

GEO INNO 2024

**Manchester,
10th - 12th January 2024**

Hosted by Manchester Institute of Innovation Research,
The University of Manchester

CONFERENCE HANDBOOK AND PROGRAMME

@geoinno2024  #geoinno2024

WELCOME



Dear Geoinno participants,

We are thrilled to welcome you to Manchester and to the University of Manchester for the 7th Geography of Innovation Conference. With 480 participants from 32 countries, we are delighted by the global representation at this event. The diversity of attendees and range of topics covered in the parallel sessions are a testament to the ever-growing Geoinno community.

We are especially delighted to host this conference at the beginning of the University of Manchester's bicentenary celebrations. Founded in 1824 as England's first civic university, it has a long-standing history of social responsibility and regional engagement, through the support of cultural institutions, research engagement, knowledge exchange and widening participation. Innovation and enterprise for societal impact— whether driving economic growth or addressing pressing challenges in areas like healthcare and sustainability – have always been key priorities of the university.

As a university wide research Institute, the mission of the Manchester Institute of Innovation Research is to carry out impactful research tackling key challenges like sustainability, health, productivity, and inequality. Our areas of expertise include innovation systems and sustainability and digital transitions, entrepreneurship, governance and policy, responsible innovation, regional innovation and business model innovation. Our work aims to further understand how innovations emerge, diffuse, and transform in ways that inform policy and practice and educate future innovators through our postgraduate and doctoral programmes and a thriving visiting scholars' scheme through which we host young and established researchers around the world.

The themes of the conference also hold a special significance for the city of Manchester. As the world's first industrial city, Manchester was the shock city of urban transformation. Today, Greater Manchester is the second largest metropolitan economy in the UK, having successfully reinvented itself as a hub of creative, digital, and technology industries. Innovation remains central to the city's economic vision, including critical debates on achieving sustainable and inclusive growth.

We hope you are able to explore and enjoy our city over the course of your visit. We also hope that you enjoy the conference and that the discussions prove engaging and provide fresh inspiration for your own research.

Elvira Uyarra and Mabel Sanchez Barrioluengo
(on behalf of the Geoinno2024 Organising Committee)

THE HOSTS AND LOCATION



MANCHESTER INSTITUTE OF INNOVATION RESEARCH

The **Manchester Institute of Innovation Research** is an internationally recognised centre of excellence for the study of Science, Technology and Innovation policy and management. The Institute is the largest component of the University of Manchester Research Institute (UMRI), with more than 50 full members and 30 PhD researchers.

Alliance Manchester Business School was established in Manchester in 1965 as one of the UK's first two business schools. As a full-service business School, we offer undergraduate, Master's, MBA and Executive Education programmes. At Alliance Manchester Business School, 'Original Thinking Applied' sits at the heart of everything we do. With triple accreditation from AACSB International, AMBA and EQUIS, we provide world-class, industry-focused education to undergraduates, postgraduates and executives across the globe. Our centres in Dubai, Hong Kong, Shanghai and Singapore open up a world of opportunities for our students, researchers and clients.

The **University of Manchester**, a prestigious institution with a rich academic heritage is located in the vibrant city of Manchester, United Kingdom. Renowned for its commitment to cutting-edge research, innovative teaching and a diverse student body, the university stands as a global leader in education. Boasting a distinguished faculty and a wide array of academic areas, the University of Manchester offers students a unique and intellectually stimulating environment. Its impressive campus facilities, coupled with a strong emphasis on interdisciplinary collaboration, make it a hub for fostering critical thinking and producing impactful research. With a history dating back to 1824, the University of Manchester continues to shape the future through its dedication to academic excellence and a forward-thinking approach to education.

SPONSORS

We are proud to have the generous support of [The University of Manchester](#) through the sponsorship of the University of Manchester's Hallsworth Conference Fund, along with [The Productivity Institute](#) and [Regional Studies Association](#).



KEYNOTE SPEAKERS



CAROLINA CASTALDI

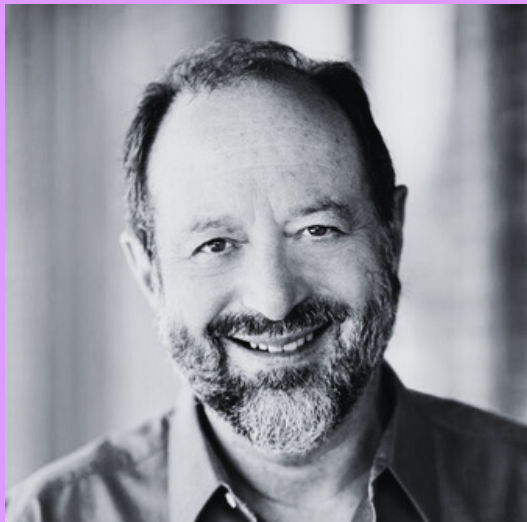
Professor and Chair in Geography of Innovation, Utrecht University.

Carolina's research deals with processes of innovation and how they unfold over time and over space. Her goal is to develop a broad account of innovation, as including both technological and non-technological forms. As such, she has investigated extensively how innovation emerges in service and creative sectors and the changing business models through which companies operate in local and global markets. Her most recent research aims at understanding how firm-level innovation drives regional development and the resilience of places. Her original contribution to research on geography of innovation also includes the development of novel indicators of innovation, exploiting patent and trademark data. Carolina Castaldi is Editor at Industrial and Corporate Change and member of the Board of EPIP (European Policy for Intellectual Property).



Wednesday, 10 January 9:15 – 10:45 GMT in Theatre B, University Place
Keynote title: Mapping Innovation

KEYNOTE SPEAKERS



JAMES BESSEN

Executive Director of the Technology & Policy Research Initiative at Boston University.

An economist and technologist, James Bessen has also been a successful innovator and CEO of a software company. He studies the major economic impacts of technology on society (see New York Times profile), writing academic papers, magazine articles, and books. His latest book, *The New Goliaths* (Yale 2022), argues that major firms' investments in proprietary software systems have allowed them to increase their dominance of industries, slowing aggregate innovation and raising income inequality. Earlier work with Michael Meurer on patents identified the social costs of poorly defined property rights (see *Patent Failure*, Princeton 2008), including the first evidence of damage from patent trolls. Bessen's work on automation (see *Learning by Doing*, Yale 2015), both historical and current, provides a distinct analysis of effects on employment, skills, and wage inequality. Bessen's work has been widely cited in the press as well as by the US White House and Supreme Court, the European Parliament, and the Federal Trade Commission.



Wednesday, 10 January 9:15 – 10:45 GMT in Theatre B, University Place
Keynote title: Geographic Clusters and Big Firms: Looking under the hood to understand start-up performance

KEYNOTE SPEAKERS



CHRISTIAN BINZ

Christian is a research group leader at the Department of Environmental Social Sciences (ESS) at the Swiss Federal Institute of Aquatic Science & Technology (Eawag), an Associate Fellow at the Centre for Innovation Research (CIRCLE), Lund University, Sweden, and a guest lecturer at the Department of Geography (GIUZ) at the University of Zurich, Switzerland.

His main research interests are centered on the geographies of innovation and sustainability transitions, the globalization of clean-tech innovation, as well as green industrial path development and leapfrogging dynamics in middle-income countries like China and India. By combining recent insights from transition studies, economic geography and institutional sociology, he aims to explore how multi-scalar actor networks and institutional arrangements influence the development and diffusion of clean-tech industries and sustainability transitions in key infrastructure sectors like energy, water, or transport. His work has been published in leading journals of innovation studies, economic geography and sustainability transition studies and he is managing a thematic group within the sustainability transitions research network (STRN) on the geography of sustainability transitions.



Thursday, 11 January 9:00 – 10:30 GMT in Theatre B, University Place
Keynote title: Tackling the Multi-scalar Geographies of Transformative Innovation

KEYNOTE SPEAKERS



VALENTINA DE MARCHI

Associate Professor at the Department of Society, Politics and Sustainability at ESADE Business School.

Valentina's research deals with processes of innovations aiming at reducing environmental impacts, especially in contexts of global value chains, when production is fragmented along geographically dispersed actors. As such, her research deals with the complexity to develop environmental innovations, investigating how firms can address this complexity. Her more recent research aims at understanding the role of paradoxical approach to support achieving sustainability results, and the interplay of environmental upgrading and downgrading at different tiers of value chains.



Thursday, 11 January 9:00 – 10:30 GMT in Theatre B, University Place
Keynote title: Scaling up for Sustainability

KEYNOTE SPEAKERS



DAVIDE CONSOLI

Davide Consoli is Senior Research Fellow at INGENIO (CSIC-UPV) in Valencia, Spain. He was previously at the University of Manchester, UK.

His research at the intersection of economics and policy focuses on the sources and effects of innovation and new technology, with a particular emphasis on the dynamics of skill emergence and obsolescence; on structural changes in employment; and on distributional outcomes. His published work focuses on a variety of empirical contexts such as customer banking, medicine, Knowledge Intensive Business Services and, more recently, the green transition. He has led and co-led grants funded by the EC, ESRC, Leverhulme Foundation (UK) and the Ministry of Science and Innovation (ES). He has also advised the NHS, DTI (UK), CSI (IT), EC JRC and Eurofound. He is a member of the advisory editorial board of Research Policy and, previously, of Technology Analysis and Strategic Management. He has been invited to give keynote talks and participate in expert panels by the EC, the Young Foundation (UK), the US Science Foundation, ANECA (ES) and GSSI (IT).



Friday, 12 January at 14:00 – 15:30 GMT in Theatre B, University Place
Keynote title: Everything's Gone Green ... or has it?

KEYNOTE SPEAKERS



ERIKA KRAEMER-MBULA

Erika Kraemer-Mbula is a Professor of Economics and is currently the Chair holder of the DSI/NRF/Newton Fund Trilateral Chair in Transformative Innovation, the Fourth Industrial Revolution and Sustainable Development, based at the College of Business and Economics (University of Johannesburg) and in partnership with ACTS and SPRU.

Her work focuses on alternative development paths for African economies. She specialises in the analysis of innovation systems in connection to equitable development and inclusive development, and has done pioneering work on innovation in the African informal sector. Erika has undertaken a range of advisory assignments with international institutions (such as IDRC, TWAS, UNIDO, UNESCO, UNICEF, among others). Her experience in this area includes the evaluation of strategic innovation-related programmes of international donor organisations, designing and reviewing regional and national STI policies, as well as supporting the implementation of innovation strategies in African countries.



Friday, 12 January at 14:00 – 15:30 GMT in Theatre B, University Place
Keynote title: Harnessing the Twin Tides: Shaping Development through Green and Digital Innovation

PROGRAMME OVERVIEW

PRE-CONFERENCE

15:00 – 17:30 Early Registration
(at Alliance Manchester Business School)

DAY 1 - WEDNESDAY

08:30 – 17:00 Registration (at University Place)
09:00 – 9:15 Welcome speeches
09:15 – 10:45 **Plenary 1**
10:45 – 11:15 Coffee break
11:15 – 13:00 **Parallel sessions 1**
13:00 – 14:00 Lunch
14:00 – 15:45 **Parallel sessions 2**
15:45 – 16:15 Coffee break
16:15 – 18:00 **Parallel sessions 3**
18:30 – 20:30 Reception (at Whitworth Hall)

DAY 2 - THURSDAY

08:30 – 17:00 Registration (at University Place)
09:00 – 10:30 **Plenary 2**
10:30 – 11:00 Coffee break
11:00 – 12:45 **Parallel sessions 4**
12:45 – 13:45 Lunch
13:45 – 15:30 **Parallel sessions 5**
15:30 – 16:00 Coffee break
16:00 – 17:45 **Parallel sessions 6**
19:00 – 22:00 Gala dinner (at Midland Hotel)

DAY 3 - FRIDAY

08:30 – 11:00 Registration (at University Place)
09:00 – 10:45 **Parallel sessions 7**
10:45 – 11:15 Coffee break
11:15 – 13:00 **Parallel sessions 8**
13:00 – 14:00 Lunch
14:00 – 15:30 **Plenary 3**
15:30 – 15:45 Closing and departure

Detailed programme on pages 18-60.



PRACTICAL INFORMATION

We have partnered with our sponsor the Regional Studies Association to manage programming and conference communications. Access the [full interactive program](#) on their platform, and for a seamless experience with real-time updates, download the free conference app (RSA Hub) on your IOS or Android device.

CONFERENCE REGISTRATION

Registration opens at 08:30am on Wednesday 10th January and will remain open each day until the close of conference at [University Place](#).

You can also take advantage of **early registration** between 15:00 – 17:30, on Tuesday 09th January at the [Alliance Manchester Business School](#).

SESSION FORMAT AND PRESENTATION GUIDELINES

The **plenary sessions** will last for 1 hour and 30 minutes and take place in Theatre B (via the first or second floor entrances). The parallel sessions will take place in teaching rooms across the 1st, 2nd, 3rd, 4th & 5th floors.

Each **parallel session** will last for 1 hour and 45 minutes with an average of 4 or 5 papers. Each presenter has 15-20 minutes to present their work, followed by 5 minutes Q&As from the audience. Full paper submissions are optional and will be available to all participants in the conference app.

The session rooms will be equipped with projector and a laptop. Please make sure to bring your slides on a USB stick and to transfer them to the laptop before the start of the session. Please check carefully when and where the session in which you present or chair takes place.

WIFI

You can connect to **eduroam** (education roaming) network when visiting the University of Manchester. If you are having difficulty connecting to the eduroam service, please contact your home institution's IT Support.

Free Wi-Fi is also available for visitors across The University of Manchester campus. It's easy to use - just connect to the **UoM_Guest** network on your laptop or mobile device by opening your web browser and follow the on-screen instructions. You can register with your own Facebook or LinkedIn account, or you can register via a text (SMS) message sent to your phone.

[Find out more about the UoM wireless network](#)

CONFERENCE ASSISTANCE

Our dedicated team of event volunteers is ready to support you with any conference-related inquiries or technical assistance you may need. Look out for our volunteers wearing distinctive yellow lanyards.

LOCAL TRANSPORT

Distance from nearest railway/Metrolink to the University

- Manchester Oxford Road railway station: 0.4 miles.
- Manchester Piccadilly railway station/Metrolink stop: 0.8 miles.
- Peter's Square Metrolink stop: 0.7 miles.

From Manchester Airport to the City Centre

By Train: The train route (to Oxford Road Station or Manchester Piccadilly Station) takes between 18-21 minutes, they run every 10 minutes via the operators TransPennine Express or Northern Rail. There is also a much slower Metrolink (tram) service to the city but we advise you to take the train!

By Taxi: This journey takes around 20 minutes without traffic. No advanced booking is required. £25-£35 depending on time and traffic. A taxi rank for Black Cabs is located outside each terminal. You may also request a pickup from a private hire service such as [Street Cars](#), [Uber](#) or [Bolt](#).

By Bus: Take [Route 43](#) from Manchester Airport Bus Station to Piccadilly Gardens, passing through Oxford Road University Shopping Centre (Stop C). The journey takes 35-45 minutes with multiple stops, but is the most economical option.

[Find out more about travel to UoM and access to the campus map.](#)

PARKING

The nearest car parks to University Place are:

- Car Park B: **Aquatics Centre Multi-Storey Car Park**, M13 9SS. (Access to the car park is via Booth Street East).
- Car Park D: **Booth Street West Car Park**, M15 6AR. (Access to the car park is via Higher Cambridge Street).

FOOD AND REFRESHMENTS

During the conference lunch and refreshments will be served in the Drum (Ground Floor) of University Place. Please refer to the programme for specific timings.

Water fountains are available throughout the building. You will receive a free bottle at registration.

For additional refreshments beyond the scheduled breaks, a cafe is available on the ground floor of University Place. Additionally, there is a range of local cafes, shops and restaurants in close proximity at [University Green](#), such as TAKK, Bold Street Coffee, Pret, Starbucks, Brewdog, Five Guys and more. There is also a cafe in the [Manchester Museum](#) across the road from the conference venue.

Please note that the Welcome Reception will offer canapés. We anticipate that many attendees will venture into the city centre for dinner. Find more information about local food and drink on the [Visit Manchester](#) website.

CLOAKROOM & COWORKING SPACE

You can safely store your belongings at our on-site cloakroom, located at **Room 3.205**. The cloakroom is staffed by our conference team during the following hours:

Wednesday and Thursday 8.30-18.00

Friday 8.30-16.00

A dedicated quiet working space is available at **Room 1.219** during the conference. The nearby Alliance Manchester Business School and Engineering buildings have extensive quiet study spaces - please wear your conference badge and lanyard at all times whilst on University premises.

HEALTH & SAFETY

In case of an emergency, please contact the following services:

Emergency Services: 999

On-site Security: +44 (0) 161 306 9966

Report any accidents, incidents, or security concerns to event volunteers.

Evacuation Procedure and Alarm Testing

In the event of a fire alarm, please be aware of the two-stage evacuation procedure. The first stage involves a short electronic alarm with a pre-recorded announcement signalling an emergency. During this stage, remain attentive for further instructions. The second stage is a longer, audible electronic alarm accompanied by a different pre-recorded announcement, indicating an immediate need to evacuate.

If the evacuation is required, assemble on the paved area in front of the Williamson Building, following the clearly marked green Fire Exit Signs. Avoid using elevators, refrain from gathering belongings and follow event staff instructions diligently. Do not re-enter the building until authorised by the Senior Fire Officer.

The fire alarms in University Place are routinely tested on Friday mornings at 9:00am. There are no other scheduled fire alarm drills during the week.

Accessibility Information

The conference venue is designed to be accessible. If you have specific accessibility needs, please contact our organisers in advance.

CODE OF CONDUCT

We're committed to a positive and inclusive GeoInno2024 experience. Please review our Code of Conduct for guidelines on respectful and professional behaviour.

SOCIAL MEDIA & PHOTOGRAPHY

Our official photographer will document the conference. By participating, you consent to appearing in conference-related media. If you have objections or prefer not to be photographed, please notify us in advance. Join the conversation using our official hashtag: **#GeoInno2024**.

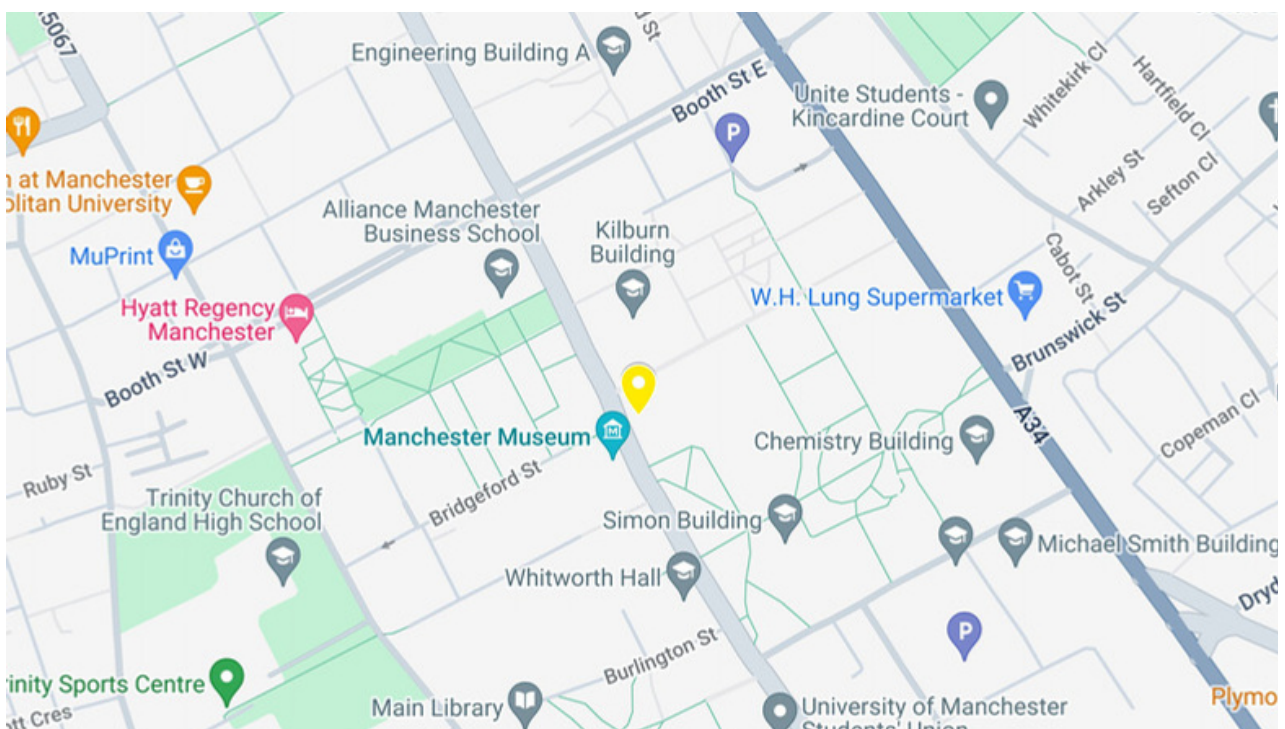
MAPS



UNIVERSITY PLACE

Conference Venue (Click below image for Google map)

Address: Oxford Rd, Manchester, M13 9PL



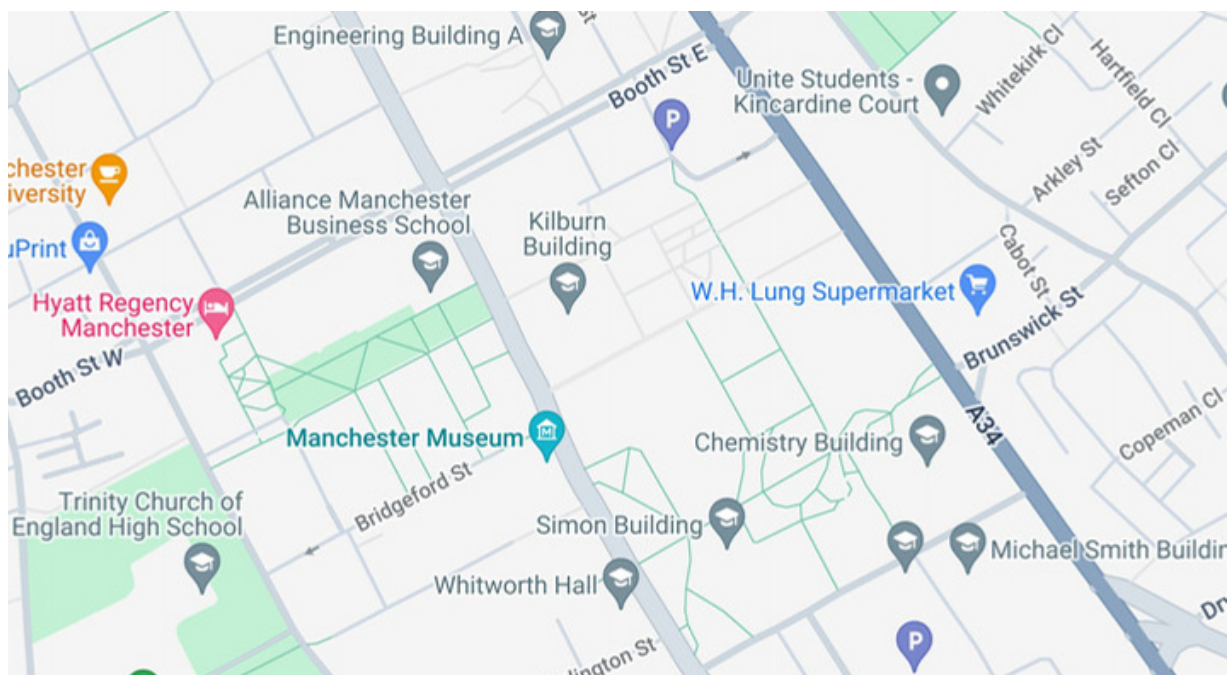
MAPS



WHITWORTH HALL

Welcome Reception (Click below image for Google map)

Address: Whitworth Building, Oxford Rd, Manchester, M13 9PL



MAPS



MIDLAND HOTEL

Gala Dinner (Click below image for Google map)

Address: 16 Peter St, Manchester, M60 2DS



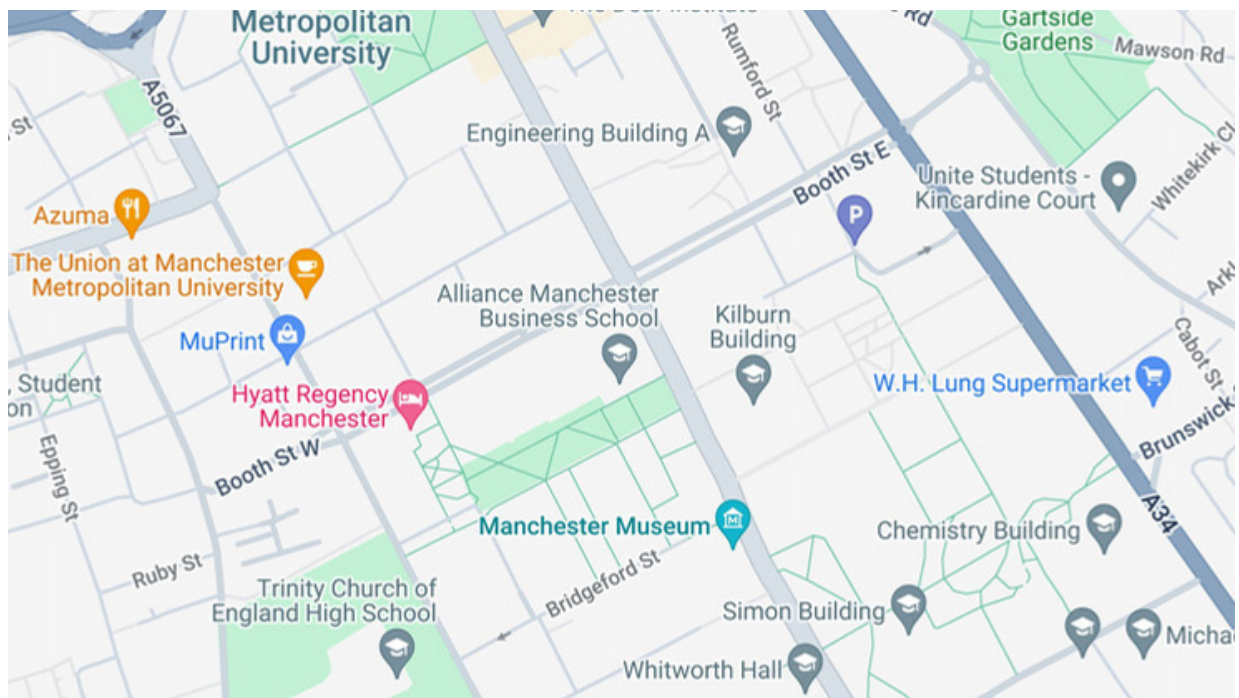
MAPS



ALLIANCE MANCHESTER BUSINESS SCHOOL

Early Registration (Click below image for Google map)

Address: Booth St West, Manchester, M15 6PB



Conference Welcome

Wed, Jan 10, 9:00 – 9:15 Theatre B

CHAIR: Elvira Uyarra, University of Manchester, UK

Dame Nancy Rothwell, President and Vice Chancellor of the University of Manchester, UK

Ken McPhail, Head of Alliance Manchester Business School, University of Manchester, UK

Plenary 1 - Navigating Innovation Geographies and Trade-offs within Clusters

Wed, Jan 10, 9:15 – 10:45 Theatre B

CHAIR: Phillip McCann, University of Manchester, UK

Carolina Castaldi, Utrecht University	Mapping Innovation
James Bessen, Boston University	Looking Under the Hood to Understand Startup Performance

SS14 - 01. Data and network science in economic geography

Wed Jan 10, 11:15 - 13:00, Room 1.218

CHAIR: Cesar Hidalgo, Artificial and Natural Intelligence Toulouse Institute (ANITI), France

Dario Diodato, JRC, Spain Ulrich Schetter, Harvard Kennedy School, United States Eric Protzer, Harvard Kennedy School, United States	Towards a genotypic product space
Ulrich Schetter, University of Gastronomic Sciences, Italy	A Measure of Countries' Distance to Frontier Based on Comparative Advantage
Carlo Bottai, University of Milano-Bicocca, Italy Jacopo Di Iorio, Penn State University, United States Martina Iori, Sant'Anna School of Advanced Studies, Italy	Local economies and specialization trajectories: A dynamic analysis from a complexity economics perspective
Balazs Lengyel, Centre for Economic and Regional Studies, ELKH, Hungary	Spatial exodus from social media

SS33 - 01. Economic development and human well-being (Geographies of Innovation and Well-being)

Wed Jan 10, 11:15 - 13:00, Room 4.204

CHAIR: Fulvio Castellacci, University of Oslo, TIK Centre, Norway

Emil Evenhuis, PBL - Netherlands Environmental Assessment Agency, The Netherlands Dieter F. Kogler, Spatial Dynamics Lab & Insights Centre for Data Analytics, University College Dublin, Ireland Elisa Giuliani, Department of Economics and Management, University of Pisa, Italy Ron L. Martin, Department of Geography, University of Cambridge, United Kingdom Elvira Uyarra, Alliance Manchester Business School, University of Manchester, United Kingdom	Evolutionary Economic Geography, Innovation And Well-being
Gianluca Biggi, Institute of Economics, Scuola Superiore Sant'Anna, Italy Martina Iori, Institute of Economics, Scuola Superiore Sant'Anna, Italy	Innovation and Environmental Well-being: Exploring the Nexus between Industrial Development and Soil Contamination across European Regions

Paula Prenzel, University of Greifswald, Germany	Re-evaluating your Location Choices?: Quality of Life and Interregional Migration during the Covid-19 Pandemic
Nils Grashof, Friedrich Schiller University Jena, Germany	Rethinking Regional Performance: An Investigation of the Regional Social Well-being in Europe

SS02 - 01. Innovation in Emerging and Developing Economies

Wed Jan 10, 11:15 - 13:00, Room 2.218

CHAIR: Canfei He, Peking University, China

Muhammad Ali, Friedrich Schiller University Jena, Germany, Faraz Riaz, Pakistan, Ipsita Roy, National Institute of Technology Rourkela, India	Science and Technology Parks in Developing Countries: A Comparative Analysis of India and Pakistan
Mariane Françoso, São Paulo State University (Unesp), Brazil	Science-technology Relatedness and Regional Diversification Prospects: Evidence from Brazil
Johan Miörner, Eawag, Switzerland, Christian Binz, Eawag, Switzerland, Huiwen Gong, University of Bern, Switzerland	Linking Industry Dynamics to Sustainability Outcomes: The Role of Regional Valuation Dynamics in Transforming Bengaluru's Urban Water Sector

SS30 - 01. The Library of Babel: Uncovering Knowledge in Unstructured Textual Data to Better Understand the Geography of Innovation

Wed Jan 10, 11:15 - 13:00, Room 2.217

CHAIR: Milad Abbasiharofteh, University of Groningen, The Netherlands

Elizabeth Gallagher, NESTA, United Kingdom, India Kerle, Nesta, United Kingdom	Skills in Online Job Adverts
Martin Henning, University of Gothenburg, Sweden Rikard Eriksson, Umeå University, Sweden Petrus Garefelt, Umeå University, Sweden Hanna Martin, University of Gothenburg, Sweden Zoltán Elekes, Umeå University, Sweden,	What can Job Postings tell us about Local Labour Market Coherence and Economic Development?
Andrew Johnson, University of Stavanger, Norway Silje Haus-Reve, University of Stavanger, Norway Tom Broekel, University of Stavanger, Norway Rune Dahl Fitjar, University of Stavanger, Norway	Diffusion in the Neighbourhood: Evidence from Job Vacancies on the Role of Peer Effects in Technology Diffusion
Matthias Kapa, Gottfried Wilhelm Leibniz Universität Hannove, Germany	Smart Labor Market? Effects of the AI Transformation on Occupations, Industries, and Regions

SS16 - 01. Innovation and Path Dependence

Wed Jan 10, 11:15 - 13:00, Room 3.214

CHAIR: Thomas Brenner, Philipps-Universität Marburg, Germany

Han Wang, University of Southampton, United Kingdom Neil Lee, London School of Economics, United Kingdom	Government Institutions and Local Entrepreneurship: Evidence from Political Discontinuities in Shanghai Concessions
H.J Rouwendal, University of Groningen, The Netherlands Teresa Farinha, UNU MERIT, The Netherlands	How do Regions Adopt New Technologies? AI Adoption in The Netherlands

Sierdjan Koster, University of Groningen, The Netherlands	
Ron Boschma, Utrecht University, The Netherlands Pierre-Alex Balland, Utrecht University, The Netherlands	An Evolutionary Approach to Development Traps in European Regions
Stig-Erik Jakobsen, Western Norway University of Applied Sciences, Norway Arnt Fløysand, Western Norway University of Applied Sciences, Norway	Balancing Economic, Environmental, and Social Sustainability in the Norwegian Salmon Farming Industry - An Historical Analysis

SS18 - 01. International Students and Innovation

Wed Jan 10, 11:15 - 13:00, Room 3.204

CHAIR: Ernest Miguelez, Université de Bordeaux, France

Andriy Romanyuk, University of Bordeaux & University of Insubria, France Francesco Lissoni, Université de Bordeaux, CNRS, BSE, UMR 6060, France	Foreign Doctoral Recipients from Dutch Universities: A Bibliometric Analysis of Stay Rates and Careers
Britta Glennon, Wharton School of the University of Pennsylvania, United States Jiusi Xiao, Claremont Graduate University, United States Raviv Murciano-Goroff, Boston University, United States Robert Flynn, Boston University, United States	The Impact of Rising US-China Tensions on Science
Chungeun Yoon, KDI School of Public Policy and Management, Korea, Republic of Songyi Shin, Korea Development Institute, Korea, Republic of Bonggeun Song, KDI School of Public Policy and Management, Korea, Republic of	How International Students Affect Faculty: Evidence from the US Public Universities
Pinar Eldemir, Università della Svizzera italiana, Switzerland Agata Lambrechts, Università della Svizzera italiana, Switzerland Benedetto Lepori, Università della Svizzera italiana, Switzerland Mabel Sánchez Barrioluengo, The University of Manchester, United Kingdom	Institutional Attractiveness and Student Inward Mobility Trends in Europe, a Longitudinal Approach

SS20 - 01. Mission-oriented Innovation Policies and their Multiscalar Dynamics: The Possibilities and Challenges for Regions

Wed Jan 10, 11:15 - 13:00, Room 4.205

CHAIR: Kevin Morgan, Cardiff University, United Kingdom

Charles Abbott, University of Stavanger, Norway Rune Dahl Fitjar, University of Stavanger Business School, Norway	The Mission Condition: Conditionality in the Implementation of Smart Specialisation in the European Union
Anna Butzin, Institute for Work and Technology, Westphalian University of Applied Sciences, Germany Judith Terstriep, Institute for Work and Technology, Westphalian University of Applied Sciences, Germany Maria Rabadjeva, Institute for Work and Technology, Westphalian University of Applied Sciences, Germany	Challenge-based Regional Innovation Policies – Anchoring Missions through Participatory Knowledge Production

Dylan Henderson, Cardiff University, United Kingdom Kevin Morgan, Cardiff University, United Kingdom Rick Delbridge, Cardiff University, United Kingdom	Complex, Messy and Contested: Micro-missions in Public Food Transition
Mateusz Ziembla, University of Manchester, United Kingdom Elvira Uyarra, Alliance Manchester Business School, University of Manchester, United Kingdom Jonatan Pinkse, Alliance Manchester Business School, University of Manchester, United Kingdom	The Uphill Battle for Reinventing Post-industrial Regions: The Case of Greater Manchester's Vision of Clean Growth.

SS01 - 01. Innovation in the Bioeconomy and Regional Sustainability Transitions: Promises, Pitfalls and Contradictions

Wed Jan 10, 11:15 - 13:00, Room 3.213

CHAIR: Sebastian Losacker, Justus Liebig University Giessen, Germany

Francesca Mazzoni, GSSI, Italy Sebastian Losacker, Justus Liebig University Giessen, Germany	Global Innovation System Configurations in a Future Sustainable Bio-based Construction Sector
Lukas Kriesch, AG Wirtschaftsgeographie JLU Gießen, Germany Sebastian Losacker, Justus Liebig University Giessen, Germany	Bioeconomy Firms and where to find them
Maike Becker, University of Hohenheim, Germany Francesco Cappellano Indra da Silva Wagner Bernd Ebersberger Teemu Makkonen, University of Eastern Finland, Finland	The HEI-Way to Bioeconomy – Higher Education Institutions and Regional Readiness to Tackle the Bioeconomy Challenge
Jonathan Friedrich, Leibniz Centre for Agricultural Landscape Research (ZALF), Germany Jana Zscheischler, Geography, Faculty II, University of Vechta, Germany	Bioeconomic Innovations, Local Expectations, and Technological Fixes: Empirical Findings from Germany and India

SS31 - 01. The Uneven Geography of Standards

Wed Jan 10, 11:15 - 13:00, Room 2.220

CHAIR: Kerstin J. Schaefer, London School of Economics and Political Science, United Kingdom

Peiyu Zhan, Alliance Manchester Business School & MIOIR, The University of Manchester, United Kingdom Silvia Massini, Alliance Manchester Business School & MIOIR, The University of Manchester, United Kingdom Mabel Sánchez-Barrioluengo, Alliance Manchester Business School & MIOIR, The University of Manchester, United Kingdom	The Role of Standardisation in the Diffusion of Digital Technology Innovations
Charlotte Rochell, Technical University Berlin, Germany Luzie Kromer, Technical University Berlin, Germany Alex Kann, ZEW Centre for European Economic Research, Mannheim, Germany Knut Blind, Technical University Berlin; Fraunhofer Institute of Systems and Innovation Research, Karlsruhe, Germany	The Geography of Standards – a Regional Analysis of ISO Management System Standards Adoption in Germany
Assiya Kenzhegaliyeva, Norwegian University of Science and Technology, Norway Asbjørn Karlsen, Norwegian University of Science and Technology, Norway	Power Relations, Capabilities and Time in Global Production Networks: ISO's Standardization for a Transition to Circular Economy

Flavio Besana, TU Delft, The Netherlands Filippo Grillo, TU Delft, The Netherlands Martijn Wiarda, TU Delft, The Netherlands Henk J. de Vries, Erasmus University, TU Delft, The Netherlands	Standardization for Adaptation to Rising Sea Levels
---	---

OT08 - 03. Geographies of green and sustainable innovation

Wed Jan 10, 11:15 - 13:00Room 2.219

CHAIR: Nicolo Barbieri, University Of Ferrara, Italy

Francesco de Cunzo, University of Siena, Italy, Italy Davide Consoli, INGENIO [CSIC-Universitat Politècnica de València], Spain François Perruchas, University of Valencia, Department of Management, Spain Angelica Sbardella, Enrico Fermi Research Center, Rome, Italy	Mapping Critical Raw Materials in Green Technologies
Angelica Sbardella, Enrico Fermi Research Institute, Italy Nicolò Barbieri, Department of Economics and Management, University of Ferrara, Ferrara, Italy Lorenzo Napolitano, European Commission, Joint Research Centre (JRC), Seville, Spain Davide Consoli, INGENIO (CSIC–Universitat Politècnica de Valencia), Valencia, Spain Francois Perruchas, INGENIO (CSIC–Universitat Politècnica de Valencia), Valencia, Spain	Regional Technological Capabilities and Green Opportunities in Europe
Xiaocan Yuan, Warwick Business School, United Kingdom Jun Du, Aston Business School, United Kingdom Meng Song, Leeds University Business School, United Kingdom	Agglomeration Externalities Of Green Innovation
Nicolò Barbieri, University Of Ferrara, Italy	Environmental and Income Inequalities: A Glance from the Outer Space

SS04 - 01. The Geography of University Entrepreneurial Ecosystems: Actors, Outcomes, and Evolution

Wed Jan 10, 11:15 - 13:00Room 5.212

CHAIR: Chiara Marzocchi, Newcastle UniversityUnited Kingdom

Helen Lawton Smith, Birkbeck University of London, United Kingdom	Changing Role of Universities in the Geographies of Inclusive Entrepreneurial Ecosystems
Daniel Prokop, Cardiff University, United Kingdom	The Levels of Ecosystems: Positioning University Entrepreneurial Ecosystems
Frank van Rijnsoever, Utrecht University, The Netherlands, Jip Leendertse, Utrecht University, The Netherlands Iris Wanzenböck, Utrecht University, The Netherlands Yvette Baggen, Wageningen University and Research, The Netherlands	Staying on Topic? The Relative Influence of University Education and Research on Related Entrepreneurial Activities
Janek Riedel, Philipps University of Marburg, Germany Simone Strambach, Philipps University of Marburg, Germany	University Entrepreneurial Ecosystems (UEE) and Path Plasticity – Universities as Change Agents in Sustainability Oriented Transformation Pathways

SS27 - 01. Innovation, Institutions and the Geography of the Economic System

Wed Jan 10, 11:15 - 13:00, Room 5.205

CHAIR: Raquel Ortega Argiles, University of Manchester, United Kingdom

Andrea Ascani, GSSI - Gran Sasso Science Institute, Italy Lakshmi Balachandran Nair, LUISS, Italy	Innovation and Zombie Firms: Empirical Evidence from Italy
Raquel Ortega-Argiles, University of Manchester, United Kingdom Pei-Yu Yuan, CityREDI Institute, Birmingham Business School, United Kingdom Gloria Cicerone, GSSI - Gran Sasso Science Institute, Italy	R&D Support, Innovation and Regional Performance
Martina Pardy, London School of Economics, United Kingdom	Brexit and Digital Technology Adoption of UK SMEs

SS14 - 02. Data and network science in economic geography

Wed Jan 10, 14:00 – 15:45, Room 1.218

CHAIR: Sándor Juhász, Complexity Science Hub Vienna, Hungary

Sándor Juhász, Complexity Science Hub Vienna, Hungary	Amenity Complexity and Urban Locations of Socio-economic Mixing
JongHyun Kim, Inha University, Korea, Republic of Hyoji Choi, Inha University, Korea, Republic of Dongwoo Seo, Inha University, Korea, Republic of Donghyun Yu, Inha University, Korea, Republic of Bogang Jun, Inch University, Korea, Republic of	An Empirical Approach to the meaning of Complexity in the Amenity industry
Calum Robertson, La Rochelle University, NUDD, France Raphaël Suire, Nantes University, LEMNA, France Sylvain Dejean, La Rochelle University, NUDD, France	Unpacking and Measuring Urban Complexity : Evidence from Amenities in Paris
Federico Nutarelli, Bocconi University, Italy Samuel Edet, International Finance Corporation, Washington, United States Giorgio Gnecco, IMT School for Advanced Studies - Lucca, Italy Massimo Riccaboni, IMT School for Advanced Studies, Lucca, Italy	Forecasting Competitiveness of Cities with Matrix Completion

SS33 - 02. Income inequality (Geographies of Innovation and Well-being)

Wed Jan 10, 14:00 – 15:45, Room 4.204

CHAIR: Ron Boschma, Utrecht University, The Netherlands

Camilla Lenzi, Politecnico di Milano, Italy Roberta Capello, Politecnico di Milano, Italy Elisa Panzera, Politecnico di Milano, Italy	Cities as Multipliers of Wage Inequalities from Digitalisation
Korneliusz Pylak, Lublin University of Technology, Poland Mateusz Traczyński, Lublin University of Technology, Poland	Success Breeds Inequality: Innovation and Income from a Micro Perspective of Cities

Astrid Krisch, University of Oxford, United Kingdom	Innovative Deliberative Democracy for Eco-Social Wellbeing: The Cases of Citizens Juries and Participatory Budgeting in Vienna (AT) and Oxford (UK)
Wanxiang Cai, Cardiff University, United Kingdom Xing Li, Utrecht University School of Economics, The Netherlands Niels Bosma, Utrecht University School of Economics, The Netherlands	Legitimacy Spillover and Social Venture Creation: A Study based on Spatial Durbin Model

SS02 - 02. Innovation in Emerging and Developing Economies

Wed Jan 10, 14:00 – 15:45, Room 2.218

CHAIR: Canfei He, Peking University, China

Xiaodan Yu, University of Nottingham Ningbo China, China Simone Maria Grabner, Institute for SME Research, Technology & Innovation Unit, Vienna, Austria Xiuping Hua, Nottingham University Business School China, University of Nottingham Ningbo China, Ningbo, China Haolin Li, Nottingham University Business School China, University of Nottingham Ningbo China, Ningbo, China	The Twin Transition in Chinese Regions: Joining Green and Digital Transformations
Dorothee Apfel, Nuertingen-Geislingen University, Germany Steffen Haag, University of Hamburg; Nuertigen-Geislingen University, Germany Carsten Herbes, Nuertigen-Geislingen University, Germany	Driving the Local Energy Transition through Multinational Renewable Energy Finance? Insights from a Case Study in Senegal on Small Economic Actors
Saverio Barabuffi, Scuola Superiore Sant'Anna, Italy Jacopo Cricchio, Scuola Superiore Sant'Anna, Italy Guido Piali, University College of London, United Kingdom Alberto Di Minin, Scuola Superiore Sant'Anna, Italy	China's Cross-regional Scientific Knowledge Spillovers and Regional Specialization in Artificial Intelligence
Ziyu Chen, The University of Hong Kong, Hong Kong Xiaohu Zhang, The University of Hong Kong, Hong Kong SAR, China	The Microgeography of Regional Diversification: The Differentiated Role of Clusters

SS30 - 02. The Library of Babel: Uncovering Knowledge in Unstructured Textual Data to Better Understand the Geography of Innovation

Wed Jan 10, 14:00 – 15:45, room 2.217

CHAIR: Martin Henning, University of Gothenburg, Sweden

Sergey Sosnovskikh, University of Salford, United Kingdom Mateusz Traczyński, Lublin University of Technology, Poland Korneliusz Pylak, Lublin University of Technology, Poland	Cracking the Code of Innovation: Decoding Unstructured Website Text for Predicting Company Innovation in Time and Space
Tom Broekel, University of Stavanger Business School, Norway	How News Data Can Reveal the Regional Economic and Innovation Climate: The RegNeS-Database
Sigrid Jessen, Aalborg University Business School, Denmark	Informal Institutions, Information, and Innovation: Regional Co-evolution of Technological Discourses and AI Investments in Denmark

Milad Abbasiharofteh, University of Groningen, The Netherlands Lukas Kriesch, University of Giessen, Germany	Mapping the Geography of the Twin Transition: A Machine Learning Approach
---	---

SS16 - 02. Innovation and Path Dependence

Wed Jan 10, 14:00 – 15:45, Room 3.214

CHAIR: Felix Schmidt, Philipps-Universität Marburg, Germany

Luis Orozco, Institut d'Etudes Politiques de Toulouse, France Geoffroy Labrousse, University of Toulouse, LEREPS, France Simon Nadel, Université de Lille, Clerse, France	Analyzing Technological Trajectories in Biogas: A Main Path Analysis of Patent Citation Networks
Arzu Ulusoy Shipstone, PSU, United States	Path Dependence as a Key Axis for the New Innovation Policies: The Case of the Fourth Industrial Revolution
Hélder Santos, University of Porto / CEGOT-Geography and Spatial Planning Research Centre, Portugal Margarida Fontes, LNEG – National Laboratory of Energy and Geology, Portugal Teresa Sá Marques, University of Porto / CEGOT-Geography and Spatial Planning Research Centre, Portugal	Winds of Change: The Potential Path Disturbing Effect Induced by the Offshore Wind Technology.
Yohanes Kadarusman, Universitas Prasetiya Mulya, Indonesia Lionel Priyadi, Universitas Prasetiya Mulya, Indonesia Ulrich Hansen, Technical University of Denmark, Denmark Ivan Nygaard, Technical University of Denmark, Denmark	Windows of Opportunity and Industrial Policy in Indonesia: A Comparison between Automotive, Telecommunication and Solar PV Manufacturing Industries

SS18 - 02. International Students and Innovation

Wed Jan 10, 14:00 – 15:45, Room 3.204

CHAIR: Guido Buenstorf, University of KasselGermany

Guido Buenstorf, University of Kassel, Germany Johannes Koenig, INCHER, University of Kassel, Germany Burcu Ozgun, INCHER, University of Kassel, Germany	Migration and International Mobility in Academic Careers: Evidence from Germany
Alina Meloyan, University of Stavanger, Norway Dian Liu, University of Stavanger, Norway Marte Cecilie Wilhelmsen Solheim, University of Stavanger, Norway	Universities Respond to Crisis: Introduction of Tuition Fees for International Students in Norway
Alberto Corsini, CSIC-IPP, Spain Catalina Martinez, CSIC-IPP, Spain Ernest Miguelez, Université de Bordeaux, France	Understanding the Influence of Regional, Institutional, and Individual Factors on Spanish Doctoral Graduates' Career Trajectories
Sawan Rathi, Indian Institute of Management, Ahmedabad, India Shubhangi Agrawal, University of Edinburgh, United Kingdom Chirantan Chatterjee, SPRU - University of Sussex, United Kingdom	Do Stronger IPR Incentivize Female Participation in Innovation? Evidence from Chinese AI Patents

SS20 - 02. Mission-oriented Innovation Policies and their Multiscalar Dynamics: The Possibilities and Challenges for Regions

Wed Jan 10, 14:00 – 15:45, Room 4.205
CHAIR: Dylan Henderson, Cardiff UniversityUnited Kingdom

Jesse de Pagter, Center for Social Innovation (ZSI), Vienna, Austria Stefan Philipp, Center for Social Innovation (ZSI), Vienna, Austria Tess Landon, Center for Social Innovation (ZSI), Vienna, Austria	Technoscientific Fixes and Stakeholder Visions: Towards Transformative Narratives for Climate Adaptation
Francesco Cappellano, University of Eastern Finland, Italy Matjaz Vidmar, University of Edinburgh, United Kingdom	Foresight Exercises for a Societal Challenge-oriented Regional Development Policy
Sabine Marr, Leibniz Institute of Ecological & Regional Development, Germany Franziska Goermer, Leibniz-Institute for Regional Geography, Germany Artem Korzhenevych, Leibniz-Institute of Ecological Urban and Regional Development, Germany Katrin Martens, Humboldt University Berlin, Germany	A Conceptual Framework for Assessing and Comparing Transformative Regional Innovation Systems
Laura Norris, School of Geography and Planning, Cardiff University, United Kingdom	Net Zero Shipping: Towards Mission-oriented Regional Policies in a Global Innovation System.

SS31 - 02. The Uneven Geography of Standards

Wed Jan 10, 14:00 – 15:45, Room 2.220
CHAIR: Emilio Raiteri, Eindhoven University of TechnologyThe Netherlands

Sabrina Weithmann, Aschaffenburg University of Applied Sciences, Germany	Examining the Validity of the Standardization Development Concept for the Indian and Indonesian Markets: A Proof-of-Concept Study through Focus Group Research
Lennart Schott, Leibniz University Hannover, Germany Kerstin J. Schaefer, Utrecht University, The Netherlands Rudi Bekkers, Eindhoven University of Technology, The Netherlands	Windows of Opportunity in Standardization? How Latecomers Catch up via Technological Shifts and Inter-organizational Collaboration
Justus Baron, Northwestern University, United States Tatiana Rosa, Universidad Catolica de Chile, Chile	Geographical Patterns in Standardization Meeting Attendance

SS29 - 02. Territorial and Institutional Transformations caused by the Digitalization Process

Wed Jan 10, 14:00 – 15:45, Room 5.206
CHAIR: Alessia Matano, University of Rome "La Sapienza"Italy

Josep Lladós-Masllorens, Universitat Oberta Catalunya, Spain Antoni Meseguer-Artola, Universitat Oberta de Catalunya, Spain	Changes In Spanish Labour Market: Is Digitalization Making a Difference?
Claudia Vecciolini, Kings College London, United Kingdom Lisa De Propriis, University of Birmingham, United Kingdom	The Role of Space in Niche-regime Interactions: A Study of Digital Transition in UK Regions

Erica Santini, University of Trento, Italy	
Alessia Matano, University of Rome "La Sapienza", Italy Enrique Lopez-Bazo, Universitat de Barcelona, Spain	Geographical Disparities in the Impact of Import Competition on Radical and Incremental Innovation
Valeria Maruseva, Fraunhofer ISI, Germany Henning Kroll, Fraunhofer ISI, Germany	Spatial Distribution and determinants of Digital Business Development: Evidence from the Peripheral Regions of Germany

SS05 - 02. Innovation, Immigration and Diversity in Firms and Cities

Wed Jan 10, 14:00 – 15:45, Room 2.219

CHAIR: Max Nathan, CASA, University College London, United Kingdom

Benjamin Cornejo Costas, Utrecht University, The Netherlands Nicola Cortinovis, Utrecht University, The Netherlands Andrea Morrison, University of Pavia - Utrecht University, Italy	Highly-skilled Migrants, Social Capital and Green Innovation in European Regions
Niels Wendt, Leibniz University Hanover, Germany	Innovative Potentials of Migrant Entrepreneurs in Germany
Federico Caviggioli, Politecnico di Torino, Italy	Italian Independent Inventors: Gender Gaps and Employability
Michelle Marshalian, OECD, France Michelle Marshalian, OECD and Paris 1, France Jiang Beryl Li, ISED, Canada	The Rural-Urban Divide and Entrepreneurial Diversity in Canada

SS04 - 02. The Geography of University Entrepreneurial Ecosystems: Actors, Outcomes, and Evolution

Wed Jan 10, 14:00 – 15:45, Room 5.212

CHAIR: Daniel Prokop, Cardiff University, United Kingdom

Franz Flögel, Institute For Work And Technology, Germany Anna Butzin, Institute for Work and Technology Westphalian University of Applied Sciences Gelsenkirchen, Germany Kerstin Meyer, Institute for Work and Technology Westphalian University of Applied Sciences Gelsenkirchen, Germany	The Emergence of a University Entrepreneurial Ecosystem in a Lagging Region – Place-making Processes in the Ruhr
Sierdjan Koster, University of Groningen, The Netherlands Viktor Venhorst, University of Groningen, The Netherlands	The Early Career Effects of being Self-employed while Studying
Chiara Marzocchi, Newcastle University, United Kingdom James Cunningham, Newcastle University, United Kingdom	Entrepreneurial University Architecture Value Creation Signally to Ecosystem Stakeholders: A Conceptual Framework
Natalya Radko, Lancaster University Management School, United Kingdom	Mind the History: The Birth and Evolution of an Entrepreneurial Ecosystem

SS27 - 02. Innovation, Institutions and the Geography of the Economic System

Wed Jan 10, 14:00 – 15:45, Room 5.205

CHAIR: Philip McCann, University of Manchester, United Kingdom

Neil Lee, London School of Economics, United Kingdom Han Wang, LSE, United Kingdom	Inclusive Institutions and the Persistence of Entrepreneurship and Innovation in China
Andres Rodriguez-Pose, London School of Economics, Spain Peter Teirlinck, KU Leuven, Belgium Zhuoying You, KU Leuven, Belgium	The Political Extremes and Innovation: How Anti-system Support Shapes Overall and Green Innovation in Europe
Shiri M. Breznitz, University of Toronto, Canada Qiantao Zhang, Xi'an Jiaotong-Liverpool University (XJTLU), China	IP Policies, Universities' Commercialization Policies, and Performance

SS14 - 03. Data and network science in economic geography

Wed Jan 10, 16:15 - 18:00, Room 1.218

CHAIR: Neave O'Clery, University College London United Kingdom

Zoltán Elekes, Centre for Economic and Regional Studies, Hungary Gergő Tóth, CERUM, Umeå University, Sweden Rikard Eriksson, Department of Geography, Umeå University, Sweden	Robust Labour-flow Networks of Industries Make Resilient Regions
Andrea Musso, ETHZ, Switzerland Simone Daniotti, Complexity Science Hub Vienna, Austria Florain Hack, Humbolt University, Germany Max Sina Knicker, Ecole Polytechnique Paris, France	Occupational Similarity Increases Inter-occupational Productivity Externalities
Neave O'Clery, University College London, United Kingdom Mattie Landman, University of Oxford, United Kingdom	How Does Knowledge Flow in European Labour Mobility Networks? A Method to Detect Localised Similarities in the Structure of Industrial Clusters.
Gergo Toth, Spatial Dynamics Lab, University College Dublin/ ANET LAB, Budapest, Ireland Zoltan Elekes, CERUM, Umeå University, Sweden Rikard Eriksson, CERUM, Umeå University, Sweden Dieter Kogler, University College Dublin, Ireland	Structural Dimensions of Inter-Occupation Labour Flow

SS33 - 03. Institutions and well-being (Geographies of Innovation and Well-being)

Wed Jan 10, 16:15 - 18:00, Room 4.204

CHAIR: Koen Frenken, Copernicus Institute of Sustainable Development, Utrecht University, The Netherlands

Pablo Rodriguez Talavera, University of Deusto, Spain Eduardo Sisti, Orkestra – Basque Institute of Competitiveness, Spain James Willson, Orkestra – Basque Institute of Competitiveness, Spain Susana Franco, Orkestra – Basque Institute of Competitiveness, Spain	Linkages between Innovation and Well-being: A Regional Analysis
---	---

Stuti Haldar, Indian Settlement for Human Settlements, India Markus Grillitsch, Department of Human Geography, and CIRCLE, Lund University, Sweden	Beyond Technocentrism: Unpacking Capabilities and Human Agency in Energy Transition Processes
Daniele Gasparini, Maastricht University, The Netherlands Peter Mulder, Utrecht University, The Netherlands Jessie Bakens, Maastricht University, The Netherlands Nico Pestel, Maastricht University, The Netherlands	Regional Vulnerability to the Energy Transition in the Netherlands: Assessing Firm and Labour Market Dynamics
Peter Mulder, TNO Energy Transition Studies, The Netherlands Anika Batenburg, TNO Energy Transition Studies, The Netherlands Francesco Dalla Longa, TNO Energy Transition Studies, The Netherlands	Spatial Distribution of Households Energy Costs Across the Netherlands. The Role of Housing Quality, Income, and Ownership in Relation to Location.

SS02 - 03. Innovation in Emerging and Developing Economies

Wed Jan 10, 16:15 - 18:00, Room 2.218

CHAIR: Ron Boschma, Utrecht University, The Netherlands

Margarida Bandeira Morais, National Institute of Economic and Social Research, United Kingdom Simona Iammarino, University of Cagliari, Italy Neil Lee, London School of Economics, United Kingdom	Economic Complexity, Exports and Natural Resources in the Gulf Cooperation Council
Gautam Sharma, Lund University, Sweden	Contextualizing Makerspaces and Fabrication Laboratories (fablabs) in India's Informal Innovation Landscape
Florian Schneider, Leibniz University Hannover, Germany	Efficiency of University-Industry Collaboration and its Determinants: The Case of Tongji Architecture Design Group (Shanghai)
Thomas Brenner, Philipps-Universität Marburg, Germany Felix Schmidt, Philipps-Universität Marburg, Germany	Effects of Governmental Subsidies on the Living Conditions and Innovation Networks in Lagging Regions

SS28 - 01. Narratives, News, and the Power of Sentiments

Wed Jan 10, 16:15 - 18:00, room 2.217

CHAIR: Tom Broekel, University of Stavanger Business SchoolNorway

Franziska Görmar, Leibniz Institute for Regional Geography, Germany Thilo Lang, Leibniz Institute for Regional Geography, Germany	"We Need to go the Way Jointly" – On the Role of Narratives in Innovation Processes for Transformative Regional Development
Burcu Ozgun, University of Kassel, Germany Tom Broekel, University of Stavanger, Norway	Geography of News
Moritz Schütz, Justus-Liebig-Universität Gießen, Germany	Leveraging Web Data to Identify Regional Policy Priorities and Narratives in Germany
Jessica Birkholz, University of Bremen, Germany Björn Jindra, Copenhagen Business School & University of Bremen, Denmark Philip Kerner, University of Bremen, Denmark Mariia Shkolnykova, Masaryk University & University of Bremen, Czechia	Trust in me: The Relation between Resilience of Green Political Narratives and Connectivity and Diversity of Green Technology Development

SS24 - 01. Innovation Based Regional Development

Wed Jan 10, 16:15 - 18:00, Room 3.214

CHAIR: Guido Buenstorf, University of Kassel, Germany

Silvia Rocchetta, Dublin City University, Ireland Robert Gillander, Dublin City University, Ireland Martina Iori, Sant'Anna School of Advanced Studies, Italy Andrea Mlna, Sant'Anna School of Advanced Studies, Italy	Technological Diversification Shocks and the Growth of Regions
Cornelia Lawson, University of Manchester, United Kingdom Isabel Bodas Freitas, Grenoble Ecole de Management, France Fakher Omezzine, Montpellier Business School, France	To Exit or to Remain in Informality? A Study of Informal Entrepreneurs' Exit Intention in Three African Countries
Maximilian Goethner, University of Twente, The Netherlands Matthias Menter, Friedrich Schiller University Jena, Germany Martin Kalthaus, University of Southern Denmark, Denmark	Knowledge Cross-fertilization and regional Innovation
Maureen McKelvey, University of Gothenburg, Sweden Pontus Braunerhjelm, Stockholm and Blekinge Institute of Technology, Sweden Martin Andersson, University of Blekinge - CIRCLE, University of Lund, Sweden	Inclusive and Sustainable City Growth Policy in Practice

OT13. Labour Markets and the Geography of Innovation

Wed Jan 10, 16:15 - 18:00, Room 3.204

CHAIR: Tommaso Ciarli, UNU-MERIT, The Netherlands

Sanna Ojanperä, University of Oxford and The Alan Turing Institute, United Kingdom Neave O'Clery, The Bartlett Centre for Advanced Spatial Analysis, University College London, United Kingdom	Logging into the Planetary Labour Market: Quantifying Skill Diversity on Online Labour Platforms
Filippo Bontadini, LUISS University, Italy Federico Frattini, Fondazione Eni Enrico Mattei, Italy Francesco Vona, University of Milan, Fondazione Eni Enrico Mattei and OFCE-Sciences Po, Italy	Green Specialization and Labour Market Outcomes in EU Manufacturing Industries
Kadri Kuusk, University Of Gothenburg, Sweden	Related Diversification: Inter-path Complementarity and Competition at Local Labour Markets
Tommaso Ciarli, UNU-MERIT, The Netherlands Florenca Jaccoud, UNU-MERIT, The Netherlands Fabien Petit, University College London, United Kingdom Maria Savona, University of Sussex, United Kingdom	Technological Cycles and Labor Markets: Evidence from European Regions

OT11 - 01. Policies for Innovation and Development in Countries and Regions

Wed Jan 10, 16:15 - 18:00, Room 4.205

CHAIR: Anabela Santos, European Commission, Joint Research CentrePortugal

Anna Dabrowska, University of Warsaw, Poland	When University Researchers meet Policy Makers... The Evidence from Poland and Implications for Future Research
Chih-wei Yeh, National Sun-yat Sen University, Taiwan, China	Echos in the Taiwanese Semiconductor Research Policy: The Triple Helix Model of Innovation Revisited
Nick Clifton, Cardiff Metropolitan University, UK Gary Walpole, Cardiff Metropolitan University, UK	Innovation Policy for the Circular Economy – Setting Future Agendas.
Anabela Santos, European Commission, Joint Research Centre, Portugal Marie Lalanne, Joint Research Centre, European Commission, Spain Alex Coad, Waseda University Business School, Japan	Governance and the Effectiveness of Research & Innovation Funding: Evidence from European Regions

SS01 - 03. Innovation in the Bioeconomy and Regional Sustainability Transitions: Promises, Pitfalls and Contradictions

Wed Jan 10, 16:15 - 18:00, Room 3.213

CHAIR:Teis Hansen, University of Copenhagen, Denmark

Sigrid Damman, SINTEF, Norway Assiya Kenzhegaliev, SINTEF, Norway Eli Sandberg, SINTEF, Norway	Assessing Impacts of Biofuel Innovation on Regional Sustainability Transition: A Case-study in Innlandet, Norway
Michael P. Schlaile, Leibniz Centre for Agricultural Landscape Research (ZALF), Germany Jonathan Friedrich, Leibniz Centre for Agricultural Landscape Research (ZALF), Germany Luise Porst, Leibniz Centre for Agricultural Landscape Research (ZALF), Germany Jana Zscheischler, Leibniz Centre for Agricultural Landscape Research (ZALF) University of Vechta, Germany	Bioeconomy for whom? Towards Just and Responsible Regional Innovation in the Bioeconomy
Max Mittenzwei, Fraunhofer IMW, Germany Daniel Schiller, University of Greifswald, Germany	Knowledge and Innovation in a Low-Tech Agri-Food Value Chain: The Bioeconomic Innovation System of the Sugar Industry
Luana Ladu, Technical University of Berlin, Germany Nikola Matovic, Technische Universität Berlin, Germany	How to Measure the Robustness and Effectiveness of Certification Schemes and Labels in Ensuring the Sustainability of Bio-based Products

SS31 - 03. The Uneven Geography of Standards

Wed Jan 10, 16:15 - 18:00, Room 2.220

CHAIR: Carolina Castaldi, Utrecht University, China

Janpieter van der pol, Utrecht University, The Netherlands	The Geography of the 5G Standard
Jussi Heikkilä, Lappeenranta-Lahti University of Technology LUT, Finland Tero Rantala, LUT University, Finland Satu Rinkinen, LUT University, Finland	IPR and Standardization Strategies of Companies in the Presence of the Brussels Effect: Evidence from Finland

Emilio Raiteri, Eindhoven University of Technology, The Netherlands Carlo Bottai, University of Milan, Italy Rudi Bekkers, Eindhoven University of Technology, The Netherlands	Government-sponsored Research and Technical Standards: Evidence from Standard-essential Patents
--	---

OT13. FDI, Trade and the geography of innovation

Wed Jan 10, 16:15 - 18:00, Room 5.206

CHAIR: Tarmo Kalvet, Tallinn University of Technology Estonia

Lin Zhang, Aston University, United Kingdom Jun Du, Aston University, United Kingdom	Unleashing the Power of Industrial Design: A Catalyst for Export Growth
Vito Amendolagine, The University of Foggia, Italy Roberta Rabbellotti, University of Pavia, Italy Dalila Ribaudo, Aston Business School, United Kingdom	Green FDI and Technological Spillovers in Host Economies
Mariia Shkolnykova, University of Bremen and Masaryk University, Germany	The Impact of FDI-related Labour Mobility on the Innovation Performance of Domestic Firms: Evidence from V4 Countries
Tarmo Kalvet, Tallinn University of Technology, Estonia Ivo Mehide, Policy Lab, Estonia Marek Tiits, TalTech, Estonia	Identifying Good Trade: The Case of Estonia

OT08 - 01. Geographies of green and sustainable innovation

Wed Jan 10, 16:15 - 18:00, Room 2.219

CHAIR: Balazs Pager, University of Vienna, Austria

Simon Baumgartinger-Seiringer, University of Vienna, Austria Michaela Trippl, University of Vienna, Austria Balázs Páger, University of Vienna, Austria Veronika Desch, University of Vienna, Austria Maximilian Benner, University of Vienna, Austria	Towards a Challenge-oriented Approach for Regions in Industrial Transition
Rahel Meili, Bern University of Applied Science, Switzerland Tobias Stucki, Bern University of Applied Science, Switzerland Ingrid Kissling-Näf, Bern University of Applied Science, Switzerland	Learning from the Best: How Regional Knowledge Stimulates Circular Economy Transition at Company Level
Kevin Soucard, Bordeaux School of Economics, University of Bordeaux, France Ernest Miguelez, Bordeaux School of Economics, UMR CNRS 6060, Bordeaux University, France Maïder Saint Jean, Bordeaux School of Economics, UMR CNRS 6060, Bordeaux University, France	Policy Mix and Diffusion of Complex Green Technologies in Europe: Evidence from Green Patents
Balazs Pager, University of Vienna, Austria Simon Baumgartinger-Seiringer, University of Vienna, Austria Veronika Desch, University of Vienna, Austria Michaela Trippl, University of Vienna, Austria	Regional Sustainability Transition: Evidence on Challenges and Responses from 10 Disadvantaged Danube Regions

ROUNDTABLE: Entrepreneurial Ecosystems in Cities and Regions

Wed Jan 10, 16:15 - 18:00, Room 5.212

CHAIR: Rob Huggins, Cardiff University, United Kingdom

Participants

Piers Thompson. Nottingham Trent University
Fumi Kitagawa. City-Redi. University of Birmingham
Dan Prokop. Cardiff University
Shiri Bretnitz. University of Toronto
Helen Lawton-Smith. Birkbeck University of London
Shauna Brail. University of Toronto
Michael Fritsch. Friedrich-Schiller-University Jena
Neil Lee. London School of Economics

SS27 - 03. Innovation, Institutions and the Geography of the Economic System

Wed Jan 10, 16:15 - 18:00, Room 5.205

CHAIR: Philip McCann, University of Manchester, United Kingdom

John Agyekum Addae, LUT University, Finland Sheraz Ahmed, LUT University, Finland Mikael Collan, LUT University, Finland Mara Madaleno, University of Aveiro, Portugal	Mediating Role of Institutional Quality between Fintech-Bigtech Lending and Economic Development: Global Evidence
Reitze Gouma, University of Groningen, The Netherlands Olga Menukhin, The Productivity Institute, University of Groningen, The Netherlands, United Kingdom Raquel Ortega-Argilés, The Productivity Institute, University of Manchester, United Kingdom	TPI Productivity Scorecard: Analyzing Innovation and Productivity Relationships in the United Kingdom's ITL3 Geographies
Xin Deng, University of Manchester, United Kingdom Hesham Ali, University of Nottingham, United Kingdom	Local Corruption and Innovation Strategies
Dalila Ribaudo, University of Pavia, Italy Jun Du, Aston Business School, Aston University, United Kingdom	Brexit and International R&D Collaboration Between Firms

Plenary 2- Innovation for Sustainability in a Multi-scalar World

Thurs, Jan 11, 9:00 – 10:30 Theatre B

CHAIR: Elvira Uyarra, University of Manchester, UK

Christian Binz, Eawag, Switzerland	Tackling the Multi-scalar Geographies of Transformative Innovation
Valentina De Marchi, ESADE Business School, Spain	Scaling up for Sustainability

SS14 - 04. Data and network science in economic geography

Thurs Jan 11, 11:00 - 12:45, Room 1.218

CHAIR: Sándor Juhász, Complexity Science Hub Vienna, Hungary

Young-Long Kim, Gachon University, Korea	The Spatiotemporal Dynamics of Urban Resilience in the Inter-urban Mobility Network
Tongjing Wang, Utrecht University, The Netherlands Evert Meijers, Utrecht University, The Netherlands Ziyu Bao, Delft University of Technology, The Netherlands Huijuan Wang, Delft University of Technology, The Netherlands	Intercity Networks and Urban Performance: A Geographical Text Mining Approach
Max Knicker, Ecole Polytechnique Paris, France Karl Naumann-Woleske, Ecole Polytechnique Paris, France Michael Benzaquen, Ecole Polytechnique Paris, France Jean-Philippe Bouchaud, Ecole Polytechnique Paris, France	Accessibility and Transferability in the Labour Market
Francesco Luigi Milone, Politecnico di Torino, Italy Luigi Buzzacchi, Politecnico di Torino, Italy Luca Grilli, Politecnico di Torino, Italy	Heterogeneous Cross Side Network Externalities in Spatially Localized Platforms: evidence from Airbnb

SS33 - 04. Sustainability transitions and human well-being (Geographies of Innovation and Well-being)

Thurs Jan 11, 11:00 - 12:45, Room 4.204

CHAIR: Emil Evenhuis, PBL - Netherlands Environmental Assessment Agency, The Netherlands

Federico Martellozzo, University of Florence, Italy Filippo Randelli, University of Florence, Italy Lucia Ferrone, University of Florence, Italy Matteo Dalle Vaglie, University of Florence, Italy	Agricultural Vulnerability to Sea Level Rise: the Innovative Solution of Saline Agriculture
Mario Biggeri, University of Florence, Italy Adam Francescutto, University of Florence, Italy Giulio Guarini, University of Florence, Italy	Innovation for Sustainable Human Development and Multidimensional Wellbeing in European Regions
Francesco Dalla Longa, TNO Energy Transition Studies, Utrecht University, The Netherlands Peter Mulder, TNO Energy Transition Studies, The Netherlands Reinier Sterkenburg, TNO Sustainable and Urban Mobility, The Netherlands	Stuck in the Energy Transition. A Spatial Analysis of Transport Poverty in the Netherlands
Max Hoos, Eawag, Switzerland, and Utrecht University, The Netherlands	Valuation Capabilities in a Global Innovation System – The Case of New Approach Methodologies in the Safety Assessment of Chemicals

Bernhard Truffer, Eawag, Switzerland, and Utrecht University, The Netherlands	
---	--

OT13. Innovation in emerging economies

Thurs Jan 11, 11:00 - 12:45, Room 2.218

CHAIR: Helka Kalliomäki, University of Vaasa, Finland

Theresa Bürscher, Austrian Institute of Technology, Austria Thomas Scherngell, Austrian Institute of Technology, Austria	Regional Inequality in Innovation: Estimating Effects from Technological Relatedness, Complementarity and Complexity
Yang Liu, University of Greifswald, Germany Wenying Fu, Northumbria University, United Kingdom Daniel Schiller, University of Greifswald, Germany	University-Industry Linkages in China from the Agency Perspective of University Engagement: A Systematic Literature Review and a Research Agenda
Helka Kalliomäki, University of Vaasa, Finland Johanna Kalliokoski, University of Vaasa, Finland Thomas Woodson, University of Vaasa, Finland Leena Kunttu, University of Vaasa, Finland Jari Kuusisto, University of Vaasa, Finland	Revisiting Inclusion as an STI Policy Objective: Insights from the EU and the US

SS25 - 01. The Geography of Creative Activities and Industries

Thurs Jan 11, 11:00 - 12:45, room 2.217

CHAIR: Bruce Tether, University of Manchester

Frank van der Wouden, University of Hong Kong, Hong Kong, China Nicola Cortinovis, Utrecht University, The Netherlands Giuseppe Criaco, Erasmus University Rotterdam, The Netherlands	Better by Design? Collaboration, Geographical Proximity and Performance in the Board-game Industry
Duygu Buyukyazici, Scuola IMT Alti Studi Lucca, Italy Eva Coll-Martinez, LEREPS, Université de Toulouse, France	Creative Industries and Economic Complexity of Regions
Milica Bozanic, University of London, United Kingdom	Economic Incentive Policies Impact on the Development of the National Film Industries in the Low Audiovisual Capacity Countries: The Hollywood Effect in Central and East Europe.
Josh Siepel, University of Sussex, United Kingdom Hasan Bakhshi, University of Newcastle, United Kingdom Martha Bloom, OECD, France, and University of Sussex, United Kingdom Jorge Velez Ospina, University of Sussex, United Kingdom	R&D Interdisciplinarity and the Organisation of R&D Activity: Evidence from the UK

SS24 - 02. Innovation Based Regional Development

Thurs Jan 11, 11:00 - 12:45, Room 3.214

CHAIR: Maureen McKelvey, University of Gothenburg, Sweden

Jingyuan Zeng, LSE, United Kingdom	The Shockley Breakaway: Early Adoption of Breakthrough Idea and First-mover Technological Externalities
Andrés Barge-Gil, UCM, Spain Antón Marcos, UMA, Spain Alberto Albahari, UMA, Spain	Medium-term Regional Effect of Science and Technology Parks: A Staggered Differences-in-differences Approach
Marcos Rodriguez Rodriguez, National Centre for Universities and Business, United Kingdom Edna M. Solomon, University of Greenwich, United Kingdom Faith Adobamen, University of Greenwich, United Kingdom	The Effect of Higher Education Providers' Knowledge Creation, Knowledge transfer, and Entrepreneurial Activities on the UK's Regional Productivity
Yifei Wang, University Of Gothenburg, Sweden	R&D Investments, Regional Learning and Labour Market Outcomes

OT13. Proximity, networks and the geography of Innovation

Thurs Jan 11, 11:00 - 12:45, Room 3.204

CHAIR: Francesco Rentocchini, JRC - European Commission, Spain

Katrin Martens, Humboldt Universität zu Berlin, Germany Sebastian Rogga, Leibniz Centre for Agricultural Landscape Research (ZALF), Germany Beatrice Walthall, Leibniz Centre for Agricultural Landscape Research (ZALF), Germany José Luis Vicente-Vicente, Leibniz Centre for Agricultural Landscape Research (ZALF), Germany Annette Piore, Leibniz Centre for Agricultural Landscape Research (ZALF), Germany	New Pathways to Progress: Examining Transformative Social Innovation in Rural Areas using the Proximity Approach and Qualitative Comparative Analysis
Alessandro Marra, University d'Annunzio of Chieti-Pescara, Italy Marco Cucculelli, Università Politecnica delle Marche, Italy Alfredo Cartone, University d'Annunzio of Chieti-Pescara, Italy	Firms so far, yet so close: Using Networks of Words to Measure Proximity and Spillovers between Firms
Rolf Dieter Schlunze, Ritsumeikan University, Japan	Shaping Spaces of Innovation Communities - The Role of Promoters in German-Japanese Networks
Francesco Rentocchini, JRC - European Commission, Spain Francesco Lelli, Gran Sasso Science Institute, Italy Davide Consoli, INGENIO [CSIC - Universitat Politècnica de València], Spain Sandro Montresor, Gran Sasso Science Institute, Italy Francois Perruchas, University of Valencia, Spain	Moneytalks: The Role of (geographical and digital) Proximity in the VC Financing of Green Startups

OT11 - 02. Policies for Innovation and Development in Countries and Regions

Thurs Jan 11, 11:00 - 12:45, Room 4.205
CHAIR: Andrea Ganzaroli, University of Milan, Italy

Laura Dell'Agostino, Politecnico di Milano, Italy Linda Ponta, University of Genoa, Italy Gloria Puliga, LIUC Business School, Italy Sara Ratti, Politecnico di Milano, Italy Valeria Maria Urbano, Politecnico di Milano, Italy	The Impact of Smart Specialisation Strategy on the Innovation Trends of the Italian Regions: An Explorative Analysis.
Donato Iacobucci, UNIVPM, Italy Sara Bolognini, Università Politecnica delle Marche, Italy Roberta Ruggeri, Università Politecnica delle Marche, Italy	Continuity (or discontinuity) in the Choice of Smart Specialisation Priorities: An Empirical Analysis of the S3 Priorities of the Italian Regions
Markus Grillitsch, Lund University, Sweden Lars Coenen, Western Norway University of Applied Sciences, Norway Kevin Morgan, Cardiff University, United Kingdom	Directionality and Subsidiarity: A Regional Policy for People and Planet
Andrea Ganzaroli, University of Milan, Italy Ivan De Noni, University of Padua, Italy Elisa Sabbadin, University of Padua, Italy	Unlocking the Potential of Entrepreneurial Discovery in the Smart Specialization Strategy: An Exploration based on patent data at the Regional Level

SS01 - 04. Innovation in the Bioeconomy and Regional Sustainability Transitions: Promises, Pitfalls and Contradictions

Thurs Jan 11, 11:00 - 12:45, Room 3.213
CHAIR: Sebastian Losacker, Justus Liebig University Giessen, Germany

Henning Kroll, Fraunhofer ISI, Germany Sven Wydra, Fraunhofer ISI, Germany	A Regional Mapping and Differentiated Analysis of Co-location Patterns in the German and European Bioeconomy
Daniel Wagner, Ludwig-Maximilians-Universität München, Germany Jakob Hoffmann, Heidelberg University, Germany Johannes Glückler, Heidelberg University, Germany	Innovation Cooperation in the Bioeconomy: A Network Analysis of the Innovation Space BIOTEXFUTURE
Philip Shapira, University of Manchester, United Kingdom Claire Holland, University of Manchester, United Kingdom Adam McCarthy, University of Manchester, United Kingdom Priscila Ferri de Oliveira, University of Manchester, United Kingdom	Innovation Intermediaries in the New Bioeconomy: Integrating Translation, Responsibility, and Sustainable Transitions
Susanna Mansikkamäki, University Of Jyväskylä, Finland Mirva Peltoniemi, Tampere Univeristy, Finland	The Blocked Potential: Promises and Pitfalls of Reaching for Sustainable Innovation in the Bioeconomy

SS19 - 01. Global knowledge flows Multilocal firms and value chains

Thurs Jan 11, 11:00 - 12:45, Room 2.220

CHAIR: David Rigby, UCLA, United States

Yan Xu, Peking University, China Shengjun Zhu, Peking University, China	Functional Division of Innovation in Multilocal Firms: How Internal and External Knowledge Sources Impact Novel Innovation and Pathbreaking Innovation of Parent and Subsidiary Firms?
Anthony Frigon, HEC Montréal, Canada	The Contribution of Multi-locational Firms to Local Innovation in Canada
Bernhard Dachs, AIT Austrian Institute of Technology, Austria Robert Stehrer, The Vienna Institute for International Economic Studies, Austria Anna Wolfmayr, AIT Austrian Institute of Technology, Austria	Global Value Chains, Technology Sovereignty, and the Role of China in International Knowledge Diffusion
Huiwen Peng, The Hong Kong Polytechnic University, Hong Kong, China Nicola Cortinovis, Utrecht University, The Netherlands Eddie C.M. Hui, The Hong Kong Polytechnic University, Hong Kong, China	From Recipient to Innovator: The Evolution of China's Industrial Robotics

OT10 - 02. Clusters and Innovation ecosystems

Thurs Jan 11, 11:00 - 12:45, Room 5.206

CHAIR: Thilo Zimmermann, innovations campus Mobilität der Zukunft | Innovation Campus Future Mobility, Germany

Felipe Starosta de Waldemar, RITM - Univ. Paris-Sud, Université Paris-Saclay, France Anne Plunket, Université Paris Saclay, France	The Telecom Innovation Ecosystem: IP Strategy and R&D Optimality
David Charles, Northumbria University, United Kingdom	R&D, Innovation Ecosystems and Levelling up in the Peripheral Region
Aliénor de Rouffignac, Université du Littoral Côte D'Opale, France Blandine Laperche, Université du Littoral Côte D'Opale, France	Roles of Higher Education and Research (HER) in the Development of Innovation Ecosystems Linked to Biobased Value Chains
Monique Besier, Karlsruher Institut für Technologie, Germany Tamara Huber, Karlsruher Institut für Technologie, Germany Marion Weissenberger-Eibl, Karlsruher Institut für Technologie, Germany Thilo Zimmermann, Innovationscampus Mobilität der Zukunft Innovation Campus Future Mobility, Germany	Success Factors of a Regional Innovation Ecosystem: The Case of InnovationCampus Future Mobility

OT08 - 02. Geographies of green and sustainable innovation

Thurs Jan 11, 11:00 - 12:45, Room 2.219
CHAIR: François Perruchas, INGENIO [CSIC-UPV], Spain

Simon Nadel, University of Lille, France Danielle Galliano, INRAE Toulouse, France Olivier Pauly, INRAE Toulouse, France	Cooperation and the Geography of Environmental Innovation: The Case of French Industrial Firms
Giulio Pedrini, Kore University of Enna, Italy Roberto Antonietti, University of Padova, Italy Davide Antonioli, University of Ferrara, Italy Luca Cattani, Gran Sasso Science Institute, Italy Elisa Chioatto, University of Ferrara, Italy	Skills and Tasks for Circular Eco-innovation: Evidence from Emilia-Romagna
Robert Elliott, University of Birmingham, United Kingdom Michael Henry, University of Birmingham, United Kingdom Qinqin Xiong, University of Birmingham, United Kingdom Liyun Zhang, University of Birmingham, United Kingdom	Eco-innovation and the Centralization of China's Environmental Management Systems
François Perruchas, INGENIO [CSIC-UPV], Spain Susanne Bühner-Topçu, Fraunhofer ISI, Germany Davide Consoli, INGENIO [CSIC-UPV], Spain Nicolò Barbieri, Università degli Studi di Ferrara, Italy Richard Woolley, INGENIO [CSIC-UPV], Spain	Gender Diversity and Eco-innovation

SS04 - 03. The Geography of University Entrepreneurial Ecosystems: Actors, Outcomes, and Evolution

Thurs Jan 11, 11:00 - 12:45, Room 5.212
CHAIR: Shiri Breznitz, University of Toronto, Canada

Fumi Kitagawa, City-REDI, University of Birmingham, United Kingdom Daniel Prokop, Cardiff University, United Kingdom Piers Thompson, Nottingham Business School, Nottingham Trent University, United Kingdom	Devolution, Regional Policy and University Entrepreneurial Ecosystems: Perspectives from Devolved Regions in the UK
Juliane Schwarz, City-REDI, University of Birmingham, United Kingdom Annum Rafique, The University of Birmingham, City-REDI, United Kingdom	University Entrepreneurial Ecosystem in the West Midlands: Incubation Support at Tyseley Energy Park and the STEAMhouse
Maria Abreu, University of Cambridge, Department of Land Economy, United Kingdom Vadim Grinevich, University of Bradford School of Management, United Kingdom	The Entrepreneurial University: Strategies, Processes, and Competing Goals
Qiantao Zhang, Xi'an Jiaotong-Liverpool University, China Shiri Breznitz, University of Toronto, Canada	Disentangling the Impacts of International Education and Employment Experience on Graduates' Entrepreneurial Propensity

SS11 - 02. Social Networks and the Geography of Innovation

Thurs Jan 11, 11:00 - 12:45, Room 5.205
CHAIR: Johannes Gluckler, Heidelberg University

Jakob Hoffmann, Heidelberg University, Germany Robert Panitz, Koblenz University, Germany Johannes Glückler, Heidelberg University, Germany	From Scout to Scout: The Social Network of Corporate Opportunity Search
Qiang Cao, Paris-Saclay University, France André Torre, Paris-Saclay University, France Maryline Filippi, Paris-Saclay University, France	Multiplex Networks and Knowledge Flows within Clusters: A Case Study of China's Seed Industry
Robert Panitz, University of Koblenz, Germany Johannes Glückler, Heidelberg University, Germany	Organizational Innovation and Legitimized Decision Structures

SS14 - 05. Data and network science in economic geography

Thurs Jan 11, 13:45 - 15:30, Room 1.218
CHAIR: Neave O'Clery, University College London, United Kingdom

Ugo Fratesi, Politecnico di Milano, Italy Federico Fantechi, Politecnico di Milano, Italy	Next-Gen Measures for Spatial Externalities. Testing the Impact of MAR and Jacobs' Externalities Measured at Small Disaggregated Territorial Level.
Marek Tiits, Taltech, Estonia Tarmo Kalvet, Taltech, Estonia Chahinez Ounoughi, Taltech, Estonia Sadok Ben Yahia, Taltech, Estonia	Exploring the Value of Relatedness and Product Complexity in Informing Gravity Models of International Trade
César Hidalgo, Artificial and Natural Intelligence Toulouse Institute (ANITI), France Viktor Stojkoski, Center for Collective Learning, ANITI, TSE-R, IAST, IRIT Université de Toulouse, and Corvinus University, France Philipp Koch, Center for Collective Learning, ANITI, TSE-R, IAST, IRIT Université de Toulouse, and Corvinus University, France Eva Coll-Martínez, Institut D'Etudes Politiques De Toulouse – LEREPS, France	The Geography of Digital Trade
Manuel Molina Vogelsang, Fraunhofer IMW, Germany Friedrich Dornbusch, Fraunhofer IMW, Germany	The Effect of Relatedness on STI Collaboration in Global Innovation Networks: The Case of German Inventors

SS22 - 01. Interregional Perspectives on Challenge-oriented Innovation Systems for Sustainability Transitions

Thurs Jan 11, 13:45 - 15:30, Room 4.204
CHAIR: Carmen Sillero, Joint Research Centre, Spain

Thomas Schwab, Bertelsmann Stiftung, Germany Pierre-Alexandre Balland, Utrecht University, The Netherlands, and Artificial and Natural Intelligence Toulouse Institute, France Ron Boschma, Utrecht University, The Netherlands, and University of Stavanger, Norway	Technological Capabilities and the Twin Transition in Europe. Opportunities for Regional Collaboration and Economic Cohesion
--	--

Julia Bachtröglger-Unger, Austrian Institute of Economic Research, Austria	
Martin Richardson, Royal Holloway University of London, United Kingdom	Transformability of Thames Water
Bjørn Asheim, University of Stavanger, Norway Silje Haud-Reve, University of Stavanger, Norway	The Role of Clusters in Addressing Societal Challenges in European Regions
Antti Mäenpää, University of Vaasa, Finland Seija Virkkala, University of Vaasa, Finland Åge Mariussen, Nordland Research Institute, Norway	Mission-based Sustainability Transition via Mobilisation of Stakeholders. Introducing Stakeholder Analysis
Karel Herman Haegeman, JRC-EC, Spain Alison Hunter, Economic and Public Policy Consultancy (EPPC), Belgium Effie Amanatidou, The University of Manchester, United Kingdom	Strengthening Innovation-driven Inter-territorial Collaboration: Insights from the Pri Pilot Action

SS10 - 01. The Role of Peripheries in Innovation

Thurs Jan 11, 13:45 - 15:30, Room 2.218

CHAIR: Johannes Gluckler, Heidelberg University

Johannes Glückler, LMU Munich, Germany Denise Gutiérrez, LMU Munich, Germany Kirsten Martinus, The University of Western Australia, Australia Richard Shearmur, McGill University, Canada	Peripheral Positions in Global Innovation Networks and Places
Richard Shearmur, McGill University, Canada David Doloreux, HEC Montréal, Canada	Scaling-up and Moving On: Do Innovative SMEs Leave Peripheral Regions?
Manya Tu, Southeast University, China Yingcheng Li, Southeast University, China Jingang Li, Southeast University, China	The Identification and Evolution of Innovation Spaces in Urban Peripheral Areas: Evidence from Nanjing, China
Huiwen Gong, University of Stavanger, Norway Arnault Morisson, Institute of Geography & CRED, University of Bern, Switzerland	Geographies of Entrepreneurial Storytelling in Emerging Controversial Innovations: The Case of the Blockchain Industry in Zug, Switzerland
Lukas Haefner, Leibniz University Hannover, Germany Anne-Sophie Kagel, Leibniz University Hannover, Germany	Digitalization in the Periphery: A Promising Opportunity for industrial Renewal?

OT06 - 01. The spatial dynamics of Innovation Networks

Thurs Jan 11, 13:45 - 15:30, room 2.217

CHAIR: Iris Wanzenböck, Copernicus Institute of Sustainable Development, Utrecht University, The Netherlands

Stefano Basilico, GSSI - Gran Sasso Science Institute, Italy	The Influence of Organizations on Technological Combinations: An Application on German Regions
Gloria Cicerone, GSSI - Gran Sasso Science Institute, Italy Philip McCann, Alliance Manchester Business School, United Kingdom Viktor A. Venhorst, University of Groningen, The Netherlands	Disentangling Relatedness: Do Underdeveloped Activities Matter?
Emanuele Pugliese, JRC - European Commission, Spain Nanditha Mathew, UNU-MERIT, The Netherlands Andrea Mina, Sant'Anna School of Advanced Studies, Italy	Input Relatedness, New Market Entry and Firm Performance

Gaston Heimeriks, Utrecht University, The Netherlands Iris Wanzenböck, Copernicus Institute of Sustainable Development, Utrecht University, The Netherlands Max Meier, KU Leuven, Belgium	New Path Development in the Green Technology Space – Adopting a Contextualized View of Relatedness
---	--

SS24 - 03. Innovation Based Regional Development

Thurs Jan 11, 13:45 - 15:30, Room 3.214

CHAIR: Guido Buenstorf, University of Kassel, Germany

Trisanki Saikia, Trier University, Germany Julia Affolderbach, Trier University, Germany	Sustainable Entrepreneurship and Innovative Waste Management Practices in Indian Cities
Jing Wang, Copenhagen Business School, Denmark	Dynamic Mechanisms in Science City Construction: A Case Study of Huairou Science City, China
Beverley Nielsen, Birmingham City University, United Kingdom Steven McCabe, Birmingham City University, United Kingdom Pinar Cankurtaran, Delft University of Technology, The Netherlands Michael B. Beverland, University of Sussex Business School, United Kingdom	The Birmingham Jewellery Quarter (BJQ): Challenges faced by Urban-based Luxury Clusters
Naoki Fujiwara, Otemon Gakuin University, Japan	The Role of Regional Institutions in Facilitating Economic Development: Extra Regional Linkage and Diversification

OT13. Governance, technology and urban transformation

Thurs Jan 11, 13:45 - 15:30, Room 3.204

CHAIR: Shauna Brail, University of Toronto, Canada

Min Zhang, Soochow University, China	Government Effectiveness and Innovation Performance: Evidence from China
Robert Dehghan, University of Mannheim, Germany Jan Kinne, Harvard University, United States Sebastian Schmidt, University of Salzburg, Austria David Lenz, Justus-Liebig-University, Germany Hanna Hottenrott, Technical University of Munich, Germany	Location Factors and Ecosystem Embedding of Sustainability-engaged Blockchain Companies in the US. A Web-based Analysis
Geyang Xia, Southeast University China, China Jingxing Guo, Southeast University China, China Xun Zhang, Southeast University China, China	Analysis of Innovative Demand Characteristics and Planning Practice in High-speed Rail New Town: A Perspective of Digital Population Portrait
Shauna Brail, University of Toronto, Canada	World Cities, COVID-19 and Urban Innovation: Geographies of Pandemic Recovery

SS15 - 01. The Role of Public R&D Support for Hidden Innovation and Regional Innovation Levelling-up

Thurs Jan 11, 13:45 - 15:30, Room 4.205

CHAIR: Carlo Corradini, Henley Business School, University of Reading, United Kingdom

Nicola Cortinovis, Utrecht University, The Netherlands	Kickstarting Industrial Diversification?
Tasos Kitsos, CBP, Aston University, United Kingdom Dalila Ribaudou, Aston University, United Kingdom	Technology Adoption and Diffusion in Space: Evidence from the UK

Carlo Corradini, Henley Business School, University of Reading, United Kingdom Enrico Vanino, University of Sheffield, United Kingdom	Exploring the Link between Publicly Funded R&D Collaborations and Regional Technological Branching: Evidence from the UK
Enrico Vanino, University of Sheffield, United Kingdom	Uncovering the Hidden Innovators: Using Big Data to Develop Comprehensive Measures of Firm Innovation and Regional Tech Specialisation

SS07 - 01. Opening Green Windows: Technological Opportunities in a Low-carbon World

Thurs Jan 11, 13:45 - 15:30, Room 3.213
CHAIR: Roberta Rabellotti, Università di Pavia, Italy

Khalid Nadvi, University of Manchester, United Kingdom Jose Antonio Puppim de Oliveira, Getulio Vargas Foundation (FGV), Brazil John James Loomis, Getulio Vargas Foundation (FGV), Brazil Aarti Krishnan, University of Manchester, United Kingdom Philip Shapir, University of Manchester, United Kingdom	Innovations for Creating Sustainable Value: MNCs, Brazil and Global South leadership in the Restructuring of Global Value Chains
Roberta Rabellotti, Università di Pavia, Italy Rasmus Lema, UNU MERIT, The Netherlands	Green Windows of Opportunity in the Global South
Aarti Krishnan, University of Manchester, United Kingdom	Digital Sustainability and Pathways to Environmental Upgrading in Global Value Chains: Insights from Food and Apparel
Tim Becker, Justus Liebig University Giessen, Germany Sebastian Losacker, Justus Liebig University Giessen, Germany	How to Open Green Windows of Opportunity in the Construction Sector? Insights from India and China

SS19 - 02. Global knowledge flows Multilocal firms and value chains

Thurs Jan 11, 13:45 - 15:30, Room 2.220
CHAIR: Ricardo Crescenzi, London School of Economic and Political Science, United Kingdom

Tingting Liu, Utrecht University, The Netherlands Carolina Castaldi, Utrecht University, The Netherlands Deyu Li, Utrecht University, The Netherlands	Digital Innovation and Regional Entrepreneurship: The Role of Big Tech in China
Wolfgang Schwarzbauer, EcoAustria Institute of Economic Research, Austria Philipp Koch, EcoAustria Institute of Economic Research, Austria Virág Bittó, EcoAustria Institute of Economic Research, Austria	Is the Smile-curve for Value Added in Global Value Chains a Frown-curve for Emissions?
Roberto Antonietti, University of Padova, Italy Chiara Franco, University of Pisa, Italy Chiara Burlina, University of Padova, Italy	Robots and Global Value Chains
Eduardo Hernández Rodríguez, Utrecht University, The Netherlands	Technological Diversification Throughout Global Value Chains: The Role of Interregional Value Chain Linkages in European Regions

OT10 - 03. Science parks and Innovation ecosystems

Thurs Jan 11, 13:45 - 15:30, Room 5.206

CHAIR: Alina Kadyrova, Open University and Alliance Manchester Business School

Debapriya Chakrabarti, Alliance Manchester Business School, United Kingdom Elvira Uyarra, Alliance Manchester Business School, United Kingdom Kieron Flanagan, Alliance Manchester Business School, United Kingdom Yizhi Song, The University of Liverpool, United Kingdom James Evans, The University of Manchester, United Kingdom Alina Kadyrova, Open University and Alliance Manchester Business School, United Kingdom	Exploring Inclusive Innovation in University-led Innovation Ecosystems: Case of Central Manchester
Marcos Anton-Tejon, University Of Malaga, Spain Andres Barge-Gil, Complutense University of Madrid, Spain Catalina Martinez, Institute of Public Goods and Policies (IPP), CSIC, Spain Alberto Albahari, University Of Malaga, Spain	Science and Technology Parks and Their Heterogeneous Effect on Firm Innovation
Jesus Valdaliso, University of the Basque Country, Spain Cristina Andrés, University of the Basque Country, Spain	Science and Technology Parks as Evolving Policy Spaces: Challenges and Opportunities when Embracing the Innovation District Model
Julio Raffo, WIPO, Switzerland Ernest Miguelez, Bordeaux School of Economics, University of Bordeaux, CNRS, France Christian Chacua, Harvard Kennedy School, United States	How to Identify Innovation Clusters from Multiple Innovation Georeferenced Variables

SS05 - 01. Innovation, Immigration and Diversity in Firms and Cities

Thurs Jan 11, 13:45 - 15:30, Room 2.219

CHAIR: Benjamin Conejo Costas, Utrecht University, The Netherlands

Andrea Morrison, University of Pavia, Italy Jay Prakash Nagar, Bocconi University, Italy Stefano Breschi, Bocconi University, Italy Benjamin Cornejo-Costas, Utrecht University, The Netherlands Gianluca Tarasconi, IpQuants, Switzerland	Historical Patent Data to Study Migration, Innovation and Diversity in US Counties
Max Nathan, CASA, University College London, United Kingdom Tom Kemeny, University of Toronto, Canada Guido Piali, University College London, United Kingdom Anna Rosso, University of Insubria, Italy Anna Valero, London School of Economics, United Kingdom	A New Data Platform for Diversity and Innovation in UK Firms and Cities
Zixuan Zhang, The University of Hong Kong, Hong Kong, China Frank van der Wouden, The University of Hong Kong, Hong Kong, China	The Dragoness Awakens: Gender Disparities in Patenting Activities in Chinese Cities

Elena Heller, University of Greifswald, Germany Silje Haus-Reve, UiS Business School, University of Stavanger, Norway	Integration Courses and Educational Outcomes: The Impact of a Policy Change on Refugees' Children in Norway
--	---

OT01 - 01 Universities and the Geography of Science and Innovation

Thurs Jan 11, 13:45 - 15:30, Room 5.212
CHAIR: Suelene Mascarini, University of Campinas, Brazil

Fabiana Visentin, UNU-Merit, Maastricht University, The Netherlands Michele Pezzoni, University Cote d'Azur, France Reinhilde Veugelers, KU Leuven, Belgium	Technologies Fly on the Wings of Science: Exploring the Role of Science in Technologies' Spatial Evolution
Renato Garcia, Institute of Economics - University of Campinas, Brazil Suelene Mascarini, University of Campinas, Brazil	The Role of Science-Industry Interactions in Technological Diversification Patterns of Regions
Maria Tsour, Western Norway University of Applied Sciences, Norway	How does Regional Technological Innovation Stimulate Changes at the Regional Universities' Role? The Case of Western Norway.
Suelene Mascarini, University of Campinas, Brazil Renato Garcia, University of Campinas, Brazil Pierre-Alexandre Balland, Utrecht University, The Netherlands	The Relation between Transnational Linkages and Technological Specialization: An Empirical Study on Brazilian Regions

SS11 - 01. Social Networks and the Geography of Innovation

Thurs Jan 11, 13:45 - 15:30, Room 5.205
CHAIR: Robert Panitz, University of Koblenz, Germany

Anne Heslinga, Erasmus University Rotterdam, The Netherlands Koen Frenken, Utrecht University, The Netherlands	Digital Platforms and Entrepreneurship: Changing Proximity Dynamics in the Digital Game Industry
Daniela Rey-Rodero, Pontificia Universidad Javeriana, Colombia Edna Rocio Castañeda-Salazar, Pontificia Universidad Javeriana, Colombia Cesar Enrique Ortiz-Guerrero, Pontificia Universidad Javeriana, Colombia	Mechanism to Reduce Deforestation with Value Networks, Case Study, Guaviare, Colombia
Amir Maghssudipour, University of Padova, Italy Silvia Rita Sedita, University of Padova, Italy Annalisa Caloffi, University of Florence, Italy Silvia Blasi, University of Verona, Italy	Extending Proximities in Organizational Networks: A Study of Mimetic Sustainability in Interlocking Directorates.
Adi Weidenfeld, University of Warsaw, Poland Tom Broekel, Stavanger Business School, University of Stavanger, Norway Nick Clifton, Cardiff Metropolitan University, United Kingdom	The Systemic Knowledge Network Continuum

SS14 - 06. Data and network science in economic geography

Thus Jan 11, 16:00 - 17:45, Room 1.218

CHAIR: César Hidalgo, Artificial and Natural Intelligence Toulouse Institute (ANITI), France

Nico Pintar, Vienna University Of Economics And Business, Austria Thomas Scherngell, Austrian Institute of Technology (AIT), Austria	The Impact of Knowledge Complexity on Total Factor Productivity in European Metropolitan Regions
Renan Abrantes de Sousa, University of Brasília, Brazil	Mapping the Product-PRODY-Space: Relatedness, Resource Competition, and Economic Complexity
Frank Neffke, Complexity Science Hub Vienna, Austria Yang Li, Growth Lab at Harvard Kennedy School, United States	On the Right Track? Extracting Climate Change Mitigation Pathways from Patent Data.
Eri Yamada, Nagoya City University, Japan Tetsu Kawakami, Kindai University, Japan Yong Jiang, Aichi University, Japan	The Micro-geography of Complexity: A Case of the Japanese Auto-parts Industry

SS03 - 01. Examining the Global, Regional and Local Challenges in Inclusive Innovation

Thus Jan 11, 16:00 - 17:45, Room 4.204

CHAIR: Aarti Krishnan, The University of Manchester, United Kingdom

Angela Zaroni, La Sapienza University of Rome, Italy Valeria Costantini, Roma Tre University, Italy Elena Paglialunga, University of Urbino Carlo Bo, Italy	Transition and Innovation: Are We Leaving Anyone Behind?
Ariane Reyns, Université libre de Bruxelles, Belgium	Improved Territorial Resilience through Credit Development at the Organizational Level : The Case of the Sardex.
Iván Tartaruga, Centre of Studies in Geography and Spatial Planning (CEGOT) at the University of Porto, Portugal Fernanda Sperotto, Centre of Studies in Geography and Spatial Planning (CEGOT) at the University of Porto, Portugal	Digitalization, Sustainability, and Inclusion in European Agri-Food Systems
Stephen Momanyi, Philipps Universität Marburg, Germany Simone Strambach, Philipps Universität Marburg, Germany	The Interplay of Global and Regional Networks in the Institutional Shaping of Hybrid Organisations fostering Social Innovation in Developing Countries

SS10 - 02. The Role of Peripheries in Innovation

Thus Jan 11, 16:00 - 17:45, Room 2.218

CHAIR: Richard Shearmur, McGill University, Canada

Madalena Fonseca, University of Porto, Portugal	Innovation in the Periphery: Counter-flows of Students to Second Tier Cities in Portugal
Max Roessler, University of Greifswald, Germany Daniel Schiller, University of Greifswald, Germany	Beyond Organisational Thinness: A Differentiated View of Actor Constellations and Place-based Manifestations of Change Agency in Peripheral Regions
Matias Ramirez, SPRU, United Kingdom Claudia Obando, Technopolis, United Kingdom	Forging New Pathways of Sustainable Development in Resource-dependent Peripheral Regions.
Yannick Eckhardt, LMU Munich, Germany Johannes Glückler, LMU Munich, Germany	Controversial Innovation and Spatial Pockets of Innovation

Kirsten Martinus, University of Western Australia, Australia	'Greening' the Resource Peripheries and Small Firm Innovation
--	---

OT03 - 03. Globalisation of Innovation and Knowledge

Thus Jan 11, 16:00 - 17:45, room 2.217

CHAIR: Julia Mazzei, Scuola Superiore Sant'Anna, Italy

Liza Jabbour, University of Birmingham, United Kingdom Robert Elliott, University of Birmingham, United Kingdom Yiran Su, University of Birmingham, United Kingdom	Global Collaboration and Eco-Innovation: An Analysis of Patents Quality and Knowledge Spillovers
Elisa Sabbadin, UNIPD, Italy Ivan De Noni, University of Padova, Italy	Is Global Collaboration able to Drive Breakthrough Innovation through the Clusters Life Cycle?
Rudiger Ahrend, OECD, France Peter Horvat, OECD, France Juergen Amann, OECD, France Alexander Lembcke, OECD, France	Global Value Chains and Innovative Regions
Julia Mazzei, Scuola Superiore Sant'Anna, Italy Gianluca Biggi, Scuola Superiore Sant'Anna, Italy Arianna Martinelli, Scuola Superiore Sant'Anna, Italy Elisa Giuliani, University of Pisa, Italy	Are we Moving to a Less Toxic World? How Bans on Persistent Organic Pollutants Affect Firms' Inventive Strategies
Carl-Philipp Beichert, Technical University of Munich, Germany	Breaking Habits – How are Local Innovation Hubs Established and Managed in Traditional Sectors?

SS24 - 04. Innovation Based Regional Development

Thus Jan 11, 16:00 - 17:45, Room 3.214

CHAIR: Martin Henning, University of Gothenburg, Sweden

David Waite, Urban Studies and Policy Scotland, University of Glasgow, United Kingdom Elvira Uyarra, University of Manchester, United Kingdom Katherine Parsons, University of Cardiff, United Kingdom Nick Delbridge, University of Cardiff, United Kingdom Kevin Morgan, University of Cardiff, United Kingdom Robert Hassink, Kiel University, Germany	Towards a More Inclusive and Place-based Approach to Innovation Policy: Evidence from Three UK City Regions
Hendrik Hansmeier, Fraunhofer ISI, Germany Knut Koschatzky, Fraunhofer ISI, Germany	Structural and Transformative Change: The Dual Challenge for Regional Development
Felix Schmidt, Philipps-Universität Marburg, Germany Tobias J. Hertrich, Philipps-Universität Marburg, Germany Thomas Brenner, Philipps-Universität Marburg, Germany	Effects of Disruptive Innovation on German Regional Reputation
Sylvain Remy, UMR 8504 Geographie-cites, France	Linkage Development: Product Industrialization for Regional Industrialization

OT12 - 01. Urban Innovation

Thus Jan 11, 16:00 - 17:45, Room 3.204
CHAIR: David Wolfe, University of Toronto, Canada

Simone Daniotti, Complexity Science Hub Vienna, Austria Frank Neffke, Complexity Science Hub Vienna, Austria	Coherent Economic Paths in Urban Systems' Development
Gregory Trencher, Kyoto University, Japan Masaru Yarime, Hong Kong University of Science and Technology, Hong Kong SAR, China Yu Jeongsoo, Tohoku University, Japan	Next-generation Mobility Innovations: A Silver Bullet for a Greying Society in Japan's Regions?
Nadiia Matsiuk, HEC Montreal, Italy David Doloreux, HEC Montreal, Canada Richard Shearmur, McGill University, Canada	Micro Geography of Innovation in the Urban Setting: The Role of Neighbourhood and Local Knowledge Exchange
David Wolfe, University of Toronto, Canada	The Strategic Governance of Innovation in Cities and Regions

SS21 - 01. How is the New Industrial Policy Paradigm Shaping the Geography of Innovation?

Thus Jan 11, 16:00 - 17:45, Room 4.205
CHAIR: Alexander Lembcke, OECD, France

Alexander Lembcke, OECD, France Alexandra Rusu, OECD, France Joana Duran-Franch, OECD, France	Overcoming Regional Barriers to Growth and innovation
Alexandra Tsvetkova, World Bank Group, United States	Local Industrial Cohesion and Economic Performance in US Counties
Rodrigo Barreto, FGV EAESP, Brazil	Fostering Innovation in Brazil: A Case Study of IdeiaGov's Demand-Oriented Procurement Program
Lisa De Propriis, Birmingham Business School, University of Birmingham, United Kingdom	Regional Peripheries, Smart Specialisation, Triple Transition

SS07-2. Opening Green Windows: Technological Opportunities in a Low-carbon World

Thus Jan 11, 16:00 - 17:45, Room 3.213
CHAIR: Roberta Rabellotti, Università di Pavia, Italy

Rushi Chen, University of Leeds, United Kingdom Peter Howley, University of Leeds, United Kingdom Effie Kesidou, University of Leeds, United Kingdom	Can Emission Trading Schemes Induce Green Innovation? Firm-level Evidence from a Quasi-natural Experiment in China
Alexander Jaax, OECD, France Sébastien Miroudot, OECD, France Sergio Petralia, Utrecht University, The Netherlands	The Reorganisation of GVCs and the Green Transition: Shedding Light on Changing Patterns of Technological Leadership and Functional Specialisation in the Automotive Sector
Ulrich Elmer Hansen, Technical University of Denmark, Denmark Ivan Nygaard, DTU Wind and Energy Systems, Technical University of Denmark (DTU), Denmark Yohanes Berenika Kadarusman, Universitas Prasetya Mulya, Indonesia Lionel Priyadi, Universitas Prasetya Mulya, Indonesia	Green Industrial Policy Failure: Creating a Domestic Solar PV Module Manufacturing Industry in Indonesia

Djamila Lesch, Eawag: Swiss Federal Institute of Aquatic Science and Technology, Switzerland Johan Miörner, Lund University, Sweden Christian Binz, Eawag: Swiss Federal Institute of Aquatic Science and Technology, Switzerland	Mapping the Spatial Variation of Path Dependencies in Global Regimes – A Novel Scheme of Analysis and Illustration in the Water Sector
Teis Hansen, University of Copenhagen, Denmark Ulrich E. Hansen, Technical University of Denmark, Denmark	Profiting from Rapid Renewable Energy Diffusion? A Policy Mix Perspective

SS19 - 03. Global knowledge flows Multilocal firms and value chains

Thus Jan 11, 16:00 - 17:45, Room 2.220

CHAIR: Kerstin J. Schaefer, London School of Economics and Political Science, United Kingdom

Jacopo Cricchio, Sant'Anna School of Advanced Studies Pisa, Italy Saverio Barabuffi, Sant'Anna School of Advanced Studies Pisa, Italy Alberto Di Minin, Sant'Anna School of Advanced Studies Pisa, Italy	The Role of International knowledge in China's Artificial Intelligence Entrepreneurial Ecosystems
Wioletta Kilar, Pedagogical University of Krakow, Poland	The Role of R&D Branches of IT Corporations Located in Central Europe in Global Value Chains
David Rigby, UCLA, United States	The Role of Multi-locational Firms in Generating New Knowledge Combinations
Kerstin Schaefer, London School of Economics and Political Science, United Kingdom Riccardo Crescenzi, London School of Economics and Political Science, United Kingdom	Disconnected Research and Development – Unravelling R&D Internationalization in Multinational Firms
Gabriele Piazza, London School of Economics, United Kingdom	Where the God Particle Touches the Ground: The Local Impact of Research Infrastructure Procurement in Italy

SS06 - 01. Strategic Dual Transition: Challenges and Opportunities

Thus Jan 11, 16:00 - 17:45, Room 5.206

CHAIR: Francesco Fusillo, University of Turin, Italy

Mabel Sanchez Barrioluengo, Univ. of Manchester, UK Silvia Massini, University of Manchester, UK Huma Javaid, Loughborough University, United Kingdom	What Comes First? Unveiling the Interplay between Digital Technologies and Skills
Alberto Marzucchi, Gran Sasso Science Institute, Italy Stefano Basilico, Gran Sasso Science Institute, Italy Sandro Montresor, Gran Sasso Science Institute, Italy	Regional Knowledge Bases and the Twin Transition: Closing the Gap between Green and Digital Technologies
Deyu Li, Utrecht University, The Netherlands	Skill Relatedness and the Digital and Green Twin Transitions of European Regions
Francesco Quatraro, University of Torino, Italy Fabrizio Fusillo, University of Torino, Italy Gianluca Orsatti, University of Torino and BRICK (Collegio Carlo Alberto), Italy Alessandra Scandura, University of Torino and BRICK (Collegio Carlo Alberto), Italy	Critical Raw Materials and co-inventorship Patterns: Evidence from US Metropolitan Statistical Areas

OT08 - 04. Geographies of green and sustainable innovation

Thus Jan 11, 16:00 - 17:45, Room 2.219

CHAIR: Clara Caiafa, Eindhoven University of Technology, The Netherlands

Vidit Kundu, University of Twente, The Netherlands Roman Peerboom, University of Amsterdam, The Netherlands Debraj Roy, University of Amsterdam, The Netherlands Karin Pfeffer, University of Twente, The Netherlands	Exploring Knowledge Production Dynamics and Complexity in the Green Energy Sector: A Case Study of Solar Photovoltaics in European Regions
Martin Falk, USN Business School, Norway Eva Hagsten, Swedish Agency of Economic and Regional Growth, Sweden	Spatial Heterogeneity in Drivers of Solar Photovoltaic Diffusion
Iván Cuesta-Fernández, Institute for Energy Engineering, Universitat Politècnica de València, Spain Adrián A. Díaz-Faes, Institute for Energy Engineering, Universitat Politècnica de València, Spain	Mapping Policy Discourse Coalitions in Urban Energy Transitions in Valencia, Spain
Clara Caiafa, Eindhoven University of Technology, The Netherlands Henny Romijn, Eindhoven University of Technology, The Netherlands Heleen De Coninck, Eindhoven University of Technology, The Netherlands	International Green Hydrogen Technology Innovation and Transfer: Assessing Opportunities and Risks for Sustainable Development in the Global South

OT01 - 02 Universities and the Geography of Science and Innovation

Thus Jan 11, 16:00 - 17:45, Room 5.212

CHAIR: Sebastian Arriagada, University of Manchester, United Kingdom

Antoine Schoen, univ gustave eiffel, France Patricia Laurens, LISIS, CNRS, Univ Gustave Eiffel, France Gaston Heimeriks, Copernicus Institute of Sustainable Development, Utrecht University, The Netherlands Martina Neuländtner, Austrian Institute Of Technology, Austria Thomas Scherngell, Austrian Institute Of Technology, Austria	The Inventive Spill-over of Corporate Publications
Xiaoming Zhang, Tsinghua University, China Jinchao Su, Tsinghua University, China	Geographical Boundary of Knowledge Spillovers: Evidence from Elite Universities and High-speed Rail
Antonio De Marco, Politecnico di Torino, Italy Luigi Buzzacchi, Politecnico di Torino, Italy Federico Caviggioli, Politecnico di Torino, Italy Francesco Milone, Politecnico di Torino, Italy	The Causal Nexus between University Knowledge Externalities and Technological Specialization of European Regions
Sebastian Arriagada, University of Manchester, United Kingdom	The Role of Universities in the Commercialization of Technology-Based Companies in Emerging Countries: Insights from Chile

OT07 - 02 Mobility, migration and innovation

Thus Jan 11, 16:00 - 17:45, Room 5.205

CHAIR: Rosina Moreno, University of Barcelona - AQR, Spain

Mika Raunio, Migration Institute of Finland, Finland	Immigration and Regional Innovation Systems Merging: Towards Competence based Regional (Im)migration Systems in case of Finland
Ngoc Han Nguyen, University of Groningen, The Netherlands	Migrants' Integration in the Workplace and their Innovative Work Behaviors
Philipp Koch, Center for Collective Learning, University of Toulouse, France Viktor Stojkoski, Center for Collective Learning, ANITI, TSE-R, IAST, IRIT, Université de Toulouse, France César Hidalgo, Center for Collective Learning, ANITI, TSE-R, IAST, IRIT, Université de Toulouse, France	The Role of Immigrants, Emigrants, and Locals in the Historical Formation of European Knowledge Agglomerations
Rosina Moreno, University of Barcelona – AQR, Spain François Perruchas, Universtat de València, Spain Davide Consoli, Universitat Politècnica de València, Spain Ernest Miguelez, Université de Bordeaux, France Viola Salvatore, Universitat de Barcelona, Spain	The Impact of Immigration on Green Technology Innovation in U.S. MSAs

SS14 - 07. Data and network science in economic geography

Fri Jan 12, 9:00 - 10:45, Room 1.218

CHAIR: Balázs Lengyel, Centre for Economic and Regional Studies, ELKH, Hungary

Delio Lucena, IEP/LEREPS - University of Toulouse Capitole, France	Research Topics Portfolio and Resources in Regional Innovation Networks: A Structural Equivalence Perspective using the Place-based Methodology
Dima Yankova, INGENIO (CSIC-UPV), Spain Milad Abbasiharofteh, University of Groningen, The Netherlands	Does a Rising Tide Lift all Boats? The Role of EU Framework Programme Beneficiaries in Regional Knowledge Networks
Silvia Rita Sedita, University of Padova, Italy Leonardo Mazzoni, European University Institute, Italy Shira Fano, University of Trento, Italy Gianluca Toschi, Fondazione Nord Est, Italy	Mapping the Evolution of the Bio-based Materials Technological Paradigm: A Mixed Method Analysis using Core-periphery Algorithm and Topic Modelling.
Martina Neuländtner, AIT Austrian Institute of Technology, Austria Thomas Scherngell, AIT Austrian Institute of Technology, Austria	An Agent-based Model for Regional Knowledge Creation and Diffusion in China

OT02 - 01. Social capital, Institutions and Innovation

Fri Jan 12, 9:00 - 10:45, Room 4.204

CHAIR: Koen Frenken, Copernicus Institute of Sustainable Development, Utrecht University, The Netherlands

Marcin Rataj, Department of Geography, Umeå University, Sweden Heike Mayer, Institute of Geography, University Bern, Switzerland	Social Capital and Regional Determinants of Senior Entrepreneurship
Matteo Tubiana, Politecnico di Torino, Italy Alessandra Colombelli, Politecnico di Torino, Italy	Social Capital, the Knowledge Filter and Innovative Start-ups: An Italian Evidence
Valentina Meliciani, University LUISS Guido Carli, Italy Stefania Cosci, Lumsa University, Italy Loredana Mirra, University Tor Vergata, Italy	The Persistence of Regional Entrepreneurship in High-technology Sectors – Are all types of Historical Entrepreneurship Equally Important? The Case of Italian Regions
Koen Frenken, Copernicus Institute of Sustainable Development, Utrecht University, The Netherlands	Does Social Capital Foster Renewable Energy Cooperatives?

OT13 - 01. Patent analysis and the Geography of Innovation

Fri Jan 12, 9:00 - 10:45, Room 2.218

CHAIR: Michael Fritsch, Friedrich-Schiller-University Jena, Germany

Enrico Alessandri, Department of Statistical Sciences "Paolo Fortunati", University of Bologna, Italy Riccardo Cappelli, Department of Economics and Social Sciences, Marche Polytechnic University, Ancona, Italy Marco Cucculelli, Department of Economics and Social Sciences, Marche Polytechnic University, Ancona, Italy Jasmine Mondolo, Department of Economics and Social Sciences, Marche Polytechnic University, Ancona, Italy	Mapping Technological Trajectories in the Circular Economy using a Patent Citation Network
Qian Zhou, KU Leuven, Belgium René Belderbos, KU Leuven, Belgium	Patents, Trademarks and Entrants' Growth in European Industries and Regions

Michał Kazimierczak, European Union Intellectual Property Office Spain	
Elena M Tur, Eindhoven University of Technology, The Netherlands Rudi Bekkers, Eindhoven University of Technology, The Netherlands Emilio Raiteri, Eindhoven University of Technology, The Netherlands Arianna Martinelli, Scuola Superiore Sant'Anna, Italy	Introducing the Ego Patent Family
Michael Fritsch, Friedrich-Schiller-University Jena, Germany Maria Greve, Utrecht University, The Netherlands Michael Wyrwich, University of Groningen, The Netherlands	Geographic Concentration of Innovation Activity over Time – Germany 1877 to 2020

OT10 - 01. Clusters and Innovation ecosystems

Fri Jan 12, 9:00 - 10:45, room 2.217

CHAIR: Jip Leendertse, Utrecht University, The Netherlands

Jerome Vicente, University of Toulouse, France Arnaud Bessagnet, University of Toulouse – LEREPS, France Joan Crespo, University of Valencia, Spain	How is the Literature on Digital Entrepreneurial Ecosystems Structured? A Socio-semantic Network Approach
Martina Buratti, Friedrich Schiller University Jena, Germany	Entrepreneurial Ecosystems Efficiency: An Analysis of the Impact of Entrepreneurial Persistence on Technological Complexity
João Almeida, GOVCOPP, DEGEIT, University of Aveiro, Portugal Ana Daniel, DEGEIT, GOVCOPP, University of Aveiro, Portugal	Bridging the Gap: Leveraging Exogenous Linkages for Resilient Entrepreneurial Ecosystems in Resource-Constrained Environments
Jip Leendertse, Utrecht University, The Netherlands Yvette Baggen, Wageningen University and Research, The Netherlands Sharon Dolmans, Technical University Eindhoven, The Netherlands Maral Mahdad, Technical University Eindhoven, The Netherlands	Exploring the Boundaries of Entrepreneurial Ecosystems: When do Actors go Beyond Regional Borders

SS17 - 01. Policy, Funding, Research, and Regional Development in the Science-Technology Nexus

Fri Jan 12, 9:00 - 10:45, Room 3.214

CHAIR: Dieter Kogler, University College Dublin, Ireland

Chiara Ferrante, Fraunhofer ISI, Italy	Knowledge Transfer between University and Industry in Germany: A Map of the Types of Transfer and an Analysis on Determinants.
Dieter Kogler, University College Dublin, Ireland Ryan Hynes, University College Dublin, Ireland Keungoui Kim, Handong Global University, Ireland	The Evolution of Science-Technology Spaces based on Semantic Mapping
Yongyuan Huang, University of Sussex, United Kingdom	Scientific Collaboration for Region-specific Funding and Matthew effects of University Innovation-A case of Region-specific Mega-Funding Projects in China
Ryan Hynes, University College Dublin, United Kingdom	Semantic Similarity for Knowledge Production Networks

OT13. Agglomeration and the Geography of Innovation

Fri Jan 12, 9:00 - 10:45, Room 3.204

CHAIR: Fabrizio Fusillo, University of Turin, Italy

Racquel Claveria, University of Barcelona, Spain	Does Urban Agglomeration (still) matter for Firm Innovation? Evidence from the Developed and Developing World
Jingang Li, Southeast University China, China Yingcheng Li, Southeast University, China Manya Tu, Southeast University China	The Knowledge Spillover Effect of Multi-scale Urban Innovation Networks: Evidence from the Automotive Manufacturing Industry in China's Five Urban Agglomerations
Georgios Tsiachtsiras, University of Bristol, United Kingdom Sergio Petralia, Utrecht University, The Netherlands Ernest Miguelez, University of Bordeaux, France	A Light Bulb Goes On: Religiosity and the Adoption of Electrical Technologies in 19th Century France
Fabrizio Fusillo, University of Turin, Italy Stefano Dughera, University of Turin, Italy Francesco Quatraro, University of Turin, Italy	Path Dependency, Agglomeration and Regional Technological Diversification: The Role of Firms' Characteristics and Diversification Strategies

SS21 - 02. How is the New Industrial Policy Paradigm Shaping the Geography of Innovation?

Fri Jan 12, 9:00 - 10:45Room 4.205

CHAIR: Wessel Vermeulen, OECD Centre for Entrepreneurship, SMEs, Regions and Cities, Italy

Dimitri Corpakis, former European Commission, Belgium Richard Tuffs, ERRIN, Belgium Jan Larosse, Flanders Region, Belgium	Mainstreaming Smart Specialisation in a New Paradigm for European Industrial Policy
James Wilson, Deusto University, Spain Mari Jose Aranguren, Orkestra-Basque Institute of Competitiveness and Deusto Business School, Spain Eduarne Magro, Orkestra, Spain	The Complementary Role of a New Generation of Smart Specialisation Strategies and Industrial Policies in Regions
Francesco Molica, European Commission, Belgium	The Future of EU Cohesion Policy in the Era of New Industrial Policy: Balancing Challenges and Potential
Cristian Matti, European Commission - Joint Research Centre, Belgium Bianchi Guia, European Commission - Joint Research Centre, Spain	A Territorial View on Competences to Strengthen the Multi-actor Agency for Transformation Processes

OT13. Regions and the Geography of Innovation

Fri Jan 12, 9:00 - 10:45Room 3.213

CHAIR: José Gaspar, CEGE and Católica Porto Business School, Universidade Católica Portuguesa., Portugal

P. Lelio Iapadre, University of L'Aquila, Italy Giuseppe Cappiello, University of Bologna, Italy Gloria Cicerone, Gran Sasso Science Institute, Italy	Regional Innovation Poles and Knowledge Diffusion in Italy: The Case of the Abruzzo Region
Olga Tcaci, TU Dresden, Germany Ali Sina Önder, University of Portsmouth, UK Sascha Schweizer, Reutlingen University, University of Bayreuth, Germany	Innovation Patterns and Regional Development
Giacomo Lo Conte, University College Dublin, Ireland	Inequality and Technological Capabilities: The Case of Germany

Daniela Arlia, Aix-Marseille School of Economics France Silvia Rocchetta, Dublin City University, Ireland	
José Gaspar, CEGE and Católica Porto Business School, Universidade Católica Portuguesa., Portugal Minoru Osawa, Institute of Economic Research, Kyoto University, Japan	Innovation through Intra and Inter-regional Interaction in a Spatial Economic Model

SS08 - 01. Working from Home and the New Geography of Workers, Firms and Innovation

Fri Jan 12, 9:00 - 10:45 Room 2.220

CHAIR: Max Nathan, CASA, University College London, United Kingdom

Martijn Smit, Utrecht University, The Netherlands Christian Hoefnagel, Utrecht University The Netherlands	Teleworkers to the Periphery?
Florian Hack, IAB, Germany	Analysis of Worker Resilience to Adjustment Shocks Based of Task Data in a Multiplex Network
Louis Knüpling, Utrecht University, The Netherlands Rolf Sternberg, Leibniz University Hannover, Germany Anne Otto, Institute for Employment Research, Germany	Migration of the Highly Qualified: Positive Effects for Rural Areas from Digitalization, Working from Home and COVID19?

SS34 - 01. Digital-enabled, Resilient and Sustainable Production and Supply Chain Processes: Reconfiguration and International Competitiveness of Companies and Territories

Fri Jan 12, 9:00 - 10:45 Room 5.206

CHAIR: Lucia Piscitello, Politecnico di Milano, Italy

Jan Vang, University Of Southern Denmark, Denmark Helene Balslev, Aalborg University, Denmark	Designing Drone-based Sustainable Supplier Innovation in the Global South
Amalie Osthassel, Norwegian University of Science and Technology, Norway Asbjørn Karlsen, Norwegian University of Science and Technology, Norway	Embeddedness through Digitalisation in the Global Production Networks of Fertiliser: How Digital Farming Strategies Affects Power and Inclusiveness in the Kenyan Agricultural Sector
Cristina Di Stefano, Politecnico of Milan, Italy	Investigating Factors Affecting Companies' Adoption Resource Efficient and Circular Innovations.
Diletta Pegoraro, Politecnico di Milano,, Italy	The Diffusion Process of Twin Transition within Industry 5.0 Revolution: the Role of Place Leadership

OT08 - 05. Geographies of green and sustainable innovation

Fri Jan 12, 9:00 - 10:45 Room 2.219

CHAIR: Sandro Montresor, GSSI - Gran Sasso Science Institute, Italy

Mario Vale, University of Lisbon, IGOT, CEG, Portugal Tiago Louro, Dinamia 'CET, ISCTE-IUL, Portugal Margarida Fontes, LNEG, Portugal Ricardo Paes-Mamede, Dinamia 'CET, ISCTE-IUL, Portugal Nuno Bento, Dinamia 'CET, ISCTE-IUL, Portugal	Innovation and Decarbonization Strategies of Firms: Insights from the Portugal 2020 Program and Relation to Local Contexts
Viktor Stojkoski, Saints Cyril & Methodius University, North Macedonia, Republic of	Multidimensional Economic Complexity and Inclusive Green Growth

Philipp Koch, Center for Collective Learning, University of Toulouse, France, Austria César Hidalgo, Center for Collective Learning, ANITI, TSE-R, IAST, IRIT, Université de Toulouse, France	
Giacomo Roberto Lupi, Università degli Studi di Ferrara, Italy Ugo Rizzo, University Of Ferrara Italy Davide Consoli, Ingenio (CSIC-UPV), Spain François Perruchas, Universitat de València, Spain	Technology, Materials, and Conflicts in Africa
Sandro Montresor, GSSI - Gran Sasso Science Institute, Italy Adelia Fatikova, GSSI, Italy Fabrizio Fusillo, University of Turin, Italy	Regional Green-tech Diversification and Inter-regional Green Knowledge Flows: EU Evidence

OT07 - 01 Mobility, migration and innovation

Fri Jan 12, 9:00 - 10:45 Room 5.212

CHAIR: Joan Crespo, Universitat de València, Spain

Ann Hipp, Thuenen Institute for Rural Economics, Germany Paul Hünermund, Copenhagen Business School, Denmark	Inventor Mobility After the Fall of the Berlin Wall
Li Liu, Carlos III University of Madrid, Spain Eduardo Melero, Carlos III University of Madrid, Spain Neus Palomeras, Carlos III University of Madrid, Spain	The Effect of Collaboration on Inventor Mobility
Johannes König, University of Kassel and IAB Institute for Employment Research, Germany Anne Otto, Institute for Employment Research, Germany	Highly Educated, Highly Mobile? Location Choices of Doctorate Recipients Working Inside and Outside Academia.
Joan Crespo, Universitat de València, Spain Luisa Alama, Universitat Jaume I, Spain Miguel Ángel Marquez, Universidad de Extremadura, Spain Emili Tortosa-Ausina, Universitat Jaume I, Spain	Population-employment Dynamics in the European Union: The Role of Innovation

SS12 - 02. The Doing, Using and Interacting (DUI) Mode of Innovation in European Firms and Regions

Fri Jan 12, 9:00 - 10:45 Room 5.205

CHAIR: Jose Luis Hervás Oliver, Universitat Politècnica De València, Italy

Christoph Friedrich, Leibniz University Hannover, Germany Rolf Sternberg, Leibniz University Hannover, Germany	Regional Innovation Policies in Germany in Favour of Structurally Weak Regions
Petrik Runst, ifh Göttingen, Germany Jörg Thomä, ifh Göttingen, Germany	From Input to Output – Innovation Modes and their Different Outcomes in the Ecology of Firms
Tobias Hädrich, Friedrich-Schiller-University Jena, Germany Uwe Cantner, Friedrich Schiller University Jena, Germany Martina Buratti, Friedrich Schiller University Jena, Germany	How to Promote Innovation in Structural Weak Regions? Ex-ante Policy Selection of Actors and Modes of Innovation.

Bogang Jun, Inha University, Korea, Republic of Jung-In Yeon, Korean Chamber of Commerce and Industry, Korea, Republic of Sojung Hwang, Inha University Korea, Republic of, Korea	Ports as Catalysts: The Spillover Effect of a Neighbouring Port on Regional Industrial Diversification and Regional Economic Resilience
---	---

MEET THE EDITORS SESSION

Fri Jan 12, 11:15 - 13:00, Room 1.218

CHAIR: Raquel Ortega-Argiles, University of ManchesterUnited Kingdom

Andres Rodriguez Pose- Economic Geography
Ugo Fratesi - Spatial Economic Analysis
Maria Savona - Research Policy
Dieter Kogler - Regional Studies
Bernhard Truffer - Environmental Innovation and Societal Transitions
Iris Wanzenböck – Review of Regional Research
Valentina De Marchi - Journal of International Business Policy"

OT13. AI and the geography of Innovation

Fri Jan 12, 11:15 - 13:00, room 2.217

CHAIR: Xinger Wei, University of Manchester (Alliance Manchester Business School), United Kingdom

Bernardo Cabral, São Paulo State University, Brazil Sérgio Salles-Filho	Steering AI's Future: A Decade-Long Analysis of Global AI Policy Development
Chris Brück, Leibniz University Hannover, Germany	The Organisation of Innovation Processes in AI and Green Technologies: Insights from German MNEs in China
Xinger Wei, University of Manchester, United Kingdom	Development of Artificial Intelligence Technology in China's Manufacturing Industry

SS17 - 02. Policy, Funding, Research, and Regional Development in the Science-Technology Nexus

Fri Jan 12, 11:15 - 13:00, Room 3.214

CHAIR: Massimiliano Coda Zabetta, Universitat de Barcelona, Spain

Keungoui Kim, Handong Global University, Ireland Ryan Hynes, Spatial Dynamics Lab, University College Dublin, Ireland Dieter Kogler, University College Dublin, Ireland	Identification of Impactful Interdisciplinary Science Funding Instruments via the Application of BERT Contextualized Topic Models
Timo Mitze, University Of Southern Denmark, Denmark Björn Alecke, GEFRA, Germany	Publicly Funded Junior Research Groups in Structurally Weak Regions – Can they Take Off? A Bibliometric Assessment
Massimiliano Coda Zabetta, Universitat de Barcelona, Spain	Recruitment of World-leading Researchers and Institution's Internationalization
Yohanna Juk, University of Campinas, Brazil Bernardo Cabral, Federal University of Bahia, Brazil Evandro Cristofaletti, University of Campinas, Brazil Karen Pinto, University of Campinas, Brazil	Mapping the Impact: FAPESP-Financed Research in Innovation Policy Documents

Roundtable: Urban Innovation

Fri Jan 12, 11:15 - 13:00, Room 3.204
CHAIR: James Evans. Manchester Urban Institute, United Kingdom

Andrew Karvonen. Lund University
Gregory Trencher. Kyoto University
Kevin Morgan, Cardiff University
Jesus Maria Valdaliso, University of the Basque Country
Sauna Brail, University of Toronto

SS21 - 03. How is the New Industrial Policy Paradigm Shaping the Geography of Innovation?

Fri Jan 12, 11:15 - 13:00, Room 4.205
CHAIR: Carlo Menon, OECD, France

Carlo Menon, OECD, France	Policies Supporting Scaling up in the New Industrial Policy Paradigm
Carmen Sillero Illanes, Joint Research Centre, Spain Rosa Gallardo, University of Cordoba, Spain Pietro Moncada-Paternò-Castello, Joint Research Centre - European Commission Spain Karel Haegeman, Joint Research Centre - European Commission, Spain	The Place-based Multilevel Dimension of the Transition to Sustainability in the European Aerospace Industrial Ecosystem: A Systematic Review
Wessel Vermeulen, OECD Centre for Entrepreneurship, SMEs, Regions and Cities, Italy Nils Braakmann, Newcastle University, United Kingdom	How do Mass Lay-offs Affect Regional Economies?
Huanjia Ma, City-REDI, University of Birmingham, UK Kurt Kratena, Centre of Economic Scenario analysis and Research, Austria Matthew Lyons, University of Birmingham, UK Raquel Ortega-Argilés, The Productivity Institute, University of Manchester, United Kingdom	Public R&D Investments, Productivity and Regional Rebalancing: Evidence from the UK

SS08 - 02. Working from Home and the New Geography of Workers, Firms and Innovation

Fri Jan 12, 11:15 - 13:00, Room 2.220
CHAIR: Riccardo Crescenzi, London School of Economic and Political Science, United Kingdom

Davide Rigo, London School of Economics, UK Filippo Boeri, LSE, UK Riccardo Crescenzi, LSE, UK	Work-from-home and Firms' Resilience: Evidence from the COVID-19 pandemic
Philip Mccann, University of Manchester, UK Steven Bond-Smith, University of Hawai'i, United States Lina Bjerke, Jönköping International Business School, Sweden Charlotta Mellander, Jönköping International Business School, Sweden	Work-from-home, Relocation, and Shadow Effects: Evidence from Sweden
Simón Sánchez-Moral, Complutense University of Madrid, Spain Alfonso Arellano, Complutense University of Madrid, Spain	An Exploratory Analysis of the Teleworking Options in the Metropolitan Region of Madrid.

SS34 - Roundtable: MNEs in the Age of Resilience and Sustainability Imperatives and Tensions

Fri Jan 12, 11:15 - 13:00, Room 5.206
CHAIR: Lucia Piscitello, Politecnico di Milano, Italy

Valentina De Marchi, ESADE, Spain
Cristina di Stefano, Politecnico di Milano, Italy
Silvia Massini, University of Manchester, UK
Jonatan Pinkse, University of Manchester, UK

OT13 - 02. Technologies and the Geography of Innovation

Fri Jan 12, 11:15 - 13:00, Room 2.219
CHAIR: Fulvio Castellacci, University of Oslo, TIK Centre, Norway

Torben Dall Schmidt, Helmut Schmidt University, Germany Wenzel Matiaske, Institute for Employment Relations and Labour, Helmut Schmidt University Germany Martina Maas, Institute for Employment Relations and Labour, Helmut Schmidt University, Germany	Digitalization, Technology Acceptance and Local Milieus: Adapting technologies in German Firms across Different Regional Contexts
Annalisa Caloffi, Università degli Studi di Firenze, Italy Simona Ciappei, Polytechnic University of Milan, Italy	T-KIBS in the New Digital Technologies: Web-based Evidence from Italy
Nirat Rujimora, Newcastle University, United Kingdom Giorgio Fazio, Newcastle University Business School, United Kingdom Sara Maioli, Newcastle University Business School, and, National Innovation Centre for Rural Enterprise, United Kingdom	The Twin Innovation Transitions of European Regions
Fulvio Castellacci, University of Oslo, TIK Centre, Norway Artur Santoalha, University of Oslo, TIK Centre, Norway	Does Digitalization Affect the Adoption of Electric Mobility? New Regional-level Evidence from Google Trends Data

OT01 - 03 Universities and the Geography of Science and Innovation

Fri Jan 12, 11:15 - 13:00, Room 5.212
CHAIR: Carolin Ioramashvili, SPRU, University of Sussex, United Kingdom

Lu Hao, University of Hong Kong, China Frank van der Wouden, University of Hong Kong Hong Kong, China Peng Gong, Department of Geography, The University of Hong Kong, Hong Kong SAR, China	Explaining Graduate Flows between Chinese Cities using Large-scale Micro-level Data
Ugo Rizzo, University Of Ferrara, Italy Giorgio Bolondi, University of Bozen, Italy Clelia Cascella, INVALSI, Italy Federica Ferretti, University of Ferrara, Italy	Bridging the Gender Gap in Mathematics: Examining STEM Enrolment Rate by Gender in Higher Education, in Italian Provinces
Corinne Autant-Bernard, University of Saint-Etienne, France Paul Charruau, University of Saint-Etienne, France	Universities, Human Capital and Knowledge Creation: Empirical Evidence from the Local Impact of New Universities Created in France
Carolin Ioramashvili, SPRU, University of Sussex, United Kingdom	Linking STEM Assets as Innovation Intermediaries in Local R&D Ecosystems

Chloe Billing, City-REDI, University of Birmingham, United Kingdom Simon Collinson, City-REDI, University of Birmingham, UK Magda Cepeda-Zorrilla, City-REDI, University of Birmingham, United Kingdom Fumi Kitagawa, City-REDI, University of Birmingham, United Kingdom	
--	--

SS12 - 01. The Doing, Using and Interacting (DUI) Mode of Innovation in European Firms and Regions

Fri Jan 12, 11:15 - 13:00, Room 5.205
CHAIR: Rolf Sternberg, Leibniz University Hannover, Germany

Leonie Reher, Georg-August-Universität Göttingen, Germany	DUI Drivers of Innovation and their Role in Lagging Regions
David Doloreux, HEC Montreal, Canada Richard Shearmur, McGill University, Canada Laurie-Anne St-Pierre, HEC Montreal, Canada	The Micro-geography of STI and DUI Interaction Modes
Jose Hervas, Universitat Politècnica De València, Spain Francisca Sempere-Ripoll, Universitat Politècnica De València, Spain	Exploring DUI Configurations in SMEs. A Capability-based and Configurational-thinking Approach
Silje Haus-Reve, Universitetet i Stavanger, Norway Anne Nordli, Inland School of Business and Social Sciences, Lillehammer, Norway	Environmental Innovation in Norway: A Comparative Study of STI and DUI Modes Using Logistic Regression and QCA to Uncover Green Configurations in Firms. .

Plenary 3- Innovation for Development in the Green and Digital Transitions

Fri, Jan 12, 14:00 – 15:30, Theatre B
CHAIR: Silvia Massini, University of Manchester, UK

Davide Consoli, INGENIO(CSIC-UPV), Universitat Politècnica de València	Everything's Gone Green ... or has it?
Erika Kraemer Mbula, University of Johannesburg	Harnessing the Twin Tides: Shaping Development through Green and Digital Innovation

ORGANISING COMMITTEE

Local Organising Committee

- Elvira Uyarra (Chair)
- Mabel Sanchez Barrioluengo (Co-chair)
- Silvia Massini
- Kieron Flanagan
- Raquel Ortega-Argilés
- Philip Shapira
- Shukhrat Nasirov
- Cornelia Lawson
- Bruce Tether
- Peng Khoo Gerald Chan
- Philip McCann
- Holly Crossley (Admin)
- Wendy Walker (Admin)

Other Committee Members

- Corinne Autant-Bernard (University of Saint Etienne, France)
- Jerome Vicente (University of Toulouse, France)
- Koen Frenken (Utrecht University, The Netherlands)
- Kristoffer Woldseth Moldekleiv (University of Stavanger, Norway)
- Ron Boschma (Utrecht University, The Netherlands and University of Stavanger, Norway)
- Rosina Moreno (University of Barcelona, Spain)
- Rune Dahl Fitjar (University of Stavanger, Norway)
- Andrea Morrison (University of Pavia and Bocconi University, Italy)

SCIENTIFIC COMMITTEE

Alessandra Colombelli (Politecnico di Torino, Italy)
Alessandra Faggian (Gran Sasso Science Institute, Italy)
Andrea Morrison (Utrecht University, Netherlands)
Andrés Rodríguez-Pose (London School of Economics, UK)
Artur da Rosa Pires (University of Aveiro, Portugal)
Beatrice D'Ippolito (University of York, UK)
Bjørn Terje Asheim (University of Stavanger, Norway)
Canfei He (Peking University, China)
Carlos Rodrigues (University of Aveiro, Portugal)
Cesar Hidalgo (ANITI, University of Toulouse)
David Charles (Northumbria University, UK)
David L. Rigby (UCLA, US)
Davide Consoli (INGENIO-CSIC, Spain)
Dieter Kogler (University College Dublin, Ireland)
Elisa Giuliani (University of Pisa, Italy)
Ernest Miguelez (University of Bordeaux, France)
Francesco Lissoni (University of Bordeaux, France)
Francesco Quatraro (University of Turin, Italy)
Fumi Kitagawa (University of Edinburgh, UK)
Gaetan de Rassenfosse (EPFL, Switzerland)
Heike Mayer (University of Bern, Switzerland)
Ina Drejer (Aalborg University, Denmark)
Jose-Luis Hervas-Oliver (Universitat Politècnica de València, Spain)
Josep Maria Arauzo Carod (Universitat Rovira i Virgili, Spain)
Julie Le Gallo (Agrosup Dijon, France)

SCIENTIFIC COMMITTEE

Lars Coenen (HVL The Mohn Centre for Innovation and Regional Development, Norway)
Lisa de Propriis (University of Birmingham, UK)
Lorenzo Cassi (Paris-Sorbonne, France)
Luisa Gagliardi (Bocconi University, Italy)
Markus Grillitsch (Lund University)
Maryann Feldman (Arizona State University, USA)
Megan MacGarvie (Boston University, USA)
Mercedes Delgado (University of Copenhagen, Denmark)
Michael Fritsch (University of Jena, Germany)
Michaela Trippel (University of Vienna, Austria)
Pierre Alex Balland (Utrecht University, The Netherlands and MIT, USA)
Rafael Boix (University of Valencia, Spain)
Rhiannon Pugh (Lund University)
Riccardo Crescenzi (London School of Economics, UK)
Roberta Rabellotti (University of Pavia, Italy)
Sami Mahroum (INSEAD Abu Dhabi UAE)
Shiri Breznitz (University of Toronto, Canada)
Silvia Rita Sedita (University of Padova, Italy)
Simona Iammarino (London School of Economics, UK)
Stefano Breschi (Bocconi University, Italy)
Stefano Usai (University of Cagliari, Italy)
Tom Broekel (University of Stavanger, Norway)



GEOINNO2024

MANCHESTER
1824

The University of Manchester

**MANCHESTER
INSTITUTE OF
INNOVATION
RESEARCH**

RSA Regional Studies
Association

Research Today, Policy Tomorrow

THE
PRODUCTIVITY
INSTITUTE

**MANCHESTER
URBAN
INSTITUTE**

creativemcr