

# POLISS

POLICIES FOR SMART SPECIALISATION

First Summer School POLISS  
Utrecht, the Netherlands  
6-17 September 2021  
WP2, D30 - D2.2



European  
Commission

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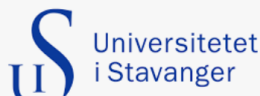
Universiteit Utrecht



THE LONDON SCHOOL  
OF ECONOMICS AND  
POLITICAL SCIENCE



Policy Research  
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Luigi Bocconi

## First Summer School POLISS

### 6-17 September 2021

### Utrecht

After a brief postponement due to COVID19 related restrictions we were able to meet *face-to-face* in Utrecht for our first POLISS Summer School; for those who could not join us physically we had a *livestream* connection throughout the programme.



For this first Summer School (Utrecht, Sep 2021) our aim was to exchange information, to further our knowledge and skills, and to strengthen our group dynamics. To make sure the needs of the Early Stage Researchers (ESRs) was met, we had a brief survey prior to the Summer School to identify subjects the ESRs wanted to address. This resulted in a programme addressing the following issues:

Knowledge & Research	Transferable Skills	Meet the Stakeholders	Group Dynamics
<ul style="list-style-type: none"> <li>- Research Ethics</li> <li>- Lectures</li> <li>- Research Presentations ESRs</li> </ul>	<ul style="list-style-type: none"> <li>- Presentation Skills</li> <li>- Data Management &amp; Privacy</li> <li>- Open Science</li> <li>- Research methods</li> <li>- Policy</li> </ul>	<ul style="list-style-type: none"> <li>- Rabobank</li> <li>- Province of Utrecht</li> <li>- Policy Makers</li> </ul>	<ul style="list-style-type: none"> <li>- Social gatherings</li> <li>- Working together</li> </ul>

## Knowledge & Research

### Ethics & Research

**Jarno Hoekman** (*Utrecht University*)

Recently, science has increasingly become compromised by issues having to do with the integrity of researchers, research teams and their institutions. Individuals, institutions, and the culture in which science can grow and proliferate seem to have become driven by incentives produced by the need to survive in present day academic reality, such as increased dependency on contract research, output-based financing, impact-factor-based publishing and the need for strategic maximization of Hirsch index, which makes them vulnerable to breaches of integrity. For young scientists in training, but also for established academic scholars, thus the question arises: What are the pitfalls of science and of how to develop and maintain a high ethical standard in the present-day academic reality?

### Globalisation and regional development policy: challenges and opportunities for EU regions

**Simona Iammarino** (*London School of Economics*)

One main negative externality of the transformations in the worldwide division of labour brought about by globalisation and technological change has been rising regional inequality, across and within countries. The exposure of regions to inflows/outflows of all kind of assets entails dynamic processes of specialisation and diversification able to reconfigure regional economic and institutional advantages for the core places, leaving others marginalised and further impoverished. However,

internationalisation processes and global players are still seriously underestimated in regional development policies, and the integration of regions in the global economy remains a “missing strategy”

### Smart, Green and Inclusive Growth in Europe

**Ron Boschma** (*Utrecht University and University of Stavanger*)

A presentation about *smart growth* (potential of regions to diversify), *green growth* (potential of regions to diversify in green technologies) and *inclusive growth* (potential of regions to diversify in complex activities)

### Plans, Planning and Governance

**Nancy Holman** (*London School of Economics*)

In this lecture we explored the similarities and potential lessons we can learn from the creation, implementation, and eventual monitoring in planning policy. We looked specifically at one set of policies designed to create a more sustainable London (urban compaction) and the embedded political battles and unintended consequences that have arisen from policy. Our ultimate goal will be to see what similarities and lessons might be gained from this in respect of S3s.

### Alone and Lonely. The Economic Costs of Solitude

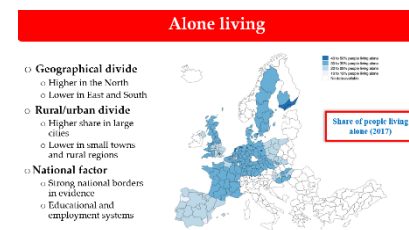
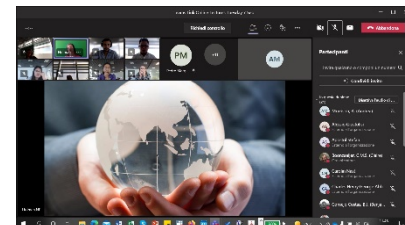
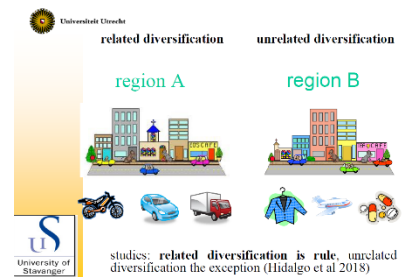
**Andrés Rodríguez-Pose** (*London School of Economics*)

Living alone does not necessarily mean that individuals are lonely, but these two dimensions of solitude —individually or in combination— are bound to have a significant economic impact on economies whose progress often depends on density and frequent interaction for the diffusion of knowledge. More people living alone, and more lonely people, may imply less interactions, less knowledge diffusion and, consequently, less economic growth. But is that really the case? In this presentation the effect of aloneness, proxied by people living alone, and being lonely, proxied by the number of social interactions, on GDP per capita at a regional level in Europe were discussed. It was argued that the presence of large number of people lonely and living alone in any particular territory has important implications for economic development, but that these go in different directions.

### STEM migration and innovation

**Andrea Morrison** (*Utrecht University and Bocconi University*)

Although the movement of people within and across countries is often the key source of technology transfer and diffusion due to the highly specific and tacit component of technical knowledge, migration has often been placed on the ‘back of the shelf’ in the innovation literature. Yet, migration speaks to questions of who moves and why, where they go, what they bring when they get there, and what impact they have on their new location and on their old; questions that have profound effects on the rate and direction of technical progress.



### Presentation of the Research Proposals of the Early Stage Researchers of POLISS

Thirteen PhD candidates of POLISS presented their Research Progress; the presentations were followed by fruitful discussions between ESRs and Academic staff of the different beneficiaries.



#### Entrepreneurship Ecosystem and Smart Specialisation

**Stefan Apostol** (*University of Pécs*)

#### The Combination of Skills and the Impacts on Entrepreneurship

**Yifan Tian** (*Bocconi University*)

#### Fraunhofer centres across Europe: Effects of Technology Transfer on Regional Innovation

**Pedro Llanos Paredes** (*London School of Economics*)

#### Regional Task Spaces: Functional Diversification Processes Throughout GVCs

**Eduardo Hernández Rodríguez** (*Utrecht University*)

#### Immigration restrictions and their impact on novel and impactful innovation in the United States

**Benjamin Cornejo Costas** (*Utrecht University*)

#### The Distributional Effects of Globalisation: Different dimensions of Labour Market, Regional And Innovation Inequality

**Martine Pardy** (*London School of Economics*)

#### The Role of Universities in Smart Specialisation Strategies

**Carolyn Nast** (*University of Stavanger*)

#### Place-Specific Factors and the Design and Implementation of Smart Specialisation Strategies

**Alessio Giustolisi** (*University of Vienna*)

#### The Creative Destruction of Artificial Intelligence: Evidence from US Metropolitan Statistical Areas

**Dongmiao Zhang** (*Utrecht University*)

#### New Factors of Innovation Policy Choice in European Regions

**Charles Abbot** (*University of Stavanger*)

#### Monitoring Smart Specialisation

**Ghinwa Moujaes** (*INGENIO*)

#### The Economic Impact of Smart Specialisation Policy in Less Developed European Regions

**Eristian Wibisono** (*University of Pécs*)

#### The Role of Universities in Smart Specialisation Strategies

**Carolyn Nast** (*University of Stavanger*)

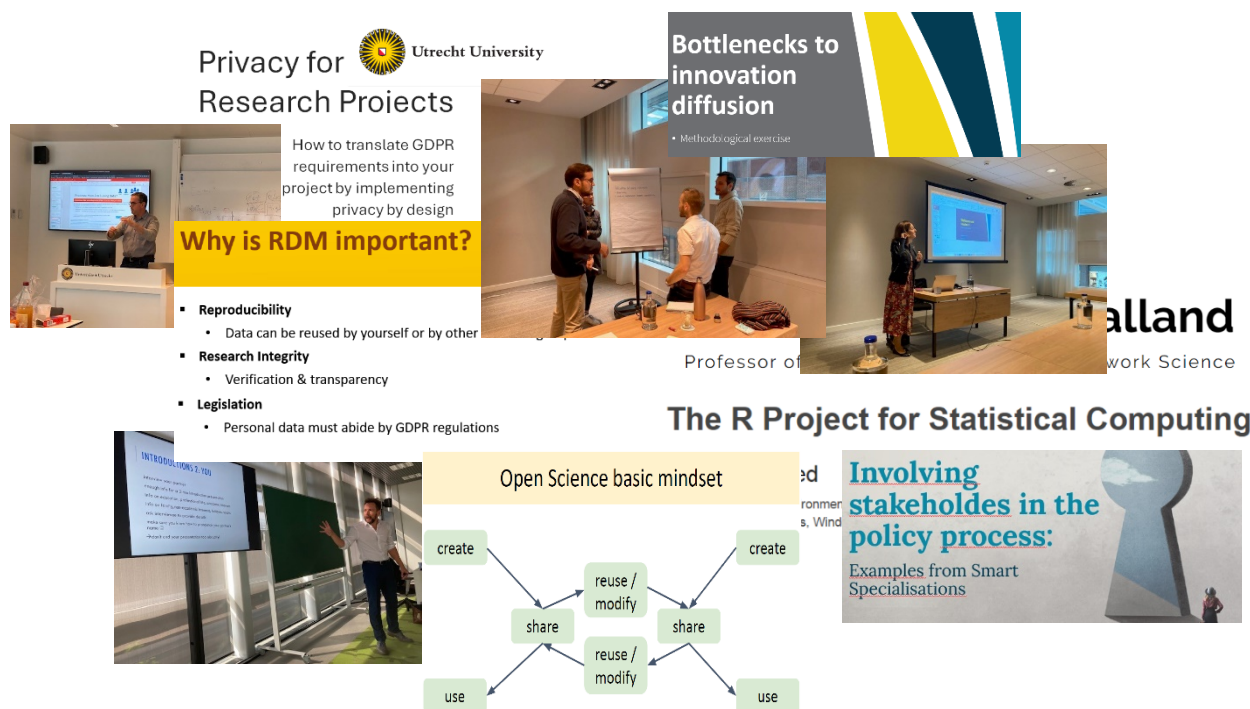
#### Exploring the role of key actors in collaborative knowledge networks

**Dima Yankova** (*INGENIO*)



## Transferable Skills

In addition to knowledge and discussions related to the different research activities within the POLISS network, the Summer School also focused on skills development ranging from communication to data management skills & from research methods to policy influencing.



### Presentation Skills, Fulco Teunissen (Utrecht University)

This interactive workshop focused on giving scientific presentations in English. Different aspects of presenting were discussed, such as an effective structure of a presentation, aspects that make a presentation impactful & the difference between live and online presenting. Every participant presented a short pitch, and received feedback on this.

### Data Management & Privacy, Jacques Flores & Francisco Romero Pastrana (Utrecht University)

Data management is all about making your work efficient, and create more value for your data for yourself and others, during and after your research. For instance by working towards FAIR (findable, accessible, interoperable, reusable) or Open data. All POLISS researchers were encouraged to make a data management plan at the start of their project to ensure that they are well prepared. The workshops on Data Management and Privacy guided and support the POLISS Researchers to finetune and improve their Data Management Plans, while considering issues of privacy and compliance to the GDPR.

### Open Science, Jeroen Bosman & Bianca Kramer (Utrecht University Library)

This workshop aimed to get the POLISS researchers up to speed on open science goals, practices, motivations, barriers and facilitating policies. It allowed for group discussion, exploration of hands-on tools, understanding of reuse licenses and team building. Working in small groups, ESRs tried to create

personal and practical open science roadmaps, discussing the various options to (further) integrate relevant open science practices (big or small) into their research.

**Policy Making in Regional Development, Elisabetta Marinelli** (*Policy Research Interface*)

Whilst covering various technical aspects, this two day workshop provided an understanding of the day-to-day of policy making in regional development. The workshop covered amongst others the different key themes of Smart Specialisation (entrepreneurial discovery, governance, monitoring, industrial transitions); the Bottleneck Analysis of innovation diffusion; reflections on the incentives, motivation and skills of different stakeholders to engage with the public administration; and the assessment of the relevance of Research and research skills in the policy making world.

**Research Methods, Pierre-Alex Balland, Sergio Petralia and Nicola Cortinovis** (*Utrecht University*)

Economists use concepts and methods from network science to understand a complex, global, and interconnected world. In network thinking, the fundamental unit of analysis consists of the relationships among interacting units rather than the individual characteristics of these units. The ability to analyze the particular way relationships are organized - i.e. the network structure - is crucial in understanding complex phenomena in nature and society. In this workshop, we discussed how a network perspective can help us to re-think key issues in economics. More specifically, this workshop introduced concepts and methods to map and measure relationships and flows between people, firms, cities, economic sectors, communities, or any other element of a complex economic system. We discussed how the structure of a system influences its overall performance, why the relative position in a network conditions the access to critical resources, and how relationships are created and dissolved over time.

## Meet the Stakeholder

**Province of Utrecht : Multilevel governance: how to align local, regional, national and European policy for economic impact. Monique Roso & Sjors Aartsen** (*Utrecht Province*)



**Monique Roso** (Head of Regional Economic Research, Province of Utrecht) hosted a workshop on cooperation between different levels of government. Not only the coordination between the levels is a challenge, but also between the policy silos, and between government and triple helix partners. Can we reduce complexity in governance?

**Sjors Aartsen** (member of the EU-team of the province, partly based in Brussels) explained the policy making processes within the EU and his role as a policy influencer. He discussed issues concerning the alignment in multi-level governance, including the balance between cooperation and competition.

**Rabobank, Sjoerd Hardeman** (*Rabobank Utrecht*)

Sjoerd Hardeman works as a senior economist at RaboResearch Netherlands. He primary focuses on the translation of macro and sector developments into implications for companies. In addition, he is involved in the development of sector and regional forecasts and he contributes to studies with a special focus on broad prosperity and innovation.

## Meet the policy practitioner, the stakeholder and the PhD Practitioner

Facilitated by **Elisabetta Marinelli** (*Policy Research Interface*)

During the skills workshop on Policy Making in Regional Development, the participants of the POLISS Summer School had the opportunity to meet with many stakeholders in the field of regional development, with whom they discussed different aspects of policy making in regional development. Amongst those that participated in our Summer School were:

**Martina Montinaro** (*R&D manager at DFV Srl*)

**Riccardo Zanelli** (*Cluster COMET – Friuli Venezia Giulia*)

**Prof. Xavier Ariño** (*Head of Rector's office at Universitat Autònoma de Barcelona*)

**Dr Federica Bertamino** (*Senior Economist, Italian Agency for Territorial Cohesion*)

**Paolo Rosso** (*OECD*)

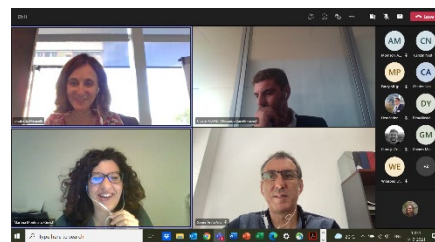
**Santiago Donat** (*Ayming*)

**Dr Fabrizio Guzzo** (*EC-JRC*)

**Dr Tatiana Fernandez** (*Head of Economic Promotion at Generalitat de Catalunya*)

**Dr Jennifer Grisorio** (*Project Manager at Apulian Agency for Technology and Innovation*)

**Dr Carlo Gianelle** (*EC-JRC*)



## Group Dynamics

Meeting each other in person for the first time

Social Dinners & Drinks

Canoeing through the canals of Utrecht

Working together and discussing research progress





# ANNEX 1

## PROGRAMME SUMMER SCHOOL 2021



**POLISS PhD Summer School**  
**The Netherlands, Utrecht**  
**6 - 17 September 2021**

*To care for the environment, please bring your own water bottle*  
*Please bring your own laptop and headphones*

**Locations:**

**University Campus - Utrecht Science Park**

*Victor J. Koningsbergergebouw (Budapestlaan 4a-b, 3584 CD)*

*University Library Science Park (Heidelberglaan 3, 3584 CS)*

*Vening Meineszgebouw A (Princetonlaan 8a, 3584 CB)*

[Plattegrond Campus Utrecht Science Park - Vastgoed & Campus - Universiteit Utrecht \(uu.nl\)](#)

**& Utrecht City Center**

*Crowne Plaza Hotel (Catharijne Esplanade 13, 3511 WK)*

*below the Hampton by Hilton Hotel*

**Livestream and/or Teams available:**

*Teams link for the online lectures on Tuesday 7 September:*

[Click here to join the meeting](#)

*Link to the live stream 6-9 September:*

[Click here to join the meeting](#)

*Teams link for the Board Meeting on Thursday 9 September:*

[Click here to join the meeting](#)

*Teams link to the Workshop of Elisabetta Marinelli on 13-14 September:*

*See Programme Info Elisabetta (different links)*

**Organizers:**

Ron Boschma (Utrecht University / University of Stavanger)

Simona Iammarino (London School of Economics)

Andrea Morrison (Utrecht University / Bocconi University)

# Programme

## Monday 6 September

Room: Victor J. Koningsberger Building – room 224 (KBG 224)

Livestream link: [Click here to join the meeting](#)

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08:45-09:00	Welcome by Andrea Morrison ( <i>Utrecht University and Bocconi University</i> )
09:00-10:45	<b>Lecture: Smart, Green and Inclusive Growth in Europe</b> <b>Ron Boschma</b> ( <i>Utrecht University and University of Stavanger</i> )  A presentation about <i>smart growth</i> (potential of regions to diversify), <i>green growth</i> (potential of regions to diversify in green technologies) and <i>inclusive growth</i> (potential of regions to diversify in complex activities)
11:00-13:00	<b>Workshop Presentation Skills</b> <b>Fulco Teunissen</b> ( <i>Utrecht University</i> )  This interactive workshop focuses on giving scientific presentations in English. We will be working on different aspects of presenting, such as an effective structure of a presentation, online presenting and aspects that make a presentation impactful. Every participant will present a short part of a presentation and/or a research pitch, and will receive feedback on this.
13:00-14:15	Lunch Break
	<b>Presentations Research Projects Theme 1 : Entrepreneurial Discovery</b>
14:15-15:15	<b>Work title: Entrepreneurship Ecosystem and Smart Specialisation</b> <b>Stefan Apostol</b> ( <i>University of Pécs</i> )
15:30-16:30	<b>Work title: The Combination of Skills and the Impacts on Entrepreneurship</b> <b>Yifan Tian</b> ( <i>Bocconi University</i> )
	<b>Presentation Research Project Theme 2: Inclusive</b>
16:45-17:45	<b>Work title: Fraunhofer centers across Europe: Effects of Technology Transfer on Regional Innovation</b> <b>Pedro Llanos Paredes</b> ( <i>London School of Economics</i> )

## Tuesday 7 September

**Room: Victor J. Koningsberger Building – room 224 (KBG 224)**

**Teams link lectures:** [Click here to join the meeting](#)

**Livestream link:** [Click here to join the meeting](#)

10:00-11:15	<p><b>Lecture (online): Globalisation and regional development policy: challenges and opportunities for EU regions</b> <b>Simona Iammarino</b> (<i>London School of Economics</i>)</p> <p>One main negative externality of the transformations in the worldwide division of labour brought about by globalisation – led particularly by large Multinational Enterprises – and technological change has been rising regional inequality, across and within countries. The exposure of regions to inflows/outflows of all kind of assets entails dynamic processes of specialisation and diversification able to reconfigure regional economic and institutional advantages for the core places, leaving others marginalised and further impoverished. However, internationalisation processes and global players are still seriously underestimated in regional development policies, and the integration of regions in the global economy remains a “missing strategy”.</p>
11:30-12:30	<p><b>Lecture (online): Plans, Planning and Governance</b> <b>Nancy Holman</b> (<i>London School of Economics</i>)</p> <p>In this lecture we will explore the similarities and potential lessons we can learn from the creation, implementation, and eventual monitoring in planning policy. We will look specifically one set of policies designed to create a more sustainable London (urban compaction) and the embedded political battles and unintended consequences that have arisen from policy. Our ultimate goal will be to see what similarities and lessons might be gained from this in respect of S3s.</p>
12:30-14:00	<b>Lunch Break</b>
	<b>Presentations Research Projects Theme 2: Inclusive</b>
14:00-15:00	<p><b>Work title:</b> Regional Task Spaces: Functional Diversification Processes Throughout GVCs <b>Eduardo Hernández Rodríguez</b> (<i>Utrecht University</i>)</p>
	<b>Presentation Research Project Theme 3: Evolutionary</b>
15:15-16:15	<p><b>Work title:</b> Immigration restrictions and their impact on novel and impactful innovation in the United States <b>Benjamin Cornejo Costas</b> (<i>Utrecht University</i>)</p>
16:30-17:30	<p><b>Work title:</b> The Distributional Effects of Globalisation: Different dimensions of Labour Market, Regional And Innovation Inequality <b>Martine Pardy</b> (<i>London School of Economics</i>)</p>



## Wednesday 8 September

**Room:** Victor J. Koningsberger Building – room 228 (KBG 228)

**Livestream link:** [Click here to join the meeting](#)

09:00-10:45	<b>Lecture: Alone and Lonely. The Economic Costs of Solitude</b> Andrés Rodríguez-Pose ( <i>London School of Economics</i> )
	<b>Presentations Research Projects Theme 2: Evolutionary</b>
11:00-12:00	<b>Work title:</b> Place-Specific Factors and the Design and Implementation of Smart Specialisation Strategies Alessio Giustolisi ( <i>University of Vienna</i> )
	<b>Presentation Research Project Theme 3: Evolutionary</b>
12:15-13:15	<b>Work title:</b> The Creative Destruction of Artificial Intelligence: Evidence from US Metropolitan Statistical Areas Dongmiao Zhang ( <i>Utrecht University</i> )
13:15-14:30	Lunch Break
	<b>Presentations Research Projects Theme 4: Experimental</b>
14:30-15:30	<b>Work title:</b> New Factors of Innovation Policy Choice in European Regions Charles Abbot ( <i>University of Stavanger</i> )
15:40-16:40	<b>Work title:</b> Monitoring Smart Specialisation Ghinwa Moujaes ( <i>INGENIO</i> )
19:00	Social Dinner

## Thursday 9 September

**Room:** University Library Utrecht Science Park, BOOTH zaal

**Livestream link:** [Click here to join the meeting](#)

**Board Meeting:** Vening Meineszgebouw A, room 1.04

**Teams link Board Meeting:** [Click here to join the meeting](#)

	<b>Presentation Research Project Theme 4: Experimental</b>
09:00-10:00	<b>Work title:</b> The Economic Impact of Smart Specialisation Policy in Less Developed European Regions Eristian Wibisono ( <i>University of Pécs</i> )
	<b>Presentations Research Projects Theme 5: Supportive</b>
10:15-11:15	<b>Work title:</b> The Role of Universities in Smart Specialisation Strategies Carolyn Nast ( <i>University of Stavanger</i> )
11:30-12:30	<b>Work title:</b> Exploring the role of key actors in collaborative knowledge networks Dima Yankova ( <i>INGENIO</i> )
12:30-14:00	Lunch Break
14:00-16:00	<b>BOARD MEETING</b>  Parallel: time for ESRs and Supervisors to work on finalising Personal Career Development Plans (and/or other project deliverables)
16:00 – 18:00	ESRs/Supervisors: time to work on finalising Personal Career Development Plans

## Friday 10 September

**Room: University Library Utrecht Science Park, Bucheliuszaal (6.18)**

09:00-09:45	<b>Workshop Data Management 1: Introductions Data Management</b> Jacques Flores ( <i>Utrecht University</i> )
10:00-10:45	<b>Workshop Data Management 2: Introductions Privacy</b> Francisco Romero Pastrana ( <i>Utrecht University</i> )
11:15-12:30	<b>Workshop Open Science 1: Introduction to open science</b> Jeroen Bosman & Bianca Kramer ( <i>Utrecht University Library</i> ) This workshop aims to get you up to speed on open science goals, practices, motivations, barriers and facilitating policies. It allows for group discussion, detailing a selection of practices set by the participants and might even include a bit of team building.
12:30-14:00	<b>Lunch Break</b>
14:00-15:15	<b>Workshop Open Science 1: Introduction to open science -- Continued</b> Jeroen Bosman & Bianca Kramer ( <i>Utrecht University Library</i> )
15:45-17:00	<b>Workshop Open Science 2: Finding and using resources in an open science context</b> Jeroen Bosman & Bianca Kramer ( <i>Utrecht University Library</i> ) In this session you will hands on explore tools and options for finding traditional but especially also non-traditional research outcomes tuned to the needs of your project. Think articles, but also data, software, presentations, policy documents, preprints and more. You will become acquainted with reuse licenses that many of these resources are shared under.

## Monday 13 and Tuesday 14 September

**Elisabetta Marinelli** (*Policy Research Interface*)

Two day training facilitated by Elisabetta Marinelli including activities, presentations and interactions which aim at providing students with a practical understanding of strategic policy making and the role of analytical skills within it. Whilst covering various technical aspects, the aim of these two days, is largely to provide an understanding of the day-to-day of policy making in regional development. The training is organised in four sessions, two per each day."

### Monday 13 September

**Room:** Crowne Plaza Hotel, Utrecht City Centre

**Teams link Elisabetta Marinelli:**

09:00-09:30	Welcome by Elisabetta Marinelli ( <i>Policy Research Interface</i> )
09:30-11:00	<b>Workshop:</b> When is research on regional development policy relevant? Elisabetta Marinelli ( <i>Policy Research Interface</i> )
11:30-13:30	<b>Introduction:</b> Smart Specialisation Elisabetta Marinelli ( <i>Policy Research Interface</i> ) Different key themes of Smart Specialisation will be covered, namely entrepreneurial discovery, governance, monitoring, industrial transitions.
13:30-14:30	Lunch Break
14:30-16:30	<b>Workshop:</b> Exercise on Bottleneck Analysis of Innovation Diffusion Elisabetta Marinelli ( <i>Policy Research Interface</i> ) Participatory exercise where ESRs will develop a draft methodology for identifying bottlenecks to innovation diffusion taking into account reflections on (Academic and policy) literature review, Qualitative methods, Quantitative methods and Document analysis.
16:30-17:30	<b>Workshop:</b> Meet the policy maker Elisabetta Marinelli ( <i>Policy Research Interface</i> )

### Tuesday 14 September

**Room:** Victor J. Koningsberger Building – room 208 (KBG 208)

**Teams link Elisabetta Marinelli:**

09:00-11:00	<b>Introduction:</b> Entrepreneurial Discovery Elisabetta Marinelli ( <i>Policy Research Interface</i> ) The presentation will explore the EDP conceptually and empirically. Particular focus will be given to the case of Catalonia, a recognised good practice.
11:30-13:30	<b>Workshop:</b> Meet the stakeholders Elisabetta Marinelli ( <i>Policy Research Interface</i> ) Participatory exercise to reflect on the incentives, motivation and skills of different stakeholders to engage with the public administration
13:30-14:30	Lunch Break
14:30-16:30	<b>Workshop:</b> Skills and capacities of policy makers for S3 Elisabetta Marinelli ( <i>Policy Research Interface</i> )
16:30-17:00	<b>Plenary Debate</b> Elisabetta Marinelli ( <i>Policy Research Interface</i> )

## Wednesday 15 September

Room: University Library Utrecht Science Park, BOOTH zaal

09:30-12:00	<p><b>Province of Utrecht</b> : Multilevel governance: how to align local, regional, national and European policy for economic impact.</p> <p><b>Monique Roso</b> (<i>Utrecht Province</i>) &amp; <b>Sjors Aartsen</b> (<i>Utrecht Province</i>)</p> <p>Monique Roso (Head of Regional Economic Research, Province of Utrecht) will host a workshop on cooperation between different levels of government. Not only the coordination between the levels is a challenge, but also between the policy silos, and between government and triple helix partners. Can we reduce complexity in governance?</p> <p>Sjors Aartsen (member of the EU-team of the province, partly based in Brussels) will focus on the questions concerning the alignment in multi- level governance, including the balance between cooperation and competition. Using a game concept, he will challenge the workshop participants to deal with the dilemmas on the distribution of European funds.</p>
12:30-14:00	<b>Lunch Break</b>
14:00-16:00	<p><b>Workshop Ethics &amp; Research</b></p> <p><b>Jarno Hoekman</b> (<i>Utrecht University</i>)</p>
19:00	<b>Social Dinner</b>

## Thursday 16 September

Rooms: Vening Meineszgebouw A, room 1.04

Open Science Workshop: University Library Utrecht Science Park, Bucheliuszaal (6.18)

09:00-10:00	<p><b>Lecture: STEM migration and innovation</b></p> <p><b>Andrea Morrison</b> (<i>Utrecht University and Bocconi University</i>)</p>
10:15-12:15	<p><b>Workshop Data Management 3: Data Management</b></p> <p><b>Jacques Flores &amp; Francisco Romero Pastrana</b> (<i>Utrecht University</i>)</p> <p>Participatory workshop based on questions raised by the ESRs</p>
12:30-14:00	<b>Lunch Break</b>
14:00-16:00	<p><b>Workshop Open Science 3: Personalised Open Science Roadmaps</b></p> <p><b>Jeroen Bosman &amp; Bianca Kramer</b> (<i>Utrecht University Library</i>)</p> <p>Working in small groups, you will try to create personal and practical open science roadmaps, discussing the various options to (further) integrate relevant open science practices (big or small) into your research plans</p>
16:15-17:30	<p><b>Rabobank</b></p> <p><b>Sjoerd Hardeman</b> (<i>Rabobank Utrecht</i>)</p>



## Friday 17 September: Methods

Room: University Library Utrecht Science Park, BOOTH zaal

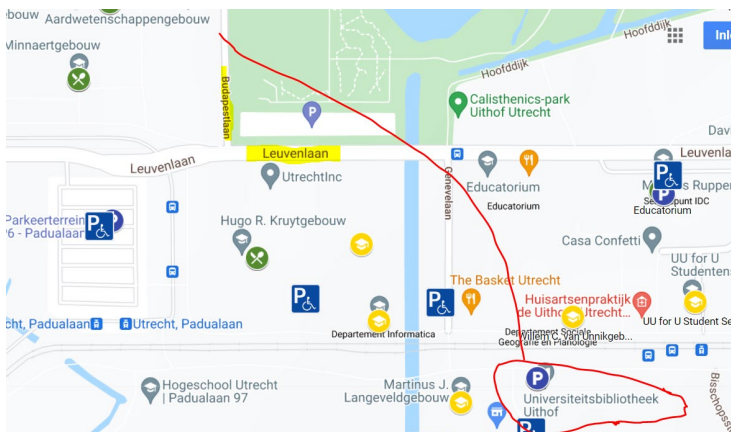
09:00-12:30	<b>Methods part 1</b> <b>Pierre-Alex Balland, Sergio Petralia and Nicola Cortinovis</b> ( <i>Utrecht University</i> ) Economists use concepts and methods from network science to understand a complex, global, and interconnected world. In network thinking, the fundamental unit of analysis consists of the relationships among interacting units rather than the individual characteristics of these units. The ability to analyze the particular way relationships are organized - i.e. the network structure - is crucial in understanding complex phenomena in nature and society. In this workshop, we discuss how a network perspective can help us to re-think key issues in economics. More specifically, this course will introduce concepts and methods to map and measure relationships and flows between people, firms, cities, economic sectors, communities, or any other element of a complex economic system. We will discuss how the structure of a system influences its overall performance, why the relative position in a network conditions the access to critical resources, and how relationships are created and dissolved over time. This workshop consists of lectures combined with computer exercises.
12:30-14:00	<b>Lunch Break</b>
14:00-17:30	<b>Methods part 2</b> <b>Pierre-Alex Balland, Sergio Petralia and Nicola Cortinovis</b> ( <i>Utrecht University</i> )

## *Utrecht Science Park*

**Link to google maps:** [Plattegrond Campus Utrecht Science Park - Vastgoed & Campus - Universiteit Utrecht \(uu.nl\)](#)



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