# **PROGRAM**

13th WORLD CONGRESS OF THE RSAI

Virtual Conference MAY 25-28 2021

SMART REGIONS

- Opportunities for sustainable development in the digital era









# Welcome to the 13<sup>th</sup> RSAI Congress 25-28 May 2021

RSAI wish you a pleasant and inspiring participation!

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### Welcome to the 13th World Congress of the RSAI

Dear Friends and Colleagues,

It is our pleasure to welcome you to the 2021 RSAI World Conference! On behalf of the Regional Science Association International, the Local Organizing Committee, and the Scientific Committee, we would like to thank you for joining us at this historical meeting, and for sharing your experience, research and views with all the participants.

Organized by the Moroccan Section of the RSAI, the 2021 RSAI World Conference is intended to be a major international forum for researchers and policy-makers in the field of Regional Science across the world, focusing on today's most challenging issues. The World Conference brings together more than 500 participants from 53 different countries. The papers cover all major areas of the field, with applications for a wide range of regions in the globe.

Since we have decided that the congress would run 100% online, many colleagues from the Association have joined us in an extraordinary effort to organize a high standard, inclusive, online event. Recognizing the key role played by former RSAI President, Mark Partridge, we would like to extend our sincere gratitude and appreciation for the hard work and dedication provided by all of them.

Going online has shown to bring us some opportunities. We have contacted every single national section and invited them to propose special sessions dedicated to their countries/regions. We have received positive responses from almost all sections. This is really invigorating and motivating, further developing the sense of community belongingness that may motivate a larger number of young regional scientists to engage more broadly in the Association. We now have the opportunity to have a truly global conference, with the participation of many of RSAI sections!

This World Conference is a unique opportunity to showcase some of the exceptional work regional scientists are doing all over the world. There are 35 slots dedicated to 25 national sections, in addition to an even larger number of parallel sessions, and five outstanding keynote speakers.

Going online also made possible a wider participation across the world, allowing us to minimize the number of competing sessions, to allocate time slots with time zones in mind, and to reduce drastically registration fees.

We are pleased you were able to join us, and we wish you an excellent and memorable conference! Your participation and commitment to RSAI are very important and truly appreciated. In the next days, you will all have the opportunity to grab a big picture of our Association, being exposed to different topics and approaches people are using across the world.

Please receive our warmest welcome!



Eduardo Haddad President, Regional Science Association International



Abdellatif Khattabi Chair, Local Organsing Committee President, Moroccan Regional Science Association



Andrea Caragliu
Executive Director,
Regional Science Association
International

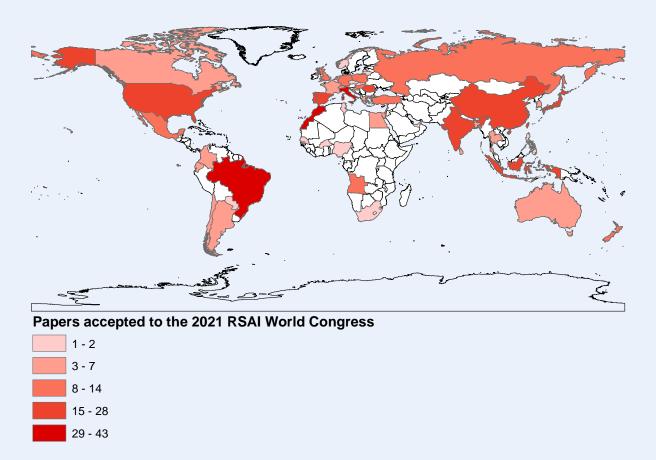
## **A truly World Congress**

On behalf of the Moroccan Regional Science Association (AMSR) and the Regional Science Association International (RSAI), it is our pleasure to welcome you all to the 13th World Congress of the RSAI.

This last year has brought well known troubles to the whole world. At the time we are writing these words, the worst pandemic in over a century is still exerting a major toll on our every lives, among which the need to resort to online scientific events such as the one we are joining between May 25 and 28, 2021.

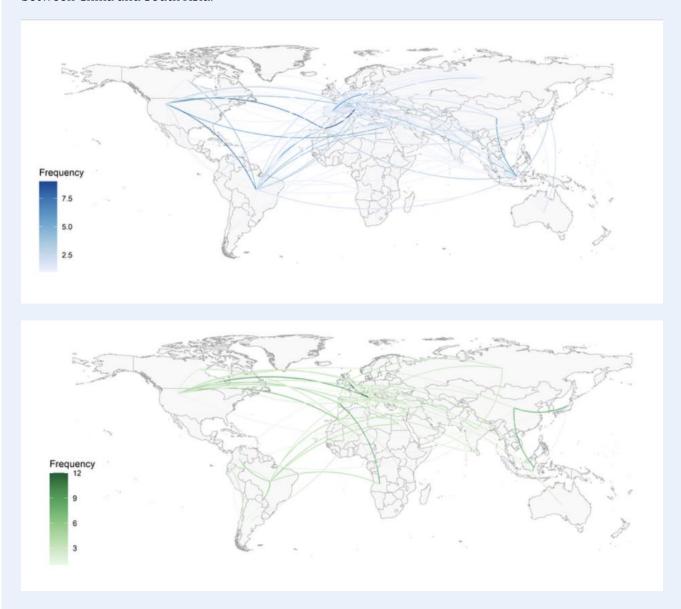
Yet, the RSAI took this as an opportunity to further broaden the geographical and disciplinary scope of our main global gathering. The map below shows the broad coverage of participants in this RSAI World Congress, as evidenced by the 53 Countries included in the program (proxied by Country of the institution of affiliation of the first author).

While older supranational sections (NARSC and ERSA) are as usual largely represented, we are very happy to report an important presence of PRSCO and LARSA national sections, too. Moreover, and this is among the main goals of this edition of the World Congress, we witnessed a positive feedback from many regional scientists located in African Countries where no national section of the RSAI is to date present. We hope this congess will sow seeds for the creation of new national sections, with the fundamental help of AMSR, presently the only national section active on the Contintent. In the medium run, hopefully a new supranational section will emerge, including all such new sections, while also coordinating their activites.



The RSAI World Congress is also a place of strong networking. In the next map, the intensity of coparticipation for authors presenting papers accepted to regular sessions of the congress is represented with blue lines, with increasing thickness showing more frequent interactions of presenters sharing the same sessions. Blue lines cross all oceans and suggest a high propensity of exchange of ideas among regional scientists all over the world.

The last map shows with green lines that an analogous message comes from interaction of authors presenting papers accepted in special sessions during the World Conference. The geography of interactions appears relatively different, with thicker lines connecting North America and Europe, and between China and South Asia.



Beyond the pre-existing networks, we wish this Congress to be an opportunity for all of you (us!) to open new nodes, and further diffuse our discipline.

Have a safe, interesting, and productive Congress!

The RSAI World Congress Organizing Committee

## **Programme Overview**

Tuesday, May 25, 2021	Wednesday, May 26, 2021	Thursday, May 27, 2021	Friday, May 28, 2021
			Session New Zealand 1 [05:30-07:00]
OPENING CEREMONY [08:30-09:00]			INTERVAL [07:00-09:00]
PLENARY SESSION I Keynote speech: <b>Tawfik Mouline</b> [09:00-09:30]			Session New Zealand 2 [9:00-10:30]
Parallel sessions 1	Parallel sessions 6	Parallel sessions 11	Parallel sessions 16
[09:30-10:45]	[09:30-10:45]	[09:30-10:45]	[09:30-10:45]
INTERVAL	INTERVAL	INTERVAL	INTERVAL
[10:45-11:00]	[10:45-11:00]	[10:45-11:00]	[10:45-11:00]
Parallel sessions 2	Parallel sessions 7	Parallel sessions 12	Parallel sessions 17
[11:00-12:15]	[11:00-12:15]	[11:00-12:15]	[11:00-12:15]
<b>LUNCH BREAK</b> [12:15-13:15]	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>
	[12:15-13:15]	[12:15-13:15]	[12:15-13:15]
Parallel sessions 3	Parallel sessions 8	Parallel sessions 13	Parallel sessions 18
[13:15-14.30]	[13:15-14.30]	[13:15-14.30]	[13:15-14.30]
INTERVAL	INTERVAL	INTERVAL	INTERVAL
[14:30-14:45]	[14:30-14:45]	[14:30-14:45]	[14:30-14:45]
PLENARY SESSION II	PLENARY SESSION III	PLENARY SESSION IV	PLENARY SESSION V
Keynote speech:	Keynote speech:	Keynote speech:	Keynote speech:
<b>Edward Glaeser</b>	<b>Ziqi Zheng</b>	<b>Isabelle Thomas</b>	<b>Alessandra Faggian</b>
[14:45-15:45]	[14:45-15:45]	[14:45-15:45]	[14:45-15:45]
INTERVAL	INTERVAL	INTERVAL	
[15:45-16:00]	[15:45-16:00]	[15:45-16:00]	
Parallel sessions 4	Parallel sessions 9	Parallel sessions 14	CLOSING CEREMONY
[16:00-17:15]	[16:00-17:15]	[16:00-17:15]	[15:45-17:15]
INTERVAL	INTERVAL	INTERVAL	
[17:15-17:30]	[17:15-17:30]	[17:15-17:30]	
Parallel sessions 5	Parallel sessions 10	Parallel sessions 15	
[17:30-18:45]	[17:30-18:45]	[17:30-18:45]	

NOTE: all hours in time zone (GMT+1).

## **Overview Parallel Sessions**

Tuesday, May 25, 2021										
ROOM	FIPE	NEREUS	Casablanca	Marrakech	Agadir	Fes	Essaouira			
09:30-10:45 Parallel sessions 1	SS49	SS51.1	RS01.1	RS02.1	RS03.1	RS12.1	SS18.1			
11:00-12:15 Parallel sessions 2	SS16.1	SS48.1	RS07.1	RS08.1	RS21.1	RS10.1	SS18.2			
13:15-14.30 Parallel sessions 3	SS43	RS14.4	R16.1	RS18.1	RS10.2	RS02.7	SS12.1			
16:00-17:15 Parallel sessions 4	SS55.1	SS56.1	RS15.1	RS14.1	RS06.1	RS09.1	SS12.2			
17:30-18:45 Parallel sessions 5	SS56.2	SS45.1	RS02.2	RS04	RS05	RS10.3	SS10			

Wednesday, May 26, 2021										
ROOM	FIPE	NEREUS	Casablanca	Marrakech	Agadir	Fes	Essaouira	Lagouira		
09:30-10:45 Parallel sessions 6	SS57	SS51.2	RS02.3	RS11.1	RS19.1	RS09.2	SS18.3	SS27		
11:00-12:15 Parallel sessions 7	SS16.2	SS48.2	RS03.2	RS15.2	RS14.2	RS10.4	SS18.4	SS28		
13:15-14.30 Parallel sessions 8	SS44	SS64	RS07.2	RS18.2	RS12.3	RS17.2	SS19.1	SS33		
16:00-17:15 Parallel sessions 9	SS55.2	SS58.1	RS06.2	RS21.2	RS09.3	RS10.5	SS19.2	SS23		
17:30-18:45 Parallel sessions 10	SS46	SS45.2	RS02.4	R16.2	RS18.4	RS10.6	SS01	SS38.1		

Thursday, May 27, 2021										
ROOM	FIPE	NEREUS	Casablanca	Marrakech	Agadir	Fes	Essaouira			
09:30-10:45 Parallel sessions 11	SS52	SS51.3	RS02.6	RS20	RS18.3	RS10.7	SS18.5			
11:00-12:15 Parallel sessions 12	SS22	SS53	RS02.5	RS15.3	RS06.3	RS09.4	SS18.6			
13:15-14.30 Parallel sessions 13	SS60	SS38.2	RS03.3	RS12.4	RS21.3	RS11.2	SS40.1			
16:00-17:15 Parallel sessions 14	SS54	SS58.2	RS22	RS19.2	RS08.2	RS12.5	SS40.2			
17:30-18:45 Parallel sessions 15	SS63	SS61	RS01.2	RS07.3	RS17.1	RS11.3	SS24			

Friday, May 28, 2021									
ROOM	FIPE	NEREUS	Casablanca I	Marrakech	Agadir	Fes	Essaouira	Lagouira	
								SS42.1 (05:30-07:00)	
09:30-10:45 Parallel sessions 16	SS31	SS51.4	RS14.3		RS09.5	RS10.9	SS36	SS42.2 (09:00-10:30)	
11:00-12:15 Parallel sessions 17	SS59	SS62	RS10.8	RS03.4	SS08	SS17.1	SS29		
13:15-14.30 Parallel sessions 18	SS41	SS65	RS03.5	RS13	RS01.3	SS17.2	SS09	RS15.4	

## **Instructions to Chairs, Presenters, and Discussants**

- 1. Sessions are will last 1 hour and 15 minutes. Please stick to the times shown in the program. Each presentation is assigned a specific time, all expressed in the GMT+1 zone (please be sure and check how this translates into your own time zone). If you have a no-show, use the time for a discussion of the proceeding paper(s) or for a recess. Please do not shift papers to fill voids, as individuals may want to attend a particular paper.
- 2. The majority of sessions have 3 papers. In 3 paper sessions, each presenter is allowed 18 minutes for presentation, followed by a 5 minutes discussion. In 4 papers session, each presenter is allocated 15 minutes, followed by 3 minutes discussion. In the few 5 paper sessions, each paper should be allocated 12 minutes, with about 10 minutes at the end of the session for generic questions.
- 3. Hold each individual to the time available. If a speaker continues after time has expired, please let her/him know that time has expired. The audience and the other speakers will respect and support your decision.
- 4. Because of the limited time available, the conference assumes no formal discussion to follow presentations. However, Chairs of each session are free to organize their sessions as refereed ones, i.e. sessions where papers are assigned a discussant. In this case, Session chairs are asked to please get in touch as soon as possible with the Authors of the papers of their sessions to verify their availability to have a discussant assigned to their papers.
- 5. The discussant, if any, should provide a 3-minute discussion of the paper's main merits and limitations, possibly suggesting ways to address them for future reference.
- 6. In case the session is refereed, please adjust presentation times accordingly so as to leave room for all presenters and related discussants.

#### **Themes**

#### **Umbrella Theme**

#### Smart Regions - Opportunities for sustainable development in the digital era

The themes which will zoom in particular on the pressing challenges of meeting the 2030 Agenda of Sustainable Development Goals, in both developed and developing economies. As a new challenge to regional science research is caused by the emerging digital technologies and their implications for analysis, monitoring, evaluation and forecasting of spatial dynamics at all levels, the theme chosen for the congress is 'Smart Regions- Opportunities for Sustainable Development in the Digital Era'. Therefore, the potential of spatial and temporal big data, machine learning, artificial intelligence, social media information, and of the new spatial maps emerging from digitization and robotization will be addressed by the congress as well, as these forces will have far-reaching impacts on human behaviour and interaction in space.

#### **General Themes**

RS01 - Entrepreneurship

RS02 - Infrastructure, transportation and accessibility

RS03 - Knowledge and innovation

RS04 - Local finance

RS05 - Location theory and applications

RS06 - Methods in Regional Science and Urban Economics

RS07 - Migration and regional labor markets

RS08 - Real estate and housing

RS09 - Regional and urban policy

RS10 - Regional development

RS11 - Rural development

RS12 - Spatial implications of climate and environmental change

RS13 - Spatial planning

RS14 - The spatial dimension of sustainable development

RS15 - Theoretical and empirical urban economics

RS16 - Tourism

RS17 - Globalization and territorial intelligence

RS18 - Resilience and Risk Management

RS19 - Green economy and complexity of socioecosystems

RS20 - Biodiversity, ecosystems and ecosystem services

RS21 - Agriculture, fisheries and food security RS22 - Nexus: water, agriculture and energy

### **Special Sessions' Themes**

SS01 - Alternatives for integrating development with infrastructure provision in the global South Manisha Jain and Jörg Knieling

SS08 - Subjective well-being and spatial inequalities

Camilla Lenzi and Giovanni Perucca

SS09 - Regional, national and supranational identities: determinants and policy implications Enrique López Bazo and Giovanni Perucca

SS10 - Regions and cities at the edge of the new technological era

Roberta Capello and Camilla Lenzi

SS12 - SMEs/Family Businesses and Regional Development

Lech Suwala, Rodrigo Basco and Stefano Amato SS16 - Smart, sustainable, resilient regions: Responses to pandemic challenges

Daniela L. Constantin and Cristina Serbanica SS17 - Data science, machine learning and big data for regional Sciences Jean-Claude Thill, Hicham Mharzi Alaoui, Said Lahssini and Hicham Hajji

SS18 - Urban Future in the Global South

Abdul Shaban and Tomaz Ponce Dentinho

SS19 - The spatial dimension of energy transition policies, practices and technologies

Andrea Caragliu and Marcello Graziano

SS22 - Regional Disparities in the EU and Hungary in the Age of Digitalization and the Pandemic Zoltán Gál

SS23 - Understanding the role of Renewable Energy in the Water, Agriculture, Energy Nexus in West and North Africa

Mariama Camara and Mary Thompson-Hall

SS24 - Education inequality and Economic development: a regional perspective

Amaghouss Jabrane and Ibourk Aomar

SS27 - Discontent, Hate & Intolerant Attitudes

Alessandra Michelangeli, Alessandra Faggian and Daria Denti

SS28 - Smart Actors for Smart Regions

Chiara Tagliaro and Gianandrea Ciaramella.

SS29 - Strengthening the resilience of socioecological systems

Sumana Bandyopadhyay, Lakhsmi Sivamakrishnan, Tomas Ponce Dentinho and Said Lahssini

SS31 - Regional Economic Development in Asia

Yuri Mansury and Budy Resosudarmo

SS33 - Plastic pollution and its environmental impact

Abdellatif Khattabi and Diane Pruneau

SS36 - Glocalization and Regional Development

Hideki Fukui and Shinya Ishizaka

SS38 - Resilience and peripheral areas: development patterns and policies in the borderlines

Karima Kourtit, Gabriela Carmen Pascariu, Ramona Tiganasu and Loredana Maria Simionov

SS40 - The productivity gap and the re-launch of productivity in Europe

Roberta Capello and Silvia Cerisola

SS41 - Regional perspective of the different global crisis for small countries in 21 century – case study of Croatia

Vinko Mustra

SS42 - Regional and urban resilience in a turbulent world: perspectives from Aotearoa New Zealand

Philip Morrison and Jacques Poot

SS43 - Advances in Regional Science: Contributions of Italian Scholars

Roberta Capello

SS44 - Mapping Co-Working Spaces: Spatial Patterns and Location Factors

Tüzin Baycan, Grzegorz Micek and Anastasia Sinitsyna

SS45 - Selected regional science topics in Mexico Serena Eréndira Serrano Oswald

SS46 - Poverty and Local Economy Development in Ecuador

Fabian Vilema

SS47 - Regional Development in Sub-Saharan Africa

Tomaz Ponce Dentinho

SS48 - Arctic regions: economic, climate and epidemiologic challenges

Alexander Pilyasov

SS49 - Sharing Economy and Urban Sustainability in Thailand

Sutee Anantsuksomsri and Nij Tontisirin

SS51 - Sustainable Regional Development in China

Ling Xue and Jian Wang

SS52 - Regional Science in Lebanon

Nadim Farajalla and Lina Maddah Souheil

SS53 - Regional Science in Egypt

Michael L. Lahr

SS54 - Regional Science in Paraguay

Eduardo A. Haddad

SS55 - Regional Science in Angola

Tomaz Ponce Dentinho

SS56 - The Colombian Economy and its Regional Structural Challenges

Jaime Bonet

SS57 - Regional Science in Bangladesh

Md. Musleh Uddin Hasan

SS58 - Argentinean social and economic challenges

Pedro Luis Elosegui

SS59 - Labour mobility and regional development

Annekatrin Niebuhr

SS60 - Greek Regional Science

Yannis Psycharis

SS61 - Brazil Regional Science

Terciane Sabadini

SS62 - Moroccan Regional Science

Abdellatif Khattabi

SS63 - Chilean Regional Science

Yasna Cortés Garriga

SS64 - Portuguese Regional Science

Francisco Carballo-Cruz

SS65 - Urban Neighborhoods: Accessibility,

Segregation, and Neighborhood Change

Neil Reid

#### **Conference Collaborators**



























## **Organizing Committee**

President, RSAI: Eduardo Haddad

Executive Director, RSAI: Andrea Caragliu

**Chair, Local Organising Committee**: Abdellatif Khattabi, President, Moroccan Regional Science Association

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Mohamed Sinane, Ecole Nationale Hassania des

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Roberta Capello, Politecnico di Milano

Rudiger Ahrend, OECD

Said Hajib, Centre National de Recherche

Forestièere

Serena Eréndira Serrano Oswald, National

Autonomous University of Mexico

Siqi Zheng, MIT

Sumona Banerjee, University of Calcutta

Terry Clower, George Mason University

Tomaz Dentinho, University of the Azores

Uwe Blien, Otto-Friedrich-University Bamberg

Vincente Royuela, University of Barcelona

Yacoubi Khebiza Mohamed, Université Cadi Ayyad

Marrakech

Yoshiro Higano, University of Tsukuba

# Day by day programme

Presenting authors are underlined All hours in time zone (GMT+1)

# Tuesday, 25 May 2021

### **OPENING CEREMONY**

08:30 - 09:00 Tuesday, 25th May, 2021 Room Marrakech

#### **Welcome Speeches**



**Eduardo Haddad**President, Regional Science
Association International



Abdellatif Khattabi Chair, Local Organsing Committee President, Moroccan Regional Science Association



Andrea Caragliu
Executive Director, Regional
Science Association International



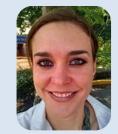
Neil Reid
NARSC Executive Director



**Andre Torre** ERSA President



Rachel S. Franklin
PRSCO President



Serena S. Oswald

LARSA President

## **PLENARY SESSION I**

09:00 - 09:30 Tuesday, 25th May, 2021 Room Marrakech

## **Keynote Speech**



Towards a new post-COVID-19 world

Mr. M. Tawfik Mouline General Director Royal Institute for Strategic Studies, Morocco

## **PARALLEL SESSIONS (1)**

# National Session: SS49 - Sharing Economy and Urban Sustainability in Thailand



09:30 - 10:45 Tuesday, 25th May, 2021 Room FIPE Chair Nij Tontisirin

#### 304 Emerging Patterns of Urban Public Spaces in the Sharing Economy

Shusak Janpathompong<sup>1</sup>, Akinobu Murakami<sup>2</sup>, Jirapatr Jitwattanasilp<sup>3</sup>, Nutnaree Jaruniphakul<sup>4</sup>, <u>Yanin</u> <u>Chivakidakarn Huyakorn</u><sup>1</sup>

<sup>1</sup>Chulalongkorn University, Thailand. <sup>2</sup>University of Tsukuba, Japan. <sup>3</sup>Urban Studies Lab, Thailand. <sup>4</sup>Regional, Urban, & Built Environmental Analytics, Thailand

## 308 Bangkokian's Commuting Mode Choice Behavior: Ready for a Shift towards Shared Mobility?

Eva Ayaragarnchanakul<sup>1,2</sup>, Felix Creutzig<sup>3,1</sup>, Nattapong Puttanapong<sup>4</sup>

<sup>1</sup>Sustainability Economics of Human Settlements, Technische Universität Berlin, Germany. <sup>2</sup>Faculty of Economics, Prince of Songkla University, Thailand. <sup>3</sup>Mercator Research Institute on Global Commons and Climate Change, Berlin, Germany. <sup>4</sup>Faculty of Economics, Thammasat University, Thailand

## From Sharing Economy to Peer-to-peer Accommodations: A Case Study of Thailand Sutee Anantsuksomsri<sup>1,2</sup>, Areen Phuntarakit<sup>2</sup>, Jean-Claude Thill<sup>3</sup>, Nij Tontisirin<sup>4</sup>

<sup>1</sup>Department of Urban and Regional Planning, Faculty of Architecture, Chulalongkorn University, Bangkok, Thailand. <sup>2</sup>Center of Excellence in Regional, Urban, & Built Environmental Analytics, Faculty of Architecture, Chulalongkorn University, Bangkok, Thailand. <sup>3</sup>Department of Geography & Earth Sciences, College of Liberal Arts & Sciences, University of North Carolina at Charlotte, USA. <sup>4</sup>Faculty of Architecture and Planning, Thammasat University, Pathumthani, Thailand

## 353 Walking distance in tropical-climate central business district during lunch time: A case study of Bangkok

Shusak Janpathompong<sup>1,2,3</sup>, Sutee Anantsuksomsri<sup>1,4</sup>, Akinobu Murakami<sup>3</sup>

<sup>1</sup>Regional, Urban, & Built Environmental Analytics, Faculty of Architecture, Chulalongkorn University, Thailand. <sup>2</sup>Department of Landscape Architecture, Faculty of Architecture, Chulalongkorn University, Thailand. <sup>3</sup>Graduate School of System and Information Engineering, University of Tsukuba, Japan. <sup>4</sup>Department of Urban and Regional Planning, Faculty of Architecture, Chulalongkorn University, Thailand

# 364 Co-evolution of Food Delivery Services and Restaurants in the Sharing Economy: A Case Study of Bangkok, Thailand

Yuri Mansury<sup>1</sup>, Sunattha Reangsirikan<sup>2</sup>, Supapitch Intarasut<sup>2</sup>, Sutee Anantsuksomsri<sup>2,3</sup>

<sup>1</sup>Lewis College of Science and Letters, Illinois Institute of Technology, USA. <sup>2</sup>Regional, Urban, and Built Environmental Analytics Research Unit, Faculty of Architecture, Chulalongkorn University, Thailand. <sup>3</sup>Department of Urban and Regional Planning, Faculty of Architecture, Chulalongkorn University, Thailand

# National Session: SS51.1 - Sustainable Regional Development in China



### 09:30 - 10:45 Tuesday, 25th May, 2021 Room NEREUS Chair Budy Resosudarmo

498 Multi-scale Coupling Governance: the experence of dealing with COVID-19 from China Xiaohua XIN, Lachang Lyu
Capital Normal University, China

The Evolution and Driving Mechanism of Urban Innovation Network in GBA Xiumin Li, Qianqian Chen, Furong Liang

Guangdong University of Technology, China

512 Measuring the Population Size of Cities in China

Yi Niu, Jinyu Wang

Capital University of Economics and Business, China

543 Urban Network Externalities and Economic Growth of Urban Agglomeration Regions in China

**Tieshan Sun, Hongming Zhang** 

School of Government, Peking University, China

#### Regular Session: RS01.1 - Entrepreneurship

09:30 - 10:45 Tuesday, 25th May, 2021 Room Casablanca Chair Marina Van Geenhuizen

Young high-tech firms and market introduction of sustainable energy solutions Marina Geenhuizen, Razieh Nejabat

Delft University of Technology, Fac. Technology, Policy and Management, Netherlands

Determinants of new firm formation in Japan: New methods for the analysis of entrepreneurship

Akira Kiminami<sup>1</sup>, Lily Kiminami<sup>2</sup>, Shinichi Furuzawa<sup>2</sup>

<sup>1</sup>The University of Tokyo, Department of Agricultural and Resource Economics, Japan. <sup>2</sup>Niigata University, Japan

174 Factors that influence on the enterprenuerial intention of unemployees in COVID-19 times

Grace Carolina Guevara-Rosero, Berrnardo Alquinga, Marcela Guachamin

Department of Quantitative Economics, Escuela Politécnica Nacional, Ecuador

315 Inter-organizational connectivity in the creative sector through the lens of proximity Petra Kecskes

Széchenyi István University, Hungary

# Regular Session: RS02.1 - Infrastructure, transportation and accessibility

09:30 - 10:45 Tuesday, 25th May, 2021 Room Marrakech Chair Evi Noor Afifah

#### 139 Crime and Chinese aid projects in Ghana

Michael Appiah-Kubi

School of Economics, Xiamen University, China

## Analysis on the rationality of infrastructure investment in Liaoning Province of China based on infrastructure-industry matching

Yinghui Xiang, Junyi Wu

Shenyang Jianzhu University, China

#### 418 Impact Evaluation of Vocational Training for People with Physical Disabilities on Employment Opportunities

Leni Marlina<sup>1</sup>, Evi Noor Afifah<sup>2</sup>

<sup>1</sup>Government of Rejang Lebong Municipal, Bengkulu, Indonesia. <sup>2</sup>Department of Economics, UNiversitas Gadjah Mada, Indonesia

#### 420 Education Expenditure and Economic Growth in Southeast Asia

Farisa Puspita Adila, Evi Noor Afifah

Department of Economics, Universitas Gadjah Mada, Indonesia

#### Regular Session: RS03.1 - Knowledge and innovation

09:30 - 10:45 Tuesday, 25th May, 2021 Room Agadir

#### **Chair Lily Kiminami**

Study on the Issues of Innovation in Japan's Rice Industry: Focusing on the strategy of market-creating innovation

<u>Lily Kiminami</u><sup>1</sup>, Shinichi Furuzawa<sup>1</sup>, Akira Kiminami<sup>2</sup>

<sup>1</sup>Niigata University, Japan. <sup>2</sup>The University of Tokyo, Japan

# 48 Effects of Inter-organizational Network on Social Enterprises: Analysis at Organizational Level in Japan

Shinichi Furuzawa<sup>1</sup>, Lily Kiminami<sup>1</sup>, Akira Kiminami<sup>2</sup>

<sup>1</sup>Niigata University, Japan. <sup>2</sup>The University of Tokyo, Japan

# 179 On the Working in border thinking to DIGITALIAN from "JIKOCHULIAN":An Empirical Analysis in "DIGITAL SOULFULLIAN" era

Kazuvoshi Hayama

JAPAN, Japan

#### 312 Regional Innovation Policy for Innovation Upgrading of Local SEMs

Hidenori Shigeno<sup>1</sup>, Taisuke Matsuzaki<sup>1</sup>, Yasushi Ueki<sup>2</sup>, Masatsugu Tsuji<sup>1</sup>

<sup>1</sup>Kobe International University, Japan. <sup>2</sup>IDE-JETRO, Japan

# Regular Session: RS12.1 - Spatial implications of climate and environmental change

09:30 - 10:45 Tuesday, 25th May, 2021 Room Fes Chair Hicham Alaoui

Machine learning application to predict forest fires ignition risk in the Mediterranean region (North-West Morocco)

Hicham Alaoui<sup>1</sup>, Assali Fouad<sup>1</sup>, Hicham Hajji<sup>2</sup>

<sup>1</sup>Climatic and Forest Risk Management Center, Morocco. <sup>2</sup>IAV, Morocco

An assessment of drought vulnerability among households with temporary migrant members and households without temporary migrant members: A comparative study across different income and social groups in rural India

**Badsha Sarkar** 

TERI School of Advanced Studies, India

341 Fiscal Policy for Combatting Climate Change: Evidence from Indonesia Mahpud Sujai

Fiscal Policy Agency, Ministry of Finance Indonesia, Indonesia

#### Special Session: SS18.1 - Urban Future in the Global South

09:30 - 10:45 Tuesday, 25th May, 2021

#### **Room Essaouira**

**Chair Abdul Shaban** 

166 Interdependencies between spatial planning and the mining laissez-passer in cities, the case of Ecuador

Karl Heinz Gaudry<sup>1,2</sup>, Danilo Ibarra<sup>1</sup>, Carla Carabajo<sup>1</sup>, Katty Marin<sup>1</sup>

<sup>1</sup>Instituto de Investigación Geológico y Energético (IIGE), Ecuador. <sup>2</sup>Centre for International Migration and Development (CIM/GIZ), Germany

269 Population Concentration, Socio-Economic Development and Perception of Corruption in the Capital of Latin American Countries

<u>Suzana Quinet Bastos</u>, <u>João Frederico Martins Baêta Guimarães</u>, <u>Fabio Gama</u> Federal University of Juiz de Fora, Brazil

271 Urban structure to determine a equitable regional growth towards human equity: case study in Chía-Bogota, Colombia

Vasco Barbosa<sup>1</sup>, Monica Suárez<sup>2</sup>, Jorge Cerdat<sup>3</sup>

<sup>1</sup>Associate professor, University of La Sabana, Engeniering Faculty, Colombia. <sup>2</sup>Professor, Colombian School of Engineering Julio Garavito, Colombia. <sup>3</sup>Associate professor, Geographic Engineering Department, University of Santiago de Chile, Chile

Overcoming marginality: grassroots redefinitions of urban futures in the late socialist Havana

Oskar Lubiński

University of Warsaw, Poland

565 IACOVID19 Vulnerability Index for Brazilian Municipalities: a machine learning application with Gradient Boosted Tree Method

Rogério Pereira<sup>1</sup>, Erick Sperandio<sup>2</sup>

<sup>1</sup>State University of Bahia, Brazil. <sup>2</sup>CIMATEC/SENAI, Brazil



## **Interval**

10:45 - 11:00 Tuesday, 25th May, 2021



National Session: SS16.1 - Smart, sustainable, resilient regions: Responses to pandemic challenges



11:00 - 12:15 Tuesday, 25th May, 2021 Room FIPE Chair Daniela L. Constantin

245 Connecting Smart Specialization, the Green Transition and Socio-Economic Resilience.
An Empirical Test

Cristina Maria Serbanica

Constantin Brancoveanu University, Pitesti, Romania. The Bucharest University of Economic Studies, Romania

**Economic Crisis and New Firm Creation in Romania. Insights from Static and Dynamic Spatial Panel Models** 

Zizi Goschin, Antonia Mihai, Horia Ţigău

Bucharest University of Economic Studies, Romania

**263** The impact of COVID 19 Pandemic on HEIs – response strategies from Romanian universities

Romana Emilia Cramarenco, Monica Burca Voicu

Babes Bolyai University, Cluj Napoca, Romania

295 New Firm Formation during Uncertainty. A Regional Analysis of Romanian Newborn Firms during 2020

Alina I. Popescu

The Bucharest University of Economic Studies, Romania

# National Session: SS48.1 - Arctic regions: economic, climate and epidemiologic challenges



### 11:00 - 12:15 Tuesday, 25th May, 2021 Room NEREUS Chair Roberto Camagni

#### 151 Fiscal Resilience of Russia's Regions

Anna Mikhaylova

Russian Presidential Academy of National Economy and Public Administration, Russian Federation. Institute For Public Finance Reform. Russian Federation

# 318 Between Path Dependence and Innovations: Determinants of Technological Entrepreneurship in the Russian Regions.

Stepan Zemtsov, Alexander Mikhaylov

Russian Academy of National Economy and Public Administration, Russian Federation

#### 320 Factors of small business development in Russia

Stepan Zemtsov, Yulia Tsareva

RANEPA, Russian Federation

# Regular Session: RS07.1 - Migration and regional labor markets

### 11:00 - 12:15 Tuesday, 25th May, 2021 Room Casablanca Chair Wahyuningtyas Puspitasari

#### 159 Effect of Tariff Liberalization on Mexico's Wage Differential

Mary Arends-Kuenning<sup>1</sup>, Kathy Baylis<sup>2</sup>, Rafael Garduño-Rivera<sup>3</sup>

 $^1\mbox{University}$  of Illinois at Urbana-Champaign, USA.  $^2\mbox{University}$  of California, Santa Barbara, USA.  $^3\mbox{Universidad}$  Panamericana, Mexico

#### 413 Aspiration of Migrants and Return to Human Capital Investment

Sucahyo Dwi Husada, Evi Noor Afifah

Economics Department, Universitas Gadjah Mada, Indonesia

## 416 Woman Should Not Be Afraid to Work: The Study of Maternal Employment's Impact on Children's Educational Achievement in Indonesia

Wahyuningtyas Puspitasari<sup>1,2</sup>, Evi Noor Afifah<sup>1</sup>

 $^1$ Department of Economics, Universitas Gadjah Mada, Indonesia.  $^2$ Provincial Government of the Special Region of Yogyakarta, Indonesia

#### 419 The Impact of Income Gap to Migration Decision in Indonesia

Nazala Svahru Rachmawati<sup>1</sup>, Evi Noor Afifah<sup>2</sup>

<sup>1</sup>Coordinating Ministry for Economic Affairs, Indonesia. <sup>2</sup>Department of Economics, Universitas Gadjah Mada, Indonesia

#### Regular Session: RS08.1 - Real estate and housing

#### 11:00 - 12:15 Tuesday, 25th May, 2021 Room Marrakech Chair Elena Semerikova

74 Redrawing of a housing market: Insurance payouts and housing market recovery in the wake of the Christchurch earthquake 2011

Dag Einar Sommervoll<sup>1</sup>, Ilan Noy<sup>2</sup>, Cuong Nguyen<sup>2</sup>, Fang Yaou<sup>3</sup>

 $^1$ Norwegian University of Life Sciences, Norway.  $^2$ Victoria University of Wellington, New Zealand.  $^3$ Reserve Bank of New Zealand, New Zealand

141 City augescens: when housing matters

Carlos Marques<sup>1,2</sup>, Cisbelia Cevadinha<sup>3</sup>

<sup>1</sup>ISCSP.UL, Portugal. <sup>2</sup>CIAUD.FAUL, Portugal. <sup>3</sup>Researcher - CIAUD.FAUL, Portugal

406 A Spatial Quantile Regression Analysis of Housing Prices in German Regions Elena Semerikova

National Research University Higher School of Economics, Russian Federation

460 A territorial housing cost overburden index: an exploratory approach for Portugal Paulo Batista<sup>1,2,3</sup>, João Marques<sup>1,2,3</sup>

<sup>1</sup>Universidade de Aveiro, Portugal. <sup>2</sup>Unidade de Investigação em Governança, Competitividade e Políticas Públicas (GOVCOPP), Portugal. <sup>3</sup>Grupo de estudos em território e inovação, Portugal

# Regular Session: RS21.1 - Agriculture, fisheries and food security

11:00 - 12:15 Tuesday, 25th May, 2021 Room Agadir Chair Roshini Jayaweera

212 Impact of Covid-19 on Food Security in Sri Lanka

Roshini Jayaweera, Padmakanthi NPD

University of Kelaniya, Sri Lanka

213 Agricuture and Food Security in Sri Lanka

Moksha Samarakoon, Roshini Jayaweera, Gunatilake M.M

University of Kelaniya, Sri Lanka

411 Impact of Subsidy and Credit Supports on Productivity of Marginal and Smallholder Rice Farmers: A Propensity Score Matching Approach

Md.Elias Hossain<sup>1</sup>, Md. Khairul Islam<sup>1</sup>, Md. Shamsuddin Sarker<sup>2</sup>

<sup>1</sup>Department of Economics, University of Rajshahi, Bangladesh. <sup>2</sup>Department of Economics, Southeast University, Banani, Dhaka, Bangladesh

#### Regular Session: RS10.1 - Regional development

11:00 - 12:15 Tuesday, 25th May, 2021 Room Fes Chair André Torre

15 Common goods and territorial development: reflections on governance issues Leila Kebir<sup>1</sup>, Frederic Wallet<sup>2</sup>

<sup>1</sup>University of Lausanne, Switzerland. <sup>2</sup>INRA-UPS, Switzerland

185 Cultural and Creative Cities and regional economic efficiency: Context conditions as catalyzers of cultural vibrancy and creative economy

Silvia Cerisola, Elisa Panzera

Politecnico di Milano, Italy

336 Towards sustainable and smart regional development: the case of Lithuanian regional policy

Violeta Kiurienė

Vilnius University Šiauliai Academy, Lithuania

479 Proximity analysis of local actors' coordination in the circular economic process A study case on methanisation based on social networks approach

André Torre<sup>1,2</sup>, Amadou Niang<sup>1,2</sup>, Sébastien Bourdin<sup>3</sup>

<sup>1</sup>University Paris Saclay, France. <sup>2</sup>INRAE, France. <sup>3</sup>Normandy Management School, France

#### Special Session: SS18.2 - Urban Future in the Global South

11:00 - 12:15 Tuesday, 25th May, 2021

#### **Room Essaouira**

#### **Chair Abdul Shaban**

Assessing watershed environmental vulnerability in climate change context: case of arid watershed from Moroccan Anti-Atlas

Said Lahssini, Abdellatif Khattabi

Ecole Nationale Forestière d'Ingénieurs, Morocco

123 Operationalizing disaster resilience in Northern Morocco: a comparative study of composite indicator effectiveness for measuring flood resilience

Satour Narjiss, Ilias Kacimi, Nadia Kassou

University Mohamed V, Morocco

392 Kigali and the secondary cities as a polycentric green structure for Rwanda Manlio Michieletto

University of Rwanda, Rwanda

490 Food Security and the post-pandemic city: Some perspectives from Lagos, Nigeria Taibat Lawanson, Oluwafemi Olajide

Department of Urban and Regional Planning, University of Lagos, Nigeria



## **PARALLEL SESSIONS (3)**

### National Session: SS43 - Advances in Regional Science: Contributions of Italian Scholars



#### 13:15 - 14:30 Tuesday, 25th May, 2021 Room FIPE Chair Roberta Capello

278 Space, Land Rent and Income Distribution

Roberto Camagni

Politecnico di Milano, Italy

260 Openness and regional growth

Laura Resmini

Università di Milano-Bicocca, Italy

258 Evaluation of the Effectiveness of Firm Subsidies in Lagging-Behind Areas: The Italian Iob

Augusto Cerqua, Guido Pellegrini

Department of Social Sciences and Economics, Sapienza University of Rome, Italy

367 Resilience and Convergence: Short vs. Long-Run. Regional Effects of Economic Crises and Macroeconomic Policies

<u>Fabio Mazzola</u>, Pietro Pizzuto

University of Palermo, Italy

# Regular Session: RS14.4 - The spatial dimension of sustainable development

13:15 - 14:30 Tuesday, 25th May, 2021 Room NEREUS Chair Andrea Salustri

152 Geospatial Technologies for Monitoring the Sustainable Development Goals

<u>Iozsef Benedek</u><sup>1</sup>, Kinga Ivan<sup>1</sup>, Ibolya Török<sup>1</sup>, Arnold Temerdek<sup>2</sup>, Iulian-Horia Holobâcă<sup>1</sup>

 $^1$ Research Centre for Sustainable Development, Babes-Bolyai University, Romania.  $^2$ AROBS Transilvania Software, Romania

223 Measuring the environmental impact of traffic growth on different periurban zones of a middle-sized city

Tamás Hardi<sup>1</sup>, Orsolya Farkas<sup>1</sup>, Katalin Hegyiné Bolla<sup>1,2</sup>

<sup>1</sup>Centre for Economic and Regional Studies Institute for Regional Studies, Hungary. <sup>2</sup>Széchenyi István University Doctoral School of Regional- and Business Administration Sciences, Hungary

294 Inequalities and sustainable development: towards the identification of a new interpretative model?

Andrea Salustri

Sapienza University of Rome, Italy

### **Regular Session: RS16.1 - Tourism**

13:15 - 14:30 Tuesday, 25th May, 2021 Room Casablanca Chair Leila Kebir

Do mobile devices renew urban tourism practices? The case of the Champs Elysees in Paris

Leila Kebir<sup>1</sup>, Marie Delaplace<sup>2</sup>

<sup>1</sup>University of Lausanne, Switzerland. <sup>2</sup>University Paris Est, Lab'Urba, France

331 COVID-19 and Guests' Preferences in Short-Term Rentals: Evidence from Madrid Alberto Hidalgo<sup>1</sup>, Massimo Riccaboni<sup>1</sup>, Armando Rungi<sup>1</sup>, Francisco J. Velázquez<sup>2</sup>

<sup>1</sup>IMT School for Advanced Studies Lucca, Italy. <sup>2</sup>Complutense University of Madrid, Spain

361 The Effects of Sectoral Shutdown on the Western Mediterranean Region Economy of Turkey

<u>Selim Çağatay</u><sup>1</sup>, **Zafer Barış Gül**<sup>1</sup>, **Mehmet Kula**<sup>2</sup>, **M. Şükrü Erdem**<sup>1</sup>, **Şebnem Arık**<sup>2</sup>

<sup>1</sup>Akdeniz University, Turkey. <sup>2</sup>-, Turkey

394 Determinants of attendees' expenditure: an analysis from a local economy point of view António Almeida, Luiz Machado

Faculty of Social Sciences-University of Madeira, Portugal

### Regular Session: RS18.1 - Resilience and Risk Management

13:15 - 14:30 Tuesday, 25th May, 2021 Room Marrakech Chair Paolo di Caro

- 32 Big Remotely Sensed Data application for fire severity and post-fire monitoring Hicham MHARZI ALAOUI¹, Assali Fouad¹, Said Lahssini², Said Moukrim³, Hicham Hajji⁴

  ¹Climatic and Forest Risk Management Center, Morocco. ²National Forestry School of Engineers, Morocco.

  ³Mohammed V University, Morocco. ⁴IAV, Morocco
- 93 Risk assessment of gully erosion by Multicriteria analysis (Rhéraya watershed Western High Atlas)

Farid El Wahidi, Aïcha Fadil

UCA, Morocco

94 Management of risk in tourism

Zakaria Adidi

Fsjes Souissi, Morocco

357 The role of the cohesion policy for sustaining the resilience of European regional labour markets during different crises

Paolo Di Caro<sup>1</sup>, Ugo Fratesi<sup>2</sup>

<sup>1</sup>Department of Law-University of Catania, Italy. <sup>2</sup>Politecnico di Milano, Italy

#### Regular Session: RS10.2 - Regional development

#### 13:15 - 14:30 Tuesday, 25th May, 2021 Room Agadir Chair Réka Horváth

3 Regional inequalities and decentralization in the Central and Eastern European countries

Tomasz Kossowski, Pawel Motek

Adam Mickiewicz University, Poland

7 European metropolises and its demographic problems: a spatial approach Tomasz Kossowski, Justyna Wilk

Adam Mickiewicz University, Poland

The unintended effects of cohesion policy: the wealthiest regions will further flourish in Romania

Réka Horváth, Tünde Petra Szabó

Babes-Bolyai University, Faculty of Economic Sciences and Business Administration, Romania

**257 Growth and Convergence of the Spanish Regions in the European Union Angel Martinez** 

Universidad Católica San Antonio en Murcia, Spain

# Regular Session: RS02.7 - Infrastructure, transportation and accessibility

13:15 - 14:30 Tuesday, 25th May, 2021 Room Fes

**Chair Bert van Wee** 

2 Impacts of the built environment and travel behaviour on attitudes: theories underpinning the reverse causality hypothesis

Bert Wee<sup>1</sup>, Jonas de Vos<sup>2</sup>, Kees Maat<sup>1</sup>

 $^1Delft\ University\ of\ Technology,\ Netherlands.\ ^2Bartlett\ School\ of\ Planning,\ University\ College\ London,\ United\ Kingdom$ 

45 High Speed Rail and Spatial Equity in Developing Countries: The Case of Turkish High-Speed Railways

Ahmet Bas<sup>1</sup>, Marie Delaplace<sup>2</sup>

<sup>1</sup>Abdullah Gul University, Turkey. <sup>2</sup>University Paris Est, Lab'Urba, France

206 Truck platooning technology diffusion: a micro-founded macroeconomic model with profitability condition and club effect

El Mehdi Aboulkacem

Université Gustave Eiffel, France

334 The 'Good Night' program: an innovative model for the solution of truck congestion in Israel

**David Bentolila** 

Ruppin Academic Center, Israel

# Special Session: SS12.1 - SMEs/Family Businesses and Regional Development

13:15 - 14:30 Tuesday, 25th May, 2021 Room Essaouira Chair Stefano Amato

471 Family firms, Regional Competitiveness and Productivity: A Multilevel Approach Stefano Amato

IMT School for Advanced Studies Lucca, Italy

189 Small Business Clinic: A data-driven diagnostic and advisory tool for SMEs in lagging regions

<u>George Petrakos</u>, <u>George Anastasiou</u>, <u>Alexandra Sotiriou</u>, <u>Dimitris Kallioras</u> University of Thessaly, Department of Planning and Regional Development, Greece

106 Sustainable strategic design in furniture MSEs in Uberlândia, Brazil <u>Fernando Moreira da Silva</u>, Juliana Cardoso Braga Lisbon School of Architecture, Portugal

The role of medium-sized firms and business size evolution in regional resilience Adrian Healy<sup>1</sup>, Nikos Kapitsinis<sup>2</sup>, Max Munday<sup>2</sup>, Annette Roberts<sup>2</sup>

¹Cardiff School of Geography and Planning, United Kingdom. ²Cardiff Business School, United Kingdom



### **PLENARY SESSION II**

14:45 - 15:45 Tuesday, 25th May, 2021 Room Marrakech

**Keynote Speech** 



The Survival Of The City

**Prof. Edward L. Glaeser** Harvard University, United States



## **Interval**

15:45 - 16:00 Tuesday, 25th May, 2021



## **PARALLEL SESSIONS (4)**

National Session: SS55.1 - Regional Science in Angola



16:00 - 17:15 Tuesday, 25th May, 2021 Room FIPE Chair Tomaz Dentinho

458 Youth Precarity and Resilience in Angola's Sub-Urban Settings <u>Jose Katito</u>, Josefina Castillero

Universidade Óscar Ribas, Angola

476 Typologies of Agriculture and the Decision to Invest in Family Farms. A Chi-Square Analysis

**Hélder Marcelino** 

Associação de Ciência Regional de Angola, Angola

478 Poor people on the outskirts of Luanda city in times of pandemic: social practices, hits and misses

Joaquim Calundungo

Universidade Agostinho Neto, Angola. Associação de Ciência Regional de Angola, Angola

480 Cultural Tourism in Angola and Local Development: A Reality or Still a Challenge? Ziva Domingos

School of Hospitality Management and Tourism of Agostinho Neto University, Angola

National Session: SS56.1 - The Colombian Economy and its Regional Structural Challenges



#### 16:00 - 17:15 Tuesday, 25th May, 2021 Room NEREUS Chair Jaime Bonet

80 Elasticities of Regional Total Factor Productivity in the Colombian Economy Carlos Espinel<sup>1</sup>, Eduardo Haddad<sup>2</sup>

<sup>1</sup>Federal University of São Carlos, Brazil. <sup>2</sup>University of Sao Paulo, Brazil

484 Revisiting the structural interdependence: a comparative analysis for Brazil, Colombia, and Mexico

Fernando Perobelli<sup>1</sup>, Geoffrey Hewings<sup>2</sup>

<sup>1</sup>Federal University of Juiz de Fora, Brazil. <sup>2</sup>University of Illinois at Urbana Champaign, USA

497 Regional Differences in the Economic Impact of Lockdown Measures to Prevent the Spread of COVID-19

Jaime Bonet<sup>1</sup>, <u>Diana Ricciulli</u><sup>1</sup>, Javier Pérez<sup>1</sup>, <u>Eduardo Haddad</u><sup>2</sup>, <u>Inacio Araujo</u><sup>2</sup>, <u>Fernando Perobelli</u><sup>3</sup>
<sup>1</sup>Banco de la República, Colombia. <sup>2</sup>Sao Paulo University, Brazil. <sup>3</sup>Universidade Federal de Juiz de Fora, Brazil

# Regular Session: RS15.1 - Theoretical and empirical urban economics

16:00 - 17:15 Tuesday, 25th May, 2021 Room Casablanca Chair Janet Kohlase

5 Smart Cities and the urban digital divide

Andrea Caragliu<sup>1</sup>, Chiara Del Bo<sup>2</sup>

<sup>1</sup>Politecnico di Milano, Italy. <sup>2</sup>Università degli Studi di Milano, Italy

286 A Political-Economy Perspective on Mayoral Elections and Urban Crime

Amit Batabyal<sup>1</sup>, Hamid Beladi<sup>2</sup>

<sup>1</sup>Rochester Institute of Technology, USA. <sup>2</sup>University of Texas at San Antonio, USA

292 The Silver Economy in European Cities

Carolina Foglia, Maria Laura Parisi, <u>Nicola Pontarollo</u>

University of Brescia, Italy

319 Evaluation of the complex indicators of Smart Cities

**Tamas Dusek** 

Szechenyi Istvan University, Hungary

# Regular Session: RS14.1 - The spatial dimension of sustainable development

16:00 - 17:15 Tuesday, 25th May, 2021 Room Marrakech Chair Itai Beeri

53 Central-Local Territoriality — But in Moderation: Are Boundary Commissions a Mechanism for Preserving and Minimizing Spatial Inequality?

Itai Beeri

University of Haifa, Israel

#### 90 Results Based Management: RBM: An Antidote to Program management

**Bongs Lainio** 

Cybermatic International, Canada

# 287 Does prior performance across SDGs relate to the success against COVID-19? A country-level analysis

Damla Benli, Arzu Ece Cetin, Gokcen Arkali Olcav

Gebze Technical University, Turkey

#### 528 Small area estimation of multidimensional poverty: the case of Cambodia

**Karina Acosta** 

Cornell University, USA

# Regular Session: RS06.1 - Methods in Regional Science and Urban Economics

16:00 - 17:15 Tuesday, 25th May, 2021 Room Agadir Chair Geoffrey Hewings

#### A note on the empirical identification of sub centralities within cities

**Carlos Azzoni**, Rodger Antunes

University of Sao Paulo, Brazil

# 71 Implications of General Relativity Theory for Regional Spatial Interaction Modeling <u>Laurie Schintler</u>, Kingsley Haynes, Rajendra Kulkarni George Mason University, USA

## 155 Enhancing Our Understanding of a Regional Economy: The Complementarity of CGE and EIO Models.

Andrew Crawley<sup>1</sup>, Geoffrey J.D. Hewings<sup>2</sup>

<sup>1</sup>University of Maine, Orono, USA. <sup>2</sup>REAL and University of Illinois, USA

#### 281 Cross-sectional Dependence in Gibrat's Law

Xieer Dai

The Hebrew University of Jerusalem, Israel

#### Regular Session: RS09.1 - Regional and urban policy

16:00 - 17:15 Tuesday, 25th May, 2021 Room Fes

Chair Patricia Peinado

#### 44 Public Pensions and Regional Distribution of Income

Patricia Peinado, Felipe Serrano

Universitu of the Basque Country UPV/EHU, Spain

#### 162 Effects of Covid-19 Crisis on Sustainable Development in Eu Regions

Daniela Antonescu<sup>1</sup>, Raluca Mirela Iordache (Antonescu)<sup>2</sup>

<sup>1</sup>Institute of National Economy, Romania. <sup>2</sup>The University of Bucharest Faculty of Geography Doctoral School, Romania

333 Accessibility and Social Networks in Family Adhesion to Social Housing: Evidence from a Brazilian Housing Lottery Case

<u>Patrick Nasser</u>, <u>Eduardo Haddad</u> University of São Paulo, Brazil

# Special Session: SS12.2 - SMEs/Family Businesses and Regional Development

16:00 - 17:15 Tuesday, 25th May, 2021 Room Essaouira Chair Lech Suwala

325 Rethinking Cultural Policy: The Role of the Cultural Industry and Small Manufacturing Companies

Salma Mhamed Hichri

University of Sfax- LAREQUAD, Tunisia

105 Cross-border cooperation from the perspective of cultural diversity

Lívia Ablonczy-Mihályka

Széchenyi István University, Hungary

254 Radical Entrepreneurship: Challenging Caste-Based Discrimination and Socio-Structural Constraints to Inclusion in Rural Bangladesh

**Grace Mueller** 

University of Edinburgh, United Kingdom. Cambridge Institute of Sustainability Leadership, United Kingdom. University of Texas at Austin, USA

444 Family firms and economic spaces - building bridges between family business and regional studies /science

Lech Suwala<sup>1</sup>, Rodrigo Basco<sup>2</sup>

<sup>1</sup>Technische Universität Berlin, Germany. <sup>2</sup>American University of Sharjah, UAE



## **Interval**

17:15 - 17:30 Tuesday, 25th May, 2021

## **PARALLEL SESSIONS (5)**

National Session: SS56.2 - The Colombian Economy and its Regional Structural Challenges



### 17:30 - 18:45 Tuesday, 25th May, 2021 Room FIPE Chair Jaime Bonet

## 505 Boiling Hot! Economy-wide Impacts of Climate Change on Colombian Coffee Yields Pedro Savon

University of São Paulo, Brazil

#### 509 Regional Economic Disparities in Colombia

<u>Andrea Otero</u>, Jaime Bonet, Luis Galvis, Javier Perez

Central Bank of Colombia, Colombia

## 510 Urban Travelers Go to the Beach: Regional Effects of Domestic Tourism in Colombia Eduardo Sanguinet<sup>1</sup>, Luis Galvis<sup>2</sup>, Inácio Araújo<sup>3</sup>, Eduardo Haddad<sup>3</sup>

<sup>1</sup>Universidad Austral de Chile, Chile. <sup>2</sup>Banco de la República, Colombia. <sup>3</sup>FIPE, Universidad de Sao Paulo, Brazil

# National Session: SS45 - Selected regional science topics in Mexico



#### 17:30 - 18:45 Tuesday, 25th May, 2021 Room NEREUS Chair Serena Serrano Oswald

## 332 The regional socio-economic outlook of Mexico: inequalities during the pandemic lockdown, 2020

**Carlos Bustamante-Lemus** 

National Autonomous University of Mexico-Institute for Economic Research, Mexico

#### 335 Economic crisis and responses of the Mexican states under the COVID-19 pandemic José Gasca-Zamora

National University Autonomous of Mexico-Institute for Economic Research, Mexico. President of Mexican Association in Sciences for Regional Development (AMECIDER), Mexico

## 338 Regional Economic Impacts in Mexico Caused by Floods on Agriculture: An Integrated Approach Via Spatial and CGE Modeling

<u>José Antonio León Torres</u><sup>1</sup>, Damares Lopes Afonso<sup>2</sup>, Guilherme Silva Cardoso<sup>3</sup>, Luiz Augusto Magalhães<sup>4</sup>, Tânia Moreira Alberti<sup>5</sup>

<sup>1</sup>Institute of Engineering, National Autonomous University of Mexico, Mexico. <sup>2</sup>Federal University of Juiz de Fora, Brazil. <sup>3</sup>Federal University of Minas Gerais, Brazil. <sup>4</sup>Catholic University of Brasilia, Brazil. <sup>5</sup>Federal University of Parana, Brazil

#### 350 The Lithium Issue: What Happened - What Happens - What Shall Happen?

<u>**Jorge Ramon Serrano Moreno**</u>

AMECIDER, Mexico. UNAM, Mexico

# Regular Session: RS02.2 - Infrastructure, transportation and accessibility

17:30 - 18:45 Tuesday, 25th May, 2021 Room Casablanca Chair Júlio Vicente Cateia

160 Infrastructure Investment, Funding Schemes, and Poverty Reduction: Evidence for Guinea-Bissau

<u>Iúlio Vicente Cateia</u><sup>1</sup>, Luc Savard<sup>2</sup>, Terciane Sabadini Carvalho<sup>3</sup>, Maurício Vaz Lobo Bittencourt<sup>3</sup>
<sup>1</sup>Université Laval, Canada. <sup>2</sup>Université de Sherbrooke, Canada. <sup>3</sup>Universidade Federal do Paraná, Brazil

327 A Spatial Mismatch Analysis for Curitiba Metropolitan Area based on Accessibility to Formal Jobs Indexes

Luiz Silva, Alexandre Porsse

Universidade Federal do Paraná, Brazil

428 Accessibility index to Italian universities

<u>Massimiliano Rossetti</u>, Greta Scolari, Mario Boffi, Matteo Colleoni University of Milano-Bicocca, Italy

#### **Regular Session: RS04 - Local finance**

17:30 - 18:45 Tuesday, 25th May, 2021 Room Marrakech Chair Maha Assaad Idrissi

The practices of the management control system at the level of local authorities in the era of advanced regionalization

Maha Assaad Idrissi<sup>1</sup>, Omar Taouab<sup>2</sup>, Youssra Oudda<sup>2</sup>

<sup>1</sup>L'ecole nationale de commerce et de gestion, Morocco. <sup>2</sup>IBN Tofail University, Morocco

321 The subnational crowding out effect of mining windfalls on local tax effort: Does the level of local provision of public goods matter?

Mauricio Ovarzo<sup>1</sup>. Dusan Paredes<sup>2</sup>

<sup>1</sup>School of Business Administration, Universidad de Concepción, Chile. <sup>2</sup>Department of Economics, Universidad Católica del Norte, Chile

436 Effects of banking concentration on micro and small firms in Brazil

Tyago Carmo, Santos Gervasio

Federal university of Bahia, Brazil

531 An Analysis of Impact of Microfinance in Alleviating Poverty: The Case of Sri Lanka
N.P Dammika Padmakanthi

Senior Lecturer, Department of Economics, University of Kelaniya, Sri Lanka

## Regular Session: RS05 - Location theory and applications

17:30 - 18:45 Tuesday, 25th May, 2021 Room Agadir Chair Graham Clarke

#### 65 Incorporating e-commerce into retail location models

**Graham Clarke** 

University of Leeds, United Kingdom

#### Location determinants and sustainability: an exploratory approach 190

<u>Iosep-Maria Arauzo-Carod</u>

ECO-SOS (Universitat Rovira i Virgili), Spain

#### 203 Spatial organisation of the innovative business in the urban area - new framework Maria Kubara

University of Warsaw, Faculty of Economic Sciences, Poland

#### Regular Session: RS10.3 - Regional development

17:30 - 18:45 Tuesday, 25th May, 2021

#### **Room Fes**

#### Chair Iuliana Cristofani

#### 229 The Geography of Manufacturing Productivity Shocks in Colombia

Carlos Eduardo Espinel Campos<sup>1</sup>, Eduardo Amaral Haddad<sup>2</sup>, Inácio Fernandes de Araújo Júnior<sup>2</sup> <sup>1</sup>Federal University of São Carlos, Brazil. <sup>2</sup>University of São Paulo, Brazil

#### 454 The routine tasks in labor markets and the gender wage gap in Brazil

Ana Abras, Giovana Cavaggioni Bigliazzi, Mônica Yukie Kuwahara Graduate Program in Economics (PPGE), Federal University of ABC (UFABC), Brazil

#### 465 China Shock and Female Labor Market Participation in Brazil

Juliana Cristofani, Ana Claudia Polato e Fava, Monica Yukie Kuwahara Federal University of ABC (UFABC), Brazil

## Special Session: SS10 - Regions and cities at the edge of the new technological era

17:30 - 18:45 Tuesday, 25th May, 2021

#### Room Essaouira

#### Chair Camilla Lenzi

#### European regions, resilience and labour dislocation in the age of the fourth industrial 300

Fabiano Compagnucci<sup>1</sup>, Andrea Gentili<sup>2</sup>, Enzo Valentini<sup>3</sup>, Mauro Gallegati<sup>4</sup>

<sup>1</sup>Gran Sasso Science Institute (GSSI), Social Sciences, Italy. <sup>2</sup>Università degli Studi Internazionali di Roma, Faculty of Economics, Italy. <sup>3</sup>Università degli Studi di Macerata, Department of Political Science, Communication and International Relations, Italy. 4Università Politecnica delle Marche, Department of Management, Italy

#### **Geographic Variations in Autonomous Vehicle Interest and Perceived Benefits 103**

**Elizabeth Mack** 

Michigan State University, USA

#### 183 Regional patterns of 4.0 technological transformation. Conceptual reflections and empirical evidence from European regions

Roberta Capello, Camilla Lenzi

Politecnico di Milano, Italy

#### How can Complexity Theory and Data Science assist Smart City Governance? A review 104 <u>Yiqiao Chen</u>, Elisabete Silva

University of Cambridge, United Kingdom

# Wednesday, 26 May 2021

## **PARALLEL SESSIONS (6)**

National Session: SS57 - Regional Science in Bangladesh



09:30 - 10:45 Wednesday, 26th May, 2021 Room FIPE Chair Md. Musleh Uddin Hasan

397 Prioritization Cities in Bangladesh for Bus Rapid Transit (BRT) Development

Bristi Basak, Md Musleh Uddin Hasan

Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh, Bangladesh

409 Economic Analysis of Solar Irrigation Pumps: Evidence from Northern Region of Bangladesh

Md. Tawhidul Islam<sup>1</sup>, Md. Elias Hossain<sup>2</sup>

<sup>1</sup>Department of Economics, Pabna University of Science and Technology, Pabna, Bangladesh. <sup>2</sup>Department of Economics, University of Rajshahi, Bangladesh

410 Environmental Amenity and Rental Value of Houses in Rajshahi City: A Hedonic Pricing Approach

Md. Abdus Sobhan, Md. Elias Hossain

Department of Economics, University of Rajshahi, Bangladesh

National Session: SS51.2 - Sustainable Regional Development in China



09:30 - 10:45 Wednesday, 26th May, 2021 Room NEREUS Chair Jacques Poot

514 Place-based Policies, Trade Cost, and Regional Convergence

Xuebing Dong, Ruonan Chi, Xilei Xu

Zhejiang University, China

518 Climate Suitability for Tourism in China in an Era of Climate Change: A multiscale analysis using a tourist defined holiday climate index

Dandan Yu

East China Normal University, China

# 524 Research on the Efficiency of Technological Innovation in Chinese Industrial Enterprises

**Yuting Li Shuyan Zhen** 

Northeast Normal University, China

# Regular Session: RS02.3 - Infrastructure, transportation and accessibility

#### 09:30 - 10:45 Wednesday, 26th May, 2021 Room Casablanca Chair Eko Wicaksono

#### 167 Closing regional infrastructure gaps in Indonesia

Fauziah Zen<sup>1,2</sup>, Riatu Mariatul Qibthiyyah<sup>3</sup>

<sup>1</sup>Economic Research Institute for ASEAN and East Asia, Indonesia. <sup>2</sup>University of Indonesia, Indonesia. <sup>3</sup>Institute for Economic and Research, University of Indonesia, Indonesia

# 363 Does Social-Distancing Save Lives?: The Impact of Social Distancing Measures on People Mobility and COVID-19 Cases in Indonesia

Bondi Arifin, Eko Wicaksono, Nugraheni Kusumaningsih

Fiscal Policy Agency, Indonesia

## 379 Negative Externalities from Port Development: Evidence from Marine Pollution in Indonesia

Muhammad Halley Yudhistira<sup>1,2</sup>, <u>Indra Degree Karimah</u><sup>3</sup>, Nadya Rahmi Maghfira<sup>1,2</sup>

<sup>1</sup>Institute for Economic and Social Research, Faculty of Economics and Business, Universitas Indonesia, Indonesia. <sup>2</sup>Cluster of Urban and Transportation Economics, Department of Economics, Universitas Indonesia, Indonesia. <sup>3</sup>Ministry of Transportation, Republic of Indonesia, Indonesia

#### Regular Session: RS11.1 - Rural development

#### 09:30 - 10:45 Wednesday, 26th May, 2021 Room Marrakech

#### Chair Charles Kofi Owusu

# 197 Renewable Minigrids for Rural Electrification in Ghana: Analysis of Households' Willingness to Pay

Artem Korzhenevych<sup>1,2</sup>, Charles Kofi Owusu<sup>2,3</sup>

<sup>1</sup>Leibniz Institute of Ecological Urban and Regional Development, Germany. <sup>2</sup>Technische Universität Dresden, Faculty of Business and Economics, Germany. <sup>3</sup>Kumasi Institute of Technology, Energy and Environment, Ghana

# 313 Livelihood Resilience and Coping Strategies of Selected Rural Households in Bangladesh during the COVID-19 Pandemic

<u>Farzana Faiza Farha</u><sup>1</sup>, Rifat Jahan Biva<sup>1</sup>, Maria Mehrin<sup>1</sup>, Mohammad Ashraf Ali<sup>1</sup>, Md. Musleh Uddin Hasan<sup>2</sup>, Nawshin Tabassum<sup>3</sup>, Paromita Shome<sup>3</sup>

<sup>1</sup>Undergraduate Student, Department of Urban and Regional Planning, Bangladesh University of Engineering and Technology (BUET), Dhaka-1000, Bangladesh. <sup>2</sup>Professor, Department of Urban and Regional Planning, Bangladesh University of Engineering and Technology (BUET), Dhaka-1000, Bangladesh. <sup>3</sup>Lecturer, Department of Urban and Regional Planning, Bangladesh University of Engineering and Technology (BUET), Dhaka-1000, Bangladesh

# 342 A Study of Promoting Mobile Broadband Adoption in African Developing Countries for Achieving SDGs.

Sobee Shinohara

KDDI Research, Inc., Japan

472 Use of Technology in the Rural Households of Bangladesh Having Migrant Members

<u>Tasnuva Zaman</u>, Md. Musleh Uddin Hasan, Neelopal Adri, Nawshin Tabassum

Department of Urban and Regional Planning, Bangladesh University of Engineering and Technology, Bangladesh

# Regular Session: RS19.1 - Green economy and complexity of socio-ecosystems

09:30 - 10:45 Wednesday, 26th May, 2021 Room Agadir Chair Yue Hua

17 Does global value chain engagement affect pollution: Evidence from Chinese firms Yue Hua<sup>1</sup>, Yue Lu<sup>2</sup>, Ruili Zhao<sup>3</sup>

<sup>1</sup>Hunan University, China. <sup>2</sup>China Institute for WTO Studies, University of International Business and Economics, China. <sup>3</sup>Shanghai University of International Business and Economics, China

143 Community Gardens and Urban Residents' Quality of Life (QOL): A Case Study from Shanghai, China

<u>Yingjie Ge<sup>1</sup></u>, Lily Kiminami<sup>2</sup>, Shinichi Furuzawa<sup>2</sup>

<sup>1</sup>Graduate School of Science and Technology, Niigata University, Japan. <sup>2</sup>Niigata University, Japan

221 Developing renewable electricity with carbon tax recycling mechanisms in the East Asia region

Yuventus Effendi, Budy Resosudarmo

Arndt Corden Department of Economics, Australia

339 The Role of NGO's in Shaping Indonesia's Climate Change Policies

Rakhmindyarto Rakhmindyarto

Fiscal Policy Agency, Indonesia

#### Regular Session: RS09.2 - Regional and urban policy

09:30 - 10:45 Wednesday, 26th May, 2021

#### **Room Fes**

#### Chair Noriko Horie

49 Contribution of Urban Facilities for Regional Sustainability through Museum-like Functions

Noriko Horie<sup>1</sup>, Kiyoko Hagihara<sup>2</sup>, Fumiko Kimura<sup>3</sup>, Chisato Asahi<sup>2</sup>

<sup>1</sup>Bukkyo University, Japan. <sup>2</sup>Tokyo Metropolitan University, Japan. <sup>3</sup>Soka University, Japan

228 On the Working of the SOULFULIAN on Risk Society: An empirical analysis of the KARAHORIAN, Osaka, Japan

Kazuyoshi Hayama

JAPAN, Japan

264 Place-based SME finance policy and local industrial revivals: An empirical analysis of a directed credit program after WW2

Keisuke Takano<sup>1</sup>, Hiroyuki Okamuro<sup>2</sup>

<sup>1</sup>University of Tsukuba, Japan. <sup>2</sup>Hitotsubashi University, Japan

377 The Influence of the Pandemic of Coronavirus Disease 2019 on the Use and Management of an Urban Park: A Case Study of the "Forest and Park for the 21st Century" in Matsudo, Chiba Prefecture

Tomovoshi Kodama<sup>1</sup>, Shigeto Yanai<sup>1</sup>, Yuri Kando<sup>2</sup>

<sup>1</sup>Chiba University Graduate School of Horticulture, Japan. <sup>2</sup>Tokyo Metropolitan Government, Japan

#### Special Session: SS18.3 - Urban Future in the Global South

09:30 - 10:45 Wednesday, 26th May, 2021

#### **Room Essaouira**

#### **Chair Abdul Shaban**

354 'Jugaad' and Social Network of Bengali-speaking Muslim migrant workers in Mumbai Debangana Baruah

Tata Institute of Social Sciences, Mumbai, India

426 The trajectory of planned urban development: A case study on Rajarhat- Newtown, Kolkata

**Angana Banerjee** 

India

430 Transculturation and collective identity in subaltern spaces: Urban dynamics of the ethnic enclaves of Chitpur Road formed by multi-ethnic diaspora.

Pritam Dey<sup>1,2</sup>, Paridhi Kedia<sup>3</sup>

<sup>1</sup>Master of urban Design-SPA DELHI, India. <sup>2</sup>Assistant professor-Anant National University., India. <sup>3</sup>masters of anthropology(pursuing), India

551 Impact of Urbanization on Micro Climate Change: A Case Study of Asansol city of West Bengal, India

Biswajit Ganai, Lakshmi Sivaramakrishnan

Jadavpur University, India

# Special Session: SS27 - Discontent, Hate & Intolerant Attitudes

09:30 - 10:45 Wednesday, 26th May, 2021

#### Room Lagouira

#### Chair Alessandra Michelangeli

451 The geography of discontent or the discontent of the people. Evidence from individual data for some European countries.

**Enrique López-Bazo** 

AQR-University of Barcelona, Spain

277 The urban-rural divide in anti-EU vote: Social, demographic and economic factors affecting the vote for parties opposed to European integration

Laura de Dominicis<sup>1</sup>, Lewis Dijkstra<sup>1</sup>, Nicola Pontarollo<sup>2</sup>

<sup>1</sup>European Commission, DG REGIO, Belgium. <sup>2</sup>University of Brescia, Italy

170 Electoral Earthquake: Natural Disasters and the Geography of Discontent

Augusto Cerqua, Chiara Ferrante, Marco Letta

Sapienza University of Rome, Italy

163 Inclusive Attitudes towards Immigrants in Europe: The Role of Preferences, Space, and Economic Outcomes

Riccardo Borgoni<sup>1</sup>, Dario Casamassima<sup>2</sup>, Caterina Liberati<sup>1</sup>, <u>Alessandra Michelangeli<sup>1,3,4</sup></u>

<sup>1</sup>DEMS, University of Milan-Bicocca, Italy. <sup>2</sup>University of Milan-Bicocca, Italy. <sup>3</sup>Center for European Studies, Italy. <sup>4</sup>CISEPS, Italy



## **Interval**

10:45 - 11:00 Wednesday, 26th May, 2021



## **PARALLEL SESSIONS (7)**

National Session: SS16.2 - Smart, sustainable, resilient regions: Responses to pandemic challenges



#### 11:00 - 12:15 Wednesday, 26th May, 2021 Room FIPE Chair Daniela L. Constantin

323 Remote working as driver for individual and organizational resilience in pandemic context

Alina Georgiana Profiroiu, Maria-Roxana Briscariu

Bucharest University of Economic Studies, Romania

368 Making communities resilient during the COVID-19 Pandemic. Who Complies with Social-Distancing rules? An analysis on the Metropolitan Area of Cluj-Napoca Alina Pavelea, Alexandru Pavel

Alina Pavelea, Alexanuru Pavel

Babeş-Bolyai University, Romania

The intriguing connections between regional tourism and economic resilience

Bogdan-Constantin Ibanescu<sup>1</sup>, Gabriela Carmen Pascariu<sup>1</sup>, Peter Nijkamp<sup>2</sup>, Karima Kourtit<sup>2</sup>

¹Centre for Interdisciplinary Research in European Studies, Faculty of Law, Alexandru Ioan Cuza University of Iasi, Romania. ²Open University, Heerlen, Netherlands

521 Smart Cities from Low Cost to Expensive Solutions. An Optimal Analysis

Romeo Ionescu<sup>1</sup>, Monica Laura Zlati<sup>2</sup>, Valentin-Marian Antohi<sup>1</sup>

<sup>1</sup>Universitatea Dunarea de Jos din Galati, Romania. <sup>2</sup>Stefan cel Mare University, Suceava, Romania, Romania

# National Session: SS48.2 - Arctic regions: economic, climate and epidemiologic challenges



### 11:00 - 12:15 Wednesday, 26th May, 2021 Room NEREUS Chair Peter Batey

372 How different patterns of urbanization affect regional innovation? Evidence from Russia

Sabyasachi Tripathi, Evgeniy Kutsenko, Victoria Boos

National Research University Higher School of Economics, Russian Federation

376 Radical Innovations and Industrial Structure of Regions: Insights from Russia

Evgeniy Kutsenko, Kirill Tyurchev, Vasily Abashkin, Ekaterina Ivanova

National research university Higher School of Economics, Russian Federation

417 The impact of international skilled migration on innovation resilience of Russian coastal regions

Andrey Mikhaylov<sup>1,2</sup>, Anna Lialina<sup>1</sup>, Daniil Maksimenko<sup>3</sup>

<sup>1</sup>Immanuel Kant Baltic Federal University, Russian Federation. <sup>2</sup>Institute of Geography RAS, Russian Federation. <sup>3</sup>Higher School of Economics, Russian Federation

### Regular Session: RS03.2 - Knowledge and innovation

#### 11:00 - 12:15 Wednesday, 26th May, 2021 Room Casablanca Chair Roberto Antonietti

199 Innovation for Sustainable Development in Poor Countries- Lessons from Ethiopia Raphael Bar-El<sup>1,2</sup>, Dafna Schwartz<sup>3</sup>, Jennifer Shkabatur<sup>3</sup>

<sup>1</sup>Ben-Gurion University, Israel. <sup>2</sup>Sapir Academic College, Israel. <sup>3</sup>Interdisciplinary Center (IDC), Herzliya, Israel

280 Key Enabling Technologies and the complexity of jobs, tasks, and skills in Emilia-Romagna

Roberto Antonietti<sup>1</sup>, Luca Cattani<sup>2</sup>, Francesca Gambarotto<sup>3</sup>, Giulio Pedrini<sup>4</sup>

<sup>1</sup>"Marco Fanno" Department of Economics and Management, University of Padova, Italy. <sup>2</sup>Department of Social and Political Sciences, University of Bologna, Italy. <sup>3</sup>Department of Philosophy, Sociology, Education & Applied Psychology Section of Sociology, University of Padova, Italy. <sup>4</sup>Faculty of Economics and Law, Kore University of Enna, Italy

Analysis on the Relationship between Human Capital Expansion and Export Product Diversification: Evidence from Chinese Industrial Enterprise

Jiayue Liu, Ying Hu

School of Economics, South-Central University for Nationalities, China

386 The formation mechanism of spatial agglomeration of urban cultural industry—case study on Chengdu City

Mingxia He

Sichuan University of Science & Engineering, China

# Regular Session: RS15.2 - Theoretical and empirical urban economics

#### 11:00 - 12:15 Wednesday, 26th May, 2021 Room Marrakech Chair Daniela-Luminita Constantin

91 Endogenous growth policies for lagging cities and regions

Danny Czamanski

Ruppin Academy, Israel

293 Long-term organization of urban growth in France (1800-2015). Which reality in time and space of stochastic processes "à la" Gibrat?

**Aureliz Lalanne** 

University of Bordeaux, France

302 Smart City - Resilient City: Synergies and Trade-Offs

Daniela-Luminita Constantin<sup>1</sup>, Cristina Serbanica<sup>2,1</sup>

<sup>1</sup>Bucharest University of Economic Studies, Romania. <sup>2</sup>Constantin Brancoveanu University of Pitesti, Romania

337 Faraway, So Close! The interregional trade between Spain and Morocco

Fatima El Khatabi, Carlos Llano

Universidad Autónoma de Madrid, Spain

# Regular Session: RS14.2 - The spatial dimension of sustainable development

11:00 - 12:15 Wednesday, 26th May, 2021 Room Agadir Chair Ekaterina Kadochnikova

89 The Moroccan protected area network toward the integration of biodiversity in territorial development

Said Hajib

Centre de Recherche Forestière, Morocco

154 Technology diffusion and consumption growth: identifying spatial effects Nailya Bagautdinova, Ekaterina Kadochnikova

Kazan Federal University, Russian Federation

225 Towards a circular development approach to integrate les bidonvilles within Casablanca

Oumkaltoum Boudouaya, Marcin Dabrowski

TU Delft. Netherlands

#### Regular Session: RS10.4- Regional development

11:00 - 12:15 Wednesday, 26th May, 2021 Room Fes Chair Zoltán Gál

Nature of Poverty and Inequality in Selected Asian and West African Countries

<u>Debasis Patnaik</u>, Pathik Gandhi, Roshan Nair

BITS Pilani K K Birla Goa Campus, India

157 Geoeconomics of transformation and economic bordering of Central and Eastern Europe

Zoltán Gál<sup>1,2</sup>, Szilárd Rácz<sup>1</sup>

<sup>1</sup>Centre for Economic and Regional Studies, Hungary. <sup>2</sup>University of Pécs, Hungary

Analysis on Human Capital Inequality between Regions in Indonesia with Alternative Human Development Index (AHDI) Approach

Kikin Windhani<sup>1,2</sup>, Tri Mulyaningsih<sup>2</sup>

<sup>1</sup>Universitas Jenderal Soedirman, Indonesia. <sup>2</sup>Universitas Sebelas Maret, Indonesia

423 Digital Innovation Hubs as new paradigm in Europe for digital ecosystem development in Smart Cities

**Tamas Gyulai** 

Doctoral School of Regional and Business Administration Sciences, Széchenyi István University, Győr, Hungary, Hungary

## Special Session: SS18.4 - Urban Future in the Global South

11:00 - 12:15 Wednesday, 26th May, 2021 Room Essaouira Chair Abdul Shaban

362 Onslaught of Urbanization and Anthropogenic activities on Kamwari River: Dying Rivers in the Global south

**Oneza Farid** 

Aqsa Women's Degree College, India

399 Sustainable urban mobility infrastructure in cities of the Global South: Evidence from Mumbai Metropolitan Region

Sanjukta Sattar

University of Mumbai, India

405 Migrants, Media and Urban Spaces in the Global South: Exploring Representation and Marginality

Manish K Jha<sup>1</sup>, M. Ibrahim Wani<sup>2</sup>

<sup>1</sup>Tata Institute of Social Sciences, India. <sup>2</sup>Institute of Kashmir Studies, University of Kashmir, India

508 Educational Intuitions in Bridging the Socio-Spatial Exclusions and Promoting Social Mobilities: A Study of Muslim and Dalits Women in Mumbai

Zinat Aboli

Mithibai College, University of Mumbai, India

### **Special Session: SS28 - Smart Actors for Smart Regions**

11:00 - 12:15 Wednesday, 26th May, 2021 Room Lagouira Chair Chiara Tagliaro

112 What's new for understanding and managing people's use of the built environment? Alice Pomè, Silvia Leoncini, Chiara Tagliaro

Politecnico di Milano, Italy

**25** Identikit of PROPTECH Players from Italy to Finland: Understanding the Real Estate

Alessandra Migliore<sup>1</sup>, Chiara Tagliaro<sup>1</sup>, Vitalija Danivska<sup>2</sup>, Silvia Leoncini<sup>1</sup>, Alice Pomè<sup>1</sup> <sup>1</sup>Politecnico di Milano, Italy. <sup>2</sup>Aalto University, Finland

26 **Location Analysis: New Perspectives for Real Estate Players** 

Chiara Tagliaro, Gianandrea Ciaramella

Politecnico di Milano, Italy



## **LUNCH BREAK**

12:15 - 13:15 Wednesday, 26th May, 2021



## **PARALLEL SESSIONS (8)**

National Session: SS44 - Mapping Co-Working Spaces: Spatial **Patterns and Location Factors** 



13:15 - 14:30 Wednesday, 26th May, 2021 **Room FIPE Chair Tüzin Baycan** 

Local variations of spatial colocation of creative industries and coworking spaces in 457 European metropolitan areas

Pavel Bednář<sup>1</sup>, Ilaria Mariotti<sup>2</sup>, Lukáš Danko<sup>1</sup>, Federica Rossi<sup>2</sup>

<sup>1</sup>Tomas Bata University in Zlin, Czech Republic. <sup>2</sup>Politecnico di Milano, Italy

504 Location Patterns and Spatial Distribution of Co-working Spaces in Istanbul

Meltem Parlak, Tuzin Baycan

Istanbul Technical University - City and Regional Planning, Turkey

530 Geographies of collaborative spaces in Poland

Grzegorz Micek<sup>1</sup>, Karolina Małochleb<sup>1</sup>, Katarzyna Wojnar<sup>2</sup>

<sup>1</sup>Jagiellonian University, Poland. <sup>2</sup>Centre for European Regional and Local Studies (EUROREG), University of Warsaw, Poland

511 Mapping Spatial Patterns of Co-working Spaces in Europe

Tüzin Baycan, Gülfiye Özcan Alp

Istanbul Technical University, Turkey

#### National Session: SS64 - Portuguese Regional Science



#### 13:15 - 14:30 Wednesday, 26th May, 2021 Room NEREUS Chair Francisco Carballo-Cruz

#### 562 Regional Value Chains: an input-output model application

Joao-Pedro Ferreira

University of Florida, USA. GOVCOPP, University of Aveiro, Portugal

#### 563 Regional Scientists in Portugal: An analysis of what they think they are

**Tomaz Dentinho** 

University of Azores, Portugal

#### 564 How to define Entrepreneurial Ecosystems?

João Leitão<sup>1,2</sup>, Sónia de Brito<sup>1</sup>

<sup>1</sup>University of Beira Interior, Portugal. <sup>2</sup>ICS, University of Lisbon, Portugal

#### 566 Space and Territory in the Context of Regional Development

Joao Lourenço Marques, Paulo Batista, Eduardo Castro

GOVCOPP, Dept. of Social, Political and Territorial Sciences, University of Aveiro, Portugal

#### 567 Thirty years of Regional Science in Portugal

Francisco Carballo-Cruz

Universidade do Minho and NIPE, Portugal

# Regular Session: RS07.2 - Migration and regional labor markets

### 13:15 - 14:30 Wednesday, 26th May, 2021 Room Casablanca Chair Vicente Royuela

#### 13 Market Potential with Regional Price Deflators

Bartlomiej Rokicki

University of Warsaw, Poland

# 207 An Italian good practice of inclusive teaching for migrant students in an intersectional perspective

Giovanna Filosa, Maria Parente

Inapp, Italy

#### 237 Spatial Heterogeneity in the Spanish Labour Market after the Great Recession

Jordi López-Tamayo, Raul Ramos, Vicente Royuela

AQR-IREA Resarch Group, Universitat de Barcelona, Spain

# 446 Uncovering the inter- and intra-regional heterogeneities in the minimum wage – employment relationship

Aleksandra Majchrowska<sup>1</sup>, Paweł Strawiński<sup>2</sup>

<sup>1</sup>University of Lodz, Poland. <sup>2</sup>University of Warsaw, Poland

### Regular Session: RS18.2 - Resilience and Risk Management

### 13:15 - 14:30 Wednesday, 26th May, 2021 Room Marrakech Chair Imane Boutahri

121 Flash Flood Hazard Diagnosis Based on Geomorphology, Hydrology and GIS Techniques (Case Study of Kert Basin, Morocco)

Imane Boutahri<sup>1</sup>, Larbi Barhazi<sup>2</sup>, Rachida El Morabet<sup>2</sup>, Taieb Boumeza<sup>1</sup>

<sup>1</sup>Faculty of Art and humanities, Morocco. <sup>2</sup>FLSH Mohammedia- Université Hassan II de Casablanca, Morocco

122 Diagnosis of the dams silting in the Mediterranean region in the context of climate change: "Case of the MBAK dam located in the Nekor watershed in North-East Morocco"

<u>Abderrahim Boukhari</u>, Hicham Alaqui<sup>2</sup>, Mustapha Naimi<sup>3</sup>, Chikhaoui Mohammed<sup>3</sup>

¹NOVEC, Morocco. ²Climatic and forest risk management center, Morocco. ³IAV, Morocco

303 Countries clustering in the context of the pandemic COVID-19

Carolina Guevara-Rosero

Departamento de Economía Cuantitativa, Ecuador

494 Managed retreat in the face of climate change: What influences buyouts of floodplain properties

Qing Miao<sup>1</sup>, Meri Davlasheridze<sup>2</sup>

<sup>1</sup>Rochester Institute of Technology, USA. <sup>2</sup>Texas A&M University at Galveston, USA

# Regular Session: RS12.3 - Spatial implications of climate and environmental change

13:15 - 14:30 Wednesday, 26th May, 2021 Room Agadir Chair Linda Jemily

- 52 Bedforms Characterization of the Bouregreg Estuary Using Remote Acoustic Technique Linda Jemily, Nadia Mhammdi, Amine Raki
  Institut Scientifique, Morocco
- Land use changes as a factor increasing the vulnerability of the municipality of El Faid to the impacts of climate change

Mohamed Koudsi, Abdellatif Khattabi

Ecole Nationale Forestiere D'ingenieurs, Morocco

87 Climate change impact on spatial distribution of Moroccan forest ecosystems

Said Moukrim<sup>1</sup>, Said Lahssini<sup>2</sup>, Hicham Alaoui<sup>3</sup>, Adnane Labbaci<sup>4</sup>, Laila Rhazi<sup>1</sup>

<sup>1</sup>Mohammed V University, Morocco. <sup>2</sup>National Forestry School of Engineers- Sale, Morocco. <sup>3</sup>Climatic and forest risk management center, Morocco. <sup>4</sup>Ibn Zohr University, Morocco

113 Assesing the economic impacts of siltation in the dam of Oued el Makhazine Widad Darif<sup>1</sup>, Abdellatif Khattabi<sup>2</sup>

<sup>1</sup>Département des Eaux et Forêts, Morocco. <sup>2</sup>Ecole Nationale Forestière d'Ingénieurs, Morocco

# Regular Session: RS17.2 - Globalization and territorial intelligence

#### 13:15 - 14:30 Wednesday, 26th May, 2021 Room Fes Chair Andrea Omizzolo

Analysis of the role of the social and solidarity economy in the development and territorial governance of a rural municipality

Redouane Elmkhayer, Abdellatif Khattabi

École Nationale Forestière D'ingénieurs, Morocco

115 Economic valuation of ecosystem services in Al Hoceima national Park

Youness Kasstib, Abdellatif Khattabi

Ecole Nationale Forestière d'Ingénieurs, Morocco

Open innovation, third place and Living Lab: state of the literature relating to the new generation of territorial development models

Elbroumi Soufiane, Eddelani Oumhani, Eddahmouny Hicham

FSJES FES, Morocco

117 Traditional and innovative monitoring methods and tools to improve the management of flows and 'over-tourism' in (world) natural and cultural heritage sites: the case study of the Dolomites UNESCO WHS

Andrea Omizzolo<sup>1</sup>, Dario Bertocchi<sup>2</sup>

<sup>1</sup>European Academy of Bolzano/Bozen (EURAC), Institute for Regional Development, Italy. <sup>2</sup>Ca' Foscari University, Italy

# Special Session: SS19.1 - The spatial dimension of energy transition policies, practices and technologies

13:15 - 14:30 Wednesday, 26th May, 2021

#### **Room Essaouira**

#### Chair Marcello Graziano

330 Networked regional urban systems, communities of interest or place? Investigating regional approaches and decentralization in renewable energy transitions of urban cities

**Christina Hoicka**, Jessica Conroy

York University, Canada

International collaboration in green energy technologies: Empirical evidence on OECD and BRIICs countries

Nicoletta Corrocher<sup>1</sup>, Maria Luisa Mancusi<sup>2</sup>

<sup>1</sup>ICRIOS - Bocconi University, Italy. <sup>2</sup>Università Cattolica, Italy

6 Energy efficiency-enhancing policies and firm performance: Evidence from the paper and glass industries in Italy

Andrea Caragliu

Politecnico di Milano, Italy

240 Spreading resilience: A spatial analysis of the benefits of hardening techniques for a troubled power grid

Marcello Graziano<sup>1,2</sup>, Adam Gallaher<sup>2</sup>, Maurizio Fiaschetti<sup>3</sup>

 $^1$ Southern Connecticut State University, USA.  $^2$ University of Connecticut, USA.  $^3$ University of Nottingham, United Kingdom

# Special Session: SS33 - Plastic pollution and its environmental impact

13:15 - 14:30 Wednesday, 26th May, 2021 Room Lagouira Chair Abdellatif Khattabi

19 Assessment of visitors' perception of solid waste pollution and their willingness to pay in the Al Hoceima National Park beaches

Abdellatif Khattabi, Zakia Rahmani

Ecole Nationale Forestière d'Ingénieurs, Morocco

72 Waste quantification (macro\_micro) in the beaches of the Al Hoceima National Park Zakia Rahmani, Abdellatif Khattabi

Ecole nationale forestière d'ingénieurs, Morocco

73 Potential impacts of Microplastics in the mediterranean marine environment: Al Hoceima bay case study

Oumayma Bouadil<sup>1</sup>, El Ouarghi Hossain<sup>1</sup>, Benomar Mostapha<sup>2</sup>, Benbrahim Samir<sup>2</sup>

<sup>1</sup>National School of Applied Sciences of Al Hoceima, Morocco. <sup>2</sup>National Institute for Fisheries Research, Tangier, Morocco

555 Solving a Plastic Pollution Problem While Creating Better Income for Marginalized Women

Diane Pruneau<sup>1</sup>, Abdellatif Khattabi<sup>2</sup>, Zakia Rahmani<sup>2</sup>

<sup>1</sup>Université de Moncton, Canada. <sup>2</sup>École Nationale Forestière d'Ingénieurs, Morocco

Interval

14:30 - 14:45 Wednesday, 26th May, 2021

#### PLENARY SESSION III

14:45 - 15:45 Wednesday, 26th May, 2021 Room Marrakech

### **Keynote Speech**



Air Pollution, Extreme Weather and Infectious Diseases: How Health Hazards Threaten Urbanites' Happiness and the Value of Consumer Cities

Prof. Siqi Zheng

Massachusetts Institute of Technology, United States



## **Interval**

15:45 - 16:00 Wednesday, 26th May, 2021



National Session: SS55.2 - Regional Science in Angola



16:00 - 17:15 Wednesday, 26th May, 2021 Room FIPE Chair Tomaz Dentinho

481 Regional Externalities of the Angolan Oil Industry: An Interregional Input-Output Analysis

<u>Cesar Pakissi</u> FEC-UJES, Angola

The Future of the Tourism Industry in Angola 'The Tourist Product Reflections'

Miguel Fernando

Universidade Agostinho neto, Angola

The Impact of Technological Innovation as an Instrument in the Angolan Manufacturing Industry.

**Miguel Fernando** 

Universidade Agostinho Neto, Angola

485 Tourism and Nature Conservation in the Huambo Province. An Analysis of Visitors Testimonials

Amália Chissoca

Instituto Superior de Ciências de Educação - Huambo, Angola

# National Session: SS58.1 - Argentinean social and economic challenges



### 16:00 - 17:15 Wednesday, 26th May, 2021 Room NEREUS Chair Pedro Luis Elosegui

548 Interprovincial trade in Argentina: main determinants

Pedro Elosegui<sup>1</sup>, Marcos Herrera<sup>2,3</sup>, Jorge Colina<sup>4</sup>

<sup>1</sup>BCRA, Argentina. <sup>2</sup>IELDE- UNSa, Argentina. <sup>3</sup>Conicet, Argentina. <sup>4</sup>IDESA, Argentina

549 Long-lasting effects of pandemics: The case of the 1918 influenza pandemic in Argentina

Fernando Antonio Ignacio González<sup>1</sup>, Juan Antonio Dip<sup>2</sup>, Silvia London<sup>1</sup>

<sup>1</sup>Instituto de Investigaciones Económicas y Sociales del Sur, Universidad Nacional del Sur/CONICET (IIESS, UNS-CONICET), Argentina. <sup>2</sup>Facultad de Ciencias Económicas. Universidad Nacional de Misiones, Argentina

Beyond the political or administrative definition of the Argentinean economic regions, do their provinces have a common economic cycle?

Facundo Sigal, Jorge Camusso, <u>Ana Inés Navarro</u>

Universidad Austral, Argentina

# Regular Session: RS06.2 - Methods in Regional Science and Urban Economics

16:00 - 17:15 Wednesday, 26th May, 2021 Room Casablanca Chair Peter Batey

438 Forms and consequences of distance asymmetry

Tamas Dusek, Petra Kecskes

Szechenyi Istvan University, Hungary

449 Effects of industrial agglomeration on the evolution of regional labor productivity (2010-2017)

André Luiz Silva<sup>1</sup>, Marcelo Bentes Diniz<sup>2</sup>

<sup>1</sup>Institute of Applied Social Sciences - Federal University of Pará (ICSA/UFPA), Brazil. <sup>2</sup>Graduate Program in Economics - Federal University of Pará, Brazil

## 488 Charles Booth and geodemographics: his London legacy in historical perspective Peter Batey

University of Liverpool, United Kingdom

## The Batey-Madden model: forty years and counting (or should that be multiplying?) Peter Batey

University of Liverpool, United Kingdom

# Regular Session: RS21.2 - Agriculture, fisheries and food security

### 16:00 - 17:15 Wednesday, 26th May, 2021 Room Marrakech Chair Sandy Dall'erba

#### 28 Exploitation of European hake at the Port of Larache of Morocco

<u>Chaimae El Bouzidi</u><sup>1</sup>, <u>Mounir Hassani Zerrouk</u><sup>2</sup>, <u>Said Benchoucha</u><sup>3</sup>, <u>Mohammed Bakkali</u><sup>1</sup>Faculté des Sciences et Techniques de Tanger, Morocco. <sup>2</sup>Multidisciplinary Faculty of Larache, Morocco. <sup>3</sup>Centre Régional de L'inrh, Tanger, Morocco

#### 220 IV-SDID: model and application

Sandy Dall'erba<sup>1</sup>, Bill Ridley<sup>1</sup>, Andre Chagas<sup>2</sup>, Yilan Xu<sup>1</sup> UIUC, USA. <sup>2</sup>U. Sao Paulo, Brazil

#### 466 Social capital determinants of local food system resilience

Shriya Rangarajan Cornell University, USA

#### Regular Session: RS09.3 - Regional and urban policy

16:00 - 17:15 Wednesday, 26th May, 2021 Room Agadir Chair Zeynep Elburz

#### 153 Urbanization and Human Development Index: Cross country evidence

Sabyasachi Tripathi

National Research University Higher School of Economics, Russian Federation

## 256 The Romanian Response to the COVID-19 Crisis: local, county or regional effort? A perspective on vaccination campaign

Elena Grad-Rusu, Antoanela-Paula Mureșan

Faculty of European Studies, Babeș-Bolyai University, Romania

# 440 Developing digital capacities from local perspective: the role of an extended supportive environment

Tamás Kaiser

University of Public Service, Hungary

#### 553 Determinants of Well-Being in the Turkish Provinces

Zeynep Elburz<sup>1</sup>, Karima Kourtit<sup>2</sup>, Peter Nijkamp<sup>2</sup>

<sup>1</sup>IZTECH, Turkey. <sup>2</sup>JADS, Netherlands

#### Regular Session: RS10.5 - Regional development

### 16:00 - 17:15 Wednesday, 26th May, 2021 **Room Fes** Chair Gabriel Lyrio de Oliveira

191 Spatial concentration of economic activities and regional export variety

Ticiana Grecco Zanon Moura<sup>1</sup>, Mauro Ferrante<sup>2</sup>

<sup>1</sup>Universidade Estadual de Santa Cruz, Brazil. <sup>2</sup>University of Palermo, Italy

Estimating the Local Government Spending Multiplier for Brazilian States: an Input-249 Output and a General Equilibrium Analysis

Raphael Fernandes, Eduardo Haddad

University of Sao Paulo (USP), Brazil

352 The Brumadinho dam rupture disaster in Minas Gerais (Brazil) and the productivity: regional economic impacts using a computable general equilibrium approach

Cláudio Eurico Seibert Fernandes da Silva<sup>1</sup>, Victor Eduardo de Mello Valério<sup>2</sup>, Rayan Wolf<sup>3</sup>, Thaís Diniz Oliveira<sup>4</sup>, Fernando Salgueiro Perobelli<sup>1</sup>

<sup>1</sup>Federal University of Juiz de Fora, Brazil. <sup>2</sup>Federal University of Itajubá, Brazil. <sup>3</sup>Federal University of Viçosa, Brazil. 4Instituto I17, Brazil

Long-term Effects of Conditional Cash Transfers on Children: The Brazilian Case 435

Gabriel Lyrio de Oliveira<sup>1</sup>, André Luís Squarize Chagas<sup>2</sup>

<sup>1</sup>NEREUS - University of São Paulo, Brazil. <sup>2</sup>University of São Paulo, Brazil

## Special Session: SS19.2 - The spatial dimension of energy transition policies, practices and technologies

16:00 - 17:15 Wednesday, 26th May, 2021

Room Essaouira

Chair Andrea Caragliu

110 The contribution of economic activity and energy consumption to CO2 emissions

Fernando Barreiro-Pereira, Touria AbdelkaderBenmesaud-Conde

Universidad Nacional de Educacion a Distancia, Spain

529 An Analysis of Socio Economics Factors that Affect to Use Energy Efficient Technologies in Household Sector: The Case of Sri Lanka

N.P Dammika Padmakanthi

Senior Lecturer, Department of Economics, University of Kelaniya, Sri Lanka

88 The spatial dimensions of greenhouse gas removal technologies to address climate change: a critical assessment

Nazmiye Balta-Ozkan<sup>1</sup>, Adrian Williams<sup>1</sup>, Khaled Abdou<sup>1</sup>, Pietro Goglio<sup>2</sup>

<sup>1</sup>Cranfield University, United Kingdom. <sup>2</sup>Wageningen University, United Kingdom

'Gone with the wind'. Organised crime and the geography of wind and solar farms in 429

<u>Davide Luca</u><sup>1</sup>, Alessio Romarri<sup>2</sup>

<sup>1</sup>University of Cambridge, United Kingdom. <sup>2</sup>University of Barcelona, Spain

## Special Session: SS23 - Understanding the role of Renewable Energy in the Water, Agriculture, Energy Nexus in West and North Africa

16:00 - 17:15 Wednesday, 26th May, 2021 Room Lagouira Chair Mariama Camara

120 Findings and Lessons of the ProGREEN Renewable Energy Assessment in Burkina Faso Lin Da

ProGREEN, Burkina Faso

118 Exploring Renewable Energy in Senegal: The ProGREEN West Africa Assessment Khoudia Kane

Direction des Financements verts et des Partenariats/Ministère de l'Environnement de l'Environnement et du Développement Durable, Senegal

119 Understanding Small-scale Renewable Energy Transitions in West Africa, the ProGREEN Project

Mariama Camara

START International, Burkina Faso



## **Interval**

17:15 - 17:30 Wednesday, 26th May, 2021



## **PARALLEL SESSIONS (10)**

National Session: SS46 - Poverty and Local Economy Development in Ecuador



17:30 - 18:45 Wednesday, 26th May, 2021 Room FIPE Chair Patricio Aroca

Determinants of manufacturing micro firms' productivity in Ecuador. Do industry and canton where they operate matter?

Carolina Guevara

Department of Quantitative Economics, Escuela Politécnica Nacional, Ecuador

525 Subnational poverty dynamics in developing countries: the cases of Ecuador and Uruguay

Obaco Moises<sup>1</sup>, Nicola Pontarollo<sup>2</sup>, Rodrigo Mendieta<sup>3</sup>

<sup>1</sup>Universidad Católica del Norte, Chile. <sup>2</sup>Department of Economics and Management University of Brescia, Italy. <sup>3</sup>GIER, Universidad de Cuenca, Ecuador

Post-earthquake short-run labor income shifts. What happens with the distribution of wages after an Earthquake?

César Andrés Mendoza<sup>1</sup>, Benjamin Jara<sup>2</sup>

<sup>1</sup>Universidad de Cuenca, Ecuador. <sup>2</sup>Gran Sasso Science Institute, Italy

527 Oil royalties and multidimensional poverty in Ecuador: Have the extraction regions improved their living standards?

<u>Viviana Carriel</u><sup>1</sup>, César Andrés Mendoza<sup>2</sup>, Nicola Pontarrollo<sup>3</sup>, Rodrigo Mendieta<sup>2</sup>

<sup>1</sup>Universidad Católica de Cuenca, Ecuador. <sup>2</sup>Universidad de Cuenca, Ecuador. <sup>3</sup>Department of Economics and Management University of Brescia, Italy

# National Session: SS45.2 - Selected regional science topics in Mexico



### 17:30 - 18:45 Wednesday, 26th May, 2021 Room NEREUS Chair Serena Serrano Oswald

464 Sustainable Community Development through the Perspective of a Type B Company: Yucatan, Mexico Case Study

<u>Mayanin Sosa Alcaraz</u>, Adriel Elí Cáceres Ruiz, Gustavo Monforte Mendez, Andres Pereyra Chan Tecnológico Nacional de México/Instituto Tecnológico de Mérida, Mexico

The role of Public management in the promotion of intelligent tourist destination: the challenge for Cozumel, Quintana Roo, Mexico

Alex Adiel Cano Herrera, <u>Crucita Aurora Ken</u>

University of Quintana Roo, Mexico

356 Gender Based Political Violence against Women in Mexico: A Multidisciplinary Research Model Proposal

Serena Eréndira Serrano Oswald

CRIM-UNAM, Mexico

# Regular Session: RS02.4 - Infrastructure, transportation and accessibility

17:30 - 18:45 Wednesday, 26th May, 2021 Room Casablanca Chair Jean-Claude Thill

59 A grand transport infrastructure for Grand Casablanca

Alex Anas<sup>1</sup>, Sayan DeSarkar<sup>1</sup>, Govinda Timilsina<sup>2</sup>

<sup>1</sup>SUNY at Buffalo, USA. <sup>2</sup>World Bank, USA

The System of Seaports in the Southern African Cone: Hinterlands and Shippers Choices <u>Jean-Claude Thill</u>

University of North Carolina at Charlotte, USA

244 Subway expansion, jobs accessibility improvements and home value appreciation in four global cities: Considering both local and network effects

Adriano Borges Costa, Camila Ramos, Siqi Zheng

MIT Center for Real Estate, USA

305 Emissions impact of port activities on air quality and public health: Evidence and implications for environmental justice

**Yeonkyeong Park** 

Cornell University, USA

#### **Regular Session: RS16.2 - Tourism**

17:30 - 18:45 Wednesday, 26th May, 2021 Room Marrakech Chair Éva Happ

92 Sustainable measures in hotels analysed from the demand side

Éva Happ, Júlia Nagy-Keglovich

Széchenyi István University, Hungary

147 Spatial mobility and cruise passengers' expenditure: an investigation using GPS technology

Mauro Ferrante<sup>1</sup>, Caterina Sciortino<sup>2</sup>, Stefano De Cantis<sup>2</sup>, Szilvia Gyimóthy<sup>3</sup>

<sup>1</sup>Department of Culture and Society - University of Palermo, Italy. <sup>2</sup>Department of Economics, Business and Statistics, University of Palermo, Italy. <sup>3</sup>Department of Marketing, Copenhagen Business School, Denmark

349 Covid-19 and the silence in the street: regional economic impacts of a Brazil without carnival

<u>Cláudio Eurico Seibert Fernandes da Silva</u><sup>1</sup>, Thaís Diniz Oliveira<sup>2</sup>, Rayan Wolf<sup>3</sup>, Fernando Salgueiro Perobelli<sup>1</sup>, Victor Eduardo de Mello Valério<sup>4</sup>

<sup>1</sup>Federal University of Juiz de Fora, Brazil. <sup>2</sup>Instituto I17, Brazil. <sup>3</sup>Federal University of Viçosa, Brazil. <sup>4</sup>Federal University of Itajubá, Brazil

393 Rural development and rural tourism: evidence from Madeira

António Almeida, Luiz Machado

Faculty of Social Sciences-University of Madeira, Portugal

### Regular Session: RS18.4 - Resilience and Risk Management

#### 17:30 - 18:45 Wednesday, 26th May, 2021 Room Agadir Chair Abdellatif Khattabi

20 Analysis of droughts and their impacts on the natural and socio-economic environments of the rural community of El Faid

Abdellatif Khattabi, Mohamed Koudsi

Ecole Nationale Forestière d'Ingénieurs, Morocco

297 A Probabilistic Assessment of Economic Impacts Caused by Earthquakes by Using Seismic Risk Models and Spatial CGE Modeling

José Antonio León Torres<sup>1</sup>, Mario Ordaz<sup>1</sup>, Eduardo Haddad<sup>2</sup>, Inácio Araújo<sup>2</sup>

<sup>1</sup>Institute of Engineering, National Autonomous University of Mexico, Mexico. <sup>2</sup>Department of Economics, University of Sao Paulo, Brazil

Health Interventions in a Poor Region and Resilience in the Presence of a Pandemic Amit Batabyal<sup>1</sup>, Hamid Beladi<sup>2</sup>

<sup>1</sup>Rochester Institute of Technology, USA. <sup>2</sup>University of Texas at San Antonio, USA

495 The Persistent Effects of Natural Disasters on Opioid Deaths

Meri Davlasheridze<sup>1</sup>, Stephan Goetz<sup>2</sup>

<sup>1</sup>Texas A&M University at Galveston, USA. <sup>2</sup>The Pennsylvania State University, USA

#### Regular Session: RS10.6 - Regional development

17:30 - 18:45 Wednesday, 26th May, 2021

#### **Room Fes**

#### Chair Monica Cardozo

Trade reform, sectoral spillovers, and poverty reduction: Evidence for Guinea-Bissau <u>Júlio Vicente Cateia</u><sup>1</sup>, Maurício Vaz Lobo Bittencourt<sup>2</sup>, Terciane Sabadini Carvalho<sup>2</sup>

<sup>1</sup>Université Laval, Canada. <sup>2</sup>Universidade Federal do Paraná, Brazil

314 Services Value Added in Exports: A Comparative Analysis between Brazil and the United Kingdom from 2000 to 2014

Jovce Silva, Fernando Perobelli

Universidade Federal de Juiz de Fora, Brazil

316 Services international trade and economic development: 2004 to 2014

<u>Iovce Silva</u>, Fernando Perobelli

Universidade Federal de Juiz de Fora, Brazil

404 Trade with China: trade basket and economic growth in Latin America

Márcia Jucá Teixeira Diniz<sup>1</sup>, Monica Liseth Cardozo<sup>2</sup>, Julio César Arteaga<sup>3</sup>

<sup>1</sup>Federal University of Pará, Applied Social Science Institute, Brazil. <sup>2</sup>Universidad de Monterrey, Mexico.

<sup>3</sup>Universidad Autónoma de Nuevo León, Facultad de Economía, Mexico

# Special Session: SS01 - Alternatives for integrating development with infrastructure provision in the global South

### 17:30 - 18:45 Wednesday, 26th May, 2021 Room Essaouira Chair Manisha Jain

324 Competition for Illicit Payments on Road Networks of West Africa 1988-2016 Glenn Rogers

Independent Advisor, France

99 Regional Development Implications of Improved Central to South Asia Transport Development: Summary of Recent Analysis by the World Bank

**Nathan Hutson** 

University of North Texas, USA

248 Integrating spatial development with infrastructure provision: A conceptual framework and its application to India

Manisha Jain<sup>1</sup>, Artem Korzhenevych<sup>1</sup>, Jörg Knieling<sup>2</sup>

<sup>1</sup>Leibniz Institute of Ecological Urban and Regional Development, Germany. <sup>2</sup>HafenCity University, Germany

247 Rural to urban transformation in India as census towns: Rural-urban dichotomy revisited

Manisha Jain<sup>1</sup>, Artem Korzhenevych<sup>1</sup>, Jörg Knieling<sup>2</sup>

<sup>1</sup>Leibniz Institute of Ecological Urban and Regional Development, Germany. <sup>2</sup>HafenCity University, Germany

# Special Session: SS38.1 - Resilience and peripheral areas: development patterns and policies in the borderlines

17:30 - 18:45 Wednesday, 26th May, 2021 Room Lagouira

Chair Gabriela Carmen Pascariu

200 Innovation-disrupted spatial equilibrium: Insights from the Israeli experience Raphael Bar-El<sup>1,2</sup>, Liran Maymoni<sup>1,2</sup>

<sup>1</sup>Ben-Gurion University, Israel. <sup>2</sup>Sapir Academic College, Israel

239 Discontent in the "peripheries": An investigation of the rise of populism in Italy Giulia Urso, Alessandra Faggian, Alessandro Palma
Gran Sasso Science Institute, Italy

369 Resilience, Development Regions and Local Revenue Collection Levels in Romania Octavian Moldovan, Bogdana Neamtu

Department of Public Administration and Management, Faculty of Political, Administrative and Communication Sciences, "Babes-Bolyai University", Clui-Napoca, Romania

424 The relevance of smart cities in assessing urban labor market resilience. A posttransition economy specificity

<u>Dan Lupu</u>, <u>Liviu Geroge Maha</u>, <u>Daniela Elena Viorica</u> Alexandru Ioan Cuza University of Iasi, Romania

# Thursday, 27 May 2021

## **PARALLEL SESSIONS (11)**

National Session: SS52 - Regional Science in Lebanon



09:30 - 10:45 Thursday, 27th May, 2021 Room FIPE Chair Nadim Farajalla

- Clusters of Cultural and Creative Industries: Empirical Evidence for Catalonia
  <u>Lina Maddah</u>, Josep-Maria Arauzo-Carod, Fernando López Hernandez

  <sup>1</sup>Universitat Rovira i Virgili, Spain. <sup>2</sup>Universidad Politécnica de Cartagena, Spain
- Mapping and Assessing Water Resources Related Interactions in the Bekaa, Lebanon Rana El Hajj, Jasmine El Kareh, Nadim Farajalla, Abed Halim Hajj Chehadeh
  Issam Fares Institute for Public Policy and International Affairs at the American University of Beirut, Lebanon
- 519 Impact of Climate Change on Rural Livelihoods in Lebanon
  Leya Zgheib, Nadim Farajalla, Mira Zaghbour, Karim Korban
  Issam Fares Institute for Public Policy and International Affairs, Lebanon
- 520 Climate change vulnerability assessments: the case of Batroun and Tyre

  <u>Celine El Khoury</u>, Rana El Hajj, Nadim Farajalla

  Issam Fares Institute for Public Policy and International Affairs American University of Beirut, Lebanon

# National Session: SS51.3 - Sustainable Regional Development in China



09:30 - 10:45 Thursday, 27th May, 2021 Room NEREUS Chair Lily Kiminami

Do Houses of Worship Affect Housing Prices in China? A comparative Study on Two Representative Cities

<u>Lili Ta</u>

School of Government, Yunnan University, China

535 Digital Economy and Regional Industrial Upgrade: Evidence from the Yangtze River Delta

<u>lie Huang<sup>1</sup></u>, Jianjun Chen<sup>1</sup>, Yinxin Shen<sup>2</sup>, Ying Zhou<sup>1</sup>

<sup>1</sup>School of Public Affairs, Zhejiang University, China. <sup>2</sup>School of Economics, Zhejiang University, China

## 536 The Deconstruction and Evolution Trend Forecast of Industrial Carbon Footprint Network in China

Yuan Yuan, Xintong Sun

Northwestern Polytechnical University, China

# Regular Session: RS02.6 - Infrastructure, transportation and accessibility

09:30 - 10:45 Thursday, 27th May, 2021 Room Casablanca Chair Hideki Fukui

16 Managing Multiple Airport Regions via Perimeter Rules: An Empirical Analysis Hideki Fukui

Ehime University, Japan

186 Measuring Transit-Oriented Development Degree Based on the Railway Transit Network Performance Considering Population and Facility Distribution

Lan Yang<sup>1</sup>, Sunyong Eom<sup>2</sup>, Tsutomu Suzuki<sup>3</sup>

<sup>1</sup>Department of Risk Engineering, Graduate School of Systems and Information Engineering, University of Tsukuba, Japan. <sup>2</sup>Center for Spatial Information Science, the University of Tokyo, Japan. <sup>3</sup>Division of Policy and Planning Sciences, Faculty of Engineering, Information and Systems, University of Tsukuba, Japan

255 Measuring the Evolution of Regional Value Chains in Northeast Asia Using a Cross-Border Interregional Input-Output Model

Min Jiang, Euijune Kim

Seoul National University, Korea, Republic of

390 School Integration and Education Outcomes in Indonesia: Global Information System, Micro Simulation and CGE Analysis

<u>Bondi Arifin</u><sup>1</sup>, Anda Nugroho<sup>1</sup>, Eko Wicaksono<sup>1</sup>, Abdul Aziz<sup>1</sup>, Tri Wibowo<sup>1</sup>, Akhmad Yasin<sup>2</sup>, Praptono Djunedi<sup>1</sup>

<sup>1</sup>Ministry of Finance Republic of Indonesia, Indonesia. <sup>2</sup>Ministry of Finance Republic of Indonesia, Iran, Islamic Republic of

# Regular Session: RS20 - Biodiversity, ecosystems and ecosystem services

09:30 - 10:45 Thursday, 27th May, 2021 Room Marrakech Chair Stefania Tonin

97 Effect of land use and vegetation cover on the organic carbon stock in the mountains of the Moroccan High Atlas

Modeste Meliho<sup>1</sup>, Abdellatif Khattabi<sup>2</sup>, Mohamed Boullmane<sup>3</sup>, Nadia Mhammdi<sup>1</sup>

<sup>1</sup>Université Mohammed V, Morocco. <sup>2</sup>Ecole Nationale Forestière d'Ingénieurs, Morocco. <sup>3</sup>Conseil régional Béni Mellal Khénifra, Morocco

Assessment and valuation of ecosystem services at a watershed level- the case of Beht in the middle atlas of Morocco

Ismaili Hassana<sup>1</sup>, Abdellatif Khattabi<sup>2</sup>

<sup>1</sup>Faculté De Science IBN Tofail-Kenitra, Morocco. <sup>2</sup>Ecole Nationale Forestière d'Ingénieurs, Morocco

#### Valuing marine biodiversity and ecosystem services: A contingent valuation study in 136 **Italy**

**Stefania Tonin** 

Università Iuav di Venezia, Italy

Practical valuation of ecosystem services for local stakeholders: economic valuation 188 considering local explicit data

Takashi Hayashi, Daisuke Kunii

Policy Research Institute, Ministry of Agriculture, Forestry and Fisheries, Japan

462 Rainforest Conservation policy assessment: The case of the Atlantic Forest in Brazil Keyi Ussami, Ariaster Chimeli University of Sao Paulo, Brazil

#### Regular Session: RS18.3- Resilience and Risk Management

09:30 - 10:45 Thursday, 27th May, 2021 Room Agadir **Chair Euijune Kim** 

144 Assessing Disaster Risk by Integrating Natural and Socio-Economic Dimensions: A **Decision-Support Tool** 

Marco Modica<sup>1</sup>, Giovanni Marin<sup>2</sup>, Susanna Paleari<sup>3</sup>, Roberto Zoboli<sup>4</sup>

<sup>1</sup>GSSI, Italy. <sup>2</sup>University of Urbino, Italy. <sup>3</sup>IRCrES - CNR, Italy. <sup>4</sup>Catholic University of Milan, Italy

150 An Economic Assessment of Resilience after a Large-scale Tsunami in Japan Hiroyuki Shibusawa, Daiichi Matsushima

Toyohashi University of Technology, Japan

164 Demand for Index-Based Flood Insurance in Jakarta, Indonesia

Jose Cobian<sup>1</sup>, Budy Resosudarmo<sup>1</sup>, Susan Olivia<sup>2</sup>, Alin Halimah<sup>3</sup>

<sup>1</sup>Arndt-Corden Department of Economics - Crawford School of Public Policy, the Australian National University, Australia. <sup>2</sup>Department of Economics, University of Waikato, New Zealand. <sup>3</sup>Faculty of Economics and Business -Universitas Indonesia, Indonesia

355 Spatial Distancing, Spatial Interaction and Regional Economic Damages

Euijune Kim, Hojune Lee, Min Jiang, Seulki Kim, Dongyeong Jin Seoul National University, Korea, Republic of

## Regular Session: RS10.7 - Regional development

09:30 - 10:45 Thursday, 27th May, 2021 **Room Fes** 

Chair Hiroyuki Taguchi

18 Economic effect of cross-border infrastructure: Case of Thai-Lao international bridges Kenji Nozaki

Takasaki city University of Economics, Japan

**78** Myanmar's Manufacturing Exports after the Lifting of Economics Sanctions

Hiroyuki Taguchi, Soe Thet Mon

Saitama University, Japan

#### 79 Vietnam's Challenge to Boosting Labour Productivity

Hidekatsu Asada

Saitama University, Japan

#### 142 Local Government Expenditure and Socio-Economic Development: A Case Study of the **Provinces in the Philippines**

**Arianne Dumayas** 

Faculty of Global Management-Chuo University, Japan

#### Special Session: SS18.5 - Urban Future in the Global South

09:30 - 10:45 Thursday, 27th May, 2021

#### Room Essaouira

#### **Chair Abdul Shaban**

360 Space, Face, and Netnography: The Visibility of Everyday Violence in Urban Spaces faced by the Pan-Northeastern Community in Bangalore

Anisha Debbarman

Tata Institute of Social Sciences, India

Urban Poverty and Vulnerability in Global South: Issues of Underestimation, 375 **Concentration and Targeting** 

Anita Rath

Tata Institute of Social Sciences, India

398 Jaipur: An emerging entrepreneurial metropolitan region of the Global South

Philippe Cadene<sup>1</sup>, Abdul Shaban<sup>2</sup>

<sup>1</sup>Professor of geography, University of Paris – UMR CESSMA, France. <sup>2</sup>Tata Institute of Social Sciences, Mumbai, India

Urbanization, planning and scope of collaborative governance: A Case study of Delhi 448 **Metropolitan Region** 

**Ujjwal Dadhich** 

Researcher at Tata Institute of Social Sciences, India



## **PARALLEL SESSIONS (12)**

National Session: SS22 - Regional Disparities in the EU and Hungary in the Age of Digitalization and the Pandemics



### 11:00 - 12:15 Thursday, 27th May, 2021 Room FIPE Chair Zoltán Gál

Does Foreign Investment Generate Regional Economic Growth in Emerging Countries and their regions? Case of Central & Eastern Europe and Hungary

Zoltan Gál<sup>1,2</sup>, András Gyimesi<sup>2</sup>

<sup>1</sup>Centre for Economic & Regional Studies, Hungary. <sup>2</sup>University of Pécs, Hungary

224 Urban strategic planning from the perspective of well-being: Evaluation of the Hungarian practice

Zoltán Bajmócy, Judit Gébert, György Málovics, Boglárka Méreiné Berki, Judit Juhász University of Szeged, Hungary

232 Immunizing workers in the pandemic? Lessons from supply chains, telework and commuting

Sándor Juhász¹, Eszter Bokányi¹, Zoltán Elekes²,³, László Czaller²,⁴, Gergő Tóth⁵,², András Borsos⁶,⁻, Tünde Szabó⁶, Márton Karsai⁻,⁶, <u>Balázs Lengyel</u>²,¹

<sup>1</sup>Budapest Corvinus University, Hungary. <sup>2</sup>ELKH Centre for Economic and Regional Studies, Hungary. <sup>3</sup>Umea University, Sweden. <sup>4</sup>ELTE University, Hungary. <sup>5</sup>University College Dublin, Ireland. <sup>6</sup>Central Bank of Hungary, Hungary. <sup>7</sup>Central European University, Austria. <sup>8</sup>ELKH CSF, Hungary. <sup>9</sup>ELKH Rényi Research Centre, Hungary

#### National Session: SS53 - Regional Science in Egypt



11:00 - 12:15 Thursday, 27th May, 2021 Room NEREUS Chair Michael L. Lahr

Heavy metal and bacteria removal from River Nile, Egypt by carbon nanotube filters that enhancing the marine conditions for fresh water bivalves

Emad Elsehlv¹, Aml Ghonim²

<sup>1</sup>Faculty of Science, Physics department, Damanhour University, Egypt. <sup>2</sup>Faculty of Science, Zoology department, Damanhour University, Egypt

502 Spatial Variability of Land Use Types in Relation To Soil Moisture and Climatic variables over Egypt

**Megahed Hassan** 

Zagazig University, Egypt

503 Government Spending and Regional Poverty Alleviation: Evidence from Egypt.

Dina Elshahawany, Ramy Elazhary

Faculty of Commerce, Zagazig University, Egypt

507 Egypt's National Road Project: Assessing the Economic Impacts of Upgraded Transportation Network

Dina Elshahawany<sup>1</sup>, Eduardo Haddad<sup>2</sup>, Michael Lahr<sup>3</sup>

<sup>1</sup>Faculty of Commerce, Zagazig University, Egypt. <sup>2</sup>University of Sao Paulo, Brazil. <sup>3</sup>Rutgers, the State University of New Jersey, USA

# Regular Session: RS02.5 - Infrastructure, transportation and accessibility

11:00 - 12:15 Thursday, 27th May, 2021 Room Casablanca Chair Rosella Nicolini

134 Approximating the impact of the congestion effect on users' attitude toward the public bus transport system: the case of Barcelona

Miquel-Àngel Garcia-López<sup>1,2</sup>, <u>Rosella Nicolini</u><sup>1</sup>, José Luis Roig Sabaté<sup>1</sup> <sup>1</sup>UAB, Spain. <sup>2</sup>IEB -UB, Spain

145 Is there a Light at the End of the Eurotunnel? If not for the Investors than for the Regions?

Johannes Lohwasser, Axel Schaffer, Andreas Schüler

Bundeswehr University Munich, Germany

233 Linking sustainable urban mobility and sedentary lifestyles in the digital age
<a href="mailto:Aritz Balerdi Blanco">Aritz Balerdi Blanco</a>, Patxi Ojanguren Asolo, Eguzkiñe Elorduy Cortina
University of the Basque Country UPV/EHU, Spain

456 Spatial Justice (Inequality and Inequity) in the Provision of Primary Schools – The Case of Portugal

<u>João Lourenço Marques</u>, Jan Wolf, Fillipe Feitosa University of Aveiro, Portugal

# Regular Session: RS15.3 - Theoretical and empirical urban economics

11:00 - 12:15 Thursday, 27th May, 2021 Room Marrakech Chair Katarzyna Kopczewska

204 Natural spatial pattern-when mutual socio-geo distances between cities follow Benford's law

Katarzyna Kopczewski, Tomasz Kopczewski

University of Warsaw, Poland

# 340 Equal opportunities to access the university in Chile? An application with a spatial Heckman probit model

<u>Juan Luis Quiroz</u><sup>1</sup>, Ludo Peeters<sup>2</sup>, Coro Chasco<sup>1</sup>

<sup>1</sup>Facultad de Ciencias Económicas y Empresariales, Universidad Autónoma de Madrid, Spain. <sup>2</sup>Hasselt University, Belgium

#### 381 Related Variety: A Meta-analysis

Jeroen Content<sup>1</sup>, Martijn Smit<sup>2</sup>

<sup>1</sup>Netherlands Environmental Assessment Agency (PBL), Netherlands. <sup>2</sup>Utrecht University, Netherlands

# Regular Session: RS06.3 - Methods in Regional Science and Urban Economics

#### 11:00 - 12:15 Thursday, 27th May, 2021 Room Agadir Chair Patrick Lehnert

#### 66 New Emerging Population and Settlement Patterns: The Case of Slovakia

**Martin Maris** 

Slovak University of Agriculture, Slovakia

## 222 Proxying Economic Activity with Daytime Satellite Imagery: Filling Data Gaps across Time and Space

Patrick Lehnert, Michael Niederberger, Uschi Backes-Gellner

University of Zurich, Switzerland

#### 261 Does China's business matter to South America?

Fernando Perobelli<sup>1</sup>, Vinicius Vale<sup>2</sup>, Guilherme Salgueiro<sup>1</sup>

<sup>1</sup>Federal University of Juiz de Fora, Brazil. <sup>2</sup>Federal University of Paraná, Brazil

#### 382 Improving Vaccination Rate through Community Awareness

Bondi Arifin, Eko Wicaksono, Taufan Pamungkas Kurnianto, Nugraheni Kusumaningsih, <u>Tri Achya Ngasuko</u>

Ministry of Finance, Indonesia

### Regular Session: RS09.4 - Regional and urban policy

11:00 - 12:15 Thursday, 27th May, 2021

#### **Room Fes**

#### Chair Patricia Ikouta Mazza

## 9 Employment structures and agricultural development in the province of Sefrou Eddelani Oumhani

FSJES - USMBA, Morocco

# 374 The role of shared workspaces as an anchor of community resilience for low-income urban populations

**Dalit Harel**, Sigal Kaplan

The Hebrew University of Jerusalem, Israel

# 455 On Smart Institutions: Towards New Territorial Actors to Support Ecological Transition and Regional Diversification

Alberto Brugnoli

University of Bergamo, Italy

544 Digital Regions: A Different European Regional Space Structure

<u>Patricia Ikouta Mazza</u>, <u>Maria Mavri</u> University of the Aegean, Greece

#### Special Session: SS18.6 - Urban Future in the Global South

11:00 - 12:15 Thursday, 27th May, 2021 Room Essaouira Chair Abdul Shaban

401 Informal Entrepreneurism in the Global South Cities: Case Study of Street Vendors in Mumbai

**Ms.Meghamrita Chakraborty** 

Doctoral student, Tata Institute of Social Sciences, Mumbai, India, India

408 Sustaining the Creativity and Innovation: Chikankari Industry of Lucknow Rinku Prasad

Doctoral Student, School of Development Studies Tata Institute of Social Sciences, Deonar, Mumbai, India

414 Democratic Participation in Negotiating Urban Public Space in India: Coexistence of Collectivism and Individualism among Street Vendors

**Debdulal Saha** 

Indian Institute of Science Education and Research (IISER), Mohali, India

273 Blue-ing Children's Space: The Promise of Blue Urbanism to making Child-friendly Cities in the Southeast Asia

Aireen Grace Andal

Ural Federal University, Russian Federation



### **LUNCH BREAK**

12:15 - 13:15 Thursday, 27th May, 2021

## **PARALLEL SESSIONS (13)**

National Session: SS60 - Greek Regional Science



13:15 - 14:30 Thursday, 27th May, 2021 Room FIPE Chair Yannis Psycharis

558 Tracing the changing pattern of location and agglomeration of manufacturing enterprises in Greece: an application of point pattern analysis

Yannis Psycharis, Anastasios Karaganis, <u>Leonidas Doukissas</u>

Panteion University, Regional Development Institute, Greece

560 Economic crisis and resilience at local level in Greece

Panagiotis Artelaris<sup>1</sup>, Dimitris Kallioras<sup>2</sup>, Anastassis Katsinis<sup>3</sup>

<sup>1</sup>Harokopio University of Athens, Greece. <sup>2</sup>University of Thessaly, Greece. <sup>3</sup>Joint Research Centre (JRC), Italy

559 Exploring polarization and social segregation trends in Greek metropolitan areas: the case of Athens

Yannis Psycharis, Anastasia Panori, Panavotis Pantazis

Panteion University, Regional Development Institute, Greece

# Special Session: SS38.2 - Resilience and peripheral areas: development patterns and policies in the borderlines

13:15 - 14:30 Thursday, 27th May, 2021

#### **Room NEREUS**

#### Chair Gabriela Carmen Pascariu

- 427 The relevance of European funding in building regional economic resilience Liviu-George Maha, Elena-Daniela Viorica, Diana-Elena Abalasei, Lucia Ciubotaru Alexandru Ioan Cuza University of Iasi, Romania
- 468 Can cities from peripheral regions become both resilient and sustainable?

  Alexandru Banica<sup>1,2</sup>, Karima Kourtit<sup>3</sup>, Peter Nijkamp<sup>1</sup>, Ema Corodescu-Rosca<sup>1</sup>

  Alexandru Lean Cura University of Isai Romania, Anadomy Isai Branch Romania, 3thoran

<sup>1</sup>Alexandru Ioan Cuza University of Iasi, Romania. <sup>2</sup>Romanian Academy, Iasi Branch, Romania. <sup>3</sup>Jheronimus Academy of Data Science (JADS)-Hertogenbosch, Netherlands

453 Building resilience beyond the EU's eastern borders. EU actorness and societal perceptions in Ukraine and Republic of Moldova

Gabriela Carmen Pascariu<sup>1</sup>, Loredana Maria Simionov<sup>1</sup>, Nadia Bureiko<sup>2,3</sup>

<sup>1</sup>Alxandru Ioan Cuza University of Iasi, Romania, Romania. <sup>2</sup>Foreign Policy Council 'Ukrainian Prism', Ukraine. <sup>3</sup>Post-doctoral Researcher, University of St Gallen, Switzerland

#### , , ,

### Regular Session: RS03.3 - Knowledge and innovation

13:15 - 14:30 Thursday, 27th May, 2021

#### Room Casablanca

#### Chair Sandro Montresor

- 64 Sketches versus the new technology's innovation in the creative process

  Ana Moreira da Silva
  CIAUD, Portugal
- 132 Migration and Innovation: measuring the effect of skill-specific flows on patents, trademarks and designs across Italian provinces

Adriana C. Pinate<sup>1</sup>, Alessandra Faggian<sup>1</sup>, Claudio Di Berardino<sup>2</sup>, Carolina Castaldi<sup>3</sup>

<sup>1</sup>Gran Sasso Science Institute, Italy. <sup>2</sup>University of G. d'Annunzio, Italy. <sup>3</sup>Utrecht University, Netherlands

279 "With no siblings, but with home": single patent-class inventions (SPIs) and regional technological diversification in Europe

Claudio Cozza<sup>1</sup>, Ilaria Gandin<sup>2</sup>, <u>Sandro Montresor</u><sup>3</sup>, Alessandro Palma<sup>3</sup>, Gianluca Tarasconi<sup>4</sup>

<sup>1</sup>Department of Economic and Legal Studies – DISEG, University of Naples "Parthenope" (IT)., Italy. <sup>2</sup>University of Trieste, Italy. <sup>3</sup>Gran Sasso Science Institute, L'Aquila (IT), Italy. <sup>4</sup>ipQuants AG, Schaffhausen (CH), Switzerland

290 Production efficiency of advanced technology-generating industries in the EU: stochastic frontier analysis of industry-level panel data

**Giedre Dzemydaite** 

Vilnius University, Lithuania

# Regular Session: RS12.4 - Spatial implications of climate and environmental change

13:15 - 14:30 Thursday, 27th May, 2021 Room Marrakech Chair Yufei Wei

21 Assessment and mapping of the vulnerability to erosion and gullying in the rural commune of El Faid

Ali Azedou, Abdellatif Khattabi, Said Lahssini, Mohamed Sabir

Ecole Nationale Forestière d'Ingénieurs, Morocco

33 Contribution of a New-design Multifunctional Artificial Reefs to the Sustainable Management of Coastal Areas

<u>Isabel de Almeida</u>

CIAUD, ISCTE-IUL, Portugal. Lusiada University, Portugal

496 Scaling of Urban Heat Island and NO2 with Urban Population: A Meta-Analysis Yufei Wei<sup>1</sup>, Geoffrey Caruso<sup>1</sup>, Rémi Lemoy<sup>2</sup>

<sup>1</sup>University of Luxembourg, Luxembourg. <sup>2</sup>University of Rouen, France

# Regular Session: RS21.3 - Agriculture, fisheries and food security

13:15 - 14:30 Thursday, 27th May, 2021 Room Agadir Chair Nugraheni Kusumaningsih

27 Physiology of Merluccius merluccius in the North Atlantic of Morocco

Chaimae El Bouzidi<sup>1</sup>, Mounir Hassani Zerrouk<sup>2</sup>, Said Benchoucha<sup>3</sup>, Mohammed Bakkali<sup>1</sup>

<sup>1</sup>Faculté des Sciences et Techniques de Tanger, Morocco. <sup>2</sup>Multidisciplinary faculty of Larache, Morocco. <sup>3</sup>Centre régional de l'INRH, Tanger, Morocco

96 Contributing to the assessment of land use dynamics in national parks Ifrane and Tazekka

**Imane Lafraoui** 

National Forestry Engineering School, Morocco

541 Can Phone Usage Improve Technical Efficiency of Rice farming? Evidence from Indonesia

Nugraheni Kusumaningsih

Fiscal Policy Agency, Indonesia

#### Regular Session: RS11.2 - Rural development

13:15 - 14:30 Thursday, 27th May, 2021 Room Fes Chair Anna Mikhaylova

Fair trade and rural development: assessment of preferences and potential participation of small producers in northern Morocco

Eddahmouny Hicham, Elbroumi Soufiane

FSJES FES, Morocco

84 Retrospective analysis of rural development in Morocco

Nora Hammouda<sup>1</sup>, Hicham Alaoui<sup>2</sup>

<sup>1</sup>Departement of agriculture, Morocco. <sup>2</sup>Climatic and forest risk management center, Morocco

388 Place-based and participative approaches: reflections for policy designs in rural development

Kim Pollermann, Lynn-Livia Fynn

Thünen Institute for Rural Studies, Germany

439 Digital transformation of rural societies: the case of Kaliningrad region

Anna Mikhaylova<sup>1</sup>, Andrey Mikhaylov<sup>1,2</sup>, Dmitry Hvaley<sup>1</sup>

<sup>1</sup>Immanuel Kant Baltic Federal University, Russian Federation. <sup>2</sup>Institute of Geography, RAS, Russian Federation

### Special Session: SS40.1 - The productivity gap and the relaunch of productivity in Europe

13:15 - 14:30 Thursday, 27th May, 2021 Room Essaouira Chair Roberta Capello

194 Towards an interpretation of labour productivity growth: patterns of regional competitiveness in European regions

Roberto Camagni, Roberta Capello, <u>Giovanni Perucca</u>

Politecnico di Milano, Italy

236 A balanced policy approach to regional growth: Productivity and resilience Alexandra Tsvetkova, Wessel Vermeulen

OECD Spatial Productivity Lab, Italy

251 The Changing Role of Long-run Drivers of Labor Productivity

Yoki Okawa<sup>1</sup>, Alistair Dieppe<sup>2</sup>, Atsushi Kawamoto<sup>3</sup>, Cedric Okou<sup>1</sup>, Jonathan Temple<sup>4</sup>

<sup>1</sup>World Bank, USA. <sup>2</sup>European Central Bank, Germany. <sup>3</sup>Ministry of Finance, Japan. <sup>4</sup>., United Kingdom



14:30 - 14:45 Thursday, 27th May, 2021



#### **PLENARY SESSION IV**

14:45 - 15:45 Thursday, 27th May, 2021 Room Marrakech

### **Keynote Speech**



New Spatial Data, New Spatial Knowledge?

**Prof. Isabelle Thomas** Université catholique de Louvain, Belgium



## **Interval**

15:45 - 16:00 Thursday, 27th May, 2021



National Session: SS54 - Regional Science in Paraguay



16:00 - 17:15 Thursday, 27th May, 2021 Room FIPE Chair Eduardo A. Haddad

515 Systemic Impacts of Climate Change in Paraguay from Business Agriculture Eduardo A. Haddad¹, <u>Gustavo H. L. Castro</u>¹, Évilly C. Bezerra², Plínio E. R. Alvarez³, Hélder J. L. C.

<sup>1</sup>The University of São Paulo Regional and Urban Economics Lab - NEREUS, Brazil. <sup>2</sup>The Federal University of Santa Maria, Brazil. <sup>3</sup>The National University of Asunción, Paraguay. <sup>4</sup>The Government of the Republic of Angola, Angola

516 Diversification in the Destinations of Paraguayan Exports: What can the Trade Complementarity (TC) Index Explain about It?

Plinio Esteban Ramirez Alvarez, Victor Ramón Enciso Cano

The National University of Asunción, Agricultural Science School, Paraguay

517 Productive Structure and Agricultural Sector of the Paraguay: An Input-Output Approach

**Eduardo A. Haddad¹**, <u>Plinio Esteban Ramirez Alvarez</u>², <u>Gustavo H. L. Castro¹</u>, <u>Victor Ramón Enciso Cano²</u>¹The University of São Paulo Regional and Urban Economics Lab - NEREUS, Brazil. ²The National University of Asunción, Agricultural Science School, Paraguay

Analysis of the Convergence of the Productivity of Soybean (Glycine max L.) In The Eastern Region of Paraguay. Period 2007 - 2018

Luz Mujica, <u>Angel Benitez</u>, Victor Enciso, Jorge Gonzalez FCA-UNA, Paraguay

# National Session: SS58.2 - Argentinean social and economic challenges



16:00 - 17:15 Thursday, 27th May, 2021 Room NEREUS

Chair Pedro Luis Elosegui

How to measure the territorial economic impact of the COVID-19 pandemic in contexts with scarce regional data? A methodological proposal and application for Argentina (April-September 2020)

Andrés Niembro<sup>1</sup>, Carla Daniela Calá<sup>2</sup>

<sup>1</sup>Universidad Nacional de Río Negro, Argentina. <sup>2</sup>Universidad Nacional de Mar del Plata, Argentina

552 Green exports in Argentina: trajectories and opportunities for diversification at the regional level

Andrea Estefanía Belmartino

GSSI, Italy. Universidad Nacional de Mar del Plata, Argentina

Argentina's integration into global value chains: a sectoral and product analysis, and an attempt at regionalization

Pedro Esteban Moncarz<sup>1,2,3</sup>, Nestor Clever Grion<sup>1</sup>, Ileana Raquel Jalile<sup>1</sup>

<sup>1</sup>Universidad Nacional de Córdoba, Facultad de Ciencias Económicas, Argentina. <sup>2</sup>Consejo Nacional de Investigaciones Científicas y Técnicas, Argentina. <sup>3</sup>Centro de Investigaciones en Ciencias Económicas, CIECS (UNC-CONICET), Argentina

#### Regular Session: RS22 - Nexus: water, agriculture and energy

16:00 - 17:15 Thursday, 27th May, 2021 Room Casablanca Chair Ana Serrano

285 A Game-Theoretic Model of Water Theft during a Drought

Amit Batabyal<sup>1</sup>, Hamid Beladi<sup>2</sup>

<sup>1</sup>Rochester Institute of Technology, USA. <sup>2</sup>University of Texas at San Antonio, USA

370 Modelling and experimentation of olive cake thin-layer vacuum drying process Mohcine Ibn Maamar, Mohamed Mazouzi, Mohamed Lajdel ENSEM, Morocco

391 Patterns of Mediterranean agricultural water impacts in the context of the second globalization

Ana Serrano<sup>1,2</sup>, Rosa Duarte<sup>1,2</sup>, Vicente Pinilla<sup>1,2</sup>

<sup>1</sup>Universidad de Zaragoza, Spain. <sup>2</sup>Instituto Agroalimentario de Aragón, Spain

# Regular Session: RS19.2 - Green economy and complexity of socio-ecosystems

#### 16:00 - 17:15 Thursday, 27th May, 2021 Room Marrakech Chair Alessandro Crociata

Watermelons in winter? Assessing the carbon footprints of off-season produce <a href="Shriya Rangarajan">Shriya Rangarajan</a>

Cornell University, USA

95 A normative perspective of rural-urban development

**Khouloud Turki** 

SupAgro- Montpellier, France

184 Economic Valuation of Cultural Ecosystem Services: The Case of Landscape Aesthetics in the Agritourism Market

Aliza Fleischer<sup>1,1</sup>, Shachar Hatan<sup>1</sup>, Anat Tchetchik<sup>2</sup>

<sup>1</sup>Hebrew University of Jerusalem, Israel. <sup>2</sup>Bar Ilan University, Israel

387 Human capital and social capital as antecedent of the Green Deal. An analysis on waste separation across Italian provinces

Alessandro Crociata<sup>1</sup>, Chiara Burlina<sup>1</sup>, Iacopo Odoardi<sup>2</sup>

<sup>1</sup>Gran Sasso Science Institute, Italy. <sup>2</sup>University of Chieti-Pescara, Italy

#### Regular Session: RS08.2 - Real estate and housing

16:00 - 17:15 Thursday, 27th May, 2021 Room Agadir Chair Hojune Lee

301 Effect of Urban Railway Network Accessibility on Housing Prices

<u>Hojune Lee</u>, Euijune Kim

Seoul National University, Korea, Republic of

346 Impact of Demolitions on Neighboring Property Values: The Case of Detroit

<u>Camila Alvayay Torrejon</u><sup>1</sup>, Dusan Paredes<sup>2</sup>, Mark Skidmore<sup>1</sup>

 $^1\!$ Michigan State University, USA.  $^2\!$ Universidad Catolica del Norte, Chile

450 The more inclusive, the less beneficial to the neighborhood? A quantitative analysis on inclusionary zoning in São Paulo. Brazil

Eliane Santos<sup>1</sup>, Ciro Biderman<sup>2</sup>

<sup>1</sup>PhD Student at Getulio Vargas Foundation (FGV), Brazil. <sup>2</sup>Professor at Getulio Vargas Foundation (FGV), Brazil

491 Policies for construction and real estate sector in Indonesia: does tax incentive matters?

**Hadi Setiawan** 

Fiscal Policy Agency, Ministry of Finance, Indonesia

# Regular Session: RS12.5 - Spatial implications of climate and environmental change

16:00 - 17:15 Thursday, 27th May, 2021 Room Fes Chair Karina Simone Sass

210 Climate change, water resources and economic impacts: an analysis for the Brazilian hydrographic regions

Ademir Rocha, Eduardo Haddad University of São Paulo (USP), Brazil

219 Identifying the atmospheric and economic key drivers of global air pollution change: a combined SDA approach

Sandy Dall'erba<sup>1</sup>, Ran Xu<sup>2</sup>, Nicole Riemer<sup>1</sup>, Yilan Xu<sup>1</sup>, Yao Yu<sup>1</sup> UIUC, USA. <sup>2</sup>Chinese Academy of Sciences, China

243 The Regional Economic Impacts of Climate Change on Family Farming and Large-Scale Agriculture in Brazil: A Computable General Equilibrium Approach

<u>Tarik Tanure</u><sup>1</sup>, Edson Domingues<sup>2</sup>, Aline Magalhaes<sup>2</sup>

<sup>1</sup>Federal University of Paraná - UFPR, Brazil. <sup>2</sup>Federal University of Minas Gerais - UFMG, Brazil

441 Economic impacts of droughts under future projections of climate change: a case study for São Paulo Metropolitan Area

<u>Karina Simone Sass</u>, <u>Eduardo Amaral Haddad</u> University of São Paulo, Brazil

## Special Session: SS40.2 - The productivity gap and the relaunch of productivity in Europe

16:00 - 17:15 Thursday, 27th May, 2021 Room Essaouira Chair Silvia Cerisola

198 Regional reindustrialization patterns and productivity growth in Europe Roberta Capello, Silvia Cerisola

Politecnico di Milano, Italy

437 When your client moves abroad: forced upgrading and subcontractors' performances in the manufacturing sector

<u>Jacopo Canello</u>, Nicoletta Giudice University of Groningen, Netherlands

253 Aggregate Productivity growth from firm level data: the case of Vietnam and some methodological issues.

Antonio Peyrache<sup>1</sup>, Manh D. Pham<sup>1</sup>, Hien Pham Thu<sup>2</sup>

<sup>1</sup>University of Queensland, Australia. <sup>2</sup>CSIRO, Australia



## **Interval**

17:15 - 17:30 Thursday, 27th May, 2021



## **PARALLEL SESSIONS (15)**

National Session: SS63 - Chilean Regional Science



17:30 - 18:45 Thursday, 27th May, 2021 Room FIPE Chair Yasna Cortés Garriga

Public spending and economies of scale in partial fiscal decentralized governments: The case of Chile

Alicia Chavez, Dusan Paredes

Universidad Catolica del Norte (UCN), Chile

272 The effect of subway expansion on travel times in Santiago-Chile. Evidence from Uber Data Movement

Ariel Arcos<sup>1</sup>, Bernardo Lara<sup>2</sup>, Dusan Paredes<sup>1</sup>

<sup>1</sup>Universidad Catolica del Norte, Chile. <sup>2</sup>Universidad de Talca, Chile

493 Cooperatives as an alternative to reduce the high territorial concentration of capital ownership in the Chilean case

Juan Pedro Eberhard, Patricio Aroca

CEPR, Business School, Universidad Adolfo Ibáñez, Chile

National Session: SS61 - Brazil Regional Science



17:30 - 18:45 Thursday, 27th May, 2021 Room NEREUS Chair Terciane Sabadini

173 Effects of wind energy input on the sectors of economic activity in the semiarid region of Bahia

Carolina Ribeiro, Gilca Oliveira

Federal University of Bahia, Brazil

178 Easing the Effects of Austerity with Reforms: A Regional CGE Experiment on Brazilian Labor Productivity

Guilherme Cardoso, Thiago Simonato, Débora Freire, Edson Domingues

Center for Development and Regional Planning (Cedeplar/UFMG), Brazil

431 Probability of Public Works Shutdown: Spatial Influences and the Impact of Counterparts Received from Fiscal Decentralization

<u>Joebson Maurilio</u><sup>1</sup>, Jõao Eudes<sup>2</sup>, Tatiane Menezes<sup>1</sup>, Sebastião Lima<sup>3</sup>

<sup>1</sup>UFPE, Brazil. <sup>2</sup>TCE-PE, Brazil. <sup>3</sup>UFRPE, Brazil

452 Brazilian exports and income distribution: an input-output analysis for 2002-2014

Mariana Catharin Velludo, Vinicius de Almeida Vale, Kenia Barreiro de Souza

Federal University of Parana, Brazil

#### Regular Session: RS01.2 - Entrepreneurship

17:30 - 18:45 Thursday, 27th May, 2021 Room Casablanca Chair Heather Stephens

137 Triggering the Integration of Minorities Residing in a Demographically Mixed Region into High-Tech Activities

Ronen Harel<sup>1</sup>, Dafna Schwartz<sup>2</sup>, Dan Kaufmann<sup>3</sup>

<sup>1</sup>Peres Academic center, Israel. <sup>2</sup>Interdisciplinary Center Herzliya, Israel. <sup>3</sup>Sapir College, Israel

209 Industries, Occupations, and Entrepreneurship in Rural Regions

**Zachary Keeler, Heather Stephens** 

West Virginia University, USA

322 Are there Marshallian Industrial Districts in Portugal? Revisiting the Canello and Pavone Algorithm

<u>João Leitão</u>, Joaquim Ferreira

University of Beira Interior, Portugal

421 Determinants of Entrepreneurial Behavior: Agricultural and Non-Agricultural Households in Indonesia

Evi Noor Afifah, Vitriyani Tri Purwaningsih, Ririn Nopiah

Department of Economics, Universitas Gadjah Mada, Indonesia

# Regular Session: RS07.3 - Migration and regional labor markets

17:30 - 18:45 Thursday, 27th May, 2021 Room Marrakech Chair Raquel Simón Albert

252 Dynamic Impact of Remittances on Aggregate Demand in Sri Lanka

Roshini Jayaweera

University of Kelaniya, Sri Lanka

- 265 Reassessing the penalty in commuting for immigrants: New evidence from Spain José Manuel Casado Díaz, Raquel Simón Albert, Hipólito Simón University of Alicante, Spain
- 299 Spatialization of Migration in the Concept of Trans-localism
  Ahmet Türel, Sinan Mert Şener
  Istanbul Technical University, Turkey
- 317 Cluster Analysis of Online Vacancies based on Attribute Associations

  Carlos Usabiaga<sup>1</sup>, Fernando Núñez<sup>2</sup>, Lukasz Arendt<sup>3</sup>, Ewa Gałecka-Burdziak<sup>4</sup>, Robert Pater<sup>5</sup>

  <sup>1</sup>Pablo de Olavide University, Spain. <sup>2</sup>University of Seville, Spain. <sup>3</sup>University of Lodz, Poland. <sup>4</sup>Warsaw School of Economics, Poland. <sup>5</sup>University of Information Technology and Management (Rzeszow), Poland

# Regular Session: RS17.1 - Globalization and territorial intelligence

17:30 - 18:45 Thursday, 27th May, 2021 Room Agadir Chair Rafael Garduño-Rivera

- The geostrategic position of Romania from the perspective of energy resources

  <u>Alexandra Colcer</u><sup>1</sup>, Mihail Paduraru<sup>2</sup>, Irimuş Ioan Aurel<sup>1</sup>

  ¹Babeş Bolyai University, Faculty of Geography, Romania. ²University of Economic Studies Bucharest, Romania
- The Effect of a Free Trade Agreement with the United States on Member Countries' per capita GDP: A Synthetic Control Analysis

  Esteban Colla-de-Robertis, Rafael Garduno-Rivera

Universidad Panamericana, Mexico

378 Regional and global patterns of participation in value chains: evidence from Brazil Inácio Fernandes de Araújo<sup>1</sup>, Fernando Salgueiro Perobelli<sup>2</sup>, Weslem Rodrigues Faria<sup>2</sup>

<sup>1</sup>University of São Paulo, Brazil. <sup>2</sup>Federal University of Juiz de Fora, Brazil

#### Regular Session: RS11.3 - Rural development

17:30 - 18:45 Thursday, 27th May, 2021 Room Fes Chair Guilherme Asai

85 Rural development

Aida Rouahi

Institut agronomique méditerranéenne de Montpellier (IAMM), Morocco

266 Capital Increase and Land Prices: An Essay among Brazil and United States of America Guilherme Asai

Independent researcher, Brazil

**267** Impacts of Agricultural Cargo Transportation on the Brazilian Economy Guilherme Asai<sup>1</sup>, Carlos Alberto Piacenti<sup>2</sup>, Angelo Costa Gurgel<sup>3</sup>

<sup>1</sup>Independent researcher, Brazil. <sup>2</sup>Universidade Estadual do Oeste do Paraná, Brazil. <sup>3</sup>Fundação Getulio Vargas, Brazil

Aspects of ethnic social capital in traditional communities of babassu coconut-breaking women in the legal Amazon: a study on socially oriented economic action

Alex Pizzio Silva

Federal University of Tocantins, Brazil

# Special Session: SS24 - Education inequality and Economic development: a regional perspective

17:30 - 18:45 Thursday, 27th May, 2021 Room Essaouira Chair Amaghouss Jabrane

539 An Analysis of Supply- Side Inequalities in Education Sector in Sri Lanka

<u>Ayesha Wickramanayaka</u>, Dr. Dammika Padmakanthi

University of Kelaniya, Sri Lanka

296 Disparities and determinants of regional unemployment rate: empirical evidence from Morocco

<u>Jabrane Amaghouss</u>, Aomar Ibourk

Department of Economics, FSJES, Cadi Ayyad University, Morocco

298 A Spatial Analysis of education inequality determinants: the case of Morocco <u>Jabrane Amaghouss</u>

Department of Economics, FSJES, Cadi Ayyad University, Morocco

## Friday, 28 May 2021

### **PARALLEL SESSIONS (16)**

SS42.1 - Regional Science from Down Under: perspectives from Aotearoa New Zealand



05:30 - 07:00 Friday, 28th May, 2021 Room Lagouira Chair Jacques Poot

306 Geography matters for small advanced economies: The implications for an economic strategy

**Paul Dalziel**, Caroline Saunders

AERU, Lincoln University, New Zealand

195 The effect of upzoning on house prices and redevelopment premiums in Auckland, New Zealand

Ryan Greenaway-McGrevy<sup>1</sup>, Gail Pacheco<sup>2</sup>, Kade Sorensen<sup>1</sup>

<sup>1</sup>The University of Auckland, New Zealand. <sup>2</sup>Auckland University of Technology, New Zealand

343 The Connection of Rental and House Price Affordability Measures in New Zealand Graham Squires<sup>1</sup>, Hai Trinh<sup>1</sup>, Don Webber<sup>2</sup>, Arshad Javed<sup>1</sup>

<sup>1</sup>Massey University, New Zealand. <sup>2</sup>University of Sheffield, United Kingdom

275 Vulnerable People, Local Labour Market Resilience and Global Shocks: New Zealand evidence from the Covid-19 pandemic and the Global Financial Crisis

William Cochrane<sup>1</sup>, <u>Jacques Poot<sup>1,2</sup></u>, Matthew Roskruge<sup>3</sup>

<sup>1</sup>University of Waikato, New Zealand. <sup>2</sup>Vrije Universiteit Amsterdam, Netherlands. <sup>3</sup>Massey University, New Zealand



### Interval

07:00 - 09:00 Friday, 28th May, 2021

#### SS42.2 - Regional and urban resilience in a turbulent world: perspectives from Aotearoa New Zealand



09:00 - 10:30 Friday, 28th May, 2021 Room Lagouira **Chair Philip Morrison** 

How do pandemics affect economic growth? Lessons from the 1968 H3N2 influenza and 259 **2003 SARS** 

**Ilan Nov** 

Victoria University of Wellington, New Zealand

- 270 The wellbeing impact of exogenous shocks. New Zealanders' reaction to Covid-19. Philip Morrison<sup>1</sup>, Stephanié Rossouw<sup>2</sup>, Talita Greyling<sup>3</sup> <sup>1</sup>Victoria University of Wellington, New Zealand. <sup>2</sup>AUT, New Zealand. <sup>3</sup>University of Johannesburg, South Africa
- 348 The distributional implications of COVID-19 in Aotearoa New Zealand Daniel Exeter, Janine Paynter, Vili Nosa, Matire Harwood, Chris Bullen The University of Auckland, New Zealand
- 274 Regional patterns of wellbeing through pandemic lockdowns **Arthur Grimes**

Victoria University of Wellington, New Zealand. Motu Research, New Zealand

#### National Session: SS31 - Regional Economic Development in Asia



#### 09:30 - 10:45 Friday, 28th May, 2021 **Room FIPE Chair Budy Resosudarmo**

125 How a pro-equity policy ended-up aggravating the unequal distribution of healthcare resources across Chinese regions

Meng Yu

Beijing Dacheng Research Institute, China

126 The Solow Growth Model and Trade: The Latest Empirics for the World and ASEAN **Economies** 

Yuri Mansury<sup>1</sup>, Jingwen Li<sup>2</sup>

<sup>1</sup>Illinois Institute of Technology, USA. <sup>2</sup>Cornell University, USA

Coordinated Development of Industrial Structure and Employment Structure: Evidence 180 from Oinghai Province, China

Ma Xiao

China University of Geosciences, China

276 Regional disparities and heterogeneous convergence in Indonesia: A multiscale geographically weighted regression approach

**Carlos Mendez** 

Nagoya University, Japan

Regional Public Infrastructures and Development on Decentralized Indonesia 561

Benedictus Raksaka Mahi<sup>1</sup>, <u>Budy P. Resosudarmo</u><sup>2</sup>

<sup>1</sup>Faculty of Economics and Business, University of Indonesia, Indonesia. <sup>2</sup>Arndt-Corden Department of Economics, Australian National University, Australia

#### National Session: SS51.4 - Sustainable Regional Development in China



09:30 - 10:45 Friday, 28th May, 2021 **Room NEREUS Chair Lily Kiminami** 

High-Speed Railway Reshapes China's Tourism Spatial Organization 540

Jin Weng, Tian-shu Fang

Fudan University, China

### 542 Depicting the blurred regional boundaries in China using individual mobility data Hongmou Zhang¹, Liu Liu²

<sup>1</sup>School of Government, Peking University, China. <sup>2</sup>CitoryTech, China

## 545 Research on the Assessment of Cities' Adaptation to Climate Change and Its Relationship with Urbanization in China

Xiaodong Pei<sup>1,2</sup>, Jing Wu<sup>1,2</sup>, Junbo Xue<sup>1,2</sup>, Jincai Zhao<sup>3</sup>, Changxin Liu<sup>1,2</sup>, Yuan Tian<sup>1</sup>

<sup>1</sup>Institutes of Science and Development, Chinese Academy of Sciences, China. <sup>2</sup>School of Public Policy and Management, University of Chinese Academy of Sciences, China. <sup>3</sup>School of Business, Henan Normal University, China

# Regular Session: RS14.3 - The spatial dimension of sustainable development

09:30 - 10:45 Friday, 28th May, 2021 Room Casablanca Chair John Emmanuel Villanueva

#### 389 The efficiency of the Education Sector Budget: Evidence from Indonesia

<u>Tri Wibowo</u>, Abdul Aziz, Praptono Djunaedi

Ministry of Finance, Indonesia

## 407 The construction of a territorial (environmental) governance index for the Brazilian Amazon region

<u>Marcelo Bentes Diniz</u>, Márcia Jucá Teixeira Diniz, André Luiz Ferreira e Silva, Ricardo Bruno Nascimento dos Santos

Federal University of Pará, Applied Social Science Institute, Brazil

## 489 Economic Valuation of Ecosystem Services Offered by the Cold Greenhouse in Huambo City

Luis Miápia

Faculty of Agricultural Sciences, Angola

## 557 Political dynasties and human development investments: Evidence of linkage from Rizal province, Philippines

John Emmanuel Villanueva

University of the Philippines-Diliman, Philippines

#### Regular Session: RS09.5 - Regional and urban policy

09:30 - 10:45 Friday, 28th May, 2021

**Room Agadir** 

**Chair Dan Zheng** 

#### **Economic development processes of Central and Eastern European cities Stilland Pact**

Centre for Economic and Regional Studies, Hungary

## 77 Innovative Activity over Space and Time - Spatiotemporal Modeling of Innovation Promoting Factors

**Imke Rhoden** 

Ruhr-Universität Bochum, Germany

177 Do Agglomeration Economies Influence Environmental Regulatory Competition? The Case of China

**Dan Zheng** 

University of Chinese Academy of Sciences, China

402 The Role of Supply and Demand on Children Education in Developing Country: Evidence from Indonesia

**Eko Wicaksono, Bondi Arifin, Anda Nugroho, Tri Wibowo, Ahmad Yasin, Abdul Aziz, Praptono Djunedi** Fiscal Policy Agency - Ministry of Finance, Indonesia, Indonesia

#### Regular Session: RS10.9 - Regional development

09:30 - 10:45 Friday, 28th May, 2021 Room Fes Chair Juan Piedra-Peña

100 The Role of Digital Technologies in Primary Healthcare of West Bengal, India: A Stride to Efficacy

Shatarupa Neogi<sup>1</sup>, Subhra Chattopadhyay<sup>2</sup>

<sup>1</sup>Sarojini Naidu College for Women, India. <sup>2</sup>Lady Brabourne College, India

On the Dynamics of Patient Migration Flows: Is Efficiency Performance Explaining Inflows for Neighboring Hospitals? An Application to the Ecuadorian Healthcare System Iuan Piedra-Peña

Universitat Autònoma de Barcelona, Spain

344 Structural transformation, land use and agglomeration: sectoral impact GM soy introduction in Brazil

**Jaime Carrion Fialkow** 

VU Amsterdam, Netherlands

434 Contestation and agency in subaltern spaces-the dichotomy of law and space in Dharavi slum, Mumbai

Paridhi Kedia<sup>1</sup>. Pritam Dev<sup>2</sup>

<sup>1</sup>independent researcher, India. <sup>2</sup>urban designer, India

# Special Session: SS36 - Glocalization and Regional Development

09:30 - 10:45 Friday, 28th May, 2021 Room Essaouira Chair Hideki Fukui

68 Glocalization of Natural Farming and Regional Development

Shinya Ishizaka

Ehime University, Japan

70 German Prisoners of War in Japan and the Regional Development during the First World War

Katsuhiko Kajiwara

Ehime University, Japan

176 Relationship between economic glocalization and the deposit-loan ratio of regional banks in Japan

Masashi Chikahiro Ehime University, Japan

69 Glocalization of Local Government Reform and Regional Development

**Kyoko Ohta** 

Ehime University, Japan



#### **Interval**

10:45 - 11:00 Friday, 28th May, 2021



### **PARALLEL SESSIONS (17)**

National Session: SS59 - Labour mobility and regional development



11:00 - 12:15 Friday, 28th May, 2021 Room FIPE Chair Annekatrin Niebuhr

268 Post-study migration behaviour – differences between native, foreign and international university graduates in Germany

Annekatrin Niebuhr<sup>1,2</sup>, Anne Otto<sup>1</sup>, Anja Rossen<sup>1</sup>, Christian Teichert<sup>1</sup>

<sup>1</sup>Institute for Employment Research, Germany. <sup>2</sup>Christian-Albrechts-Universität zu Kiel, Germany

442 Do return initiatives promote interregional return migration? - Evidence from Germany

Moritz Meister<sup>1</sup>, <u>Jan Cornelius Peters</u><sup>2</sup>, Anja Rossen<sup>1</sup>

<sup>1</sup>Institute for Employment Research (IAB), Germany. <sup>2</sup>Thünen Institute of Rural Studies, Germany

Being a long distance out-commuter or home employee in a rather peripheral region?

Stephan Brunow<sup>1</sup>, Ramona Jost<sup>2</sup>

<sup>1</sup>University of Applied Labour Studies, Germany. <sup>2</sup>Institute for Employment Research IAB, Germany

#### National Session: SS62 - Moroccan Regional Science



#### 11:00 - 12:15 Friday, 28th May, 2021 Room NEREUS Chair Abdellatif Khattabi

Analysis of Economic and Environmental Impacts of Shutting Down the Moroccan Refinery Samir: An Interregional Input-Output Approach

Eduardo Haddad<sup>1</sup>, Inácio Araújo<sup>2</sup>, Rachida El Mansoum<sup>3</sup>, Chaimaa Chawki<sup>3</sup>, Marouane Masnaoui<sup>3</sup>

<sup>1</sup>University of São Paulo, Brazil. <sup>2</sup>Department of Economics, University of São Paulo, Brazil. <sup>3</sup>FGSES, Mohammed VI Polytechnic University, Morocco

192 From Global to Local: Exploring Interregional Linkages of Moroccan Exports in Domestic Value Chains

<u>Elhoussaine Wahyana</u><sup>1,2</sup>, Mahmoudou Alioum<sup>1</sup>, Daniel Sitota<sup>1</sup>, Inácio Fernandes Araújo<sup>3</sup>, Eduardo Amaral Haddad<sup>3</sup>

<sup>1</sup>FGSES- Mohammed 6 Polytechnic University, Morocco. <sup>2</sup>Mohammed 5 University, Morocco. <sup>3</sup>University of Sao Paulo. Brazil

193 Multidimensional Poverty in Morocco: An Exploratory Spatial Approach

Eduardo Amaral Haddad¹, Inácio Fernandes¹, <u>Zineb Sijelmassi Idrissi</u>², Chanelle Ihezagire², Youness El Bouazzaoui²

<sup>1</sup>University of São Paulo, Brazil. <sup>2</sup>FGSES, Mohammed VI Polytechnic University of Benguerir, Morocco

214 Linkages and Interdependence of the Agriculture Sector in Morocco: A Regional Perspective.

Fatima Ezzahra Mengoub<sup>1</sup>, <u>Imane Oumellouche</u><sup>2</sup>, Wissal Morchid<sup>2</sup>, Nassima Nairi<sup>2</sup>, Eduardo Amaral Haddad<sup>3</sup>

<sup>1</sup>Policy Center for the News South, Morocco. <sup>2</sup>Mohammed VI Polytechnic University, Morocco. <sup>3</sup>University of São Paulo, Brazil

#### Regular Session: RS10.8 - Regional development

11:00 - 12:15 Friday, 28th May, 2021 Room Casablanca Chair Piotr Wójcik

Towards cohesion at the interface between the EU states? Cross-border economic asymmetry and convergence in the European Union

Andrzej Jakubowski<sup>1</sup>, <u>Piotr Wójcik</u><sup>2</sup>

<sup>1</sup>UMCS, Poland. <sup>2</sup>University of Warsaw, Poland

172 Contemporary socio-economic differences in Poland: (1) spatial polarization of development

Pawel Churski, Tomasz Herodowicz, Barbara Konecka-Szydłowska, Robert Perdał

Department of Regional and Local Studies. Faculty of Human Geography and Planning. Adam Mickiewicz University, Poznan, Poland

182 Contemporary socio-economic differences in Poland: (2) political scene and electoral behaviour

<u>Tomasz Herodowicz</u>, <u>Paweł Churski</u>, <u>Barbara Konecka-Szydłowska</u>, <u>Robert Perdał</u> Adam Mickiewicz University in Poznań, Poland

181 Contemporary socio-economic differences in Poland: (3) relations between development level and political preferences

Robert Perdał, Paweł Churski, Tomasz Herodowicz, Barbara Konecka-Szydłowska Adam Mickiewicz University in Poznan, Faculty of Human Geography and Planning, Poland

#### Regular Session: RS03.4 - Knowledge and innovation

11:00 - 12:15 Friday, 28th May, 2021 Room Marrakech Chair Márcia Diniz

231 Digital Transformation of Universities and Industry 4.0: a common strategy for regional development

Maria Begoña Peña-Lang

University of the Basque Country UPV/EHU, Spain

246 Creating and Strengthening Comparative Advantage: The Region of Thessaly – University of Thessaly Cooperation Nexus

<u>Maria Adamakou</u>, <u>Dimitris Kallioras</u>, <u>Spyros Niavis</u>, <u>George Petrakos</u> University of Thessaly, Greece

**Evolution of Regional Inequalities in Education, Science and Innovation Indicators in Brazil: a proposal for temporal systematization** 

<u>Márcia Jucá Teixeira Diniz</u>, Marcelo Bentes Diniz, André Luiz Ferreira e Silva, Mónica Liseth Cardozo Federal University of Pará, Applied Social Science Institute, Brazil

443 How cooperation with universities can affect the corporate competitiveness?

<u>Adrienn Reisinger</u>

Széchenyi István University, Hungary

# Special Session: SS08 - Subjective well-being and spatial inequalities

11:00 - 12:15 Friday, 28th May, 2021 Room Agadir Chair Camilla Lenzi

29 Subjective well-being, inequalities and the geography of discontent in European regions

<u>Giovanni Perucca</u>, Camilla Lenzi Politecnico di Milano, Italy

**Evaluating the Population' Spatial Accessibility to Primary Health Care Units**Diana F. Lopes¹, João L. Marques¹, Ana L. Ramos², Eduardo A. Castro¹

<sup>1</sup>GOVCOPP, DCSPT, University of Aveiro, Portugal. <sup>2</sup>GOVCOPP, DEGEIT, University of Aveiro, Portugal

227 King Leopold's Skeleton: The Aftereffects of Colonialism on Urban Form and Spatial Inequality in Kinshasa, DRC

Nathan Hutson, Wise Lubanda University of North Texas, USA

130 Coming Out of the Woods. Do local support services influence the propensity to report sexual violence?

Daria Denti<sup>1,2</sup>, Simona Iammarino<sup>1</sup>

<sup>1</sup>London School of Economics, United Kingdom. <sup>2</sup>Gran Sasso Science Institute, Italy

# Special Session: SS17.1 - Data science, machine learning and big data for regional Sciences

11:00 - 12:15 Friday, 28th May, 2021 Room Fes Chair Jean-Claude Thill

22 Predictive modelling of gully erosion in arid environment: case of the rural commune of El Faid located in the south-Morocco

<u>Ali Azedou</u>, Said Lahssini, Mohamed Sabir

Ecole Nationale Forestière d'Ingénieurs, Morocco

Machine Learning for Forest Stand Delineation using Yearly Landsat Time Series Anass Legdou<sup>1</sup>, Aouatif Amine<sup>1</sup>, Said Lahssini<sup>2</sup>, Hassan Chafik<sup>3</sup>, Mohamed Berrada<sup>3</sup>

<sup>1</sup>National School of Applied Sciences IBN Tofail University of Kenitra, Morocco. <sup>2</sup>Ecole Nationale Forestière d'Ingénieurs, Morocco. <sup>3</sup>National High School of Arts and Crafts, Meknes, Morocco

Modeling Forest type transition of middle Atlas-Morocco associated to human activities Anass Legdou<sup>1</sup>, Aouatif Amine<sup>1</sup>, Said Lahssini<sup>2</sup>, Hassan Chafik<sup>3</sup>, Mohamed Berrada<sup>3</sup>

<sup>1</sup>National School of Applied Sciences IBN Tofail University of Kenitra, Morocco. <sup>2</sup>Ecole Nationale Forestière d'Ingénieurs, Morocco. <sup>3</sup>National High School of Arts and Crafts, Meknes, Morocco

37 Cloud computing solution for monitoring protected area in Morocco

Said Lahssini<sup>1</sup>, Said Moukrim<sup>2</sup>, Hicham Alaoui<sup>3</sup>, Hicham Hajji<sup>4</sup>, Loubna El Mansouri<sup>5</sup>

<sup>1</sup>Ecole Nationale Forestière d'Ingénieurs, Morocco. <sup>2</sup>Mohammed V University, Morocco. <sup>3</sup>Climatic and forest risk management center, Morocco. <sup>4</sup>IAV, Morocco. <sup>5</sup>IAV H2, Morocco

#### Special Session: SS29 - Strengthening the resilience of socioecological systems

11:00 - 12:15 Friday, 28th May, 2021 Room Essaouira Chair Sumana Bandyopadhyay

211 Inevitable trade-off between economic development and environmental protection from island utilization: Experiences from China

**Dou Shiguan** 

China University of Geosciences, China

395 Riots in Mumbai: Complex Interaction of Vulnerable Communities

**Abdul Shaban** 

Tata Institute of Social Sciences, Mumbai, India

124 Spatial justice, resilience and sustainability. Revelations of the evolution of the population hierarchy of the regions of Portugal

**Tomaz Dentinho** 

University of the Azores, Portugal

217 Optimal openness for sustainable development of people and places

**Tomaz Dentinho** 

University of Azores, Portugal



#### **LUNCH BREAK**

12:15 - 13:15 Friday, 28th May, 2021



National Session: SS41 - Regional perspective of the different global crisis for small countries in 21 century - case study of Croatia



13:15 - 14:30 Friday, 28th May, 2021 Room FIPE Chair Vinko Mustra

365 Regional Inequalities in Croatia vs. Cee Countries - What to Expect After the Corona

Dubravka Jurlina Alibegovic<sup>1</sup>, <u>Katarina Marosevic</u><sup>2</sup>

 ${}^1\!The\ Institute\ of\ Economics,\ Zagreb,\ Croatia.\ {}^2\!University\ Josip\ Juraj\ Strossmayer\ of\ Osijek\ Faculy\ of\ Law,\ Croatia$ 

371 Assessing transport accessibility of islands for economic resilience: empirical findings from Croatian islands

Vinko Muštra, Josip Grgić, Blanka Šimundić

Faculty of Economics, Business and Tourism, University of Split, Croatia

425 Dutch Disease and Resilience - The Case of Croatia

<u>Josip Viskovic</u>

Faculty of Economics, Business and Tourism, Croatia

473 The Role of Policy Support in the Development of Regional Health Tourism – The State of the Art in Croatian Regions

Blanka Šimundić, Kordić Lana

University of Split, Faculty of Economics, Business and Tourism, Croatia

## Reorientation as a tool for recovery: analysis of regional economic resilience in Croatian NUTS 3 regions

Zvonimir Kuliš<sup>1</sup>, Bernarda Kuliš<sup>2,3</sup>

<sup>1</sup>University of Split, Faculty of Economics, Business and Tourism, Croatia. <sup>2</sup>Aspira University College – Split, Croatia. <sup>3</sup>Regional Development Agency of Split-Dalmatia County, Croatia

# National Session: SS65 - Urban Neighborhoods: Accessibility, Segregation, and Neighborhood Change



13:15 - 14:30 Friday, 28th May, 2021 Room NEREUS Chair Neil Reid

571 Are Historic Districts A Backdoor for Segregation? Yes and No

Jamie Bologna Pavlik<sup>1</sup>, Yang Zhou<sup>2</sup>

<sup>1</sup>Texas Tech University, USA. <sup>2</sup>University of North Texas, USA

283 Predicting Neighborhood Change: Challenges, Opportunities, and Possible New Directions

Isabelle Nilsson, Elizabeth Delmelle

University of North Carolina at Charlotte, USA

570 Does Ridesourcing Provide Equitable Accessibility?

**Sicheng Wang** 

Rutgers, the State University of New Jersey, USA

#### Regular Session: RS03.5 - Knowledge and innovation

13:15 - 14:30 Friday, 28th May, 2021

Room Casablanca

Chair Isabel de Almeida

The importance of Design as a creative process in Business Schools: How to fill the Design/Business knowledge and communication gap?

Isabel de Almeida

CIAUD, ISCTE-IUL, Portugal. Lusiada University, Portugal

36 Citizens co-production in urban innovation: critical performance factors

Marina Geenhuizen

Delft University of Technology, Fac. Technology, Policy and Management, Netherlands

E-Commerce in South Africa: Business Practices in Customer Acquisition and Retention.

Thebe Magapa<sup>1</sup>, Adee Athiyaman<sup>2</sup>

<sup>1</sup>Vaal University of Technology, South Africa. <sup>2</sup>Western Illinois University, USA

384 Analysis of Non-Technical Innovation, Knowledge Production and Proximity Theory in the Success of Turkish Series

Eser Çapik, Murat Ali DulupçuÇU

Suleyman Demirel University, Turkey

#### Regular Session: RS13 - Spatial planning

13:15 - 14:30 Friday, 28th May, 2021 Room Marrakech Chair Jan Wolf

8 Smart sustainable Satellite Cities: The Daisy Flower Concept

Faisal Awadallah

American University of Sharjah, UAE. Birzeit University, Palestine

47 Developing a Zone Design Tool for Determining Home Delivery Service Areas in the Groceries Sector

Ryan Urquhart, Andy Newing, Alison Heppenstall, Nick Hood University of Leeds, United Kingdom

461 Spatial equity in context: perceptions and preferences in the planning of primary schools

Jan Wolf, João Lourenço Marques, Fillipe Feitosa

Research Unit on Governance, Competitiveness and Public Policies (GOVCOPP) of the University of Aveiro, Portugal

#### Regular Session: RS01.3 - Entrepreneurship

13:15 - 14:30 Friday, 28th May, 2021 Room Agadir Chair Sebastien Bourdin

4 Do regional entrepreneurial ecosystems always contribute to regional economic performance?

Sebastien Bourdin

EM Normandie Business School, France

205 Internal Regional Competitiveness: Lombardy, a multi-speed region?

Federico Fantechi, Ugo Fratesi

Department ABC - Architecture, Built environment and Construction engineering - Politecnico di Milano, Italy

208 The resilience of the cultural and creative industries in Italy in the face of the Great Recession: a geographical exploration

Maria Giovanna Brandano, Giulia Urso

Gran Sasso Science Institute, Italy

234 EU macro-regional strategies and the Smart Specialisation Strategy: synergies

<u>Donato Iacobucci</u>, Roberta Ruggeri UNIVPM, Italy

# Special Session: SS17.2 - Data science, machine learning and big data for regional Sciences

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#### **Keynote Speech**



Human capital migration, innovation and sustainability: some reflections on what we know and our future challenges

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**Eduardo Haddad**President, Regional Science
Association International



Abdellatif Khattabi Chair, Local Organsing Committee President, Moroccan Regional Science Association



Andrea Caragliu
Executive Director, Regional
Science Association International

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