

8th Central European Conference in Regional Science "Resilience of Cities and Regions in an Uncertain Time" November 21-23, 2022 Adam Mickiewicz University, Poznań, Poland

Conference Program

Central European Time Zone UTC+1 (Warsaw, Berlin, Budapest, Madrid, Rome, Paris)

Monday 21.11.2022	
13:00-13:30 CET	ROOM 1 OPENING CEREMONY
13:30-14:30 CET	ROOM 1 Keynote speaker: Jean-Claude Thill - University of North Carolina at Charlotte, USA Vulnerability and Resilience of Urban Regions: Contrasted Landscapes during a Pandemic Chair person: Daniela L. Constantin
14:30-14:45 CET	Coffee Break

14:45-16:15 CETParallel sessions 1A(1). Contemporary and future challenges for cities and regions: Are we ready for them?Chair person: Jean-Claude ThillROOM 1

<u>Presenter</u> , Authors Title		Title
1	<u>Justyna Danielewicz</u>	Management of metropolitan areas in Slovenia
2	<u>Anna Golędzinowska,</u> Marcin Zawada	Potential for renewable energy production in wastewater treatment plants' protection zones
3	Adrienn Reisinger	How can corporate social responsibility (CSR) help the local and regional economy and society to be ready for the
	-	challenges with international ideas?
4	Marek Nowak, Anna Bernaciak	New Center of Lubon. New quality or archipelago of enclaves?
5	Miklos Lukovics	Challenges of Connected and Autonomous Vehicles in Cities

K(1). Culture, tourism, health and education in an uncertain time

Chair person: Kornelia Polek-Duraj		ROOM 2
	<u>Presenter</u> , Authors	Title
1	Emilia Bogacka, Jan Hauke, Anna Tobolska,	Differentiation of students' attitudes towards e-learning during the COVID-19 pandemic in the poviats of Wielkopolska
	Justyna Weltrowska	region
2	Kornelia Polek-Duraj	Psychosocial working environment in the teaching profession (case study)
3	<u>Kornelia Polek-Duraj</u>	The impact of long-term distance learning on the education and upbringing of children in public primary schools
4	<u>Sergii laromenko</u>	Cultural heritage of Ukraine in Danger: Influence of Russian Invasion
5	Zsuzsa Koltai	The role of Baranya County nationality self-governments in community organization and preservation of ethnic culture

YSS(1) - Environmental and ecological issues

Chair person: Małgorzata Stępniewska	ROOM 3	
<u>Presenter</u> , Authors	Title	
1 Patryk Kaczmarek	Climate Change and Regional Policy: Interactions and Determinants in the Wielkopolska Region	
2 Agnieszka Pilarska	Environmental pollution and the health condition of the population of Polish towns	
3 <u>Daria Pieczka</u> , Dawid Abramowicz	Spatial policy and socio-cultural activity as drivers of ecological changes in an urbanised river catchment –example of the Junikowski Stream catchment, Poznań, Poland	
4 <u>Michał Jakiel</u>	How effective is the Buffer Zone? In the context of landscape changes and spatial planning a case study of selected national parks in Poland	

16:15-16:30 CET

16:30-18:00 CETParallel sessions 2A(2). Contemporary and future challenges for cities and regions: Are we ready for them?Chair person: Magdolna BenkeROOM 1Presenter, AuthorsTitle

	<u></u>	140
1	<u>Katarzyna Maj-Waśniowska,</u> Anna	Challenges for the finances of metropolitan cities in Poland in a turbulent environment - experiences after the COVID-19
	Wichowska	pandemic
2	<u>Grzegorz Kinelski</u>	Smart City 4.0 as a Set of Social Synergies in 4T Potencials theory.
3	Magdolna Benke	The role of vocational education and training institutions in reducing regional disadvantage in Hungary
4	<u>Sergii laromenko</u>	Ukraine in Geopolitical Border Area and 'Russian World' Concept

K(2). Culture, tourism, health and education in an uncertain time

Chair person: Anna Golędzinowska		ROOM 2
	Presenter, Authors	Title
1	<u>Sevi Malisiova</u> , Evangelia Stergiou, Stella Kostopoulou	Cultural vitality and tourism development in peripheral areas. Networking local festivals
2	<u>Annamaria Uzzoli</u>	COVID-19 epidemic waves in Hungary and their spatial distribution
3	Zsuzsa Koltai	Good practices of civil organizations in supporting nationality culture and community organization in Baranya County
4	Anna Golędzinowska, Maciej Ganczarek	Adaptation to climate change in the space of Polish seaside spas - is it possible to avoid a crisis?
5	<u>Emilia Bogacka,</u> Jan Hauke, Anna Tobolska, Justyna Weltrowska	Social attitudes of academic teachers towards the digitalization of education. The case of the Wielkopolska region, Poland

SH. Migration within and out of VISEGRAD regions

Chair person: Stephan Brunow	ROOM 3
Presenter, Authors	Title
1 Brigitta Németh, László Lőrincz	How Social Capital is Related to Migration Between Communities?
2 Martin Hulényi, Jan Fidrmuc, Nicolas Debars	y Impact of EU Integration on Development of Border Cities
 <u>Stephan Brunow</u>, Katarzyna Miszczak, Aleksandra Wrona 	Polish employees in Germany – a descriptive picture

Tuesday 22.11.2022

	9:00-10:30 CET	Parallel sessions 3
F(1).	Urban and regional development	
Chair person: Dora Szendi		ROOM 1
	Presenter, Authors	Title
1	<u>Balázs István Tóth</u>	Comparative Analysis of the EU-28 NUTS-2 Regions by the Level of Territorial Capital: Evidences from Central and
		Eastern Europe
2	Zhuoying You, Peter Teirlinck	Diversification and multi-level policy supports as enablers of specializations in green technologies at EU regional level
3	Jacek Chądzyński, Jagoda Adamus, Justyna	Obstacles in implementation of circular economy. Occurrence of market failure – case study of Lodz region
	Trippner-Hrabi	
4	Boris A. Portnov, Oleg Dashkevych	Smart city identification: emperical criteria
5	<u>Dora Szendi</u>	Spatial convergence in Central Eastern Europe (what the patterns of GDP show)

H. Innovation, entrepreneurship and regional competitiveness

Chair person: Barbara Dańska-Borsiak		ROOM 2	
	<u>Presenter</u> , Authors	Title	
1	<u>Magdolna Sass</u> , Andrea Szalavetz	Evolutionary paths in the automotive periphery and semi-periphery: the cases of Austria and Hungary compared	
2	Rachid Sadgui	Identification of spatial agglomerations in the Moroccan manufacturing industry	
3	Tomasz Kwiatkowski	Main axes of differentiation of cluster policies - dynamic approach	
4	<u>Barbara Dańska-Borsiak,</u> Maria M. Grzelak, Aleksandra Pleśniarska, Elżbieta Roszko- Wójtowicz	In Search of Key Determinants of Innovativeness in the Regions of the Visegrad Group Countries	
5	Magdolna Sass, Gabriella Tabajdi	Outward FDI in the automotive industries of the Visegrad countries and Austria compared Is it a sign of increased international competitiveness of indigenous companies?	

YSS(2) - Policies and geography of governance

Chair person: Adam Radzimski	ROOM 3	
<u>Presenter</u> , Authors	Title	
1 Petra Kinga Kézai	"When brothers work together, the mountains turn to gold." Sister cities network's development in Central-Eastern-	
	European regional centres	
2 <u>Dovydas Vidzbelis</u>	Territorial analysis of Lithuanian youth turnout (on the example of 2016-2020 parliamentary elections)	
3 <u>Jan Prener</u>	The Formation of Local Political Elites in the Post-transformation Period in the Czechia	
4 Paweł Bącal	The European Committee of the Regions and the question of representation	

10:30-10:45 CET

10:45-12:15 CET	Parallel sessions 4

ROOM 1

F(2). Urban and regional development

Chair person: Oto Hudec

Presenter, Authors

Title

1 Slavomír Ondoš, Žofia Sinčáková, Oto Hudec Advancement and new spatial patterns of the creative sector in the old industrial structure

2	Rachid Sadgui	Industrial policy and business geography in Morocco : towards a balanced territorial development
3	György Vida, Izabella Szakálné Kanó. Imre	Economic restructuring and concentration in the CEE regions between 2000 and 2018 based on Gross value added
	Lengyel	analysis
4	Krystian Heffner, <u>Piotr Gibas</u>	Regional centers vs. regional cohesion in Poland
5	María Gema Flores Polán, Luís Fernando De	Human development index and sustainable human development indices in the iberophone region. 2000-2020
	la Macorra Cano	

B(1). Cities and regions facing the economic crisis and global epidemic

Chair person: Gunther Maier		ROOM 2
	Presenter, Authors	Title
1	<u>Ştefana Belbe,</u> Codruța Mare, Darie Moldovan, Alin Andries	Space-time effects of Covid-19 on loans, savings and current accounts in Romania
2	Amitrajeet A. Batabyal, Hamid Beladi	City and Regional Demand for Vaccines Whose Supply Arises from Competition in a Bertrand Duopoly
3	Nóra Gombkötő, Katalin Mezei	International Trade in Food and Agro-based Products in the Time of COVID-19
4	Katarzyna Maj-Waśniowska, Anna	Impact of the Covid-19 on City Budget Revenue in Poland
	Wichowska	

YSS(3) - Economic geography

Chair person: Artur Ochojski	ROOM 3
Presenter, Authors	Title
1 <u>Tomáš Pitka</u> , Jozef Bucko	Segmentation of retail customers based on cluster analysis as a part of building successful CRM.
2 Katarzyna Hetmańczyk	Mechanisms of new path creation based on Industry 4.0 technologies providers in (post)mining towns and cities in Poland
3 <u>Tünde Olexó</u>	Measuring the Shadow Market Trends of the EUROSTAT COICOP 12 Regional Consumption Datasets by Applying the Konüs-index Using Mathematical Programming Languages
4 Martyna Burchardt	The effect of distance on the potential values formation
12:15-12:30 CET	Coffee Break

	12:30-13:30 CET	ROOM 1 Keynote speaker: Kostyantyn Mezentsev - Taras Shevchenko National University of Kyiv, Ukraine How many more people must die? Urban geopolitics and military urbicide Chair person: Tadeusz Stryjakiewicz
	13:30-14:00 CET	Mid-day Break
SD(4)	14:00-15:30 CET	Parallel sessions 5
• • •	r person: Reka Horeczki, Stefan Bilasco	ystem and creative industry in the development of regional centers ROOM 1
•	<u>Presenter</u> , Authors	Title
1	<u>Réka Horeczki</u> , Dóra Bálint, Judit Kálmán, Gábor Lux	Coworking places in Hungary during the Covid19 pandemic
2	<u>Magdalena Drăgan</u> , Réka Horeczki, Gabriela Munteanu	Comparative analysis of the digital policies in Romania and Hungary
3	Judit Berkes, Szilárd Rácz	Firm geography in Central European second tier cities
4	Zsuzsanna Zsibók, Ildikó Egyed	Productivity differences in two regional centres based on regional and firm-level evidence
	Cities and regions facing the economic cris r person: Raffaele Boffardi	is and global epidemic ROOM 2
	<u>Presenter</u> , Authors	Title
1	<u>Valeria Nemethova</u> , Eva Belvoncikova	Exploring efficiency at primary level of education. Data envelopment analysis of schools in Bratislava
2	<u>Czesław Adamiak</u> , Paweł Churski, Anna Dubownik, Maciej Pietrzykowski, Barbara Szyda	The internal periphery in the face of the economic crisis and global epidemic - selected findings from Poland
3	Natalia Rybnikova, <u>Dani Broitman</u> , Daniel Czamanski	Initial signs of post-Covid-19 urban structures? A metropolitan assessment in Israel
4	András Igari	Changing spatial patterns of excess mortality in Europe during the COVID-19 pandemic
5	<u>Raffaele Boffard</u> i, Roberta Arbolino, Luisa De Simone, Oreste Napolitano	Post-pandemic phase and Economic Convergence: the role of the National Plans for Recovery and Resilience in the 27 EU Member States

I. Spatial planning, sustainable development and ecological transition Chair person: Boris A. Portnov ROOM 3

onai		
	Presenter, Authors	Title
1	<u>Yujing Ma</u> , Eric Koomen, Dani Broitman	Accounting for rivalry in the local provision of ecosystem services in urban areas
2	<u>Marta Kubacka</u> , Antonio Ledda, Giovanna Calia, Maria Grazia Gavina Ruiu, Andrea De Montis	Italy vs Poland: a comparative analysis of planning system attitudes toward adaptation to climate changes and green infrastructures
3	Nahum M. Gabinet, <u>Boris A. Portnov</u>	Regional and Individual-level Differences in the Impact of Environmental Risk Factors on Sleep Duration and Quality in Urban Areas: Evidence from a Nation-wide Survey in Israel
4	<u>Marta Sylla</u>	The role of natural capital in sustainable regional development
	15:30-15:45 CET	Coffee Break
	15:45-16:45 CET	Parallel sessions 6
SD(2). The relationship between innovation ecos	system and creative industry in the development of regional centers
Chai	r person: Reka Horeczki, Stefan Bilasco	ROOM 1
	Procentor Authors	Titlo

	<u>Presenter</u> , Authors	Title
1	<u>Magdalena Drăgan,</u> Ștefan Cibian, Silvia	The digital divide and its mitigation in Romania
	Fierăscu, Ianis Rusitoru, Edi Beserman	
2	<u>Réka Horeczki</u> , Stefan Bilasco	The territorial characteristics of cultural and creative industries through the case of Pécs and Cluj-Napoca
3	Tamas Gyulai, Balázs Barta, Adrienn Bokán	i Urban planning and innovation with creativity for health and resilience

YSS(4) -	Social geography

Chair person: Stefan Rehak	ROOM 2	
Presenter, Authors	Title	
1 Julia Kaczmarek-Khubnaia	A community of outcasts – the impact of social exclusion on development processes in Georgia	
2 Sylwia Kuziemkowska	Social perception and awareness in the management of the renewable energy sector. An example of the Lipno poviat	
3 Jana Lukáčová, Daniela Hadačová	Do demographic indicators affect the expansion of non-profit organizations? Case study of Slovak districts	

16:45-17:00 CET

	17:00-18:00 CET	Parallel sessions 7
0. Tł	ne digital world, digital region and digital so	ciety
Chai	r person: Andrea Caragliu	ROOM 1
	<u>Presenter</u> , Authors	Title
1	<u>Štefan Rehák</u> , Oliver E. Rafaj	Geography of Smart City Research
2	Andrea Caragliu, Chiara F. Del Bo	Smart Cities and the urban digital divide
3	<u>Boglárka Barsi</u>	Adaptation of smart city models in rural areas
NP. F	Regional economics	
Chai	r person: Zoltán Gál	ROOM 2
	<u>Presenter</u> , Authors	Title
1	Zoltán Gál, Stefan Apostol	Role of Foreign Direct Investment in regional economic growth and regional pruductivity: The contradictory case of Central & Eastern Europe
2	Katarzyna Stabryła-Chudzio	European added value in the context of spending on cohesion policy from the EU budget
3	María Gema Flores Polán, Luís Fernando De la Macorra Cano	Economic convergence of the Southwest Iberian socio-economic area in Spain and Portugal
YSS(5) - Problems of rural areas	
Chai	r person: Tomasz Kossowski	ROOM 3
	<u>Presenter</u> , Authors	Title
1	Krystian Koliński	Rural areas in the light of the resilience concept
2	<u>Agata Lewandowska</u> , Justyna Chodkowska- Miszczuk	"In between giants" - the challenges of building resilience in the rural areas in the hinterland of two large urban centers
3	Andrea Pozsgai, Tamás Hardi	Land use change in Hungarian sample area (Szigetköz) and its effect on agrobiodiversity

Wednesday 23.11.2022

	9:00-10:30 CET	Parallel sessions 8
C. Ci	ties and regions in climate change	
Chai	r person: Amitrajeet A. Batabyal	ROOM 1
	<u>Presenter</u> , Authors	Title
1	<u>Mayanin Sosa-Alcaraz</u> , Alfonso Munguia-Gil, Perla Garrido-Vivas, Gustavo Monforte- Mendez	Resilience to climate change from bio-regional environmental education in Yucatan
2	Małgorzata Żak-Skwierczyńska	Challenges of energy transition of the post-coal region for local government units on the example of Belchatów region
3	Grzegorz Kinelski	The Sustainable Smart City Management: Selected Examples from Polish Metropolitan Areas
4	Urszula Bronisz	Climate proactivity as a factor fostering regional competitiveness and resilience
5	<u>Amitrajeet A. Batabyal</u> , Karima Kourtit, Peter Nijkamp	How Climate Change Affects the Ganges and Water Pollution by Tanneries in Kanpur

SA(1). Societies and borders - cooperation in the turbulent environment

Chair persons: Joanna Kurowska-Pysz, Tomasz	
Studzieniecki	

	Presenter, Authors	Title
1	<u>Joanna Kurowska-Pysz</u>	Cross-border cooperation in the shadow of crisis - the Turów coalmine case
2	<u>Tomasz Studzieniecki</u> , Beata Meyer	Determinants of territorial cooperation of national and ethnic minorities in the Baltic Sea Region
3	<u>Hynek Böhm,</u> Artur Boháč	The Turów dispute - perception of the locals
4	<u>Melinda Benczi</u>	Outlining the main perception strands on the Hungarian-Romanian border
5	Tomasz Studzieniecki, Abdelhamid Nechad,	International scientific cooperation in the turbulent environment -the case study of Economic and Social Development
	<u>Domagoj Cingula</u>	(ESD) project

G(1). Demography, migration and social inequalities

Chair person: József Lennert <u>Presenter</u> , Authors		ROOM 3
		Title
1	<u>Mihails Kozlovs</u>	The role of social innovation transfer through emigration and remittances analysis in the Baltic countries, 2015-2020
2	<u>József Lennert</u>	Creating spatially detailed demographic forecasts for Hungary using agent-based modelling – earlier results and ongoing updates
3	<u>Anja Rossen</u> , Jan Cornelius Peters, Moritz Meister	Welcome back! The impact of return initiatives on interregional return migration to rural regions
4	<u>Isaiah Juma Maket</u> , Izabella Szakálné Kano, Zsófia Boglárka Vas	Urban Agglomeration and Income Inequality: Is Kuznets Hypothesis Valid for Sub-Saharan Africa?
5	Anna Grzegorczyk	Mobility segregation throughout the lifetime among Warsaw inhabitants - patterns of segregation of lower social profile inhabitants

	10:30-10:45 CET	Coffee Break
	10:45-12:15 CET	Parallel sessions 9
	esilient Development as driving Force of ur	-
Chair	person: Rudolf Giffinger	ROOM 1
	<u>Presenter</u> , Authors	Title
1	Marta Szejnfeld, Magdalena Wdowicka,	, The role of green spaces in building a healthy, stress-resilient city
	Bogusz Modrzewski, Ewa Lechowska	
	Demianenko	Landscape approach to the organization of recreational urban spaces of Kyiv
3	Dóra Szendi, Géza Tóth, Zoltán Nagy	Comparative analysis of the complex resilience index - a Hungarian pilot study
4	Solomiia Tkach, Rudolf Giffinger	A smart indicator concept for postwar resilient development of Ukrainian cities
5	Agnieszka Dudzińska-Jarmolińska,	Community gardens and their contribution towards pro-climate activities as an element of social integration and motivation
	Magdalena Fuhrmann, Katarzyna Łatała	based on city of New York
	nd use, transport, mobility and accessibility	
Chair	person: Adam Radzimski	ROOM 2
	Presenter, Authors	Title
1	<u>Peter Džupka</u> , Marek Gróf, Radovan Dráb, Tomáš Štofa	Monitoring of barrier-free roads accessibility in the city using shared e-scooters data
2	Jerome Verny, Ouail Oulmakki, Dhaou Ghoul, Adeline Heitz, <u>Quoc-Thong Nguyen</u>	, Stakeholders engagment to enchance last-mile distribution in Paris area: an empirical investigation of B2B food distribution
3	Adam Radzimski	Evaluating the accessibility of social housing by sustainable travel modes: a study in Poznań, Poland
4	<u>Marek Gróf</u> , Peter Džupka, Tomáš Štofa, Radoslav Dráb	Location selection method for DRT utilisation based on the fixed transportation cost and effectiveness analysis
5	<u>Mojtaba Khanian</u> , Edyta Łaszkiewicz, Jakub Kronenberg	Are children's home-school routes green? An evaluation of green space visibility for primary school children in Lodz

12:15-12:30 CET

12:30-13:45 CET	Parallel sessions 10
6(2). Demography, migration and social inequalit	
Chair person: Bogdan-Constantin Ibanescu	ROOM 1
<u>Presenter</u> , Authors	Title
1 Bogdan-Constantin Ibanescu, Gabriela	A spatial model for the evolution of job insecurity during the first pandemic wave
Carmen Pascariu, Alexandra Gheorghiu,	
Mioara Cristea	
2 Judit Berkes	The location of the social 'elite' in urban areas of Hungarian regional centres
3 <u>Sindija Balode</u>	Divergent Population Dynamics: The Case of the Inner-City of Riga
SB(1). Smart, sustainable, resilient regions in tim	e of multiple and overlapping crises
Chair person: Romeo-Victor Ionescu	ROOM 2
Presenter, Authors	Title
1 Mahla Shojae Anari, Ákos Jakobi	Investigating the role of big data in smart city management Case Study: Tehran City
2 <u>Laura Patache</u> , Iuliana Pârvu, Claudiu Chiru	Digital resilience is the new normal of higher education: student and teacher perceptions from Romania
3 Andreea Matyas, Codruța Mare	Impact of Public Transportation on Labour Market and Development - A Spatial Perspective
13:45-14:15 CET	Mid-day Break
10.40-14.10 CL1	
14:15-15:15 CET	Parallel sessions 11
I. Rural regions and their development	
Chair person: Barbara Maćkiewicz	ROOM 1
<u>Presenter</u> , Authors	Title
1 Barraí Hennebry, Marina Novikova	Covid19 and 'Urban Exodus'. Evidence from house prices in rural Ireland
2 Brygida Klemens	"Smart village" concept in the development of rural areas
3 Katalin Lipták	The role of social enterprises in rural development of Hungary
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SB(2). Smart, sustainable, resilient regions in tim	
Chair person: Romeo-Victor Ionescu	ROOM 2
Presenter, Authors	Title
1 <u>Romeo-Victor Ionescu</u> , Monica Laura Zlati,	A new approach on renewable energy as a support for regional economic development among the European Union
Valentin-Marian Antohi, Irina Olimpia Susanu,	
Nicoleta Cristache	The second free between events and a fillence and the Cold State Cold State
2 <u>Bogdan-Constantin Ibanescu</u> , Gabriela	The connections between smartness and resilience on urban tourism destinations
Carmen Pascariu, Cristina Lupu, Ioana	
Bejenaru	Decision makens' noncention of the mailiance of Demonion regions. A sublicative insular
Bejenaru	Decision makers' perception of the resilience of Romanian regions. A qualitative inquiry

SG. Digital Entrepreneurs on the Pathways of Regional Development

Chair persons: Marcin Baron, Krzysztof Gwosdz ROOM 3

_	Presenter, Authors	Title
1	<u>Tamas Gyulai,</u> Balázs Barta, Attila Joós	Artificial Intelligence for Industry 4.0 by Learning Factories
2	Robert Szczepanek, Marcin Budka, Krzysztof	Challenges in collecting and analyzing data on digital entrepreneurs
	Gwosdz, Marcin Baron, Mariusz Hetmańczyk,	
	Agnieszka Sobala-Gwosdz	
3	Wojciech Dyba, Eleonora Di Maria	Digitalization of companies in Europe: barriers, supporting activities and the effects of the Covid-19 pandemic
		ROOM 1

	ROOM 1
15:30-16:00 CET	Open discussion
	Closing ceremony