Interview) - <https://olomouc.rozhlas.cz/bila-mista-na-svete-jeste-jsou-rika-geoinformatik-jiri-panek-6378215>
Kde se Olomoučané bojí? Kde to mají rádi? Své pocity mohou zaznamenat do speciální pocitové mapy - <https://olomouc.rozhlas.cz/kde-se-olomoucani-boji-kde-to-maji-radi-sve-pocity-mohou-zaznamenat-do-specialni-6378218>
Přes čáru: Když chybí čáry na mapách. Jak funguje „humanitární Tinder“ (interview) - <https://wave.rozhlas.cz/pres-caru-kdyz-chybi-cary-na-mapach-jak-funguje-humanitarni-tinder-5196705>
- 2014 Levný a rychlý letecký snímek se dá pořídit z balonu naplněného heliem - https://www.irozhlas.cz/veda-technologie/technologie/levny-a-rychly-letecky-snimek-se-da-poridit-z-balonu-naplneneho-helium_201409231644_mvdrova

POPULAR MEDIA ARTICLES – POPULARISATION OF SCIENCE (In Czech unless stated otherwise)

- 2022 PÁNEK, Jiří. Studenti na Islandu mapovali sesuvy půdy. Informace ČGS, 41/2, pp. 40-41. Available at: <https://geography.cz/publikace/informace-cgs/informace-cgs-202241-2/>
- PÁNEK, Jiří and Alena VONDRÁKOVÁ. Čerba, O.: Kartografie pro nekartografy (book review). Informace ČGS, 41/2, pp. 24-27. Available at: <https://geography.cz/publikace/informace-cgs/informace-cgs-202241-2/>
- 2021 BOUŠKOVÁ, Jitka and Jiří PÁNEK. GIS jinak. Pro města a obce, únor 2021, pp. 37-38
- 2020 PÁNEK, Jiří. V Olomouci uzavřeli mezinárodní projekt EduChange konferencí. Informace ČGS, 39/2, pp. 52-53. Available at: https://geography.cz/wp-content/uploads/2020/10/icgs022020_konference.pdf
- PÁNEK, Jiří. Jak dělat mezinárodní terénní exkurzi v době koronavirové?. Informace ČGS, 39/2, pp. 55-56. Available at: https://geography.cz/wp-content/uploads/2020/10/icgs022020_konference.pdf
- 2018 PÁNEK, Jiří. Geografická stáž na University of Pittsburgh. Informace ČGS, 37/1, pp. 58-59. Available at: https://geography.cz/wp-content/uploads/2018/10/icgs012018_konference.pdf
- 2017 PÁNEK, Jiří. 28. mezinárodní kartografická konference ve Washingtonu, D.C. Informace ČGS, 36/2, pp. 36. Available at: https://geography.cz/wp-content/uploads/2018/10/icgs022017_konference.pdf
- PÁNEK, Jiří. Konference Mapování | GIS | Rozvoj vol. 4. Informace ČGS, 36/1, pp. 47-48. Available at: https://geography.cz/wp-content/uploads/2018/10/icgs012017_konference.pdf
- PÁNEK, Jiří. V Olomouci proběhl humanitární mapathon s Lékaři bez hranic. Informace ČGS, 36/1, pp. 55. Available at: https://geography.cz/wp-content/uploads/2018/10/icgs012017_konference.pdf
- 2016 PÁNEK, Jiří. 21. kartografická konference. Informace ČGS, 35/1, pp. 73. Available at: https://geography.cz/wp-content/uploads/2018/10/icgs012016_konference.pdf
- PÁNEK, Jiří. Konference Mapování | GIS | Rozvojové země vol. 3 – reportáž. Informace ČGS, 35/1, pp. 76-78. Available at: https://geography.cz/wp-content/uploads/2018/10/icgs012016_konference.pdf
- PÁNEK, Jiří. Lidstvo sní jen polovinu potravin. Rozvojovka. Praha: Člověk v tísni, 2016, č. 1, pp. 10. Available at: http://www.rozvojovka.cz/download/docs/373_rozvojovka-1-2016-neni-jidlo-jako-jidlo.pdf
- 2015 PÁNEK, Jiří. 27. mezinárodní kartografická konference v Rio de Janeiru. Informace ČGS, 34/2, pp. 68-69. Available at: https://geography.cz/wp-content/uploads/2018/10/icgs012016_konference.pdf
- PÁNEK, Jiří. Data: Migranti hledají cílové země na Googlu. Rozvojovka. Praha: Člověk v tísni, 2015, č. 4, s. 10. Available at: http://www.rozvojovka.cz/download/docs/346_rozvojovka-4-2015-migrace.pdf
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- 2013 PÁNEK, Jiří. Open Data. ArcRevue: informace pro uživatele software ESRI a Leica Geosystems. Praha: Arcdata Praha, 2013, č. 4, s. 32-35. Available at: http://download.arcdata.cz/ArcRevue/2013/AR4-2013_web.pdf
- PÁNEK, Jiří. Jak sledovat 50 největších uprchlických táborů světa? Rozvojovka. Praha: Člověk v tísni, 2013, č. 4, s. 10. Available at: http://www.rozvojovka.cz/download/docs/220_lide-na-okraji-spolecnosti-4-2013.pdf
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- 2008 PÁNEK, Jiří. Virtuální projekt Mikoregionu Hranicko. ArcRevue: informace pro uživatele software ESRI a Leica Geosystems. Praha: Arcdata Praha, 2008, č. 1, s. 14. ISSN 1211-2135. Available at: http://www.arcdata.cz/digitalAssets/102462_ArcRevue1-08.pdf