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**GRINS**  
FOUNDATION

## DELIVERABLE 1.2

# Knowledge Center for Territorial Data (KCTD)

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## Executive summary

A Knowledge Center for Territorial Data (KCTD) has been established to support Spoke 7 activities and promote scientific and application dissemination activities with experts in the field and public and private stakeholders. This ensures that the outcomes of research can have the widest possible diffusion both in academia and in civil society, at both local and national levels.

The KCTD provides domain-specific expertise, with specialists skilled in economics, data analytics and statistical modeling, focusing on environmental and territory-related data. Their methodological expertise in data analytics and statistics is crucial for ensuring accurate data collection and high-quality empirical analysis. Experts at the KCTD, interacting with the critical mass and researchers of GRInS, support activities related to the construction of the Dashboard of territorial indicators. Through advanced data fusion and integration techniques, data tools and applications, and space-time hierarchical models, open-access databases can be enhanced and assume greater value for researchers, stakeholders, and policymakers.

KCTD has involved and will continue to involve experts from various fields, including economics, econometrics, data analytics, environmental studies, territorial analysis, geography, engineering, and urban and regional planning. These experts are essential

for developing new and specific methodologies to approach territorial sustainability topics. They support both the methodological and applied research of Spoke 7's researchers, contributing to the development of innovative solutions to address territorial challenges. This includes creating predictive models and planning tools for economic, environmental and societal impact assessments, and generating comprehensive data sets and simulation tools that inform policy decisions.

Additionally, the KCTD aims to provide a physical laboratory where entrepreneurs, industry stakeholders, public officers, and decision-makers meet with researchers and experts from academia and research centers to discuss the latest trends, innovation opportunities, data and methodological tools and where they can share and discuss reciprocal needs. This collaborative space is designed to promote the study and definition of solutions for the advancement of sustainability at various territorial scales and for specific industries and sectors.

Besides promoting interaction within Spoke 7's critical mass, the KCTD is functional in establishing partnerships with international research institutions, enhancing the exchange of knowledge and best practices. These collaborations will help integrate global insights into local territorial challenges, ensuring that the solutions developed are both innovative and globally relevant. Through these initiatives, the KCTD will play a pivotal role in advancing the understanding and management of territorial data, ultimately contributing to more sustainable and resilient territorial development.

The laboratory will host conferences, workshops, seminars, public lectures, training events, and collaborative projects, bringing together diverse expertise and perspectives, fostering innovation and practical solutions for sustainable territorial development. The center will provide platforms for researchers to share their findings and engage with a broader audience. Also students and PhD students will benefit from the activities, initiatives and resources of the center.

Additionally, the center will publish research papers, policy briefs, and informative reports to ensure that valuable insights and advancements reach a diverse array of audiences, including policymakers, industry leaders, and community organizations. By fostering collaborations with media outlets and leveraging digital platforms, the center aims to enhance public understanding of key territorial issues and encourage informed discussions within society.

The KCTD will also continually expand its repository of data, datasets, software, academic resources, and information from companies, enhancing its ability to support comprehensive research and application.

In summary, the center is dedicated to bridging the gap between research and practice, ensuring that scientific discoveries and innovations contribute meaningfully to societal progress and sustainable development. Through its comprehensive dissemination strategy, the center will play a crucial role in shaping informed policies and fostering a well-informed public on instruments and policies toward more resilient and sustainable communities.

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# 1. Spoke 7 Territorial sustainability

## 1.1 WP 1 – Measuring and monitoring infrastructures and services' gaps

Spoke 7 addresses the domain of attractiveness and resilience as the result of the interaction of 'tangible' factors (e.g., physical infrastructure and digital networks) and 'intangible' factors (e.g., social cohesion and inclusion, knowledge, safety) that characterize each territory. In particular, the activities of WPI specifically aim to understand and monitor the attractiveness and resilience of a territory, measuring its capacities, which are defined as the collective capital assets within a community or a territory. Capacities are measured through a dashboard of indicators that are grouped into four main dimensions of capital: economic capital, which encompasses the financial resources that people use to support their livelihood; social capital, related to social networks, services, and resources to support the accomplishment of citizens' needs; human capital, which includes skills, knowledge, health, and ability to work; and physical capital, which concerns the basic infrastructure that can help households and businesses support their livelihoods, including natural resources. For these reasons, WPI aims to develop a Dashboard of geo-localized and real-time data to measure and assess the gaps among and within territories regarding infrastructures and service endowments. Furthermore, to provide a multiparametric and empirical characterization of the strengths and weaknesses of the territories analyzed, including a toolbox and specific expertise for extensive data analytics and classification/clustering methods, a Knowledge Center for Territorial Data" (KCTD) has been established (deliverable D1.2 Knowledge Center for Territorial Data (KCTD) (M18)). This deliverable aims to support, through high level experts on territorial research issues, data tools and applications, the research activities of the Spokes 7.

### 1.1.1 D1.2 Knowledge Center for Territorial Data (KCTD)

A Knowledge Center for Territorial Data (KCTD) has been established to support the activities of Spoke 7. The KCTD provides specific expertise as domain specialists, with skills in analyzing economic, environmental, territorial, and urban data, along with methodological expertise in data analytics and statistics. The KCTD is staffed by experts in various fields, including economics, data science, environmental studies, territorial analysis, geography, engineering, and urban planning. Their expertise is vital in ensuring accurate data collection, high-quality empirical analysis, and developing new and specific methodologies to study topics related to territorial sustainability. Furthermore, KCTD combines scientific coherence and real-world experience to analyze the key challenges facing private and public sector organizations. Its aim is to produce

conceptual and quantitative assessments relevant to organizations, companies, and regulators.

The Knowledge Center for Territorial Development (KCTD) is a physical and virtual laboratory that aims to provide knowledge about territorial data. It offers opportunities for master's and doctoral students, researchers, and GRINS stakeholders to interact with experts in the field. The center aims to equip them with the required knowledge to collect data using the latest technologies and conduct empirical and robust territorial analysis. Researchers can work closely with experts specialized in well-established and emerging technologies such as standard econometric modelling, machine learning, artificial intelligence, big data analysis, GIS and advanced statistical models. These experts are academic researchers affiliated with the best EU and international research centers. This approach helps to develop the skills necessary to conduct high-quality research and propose innovative solutions in the territorial analysis domain.

In addition to the research conducted in WP1, WP2, and WP3, specific courses related to these research lines have been and will be organized. By adopting sophisticated approaches, researchers can solve complex infrastructure, mobility, and sustainability issues. This also enables them to develop advanced models that would be otherwise difficult to identify with traditional methods.

To carry out Spoke 7 activities, hardware and specific software licenses have been purchased, including STATA software and TLAB software, and more software will be procured in the coming months to conduct surveys, geographical analysis, scraping, and other activities per project deliverables and deadlines. Furthermore, specific magazine and journal subscriptions have been started to promote discussion among research members and to understand the territorial need and updates. These include Il Sole 24 ore magazine and Ferpress, among others.

The Knowledge Center for Territorial Data will continue to be a key place for training the next generation of researchers and supporting the development of more effective and sustainable policies. Over the next 18 months, various initiatives will be organized, including additional courses, seminars, and summer schools focused on multidisciplinary analyses of territorial sustainability.

The main KCTD activities are related to innovative and effective data collection (1.1.2), robust and multidisciplinary empirical analysis related to territorial sustainability (1.1.3), and scientific knowledge diffusion and territorial guidelines development (1.1.4).

## 1.1.2 Data collection with Innovative Techniques at the Knowledge Center for Territorial Data

Data collection is a crucial aspect of territorial (urban and regional) analysis, requiring various techniques to gather information from various sources. KCTD supports using academic courses and statistical tools to acquire territorial data, such as satellite imagery, lidar, GIS software, open-source surveys, experiments, and statistical techniques. This is particularly important as urban data can be difficult to access and may need to be more organized for scientific research. While data on larger cities and areas may be plentiful, data at the municipal or intra-municipal level is often scarce. Gathering data and indicators from all municipalities requires specific statistical software and training to analyze Italy's territorial sustainability accurately. These efforts will support spoke 7 deliverables, and data and indicators will be published in the Open Repository of Territorial Data and Indicators as part of Deliverable WPI month 30.

In particular, establishing a Knowledge Center for Territorial Data is functional to address the following main activities envisaged by the WPI:

- Identify indicators of attractiveness and resilience;
- Identify the infrastructures and services' gaps;
- Collect and harmonize data on infrastructures and services and their use from different data sources: a) administrative; b) individuals, households, firms, PA, local authorities, utilities, through on-line surveys/lab-in the field experiments (recurrent and study-specific) and stated preferences/choice exercises; c) remote sensors, including remotely sensed land use/land cover data from multiple satellite sources and airborne LIDAR; d) flow data - mobility flows from smartphone, beacons, etc., navigation systems - and text and social media data;
- Define methodological protocols for data fusion and integration.

The data collected through various and different sources, integrated with advanced techniques, are used to carry out sophisticated analyses which populate policy briefs and reports.

KCTD will provide students, researchers, industry representatives and policymakers with the latest methodologies, statistical software, and data available to carry out Spoke 7 research.

## 1.1.3 Analysis of Territorial Data: Key to Effective Sustainable Policies

KCTD activities aim to provide valuable tools, theory, methodologies and specific knowledge for research centers, local authorities, and public agencies, among other stakeholders, to measure, analyze and assess the effectiveness of development policies.

Precise measurements have the added advantage of allowing for the assessment of inequalities in resource distribution at territorial level. This could help local authorities and regulators to develop more inclusive and equitable development policies. Focusing on equity is crucial in reducing the disparities between urban and rural areas. The involvement of stakeholders ensures that policies are based on data and social needs.

Having reliable data and conducting robust analyses is crucial for making sound investment decisions. This helps public agencies and regulators to allocate public funds adequately. Effective monitoring methods and clear evaluation tools allow stakeholders to keep track of policy outcomes over time. This facilitates adjustments to strategies to address emerging issues before they escalate. Theoretical frameworks and empirical methodologies accurately measure various indicators, including accessibility, mobility, territorial development, and environmental impact. These indicators help local authorities in collaboration with stakeholders to measure the success of development policies and identify areas that need improvement. Moreover, studies can help identify local communities' specific needs, enabling public bodies and local regulators to design tailored policies.

## 1.1.4 Scientific Communication and Topics

The KCTD courses covered various topics related to econometrics methodologies, counterfactual evaluation, discrete choice modelling, urban transportation, data science, and sustainable tourism development. These included evaluating the impact of transport flows on small trucks and vans in cities, urban planning, sustainable and shared mobility services, distributive effects of economic policies, competition, and industrial organization, and empirical territorial analysis conducted globally. This approach taught students and stakeholders valuable knowledge to address contemporary urban challenges and contribute to a more sustainable future through targeted and effective policies.

In particular, some of the courses and meetings organized within the last 18 months are listed below. Please see the end of the document for further details.

- Empirical Analysis and Methodologies for Economic and Territorial Data;
- Operationalizing Equity Measurement based on Distributional Effects of Policy Interventions;
- The seventh transport revolution and the challenge of sustainability;

- Sustainable and sharing mobility services. Case studies and application in Malta;
- The assessment of the impact of transport flows for small trucks and vans in inner cities. The development of a new database in the case of Netherland;
- Analisi e valutazione delle politiche pubbliche territoriali;
- Economia comportamentale e delle scelte;
- Progettare lo sviluppo turistico sostenibile;
- Strumenti di programmazione urbana.

These courses and meetings have been useful in acquiring new econometric and data science knowledge and discussing existing research activities with the experts listed in the Spoke 7 project. These meetings and courses will also be necessary to write and publish relevant and rigorous scientific papers on Spoke 7 topics and to develop tailored guidelines and policy reports as indicated in the Spoke 7 project. Furthermore, KCTD supports policymaking by identifying, filtering, and structuring relevant information and making it accessible, bringing together researchers, policymakers, and other experts in the field, analyzing and synthesizing available evidence, and communicating it in a transparent, tailored, and concise manner.

## 1.2 KCTD set up

### 1.2.1 What it is, What it does, Where it is, Who it targets, Which are the connected Research Centers?

#### What is the KCTD

KCTD is both a physical and virtual laboratory designed to offer knowledge about applied economic analysis and data science. It provides opportunities for master's and doctoral students, researchers, and stakeholders to engage with experts in the field. The KCTD offers specific expertise as domain specialists, with skills in analyzing economic, environmental, territorial, social data, along with methodological expertise in data analytics and statistics.

#### What the KCTD does

The main activities of the KCTD include:

- **Data collection and aggregation:** the study and analysis of data sources from academic and public institutions, open data sources, web scraping, private sources, GIS data, satellite data, lidar, international organizations, covering populations, econometric data, environmental data, infrastructure, transportation,

urban and social development, etc. important to address WP1-WP2-WP3 (Spoke 7) research lines.

- **Data management and storage:** the KCTD provides systems and infrastructure for managing and storing territorial data, including the creation of databases, the design of user interfaces for data access, and the provision of data analysis tools. Specific hardware has been bought to allow data storage, share databases with all Spoke 7 partners and remotely make time-consuming empirical analyses.
- **Empirical analysis:** KCTD provides valuable tools, theories, methodologies, and specific knowledge for research centers, local authorities, and public transportation agencies, among other stakeholders, to measure, analyze, and assess various territorial topics of Spoke 7's interest.
- **Scientific and cultural dissemination:** organizing (online and in presence) events, conferences, courses, and workshops open to students, PhD candidates, and stakeholders to spread scientific knowledge and encourage dialogue.
- **Partnerships and collaborations:** the KCTD promotes collaboration with other organizations, research institutes, and local authorities within and outside the EU to play a significant role in territorial economic analysis. Specific projects and agreements will be established between UNIBA and other research groups worldwide focusing on territorial analysis, sustainability, microdata, and policy analysis.

### Where KCTD is located

The KCTD physical lab is located on the third floor of the Department of Economics, Management and Business Law, University of Bari Aldo Moro, Bari, Italy. The physical lab has hardware for data storage and sharing, software for data analysis and data acquisition, and equipment for classes and meetings (in presence and online). Additional hardware and software will be bought in the following months according to Spoke 7's deliverables deadlines. The lab also allows virtual meetings and classes to favor the partner's involvement.

### Who are the stakeholders of the KCTD

KCTD is a multifunctional resource that supports many stakeholders by providing the tools, data, methodologies, and knowledge needed to tackle territorial challenges and promote sustainable development. In particular:

- For **GRINS researchers**, KCTD is a valuable platform to explore new territorial data analysis approaches and engage with academic experts on advanced tools and methodologies for research.

- For the **GRINS faculty staff** (critical mass), the KCTD is a platform for sharing knowledge and exchanging ideas about the latest approaches, available data, and useful methodologies for analysis.
- **Public and private stakeholders**, KCTD resources, and initiatives are available to local policymakers and communities to make informed, tailored decisions and support data-driven policies. Specific knowledge on policy evaluations is made available and specific case-studies are carried out in cooperation with local stakeholders.
- **Companies, public and private, can benefit from** KCTD as it provides a valuable resource for developing new techniques and applications designed for their specific requests on the topics of territorial sustainability, attractiveness and resilience. These companies can collaborate with researchers and other experts to create innovative solutions and increase the value of the collected data. The center allows them to access accurate territorial data and advanced tools to analyze them, improving operational efficiency and market competitiveness. **Companies** can use KCTD to optimize their operations. Through territorial data analysis, they can identify more efficient solutions, predict trends and enhance the services offered to the market and to the community.
- The KCTD offers **master's** and **doctoral students** the opportunity to access cutting-edge technologies and methodologies and a vast collection of territorial data. PhD students can use these resources to conduct in-depth and innovative research, developing specialized skills. They can also use the latest hardware and software needed for the analysis.

## 1.2.2 Future Prospects and Additional Activities at KCTD

The Knowledge Center for Territorial Data has the potential to develop various additional activities that can expand its role as a center of excellence in territorial data analysis. This future prospect can help strengthen KCTD's reputation and promote innovation in territorial data and economics, creating value for the community and the business sector.

**Knowledge café:** Knowledge Cafés are informal conversations featuring highlights of the Spoke 7 knowledge and bring together experts, practitioners, and the general public, following the example of the World Bank experience<sup>1</sup>

**Summer School and short courses:** One of the most promising prospects is establishing a summer school, which could offer advanced training courses for professionals, doctoral students, and young researchers interested in territorial data analysis. This event would allow participants to acquire practical skills and network with industry experts.

**Platform of publications on Territorial sustainability:** KCTD will be also a platform of the Spoke 7 publications on territorial sustainability. This is a crucial tool for collecting and disseminating knowledge that significantly contributes to the sustainable development of communities and territories. This collection includes scientific articles, research, case studies, reports, summaries, and other materials offering insights into various policy aspects. This platform provides researchers, professionals, administrators, and citizens access to information to guide decisions and policies promoting balanced and environmentally respectful development.

**Data gathering facility:** KCTD is and will be a data gathering platform, including data from different sources (scraping, data integration, lidar, etc.). Additionally, a server will be implemented to facilitate database collection and storage, allowing users remote access and statistical analyses for spoke 7 members. This infrastructure will ensure that data is efficiently collected, processed, and made accessible to various stakeholders.

**Collaborations with Universities and Research Institutes:** The KCTD could develop partnerships with universities and research institutes, creating a broader network for knowledge exchange and collaboration on research projects. These collaborations could lead to joint programs, conferences, and shared publications.

**Workshops and Seminars:** Organizing workshops and seminars on specific topics related to territorial data can help engage a wider audience and promote knowledge transfer. These events could cover a range of subjects, from using innovative techniques like machine learning to discussing current issues like sustainability and urban mobility.

**Living Lab:** the KCTD could create Living Labs, experimental spaces where researchers can test innovative solutions in real-world environments and involve the local community in the development process. These labs can be used to experiment with new technologies and territorial development strategies.

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<sup>1</sup> <https://www.worldbank.org/en/who-we-are/knowledgecafe>.

**Spin-offs:** The center could encourage the creation of spin-offs, emerging companies born from research and innovation projects. This can foster entrepreneurship and create new business opportunities related to territorial data and innovative technologies.

**Database, Magazine and Newspaper Subscriptions:** Setting up subscriptions to specialized databases and economics magazines and newspapers, such as *Il Sole 24 Ore*, *The Economist*, *Ferpress*, etc. can give the KCTD members access to updated resources on economic, financial, and territorial development topics, supporting informed research and a better understanding of current trends.

### 1.2.3 Partnerships and collaborations

#### University Coordinator

The University of Bari Aldo Moro is one of the leading academic institutions in southern Italy, renowned for its commitment to research and innovation. The university offers a wide range of undergraduate and postgraduate courses in various disciplines, including science, economics, law, medicine, and humanities. Scientific research at the University of Bari is of fundamental importance, with numerous research centers and international collaborations that contribute to the development of new knowledge and technologies. The university is distinguished by its dynamic academic environment, which promotes critical thinking and creativity. Located in the heart of the city of Bari, the university significantly contributes to the cultural and social life of the region, training new professionals ready to lead change.



#### Partner



BOKU is recognized as one of Europe's leading universities in Life Sciences, known for its comprehensive approach to both research and education. The university's scientists, students, and alumni focus on developing solutions to pressing social issues and work towards a sustainable future.

The institution's journey began in 1872, when the University of Natural Resources and Life Sciences (BOKU) was founded as a small agricultural university under the name "k. k. Hochschule für Bodencultur." Today, the three BOKU campuses—Türkenschanze, Muthgasse, and Tulln — provide 15 departments and over 11,000 students with excellent facilities for learning, teaching, and research.

The Social and Economic Geography course at Ghent University explores the distribution of humans across the Earth's surface, the evolution of the global population, and demographic transitions. It delves into the use of the physical environment by humans, considering the development of agriculture, mining, industry, transportation, and energy production, as well as the different types of societies in relation to these uses.



Territorial organization is examined through political, economic, and cultural lenses, taking into account communities, villages, and cities, along with major global issues. The course's practical labs teach students to work with maps and interpret them to recognize regional structures resulting from socioeconomic differentiation, promoting an understanding of vertical and horizontal thinking.



**L-Università  
ta' Malta**

The Institute for Climate Change and Sustainable Development (ICCS) was established to foster social sustainability and to conduct interdisciplinary research in the fields of sustainable development and climate

change, including both mitigation and adaptation strategies.

The Institute specializes in utilizing telemetry, IT tools, intelligent systems, and modelling for purposes such as monitoring, research, decision support, and strategic planning. It seeks to disseminate knowledge and promote awareness of sustainable development and climate change initiatives to businesses and organizations through means like cleaner technologies. The overarching goal is to create initiatives and carry out research that improve Malta's quality of life.

Erasmus University Rotterdam (EUR) is a research university located in Rotterdam, the Netherlands, founded in 1913. It is renowned for its academic excellence and innovative research programs, especially in the fields of economics, business, law, and social sciences. EUR hosts world-class research centers such as the Rotterdam School of Management (RSM) and the Erasmus Medical Center. Among the university's leading research areas are also transport and mobility, crucial topics for a port city like Rotterdam. The university conducts advanced studies on logistics, infrastructure, and sustainable transport through its Smart Port Research Centre and other interdisciplinary initiatives. The international orientation and numerous partnerships with global institutions further enhance the educational and research offerings, making EUR a center of excellence in these sectors as well.



**SAPIENZA**  
UNIVERSITÀ DI ROMA

The University of La Sapienza in Rome boasts a prestigious reputation in economic and econometric research, hosting several renowned research centers dedicated to advancing knowledge in these fields. La Sapienza provides a thorough analysis of the methodologies and tools used to evaluate the effectiveness of public policies. Through a combination of theory and practice, students develop fundamental skills in designing and implementing policy evaluations, examining the economic, social, and environmental impacts of policy decisions. Through interdisciplinary collaboration and cutting-edge methodologies, Sapienza researchers tackle crucial economic challenges and contribute to political debates at both national and international levels. The university's commitment to excellence in economic research is evident in its extensive scientific output, with faculty regularly publishing in high-level journals and participating in influential research projects. Additionally, the vibrant academic community at Sapienza fosters innovation and intellectual exchange, making it a center of excellence for scholarly inquiry in economics and econometrics.

The Toulouse School of Economics (TSE) is one of Europe's leading academic institutions for the study of economics. Founded in 2007 as part of the Université Toulouse 1 Capitole in France, TSE is renowned for the quality of its research and teaching programs. The institute is distinguished



by its rigorous and quantitative approach to economic sciences, covering areas such as game theory, public economics, industrial organization, and finance. TSE hosts an internationally acclaimed faculty, including several Nobel Prize winners in Economics, and attracts students from around the world with its high-quality undergraduate, master's, and doctoral programs. Additionally, the school collaborates closely with public

and private institutions, providing economic analyses and policy advice that influence decisions on a global scale. Its strategic location in Toulouse, a major industrial and technological hub, facilitates synergy between academia and industry, further enriching the research and career opportunities for its students and researchers.



## Università Ca' Foscari Venezia

Founded in 1868, the University of Venice, commonly known as Ca' Foscari University of Venice, is renowned for its rich history and academic tradition. Situated in one of Italy's most culturally vibrant cities, the university offers a unique blend of heritage and innovation. It is recognized for its excellence in humanities, social sciences, economics, and languages, attracting students and scholars from around the world. With its picturesque campus and strategic location in the heart of Venice, the university provides an inspiring setting for intellectual exploration and cultural immersion. Committed to fostering academic excellence and research, it collaborates with international institutions and industry partners, driving innovation and societal impact. The University of Venice continues to uphold its legacy of academic rigor and cultural significance, contributing to the advancement of knowledge and the enrichment of global academia.

The University of Warwick is renowned for its academic excellence and international reputation. Founded in 1965, it quickly became one of the leading research institutions in the country and worldwide. Warwick offers a wide range of undergraduate and postgraduate courses in various disciplines, from science and engineering to humanities and social sciences. Its vibrant student and academic community creates a stimulating and inclusive environment for personal and professional development. In addition to cutting-edge research, the University is known for its strong connection to the industrial sector, promoting entrepreneurship and innovation.



## 1.2.4 Biographies

### Principal Investigator and Spoke 7 leader.



**Bergantino Angela Stefania** is Full Professor of Applied Economics, Director of the PhD in Economics and Management and Scientific Director of the Applied Economics Laboratory of the Department of Economics, Management and Business Law at the University of Bari.

She has experience as a Highly Qualified Expert for the Ministry of Infrastructure and Transport (STM) and for the Ministry of Economy and Finance (NARS). Since November 2023, she is an Expert Member of the Steering and Coordination Committee for PNRR Interventions - Puglia Region. She has also served as an expert for OECD, ITF and Unctad.

She was a Board member of ENAC (2016-2020), also a Board member and a member of the Sustainability Committee of ENAV SpA (2020-2023). She is currently President of the OIV (monocratic) of the Port System Authority of the Eastern Adriatic Sea and President of the OIV (monocratic) of the Port System Authority of the Eastern Ligurian Sea. She was President of the Evaluation Unit-OIV of the University of Padua (2016-2022) and since 2020 she has been a member of the Evaluation Unit-OIV of the University of Bologna.

She was President of SIET - Italian Society of Transport and Logistics Economics (2016-2022) and President of CONVUI - National Council of Evaluation Units - OIV of Italian Universities (2015- 2022). She coordinates important scientific projects at national and European level, and she is the Scientific Coordinator of the PNRR-PE9 GRINS for the University of Bari (Spoke 7-Territorial Sustainability). She is the author of over 150 publications, many of which published in main international sector journals.

## KCTD Experts (Alphabetical order)



**Marika Arena**, is a Full Professor of Accounting, Finance, and Control at Politecnico di Milano. She is the Director of the Master of Science in Management Engineering and is a member of the Board of the Ph.D. program in Management Engineering. She has published over 100 articles in national and international journals, conference proceedings, and book chapters. She earned a Ph.D. in Management Economics and Industrial Engineering and a Master of Science in Management Engineering, both from Politecnico di Milano. In addition to her role as the Director of the MSc in Management Engineering program, she is also an editor of the International Journal of Auditing. Her recent research focuses on how the waste management sector can contribute to overcoming barriers to the circular economy, value creation in innovation ecosystems, monitoring rare categories in sentiment and opinion analysis during large events, manifold conceptions of internal auditing of risk culture in the financial sector, and shared value creation during site decommissioning in the energy sector. She is WP1 co-coordinator in Spoke 7.



**Maria Attard** is Professor of Geography, Head of the Department of Geography and Director of the Institute for Climate Change and Sustainable Development at the University of Malta. She is also co-chair of NECTAR (Network on European Communications and Transport Activities Research) Cluster 2 and member of Steering Committee of the World Conference on Transport Research (WCTR). She has several publications in renowned international journals on transport planning and policy, and GIS education. She is co-editor of the journal Research in Transportation Business & Management, associate editor of the journal Case studies on Transport policy and co-editor of the Emerald Book Series on Transport and Sustainability. She was professor of the Seminar “Sustainable and sharing mobility services. Case studies and application in Malta”.



**Alessandro Buongiorno**, PhD in Economics and Management, is a researcher of the GRInS Project (Growing Resilient, Inclusive and Sustainable) at the Department of Economics, Management and Business Law, University of Bari "Aldo Moro".

He is an expert in Destination management and he has long experience as Director of a local development agency and Program/Project manager of several European, national and regional projects concerning tourist-cultural development, mobility and environmental sustainability. He was President of a Consortium of companies for the development of the rural tourist incoming network and furthermore, he was CEO of a tourism technology and services company.

He was the responsible of the course "Progettare lo sviluppo turistico sostenibile" and "Economia comportamentale".



**Christian Bontemps**, a Professor of Economics at the Toulouse School of Economics and Ecole Nationale Aviation Civile, specializes in Econometrics and structural microeconometrics. His research encompasses various topics in economics, with a focus on air transportation, tourism, and housing markets. He has authored numerous publications in prestigious journals such as *Econometrica*, *Journal of Econometrics*, and *International Economic Review*, demonstrating his expertise in the field. Beyond academia, Professor Bontemps has held various professional roles, including organizing conferences and serving as an editor for esteemed journals. With extensive teaching experience and a strong research background, he continues to contribute significantly to the field of economics through his work, collaborations, and leadership roles within the academic community. He was professor of the Econometrics course.



**Nicola Camatti** is an Assistant professor in Applied Economics at Ca' Foscari University of Venice. He obtained his Master of Science (MSc) and Doctor of Philosophy (PhD) degrees in Economics from Ca' Foscari University of Venice. An expert in regional and urban development, sustainable tourism, food systems, and circular economy, he currently serves as a member of various academic committees and as a coordinator of academic activities at Ca' Foscari University of Venice. His research focuses on the role of cities, tourism destinations, and urban areas in the sustainable and digital solutions for managing smart cities. He has led and participated in numerous international research projects, including H2020 and EUProject initiatives. Additionally, he has extensive experience teaching university courses in tourism economics, tourism information systems, and innovation and development economics. He was professor of course "Progettare lo sviluppo turistico sostenibile".



**Matteo Colleoni** is an Italian sociologist. He graduated with honors in Political Science from the University of Milan in 1994 and earned a PhD in Sociology and Social Research from the University of Trento in 2003. He also Quality of Life and Sustainable Mobility from the Politecnico di Milano.

Since 2019, Colleoni has been a Full Professor of Environmental and Territorial Sociology at the University of Milano-Bicocca, where he also coordinates the Center for Mobility, Tourism, and Territory Studies (CEMTET). His research focuses on urban mobility, sustainable development, and social equity. He has been involved in various national and international research projects, including the Erasmus+ program and the Interreg Alpine Space project. Colleoni is also a member of several professional associations and advisory boards, contributing to sustainable mobility policies and urban planning. He was professor of the course "Strumenti di programmazione urbana".



**Augusto Cerqua**, Since 2022, he has been an Assistant Professor (RTD-B) of Economic Statistics at the Department of Social Sciences and Economics, Sapienza University of Rome, where he previously served as an Assistant Professor (RTD-A) from 2018 to 2022. Before this, he was a Senior Research Fellow and Research Fellow at the Westminster Business School, University of Westminster.

He earned a Ph.D. in Economic Statistics from Sapienza University of Rome, with a dissertation on capital subsidy policies, and was a Visiting PhD Student at University College London. He holds a Master's degree in Statistics, graduated with honors from Sapienza University of Rome.

His research interests include regional and industrial policy, political economy, applied econometrics, education, and labor economics. He has published numerous articles in both international and Italian journals. He was professor of course "Progettare lo sviluppo turistico sostenibile".



**Mario Intini** is a Tenure-Track Assistant Professor (RTDB) of Applied Economics at the Department of Economics, Management and Business Law, University of Bari “Aldo Moro” (2023- ). In 2023 he obtained the National Scientific Qualification for Full Professor in Applied Economics (in 2023 as Associate Professor in Political Economy and in 2021 as Associate Professor in Applied Economics). His research interests relate to Industrial Organization, Energy economics, Tourism economics, and Transport Economics. He was an MIT Visiting Assistant Professor - SUL & CRE centers - (2023 and 2024), and he was Visiting Research Fellow at the Department of Economics, Toulouse School of Economics (2023 and 2024), Visiting Research Fellow at the Department of Applied Economics, Autonomous University of Barcelona (2023), Visiting Research Fellow at the CAGE-Department of Economics-, University of Warwick, UK (2022), Visiting Research Fellow at the Department of Economics, University of Warwick, UK (2019) and Visiting Research Scholar at the Department of Applied Economics, Autonomous University of Barcelona, Spain (2016-2017). He was responsible of the course “Analisi e Valutazione delle politiche pubbliche territoriali”.



**Elena Maggi** is a Full Professor of Applied Economics in the Department of Economics at the University of Insubria. She is the Rector's Delegate for Sustainable Development, playing a key role in promoting environmental policies within the university. Additionally, she has various roles related to research and teaching, such as coordinating the research group on Transport, Regulation, and Sustainable Development. Her experience includes participation in international and national projects, actively contributing to scientific production in the fields of transport economics, logistics, and sustainable development. Prof. Maggi is also involved in multiple academic activities at both national and international levels, underscoring her commitment to promoting research and collaboration in the sector. She was professor of the course “Strumenti di programmazione urbana”.



**Sauro Mocetti** obtained his degree from the University of Siena in 2002, followed by a Master of Sciences (MSc) in Economics from Universitat Pompeu Fabra (Barcelona) in 2004 and a PhD in Economics from the University of Bologna in 2006. With extensive academic and professional experience, Mocetti has served as an economic advisor to the Ministry of sustainable infrastructures and mobility in 2021-2022 and conducted research as head of the Law and Economics Division at the Economics, Statistics and Research Department of the Bank of Italy. His main areas of interest include applied, labor, public, and urban economics, as well as corporate governance and law and economics. Mocetti has also received recognition for his academic contributions, including the "Ezio Tarantelli" award from the Italian Association of Labor Economics (AIEL) in 2009 and the title of Cavaliere della Repubblica Italiana in 2022. His publications have gained international recognition, appearing in prestigious academic journals such as the American Economic Review and the Review of Economic Studies. He was professor of the course "Analisi e Valutazione delle politiche pubbliche territoriali".



**Guido Pellegrini** is Full Professor of Economic Statistics and Statistical Methods for Policy Evaluation at the Department of Social and Economic Sciences of Sapienza, University of Rome. He was President of the Italian Association of Regional Sciences (AISRe) in the three-year period 2017-2019 and President of the Statistical Information Guarantee Commission, and is currently on the Board of Directors of Svimez and on the Scientific Council of the Bruno Kessler Foundation and the D'Addario Foundation. Previously he worked as economist at the Research Department of the Bank of Italy.

He is an expert in the evaluation of programs and projects co-financed by European Funds or National and Regional Funds for the implementation and promotion of complex economic development programs. He has scientifically directed and coordinated the evaluation of numerous programs and projects concerning economic and social interventions of European, national and regional policies, in Italy and abroad. He has published over 150 papers in national and international journals on the evaluation of development and innovation policies, on interventions concerning incentives, credit and aid to enterprises, on the development of new enterprises and their survival, on economic growth and convergence between regions, on local development.

He was professor of the course “Analisi e Valutazione delle politiche pubbliche territoriali”.



**Francesco Scotti** is a GRINS researcher active in the field of economics and public policy, with a particular focus on socioeconomic dynamics and the impacts of government policies. His publications reflect a broad spectrum of interests, ranging from lockdown policies during the COVID-19 pandemic to the allocation of structural and cohesion funds in Europe. Dr. Scotti is involved in research projects that examine the economic resilience of Italian regions, as well as the evolution of online sentiments during the pandemic. His research contributes to the understanding of the complex interactions between economic, social, and epidemiological factors, providing valuable insights for the formulation of targeted public policies. He was professor of the course “Progettare lo sviluppo turistico sostenibile”.



**Ada Spiru** is Research Fellow (RTDA) in Political Economy of the Department of Economics, Management and Business Law at the University of Bari “Aldo Moro”. She was Visiting Research Fellow at the Department of Applied Economics, Autonomous University of Barcelona (2023). She received the “Best SIET Doctoral Thesis Award” for the best Ph.D. Thesis among young transport economists in 2022 by the Italian Society of Transport and Logistics Economics (SIET). She has collaborated in connectivity and Corridor VIII. was involved in scientific consultancy within Interreg IPA CBC ITA-ALB-MNE 2017-2020 programme on transport topics financed by EU. She has various qualifications in methods for policy and impact evaluation. Her scientific interests relate to Transport Economics, Regional Economics, Environmental Economics, Innovation and Tourism Economics. She was responsible of the course “Strumenti di programmazione urbana”.



**Yusak Susilo** is a prominent figure in the field of transportation and mobility, with a career spanning from teaching to research. Currently, he holds the position of BMK Endowed Professor in Digitalization and Automation in Transport and Mobility System at the University of Vienna. His research focuses on topics such as human-computer interaction, data science, and transport economics, with particular attention to user adaptation to new technologies. Susilo is a member of important academic committees and an organizer of scientific conferences in the field of transportation. His widely recognized publications range from traffic psychology to travel pattern analysis, offering significant contributions to the understanding and management of modern transportation systems.

He was invited for the seminar “Operationalising Equity Measurement based on Distributional Effects of Policy Interventions”.



**Albert Veenstra** is a Professor of Trade and Logistics at the Erasmus University Rotterdam in Netherland. He was the Scientific Director of the Topconsortium for Knowledge and Innovation of the Dutch Topsector Logistics – TKI Dinalog. He was involved as lead consultant and researcher at TNO - Sustainable Transport and Logistics, working in projects in Europe, Brazil and China. He has contributed to the World Bank Global Facilitation Program. He has published books and articles in the field of transport economics, supply chains, logistics and the design of transport networks.

He was invited for the seminar “ The assessment of the impact of transport flows for small trucks and vans in inner cities. The development of a new database in the case of Netherland”.



**Michael Waterson** is Emeritus Professor of Economics at the University of Warwick, UK. He has covered roles as President of European Association for Research in Industrial Economics- EARIE, member of Board to the UK Director General of Gas and Electricity Markets, General Editor of Journal of Industrial Economics and Chair of the Network of Industrial Economists. He is a member of the Competition Appeal Tribunal and has worked for the UK Competition Commission. He has published in American Economic Review and in many of the world’s top economics journals, including for the Office of Fair Trading. His research is focused on competition in energy supply and other regulated markets, market entry, customer behaviour, innovation and transport policy.

He was professor of the course “Empirical Analysis And Methodologies For Economic And Territorial Data” with a focus on Industrial Organizations techniques.

## 1.2.5 KCTD events

### Knowledge Center for Territorial Data (KCTD)

#### SPOKE 7 – Territorial Sustainability

Scientific coordinator: Angela Stefania Bergantino

Meetings with experts and dissemination activities open to Master's and PhD students and Industry stakeholders 2023/2024

#### EMPIRICAL ANALYSIS AND METHODOLOGIES FOR ECONOMIC AND TERRITORIAL DATA

**Michael Waterson, University of Warwick**

12th October 2023 - h 10:00 - 13:00

13th October 2023 - h 10:00 - 13:00

16th October 2023 - h 10:00 - 13:00

17th October 2023 - h 10:00 - 13:00

18th October 2023 - h 13:00 - 15:00

Room: Aula Cassandro, 3rd floor  
Department of Economics, Management and Business Law  
University of Bari Aldo Moro

Local organising committee: Alessandro Buongiorno, Giulio Fusco

## Knowledge Center for Territorial Data (KCTD) SPOKE 7 – Territorial Sustainability

Scientific coordinator: *Angela Stefania Bergantino*

Meetings with experts and dissemination activities open to Master's and PhD students and Industry stakeholders 2023/2024

30<sup>th</sup> October 2023 - h 11.00 - 13.00

### Mobilità e sviluppo turistico sostenibile. Una prospettiva economica

*Alessandro Buongiorno, researcher of Università di Bari*

Room: *Aula Cassandro, 3rd floor*  
Department of Economics, Management and Business Law  
University of Bari Aldo Moro

Local organising committee: *Giulio Fusco*

## Knowledge Center for Territorial Data (KCTD) SPOKE 7 – Territorial Sustainability

Scientific coordinator: *Angela Stefania Bergantino*

Meetings with experts and dissemination activities open to Master's and PhD students and Industry stakeholders 2023/2024

7<sup>th</sup> November 2023 – h 9:00 – 11:00

**The assessment of the impact of transport flows for small trucks and vans in inner cities. The development of a new database in the case of Netherland**

*Albert Veenstra, professor of Trade and Logistics, Rotterdam School of Management (RSM)*

**Sustainable and sharing mobility services. Case studies and application in Malta**

*Maria Attard, Director of Institute for Climate Change and Sustainable Development, University of Malta*

Room: *Aula Cassandra, 3rd floor*  
Department of Economics, Management and Business Law  
University of Bari Aldo Moro

Local organising committee: *Alessandro Buongiorno, Giulio Fusco*

## Knowledge Center for Territorial Data (KCTD) SPOKE 7 – Territorial Sustainability

Scientific coordinator: Angela Stefania Bergantino

Meetings with experts and dissemination activities open to Master's and PhD students and Industry stakeholders 2023/2024

7<sup>th</sup> November 2023

### Operationalising Equity Measurement based on Distributional Effects of Policy Interventions

*Susilo Yusak, Professor in Digitalisation and Automation in Transport and Mobility System  
University of Natural Resources and Life Sciences, Vienna  
Austria*

### Empirical analysis and methodologies for Economic and territorial Data

*Frank Witlox, Professor of Economic Geography at the Department of Geography of Ghent – University (Ugent)*

*Room: Aula Cassandra, 3rd floor  
Department of Economics, Management and Business Law  
University of Bari Aldo Moro*

*Local organising committee: Alessandro Buongiorno, Giulio Fusco*

## Knowledge Center for Territorial Data (KCTD) SPOKE 7 – Territorial Sustainability

Scientific coordinator: Angela Stefania Bergantino

Meetings with experts and dissemination activities open to Master's and PhD students and Industry stakeholders 2023/2024

**Lunedì 4 dicembre 2023**

Aula De Trizio, Centro Polifunzionale Studenti, Università degli Studi di Bari Aldo Moro,  
Piazza Cesare Battisti, 1 – Bari

**ore 16.15**

**Ennio Cascetta - Lectio Magistralis**

***La settimana rivoluzione dei trasporti e la sfida della sostenibilità***

Ennio Cascetta è Professore ordinario di Infrastrutture e sistemi di trasporto, estimo e valutazione, Universitas Mercatorum

**ore 17.30**

**Presentazione del libro *Diario di un viaggio nei trasporti e non solo. Progetti, politiche e protagonisti*, di Ennio Cascetta**

*ne discutono con l'Autore:*

**Antonio Decaro**, Sindaco di Bari

**Giuseppe Catalano**, Capo di Gabinetto del Presidente della Regione Puglia

**Michele Ottomanelli**, Docente di Tecnica ed Economia dei Trasporti, Politecnico di Bari

**Gianfranco Viesti**, Docente di Economia industriale e regionale e di Politiche economiche europee, Università degli Studi di Bari

**Angela Stefania Bergantino**, Docente di Economia dei trasporti e della mobilità sostenibile e di Economia industriale, Università degli Studi di Bari

*porta i saluti:*

**Stefano Bronzini**, Rettore, Università degli Studi di Bari Aldo Moro

*coordina:*

**Angela Stefania Bergantino**



## Knowledge Center for Territorial Data (KCTD) SPOKE 7 – Territorial Sustainability

Scientific coordinator: Angela Stefania Bergantino

Meetings with experts and dissemination activities open to Master's and PhD students and Industry stakeholders 2023/2024

### Data analysis for territorial sustainability: introductory course

**Giulio Fusco, researcher, University of Bari**

- December 18th: 10 AM - 12 PM (2 hours)
- December 19th: 10 AM - 1 PM (3 hours)
- December 20th: 10 AM - 1 PM (3 hours)
- January 8th: - Exercise on R, variable generation, plots, and general commands, and simple regression.
- January 9th: - Exercise on R, linear and multiple regression and mention of panel data.

Room: Aula Cassandro, 3rd floor  
Department of Economics, Management and Business Law  
University of Bari Aldo Moro

Local organising committee: Alessandro Buongiorno

## Knowledge Center for Territorial Data (KCTD) SPOKE 7 – Territorial Sustainability

Scientific coordinator: Angela Stefania Bergantino

Meetings with experts and dissemination activities open to Master's and PhD students and Industry stakeholders 2023/2024

**Christian Bontemps, professor of ENAC & Toulouse School of Economics**

Monday 5 february, 15:00 - 18:00  
Room Cassandra, 3th floor

Tuesday 6 february, 10:00 - 13:00  
Aula 3 DEMDI, 4th floor

Wednesday 7 february, 10:00 - 13:00  
Room Cassandra, 3th floor

Thursday 8 february, 10:00 - 13:00  
Aula 3 DEMDI, 4th floor

Friday 9 february, 10:00 - 13:00  
Room Cassandra, 3th floor

Room: Aula Cassandra, 3rd floor  
Department of Economics, Management and Business Law  
University of Bari Aldo Moro

Local organising committee: Alessandro Buongiorno, Giulio Fusco

# LABORATORIO DI PIANIFICAZIONE ECONOMICO-TERRITORIALE “PROGETTARE LO SVILUPPO TURISTICO SOSTENIBILE”

## Seminario di approfondimento su

*Trasformazioni in atto del turismo  
e performance delle destinazioni turistiche*

Introduce

**Prof. Angela Stefania Bergantino**

Coordina

**Prof. Alessandro Buongiorno**

*“Niente sarà più come prima”. Il turismo globale dopo la pandemia*

**Prof. Andrea Zannini**

Storia del turismo • Università di Udine



*Monitorare le performance e mitigare gli impatti nelle “Smart Destinations”*

**Prof. Nicola Camatti**

Economia dei sistemi turistici • Università Ca' Foscari di Venezia

Martedì, 6 maggio 2024, ore 13:30

Polo di Economia • 3° piano, Aula “Paolo Emilio Cassandro” • Aula virtuale Teams: **mcgv0vd**



## Workshop on Knowledge Center for Territorial Data

May 30th and 31st 2024, 8.30 am

Cassandro room, 3rd floor – Department of Economics, Management and Business Law,  
University of Bari Aldo Moro, Largo Abbazia Santa Scolastica 53, BARI

May 30 <sup>th</sup>	May 31 <sup>st</sup>
8:30-9:00 Registration	9:30 - 10:30
9:00-9:30	Technical-Scientific Board Meeting A. S. Bergantino with M. Arena, S. Galavotti, R. Paci
Introduction Knowledge Center for Territorial Data and WP1 Delivery related activities M. Arena e A.S. Bergantino	10:30-11:30
9:30-11:00	The impact of regional development policies on the performance of tourism firms M. Arena, A. S. Bergantino, A. Buongiorno, M. Fortunato, M. Intini, F. Scotti
Territorial Sustainability Dashboard G. Bonaccorsi	12:00 - 13:00
A set of multidimensional indicators to assess the resilience and attractiveness of Italian provinces and municipalities in the period 2010-2022 E. Amaddeo, M. Arena, A. S. Bergantino, G. Bonaccorsi, A. Buongiorno, A. Clemente, A. Flori, M. Intini, F. Scotti, V. M. Urbano, M. Vitagliano	Gap Filling Analysis for balanced territorial data (on line session) Organized by F.Ieva. Partecipate: A. Abbasciano, E. Amaddeo, M. Arena, A. S. Bergantino, G. Bonaccorsi, A. Buongiorno, A. Clemente, A. Flori, G. Fusco, A. Gardelli, A. Gilardi, M. Greco, M. Intini, L. M. Sangalli, F. Scotti
11:15-13:00	14:30 - 16:30
Cohesion Policy Impact on Tourism in Italy: a municipality-level assessment M. Arena, A. S. Bergantino, A. Buongiorno, M. G. Cito, M. Intini, F. Scotti	WP1 Deliverables (M18 - M24) and activities, papers discussion and follow-up
14:30 - 16:00	16:30-17:30
Assessing allocation of EU Cohesion Funds across territories: an empirical analysis of Italian municipalities E. Amaddeo, M. Arena, A. S. Bergantino, G. Bonaccorsi, A. Clemente, V. M. Urbano	Opening of the Knowledge Center for Territorial Data Meeting with Stakeholders
16:30 - 18:30 – parallel sessions	
WP1 Deliverables and activities: Technical-Scientific Coordination WP1 M. Arena e A.S. Bergantino <ul style="list-style-type: none"> <li>• Deliverables and Targets</li> <li>• Linkages with WP2 and WP3</li> <li>• Ongoing and future research activities</li> </ul>	
WP1 Research groups brainstorming activities Spoke 7 researchers <ul style="list-style-type: none"> <li>• Dashboard technicalities</li> <li>• Deliverables</li> <li>• Dissemination activity</li> <li>• Preparation of materials for the dissemination activity with local stakeholders on the 31th</li> </ul>	

*Participation in the workshop is free; for organizational reasons, please contact us via email: [grins\\_spoke7.demdi@uniba.it](mailto:grins_spoke7.demdi@uniba.it).*

# LABORATORIO DI PIANIFICAZIONE ECONOMICO-TERRITORIALE “PROGETTARE LO SVILUPPO TURISTICO SOSTENIBILE”

## Seminario di approfondimento su

*Attrattività sostenibile come base  
per un'offerta turistica competitiva*

Introduce

**Prof. Angela Stefania Bergantino**

Coordina

**Prof. Alessandro Buongiorno**

*“Eco-label turistiche e competitività delle destinazioni”*

**Prof. Augusto Cerqua**

Statistica economica • Università Sapienza di Roma

Martedì, 4 giugno 2024, ore 15:00

Polo di Economia • 3° piano, Aula “Paolo Emilio Cassandro” • Aula virtuale Teams: **mcgv0vd**



COMPETENZE  
TRASVERSALI  
A.A. 2023 - 2024



GRINS DEMDI

Dipartimento di Economia  
Sviluppamenti e  
Diritto dell'Impresa

# LABORATORIO DI ECONOMIA COMPORIMENTALE E DELLE SCELTE

'Laboratorio per Dottorandi'

Periodo di svolgimento delle attività formative:

01.04.2024 - 30.06.2024

Durata dell'attività 48 ore (6 CFU)

Modalità di svolgimento: In presenza e online



**ISCRIZIONI**  
entro 15 aprile 2024



Per maggiori  
informazioni  
scansiona il  
QR code

E' possibile **calcolare il valore di un prodotto o un servizio** che ancora non esiste?

Si puo' sapere **quanto vale** un paesaggio, un bene storico-culturale, un collegamento ferroviario o un nuovo servizio turistico?

Il laboratorio fornisce le basi teoriche e applicative per farlo attraverso la **costruzione di scenari di scelta** (survey) e l'**analisi dei dati** con software statistici.



Docente responsabile:

**Angela Stefania Bergantino**  
angelastefania.bergantino@uniba.it



UNIVERSITÀ  
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DI BARI  
ALDO Moro

COMPETENZE  
TRASVERSALI  
A.A. 2023 - 2024



GRINS

DEMDI

Dipartimento di Economia  
Management &  
Unità del Territorio

# LABORATORIO DI ANALISI E VALUTAZIONE DELLE POLITICHE PUBBLICHE TERRITORIALI

'Laboratorio per Dottorandi'

Periodo di svolgimento delle attività formative:

01.03.2024 - 31.05.2024

Durata dell'attività 48 ore (6 CFU)

Modalità di svolgimento: In presenza e online

Le politiche pubbliche influenzano le scelte dei consumatori. Si può **valutare** se gli obiettivi di queste misure vengono **effettivamente raggiunti**?

Il laboratorio fornisce **le basi teoriche e applicative** per la valutazione delle politiche pubbliche in vari ambiti e settori con riferimento all'**impatto su cittadini, imprese, altre organizzazioni pubbliche e private**.

Sono previste esercitazioni e casi di studio.



**ISCRIZIONI**  
entro 15 marzo 2024



Per maggiori informazioni  
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QR code



Docente responsabile:

**MARIO INTINI**  
mario.intini@uniba.it

# LABORATORIO DI PIANIFICAZIONE ECONOMICO-TERRITORIALE “PROGETTARE LO SVILUPPO TURISTICO SOSTENIBILE”

‘Laboratorio per Studenti e Soggetti esterni’

Periodo di svolgimento delle attività formative:

01.03.2024 - 30.06.2024

Durata dell'attività 48 ore (6 CFU)

Modalità di svolgimento: In presenza e online



**ISCRIZIONI**

entro 8 marzo 2024



Per maggiori  
informazioni  
scansiona il  
QR code

Il **turismo** è considerato spesso la soluzione ai problemi di **crescita territoriale** e di **sviluppo delle città**. **Quanto** si conosce però davvero il fenomeno turistico? **Cosa** bisogna fare per rendere l'impatto economico sui territori davvero **sostenibile**? **Quali** strategie imprenditoriali e politiche pubbliche servono?



Il laboratorio fornisce basi teoriche e applicative e strumenti di **analisi economico-territoriale** quali-quantitative del fenomeno turistico e degli attori principali.

Docenti responsabili:

Alessandro  
Buongiorno

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Angela Stefania  
Bergantino

angelastefania.bergantino@uniba.it



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Dipartimento di Economia  
Management e  
Diritto dell'impresa

# STRUMENTI DI PROGRAMMAZIONE URBANA

'Laboratorio per Studenti e Soggetti esterni'

Periodo di svolgimento delle attività formative:

**17.04.2024 - 30.06.2024**

Durata dell'attività **48 ore (6 CFU)**

Modalità di svolgimento: In presenza e online

Il corso fornisce elementi teorici e applicativi per la conoscenza e la comprensione dei temi inerenti alla **pianificazione urbana** e al **governo del territorio**, con particolare riferimento ai trasporti, alla mobilità dolce e alle politiche di decarbonizzazione delle città.

Si tratterà di politiche e strumenti per rendere le **città green, smart e inclusive**: in altre parole, città del futuro. Il corso approfondirà anche la figura del **mobility manager** per gestori pubblici e privati.



**ISCRIZIONI**

entro 15 aprile 2024



Per maggiori  
informazioni  
scansiona il  
**QR code**



Docenti responsabili:

**Ada Spiru**

ada.spiru@uniba.it

**Angela Stefania Bergantino**

angelastefania.bergantino@uniba.it

## 1.2.6 Album Activities



Photo 1- Yusak Susilo on 07th November 2023



Photo 2 - Frank Witlox on 07th november 2023



Photo 3 - Meeting with the Mayor of Bari



Photo 4 - Meeting with policy makers 04th December 2023



Photo 5 - Ennio Cascetta Lectio Magistralis on 04th December 2023



Photo 6 - Presentation "Diario di un viaggio nei trasporti e non solo. Progetti, politiche e protagonisti" on 4th December 2023



Photo 7 - Nicola Camatti, 7th May 2024



Photo 8 - Course on "Analisi e valutazione delle politiche pubbliche territoriali"



Photo 9 - Workshop Knowledge Center for Territorial data on 30th and 31st May 2024



Photo 10 - Augusto Cerqua on 04th June 2024



Photo 11 - Sauro Mocetti 6th June 2024

## BIBLIOGRAPHY

Abadie, A. (2021). Using synthetic controls: Feasibility, data requirements, and methodological aspects. *Journal of Economic Literature*, 59(2), 391-425.

Abadie, A., Diamond, A., & Hainmueller, J. (2015). Comparative politics and the synthetic control method. *American Journal of Political Science*, 59(2), 495-510.

Attard, M., (2020), Mobility justice in urban transport-the case of Malta, Transportation research procedia, 2020 – Elsevier

Barone, G., & Mocetti, S. (2014). Natural disasters, growth and institutions: a tale of two earthquakes. *Journal of Urban Economics*, 84, 52-66.

Bergantino, A. S., Intini, M., & Percoco, M. (2021). New car taxation and its unintended environmental consequences. *Transportation Research Part A: Policy and Practice*, 148, 36-48.

Bernini, C., & Pellegrini, G. (2013). Is subsidising tourism firms an effective use of public funds?. *Tourism Management*, 35, 156-167.

Bertoni, D., Curzi, D., Aletti, G., & Olper, A. (2020). Estimating the effects of agri-environmental measures using difference-in-difference coarsened exact matching. *Food Policy*, 90, 101790.

Bleemer, Z., & Mehta, A. (2022). Will studying economics make you rich? A regression discontinuity analysis of the returns to college major. *American Economic Journal: Applied Economics*, 14(2), 1-22.

Bontemps, C., Robin, J. M., & Van den Berg, G. J. (2000). Equilibrium search with continuous productivity dispersion: Theory and nonparametric estimation. *International Economic Review*, 41(2), 305-358.

Bontemps, C., Magnac, T., & Maurin, E. (2012). Set identified linear models. *Econometrica*, 80(3), 1129-1155.

Bontemps, C., & Meddahi, N. (2012). Testing distributional assumptions: A GMM approach. *Journal of Applied Econometrics*, 27(6), 978-1012.

Bontemps, C., & Magnac, T. (2017). Set identification, moment restrictions, and inference. *Annual Review of Economics*, 9, 103-129.

Bontemps, C., & Magnac, T. (2017). Set identification, moment restrictions, and inference. *Annual Review of Economics*, 9, 103-129.

Bontemps, C. (2019). Moment-based tests under parameter uncertainty. *Review of Economics and Statistics*, 101(1), 146-159.

Brandano, M. G., & Crociata, A. (2023). Cohesion Policy, tourism and culture in Italy: a regional policy evaluation. *Regional Studies*, 57(4), 763-779.

Bruce E. Hansen, *Econometrics* (2022), *Princeton University Press*

Card, D., & Krueger, A. B. (1995). Time-series minimum-wage studies: a meta-analysis. *The American Economic Review*, 85(2), 238-243.

Cerqua, A., Letta, M., & Menchetti, F. (2023). The Machine Learning Control Method for Counterfactual Forecasting. *arXiv preprint arXiv:2312.05858*.

Cerqua, A., Letta, M., & Menchetti, F. (2023). *Losing Control (Group)? The Machine Learning Control Method for Counterfactual Forecasting*. SSRN.

Cerqua, A., & Pellegrini, G. (2014). Do subsidies to private capital boost firms' growth? A multiple regression discontinuity design approach. *Journal of Public Economics*, 109, 114-126.

Crescenzi, R., Di Cataldo, M., & Giua, M. (2020). It's not about the money. EU funds, local opportunities, and Euroscepticism. *Regional Science and Urban Economics*, 84, 103556.

Dendir, S., Orlov, A. G., & Roufagalas, J. (2019). Do economics courses improve students' analytical skills? A Difference-in-Difference estimation. *Journal of Economic Behavior &*

Di Tella, R., & Schargrodsky, E. (2004). Do police reduce crime? Estimates using the allocation of police forces after a terrorist attack. *American Economic Review*, 94(1), 115-133.

Donald, S. G., & Lang, K. (2007). Inference with difference-in-differences and other panel data. *The review of Economics and Statistics*, 89(2), 221-233.

Gebel, M., & Voßemer, J. (2014). The impact of employment transitions on health in Germany. A difference-in-differences propensity score matching approach. *Social science & medicine*, *108*, 128-136.

Guzman, L. A., & Hessel, P. (2022). The effects of public transport subsidies for lower-income users on public transport use: A quasi-experimental study. *Transport Policy*, *126*, 215-224.

Havrylchyk, O., & Jurzyk, E. (2011). Inherited or earned? Performance of foreign banks in Central and Eastern Europe. *Journal of Banking & Finance*, *35*(5), 1291-1302.

Islam, M. Q. (2019). Local development effect of sports facilities and sports teams: Case studies using synthetic control method. *Journal of Sports Economics*, *20*(2), 242-260.

Jeffrey M. Wooldridge, Jeffrey M. Wooldridge, *Econometric Analysis of Cross Section and Panel Data*, second edition (Mit Press)

Joskow Paul L., and Waterson Michael (2004). *Empirical Industrial Organization*.

Lee, W. S. (2013). Propensity score matching and variations on the balancing test. *Empirical economics*, *44*, 47-80.

Mirenda, L., Mocetti, S., & Rizzica, L. (2022). The economic effects of mafia: Firm level evidence. *American Economic Review*, *112*(8), 2748-2773.

Oh, I., Lee, J. D., Heshmati, A., & Choi, G. G. (2009). Evaluation of credit guarantee policy using propensity score matching. *Small Business Economics*, *33*, 335-351.

Pellegrini, G., Terribile, F., Tarola, O., Muccigrosso, T., & Busillo, F. (2013). Measuring the effects of European Regional Policy on economic growth: A regression discontinuity approach. *Papers in Regional Science*, *92*(1), 217-234.

Rubensson, I., Susilo Y., Cats O., Fair accessibility – Operationalizing the distributional effects of policy interventions, 2020 – *Journal of Transport Geography*

Simar, L., & Wilson, P. W. (2000). Statistical inference in nonparametric frontier models: The state of the art. *Journal of productivity analysis*, *13*, 49-78.

Simar, L., & Wilson, P. W. (2000). A general methodology for bootstrapping in non-parametric frontier models. *Journal of applied statistics*, *27*(6), 779-802.

Smith, J. A., & Todd, P. E. (2001). Reconciling conflicting evidence on the performance of propensity-score matching methods. *American Economic Review*, 91(2), 112-118.

St. Clair, T., & Cook, T. D. (2015). Difference-in-differences methods in public finance. *National Tax Journal*, 68(2), 319-338.

Stoke and Watson, *Introduzione all'econometria*, V edition, Ediz. MyLab

Ünal, E., Keeley, A. R., Köse, N., Chapman, A., & Managi, S. (2024). The nexus between direct air capture technology and CO<sub>2</sub> emissions in the transport sector. *Applied Energy*, 363, 123112.

Waterson, M. (1992). *Handbook of Industrial Organization*, edited by R. Schmalensee and R. Willig, Amsterdam: North Holland, 1989, ISBN 0-444-704345 and 0-444-704353

Zeli, A. (2018). The impact of ACE on investment: the Italian case. *Economia Politica*, 35, 741-762.