Sustainable and technological transitions in a network society
We are clusters
Welcome to the Università degli Studi di Firenze!

The workshop was the first in a series of events that ignited a movement that started from 2018 in Florence and continued over the years in Padua, Valencia and is still in development. This initiatives permit to consolidate a community of scholars interested in the cluster/industrial districts research and meet yearly in the annual international event.

Launched by three universities of Florence, Padua and Valencia and by the PhD in Development Economics and Local System (DELOS), the “Rethinking Clusters” project has in fact progressively expanded to include a community of researchers from many institutions discussing a number of issues related to clusters, industrial districts and geographical agglomerations.

The present volume mainly deals with the new research agenda on clusters/industrial districts research according to eight main themes. These range from cluster life cycles, through creativity, innovation, networks, cluster policy, internationalization, sustainability, finally to cluster variety and relatedness.

GREETINGS FROM LOCAL ORGANIZERS

Luciana Lazzeretti
Full Professor in Economics and Management and founding director of the Post-graduate course in Economics and Management of Cultural Goods and Museums, University of Florence.
Coordinator of the Doctorate Program “Development Economics and Local Systems” (DELoS), University of Trento and Florence.

Francesco Capone
PhD, Associate Professor in Management at the Dept. of Economics and Management, University of Florence.
He is member of the Doctorate Programme “Developing Economics and Local Systems” (DELoS), University of Trento and Florence.

Annalisa Caloffi
Associate Professor at the Department of Economics and Management, University of Florence.
She held a PhD in Economics and management of firms and local systems at the University of Florence.
We seek thought-provoking submissions from scholars in the social and scientific sciences, who are forging ahead with innovation to shift towards digitization and sustainability. We want to discuss contributions that develop innovative approaches in concepts, theory, methods or analysis and have deep or broad implications to inform transitions for inclusive, innovative and reflective societies, and that use observational, experimental or theory-driven modes of inquiry, either at the micro- or meso-level unit of analysis for the better understanding of place-based innovation. We are territories, firms and place-based innovation!
Andrés Rodríguez-Pose  
London School of Economics, UK

Annalisa Caloffi  
University of Florence, Italy

Blanca De Miguel-Molina  
Universitat Politècnica de València, Spain

Carles Boronat-Moll  
Universitat Politècnica de València, Spain

Davide Parrilli  
Bournemouth University, UK

Dieter Kogler  
University College Dublin, Ireland

Ekaterina Turkina  
HEC, Montreal

Eleanora Di Maria  
University of Padova, Italy

Fiorenza Belussi  
University of Padova, Italy

Francesc Xavier Molina Morales  
Universitat Jaume I Castelló, Spain

Francesco Capone  
University of Florence, Italy

Francisca Sempere-Ripoll  
Universitat Politècnica de València, Spain

Gregorio Gonzalez Alcaide  
University of Valencia, Spain

Isabel Diez  
Universidad Complutense de Madrid, Spain

Jose Antonio Belso  
Universidad Miguel Hernández, Spain

Jose Luis Hervas-Oliver  
Universitat Politècnica de València, Spain

Leila Kebir  
Université de Lausanne, Switzerland

Luciana Lazzeretti  
University of Florence, Italy

Maria Angeles Monró  
Universidad Complutense de Madrid, Spain

Marival Segarra-Oña  
Universitat Politècnica de València, Spain

Mercedes Delgado  
MIT, USA

Michaela Trippl  
University of Vienna, Austria

Philip Cooke  
Bergen University College, Norway

Philippe Gugler  
University of Fribourg, France

Rafael Boix Domenech  
University of Valencia, Spain

Roberta Capello  
Politecnico di Milano, Italy

Rune Dahl Fitjar  
University of Stavanger, Norway

Silvia Sedita  
University of Padova, Italy

Tito Crissien  
Universidad de la Costa, Colombia
We have the honor to present a great panel of Key Note scholars.

Mercedes Delgado is Associate Professor of Strategy and Innovation at Copenhagen Business School and Research Scientist at the MIT Innovation Initiative.

Patrick Cohendet is full professor at HEC Montréal in the International Business Department.

André Torre is Research Professor at the University Paris-Saclay, and INRAE (Institut National de Recherche pour l’Agriculture, l’Alimentation et l’Environnement).
RC2021 respects gender equality

FACTS FOR RC2021

RC2021
93 papers
+100 scholars

RETHINKING CLUSTERS
## Program Overview

### Wednesday

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<th>Time</th>
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| 08:30 - 11:00| Parallel session 1  
Rethinking paths in/and clusters
Parallel session 2  
Green innovations, transitions and sustainability
Parallel session 3  
Creative industries, tourism and cities in sustainability transitions |          |                             |
| 11:00 - 11:20| Coffee break at Wonder.me                                               |          |                             |
| 11:20 - 11:30| Welcome RC2021                                                          |          |                             |
| 11:30 - 13:00| The Role of Location and Industry Clusters in Female Inventor Inclusion  | Mercedes Delgado  
(Copenhagen Business School and MIT) | Jose Luis Hervas  
(Universitat Politècnica de València) |                             |
| 13:00 - 14:00| Break / Lunch                                                           |          |                             |
| 14:00 - 15:30| Innovation ecosystems, community and places  
Speakers:  
Patrick Cohendet  
(HEC Montréal)  
Discussant:  
Silvia Rita Sedita  
(University of Padova) |          |                             |
| 15:30 - 16:00| Coffee break at Wonder.me                                               |          |                             |
| 16:00 - 17:50| Parallel session 1  
Rethinking paths in/and clusters
Parallel session 2  
Industry 4.0, innovations, manufacturing and servitisation
Parallel session 3  
Artificial intelligence, big data and places |          |                             |
| 18:00 - 19:50| Parallel session 1  
Rethinking paths in/and clusters
Parallel session 2  
Industrial districts
Parallel session 3  
Artificial intelligence, clusters and eco-systems |          |                             |
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| 09:00 - 11:00| Parallel session 1  
Networks, innovations and territory  
Parallel session 2  
Smart cities, change, transitions and sustainability  
Parallel session 3  
Culture and creative industries in sustainability transitions |
| 11:00 - 11:30| Coffee break at Wonder.me                                           |
| 11:30 - 13:00| **From clusters to circular economy: new paths to a sustainable territorial development** |
|              | Speakers:  
André Torre (University Paris-Saclay, and INRAE)  
Discussant:  
Annalisa Caloffi (University of Florence) |
| 13:00 - 14:00| Break / Lunch                                                       |
| 14:00 - 16:00| Parallel session 1  
Networks, innovation and territory  
Parallel session 2  
Industry 4.0, clusters and sustainability  
Parallel session 3  
Technological space, regional specialisation, diversification |
| 16:00 - 16:30| Coffee break at Wonder.me                                           |
| 16:30 - 18:10| **Parallel session 1**  
Wine clusters and sustainability  
**Parallel session 2**  
S5 Regional Clusters and International Business in a de-globalizing world  
**Parallel session 3**  
Multistakeholders and sustainability  
**Parallel session 4**  
Book session |
| 18:15         | Acknowledgments and farewell                                        |
PROGRAM

September 22nd
### Session S1. SS Rethinking paths in/and clusters

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<th>Title</th>
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<tr>
<td>Mapping and exploring the path literature in economic geography and related social sciences: a bibliometric analysis</td>
<td>Robert Hassink; Han Chu</td>
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<tr>
<td>Who contribute to who? Unravelling the relationship between urban new path and regional cluster transformation</td>
<td>Shuaijun Xue</td>
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<tr>
<td>Agencies and their role in supporting path diversification in non-core regions; the case of renewable energy in Schleswig-Holstein</td>
<td>Camilla Chlebna; Robert Hassink; Meike Löhr; Jannika Mattes</td>
</tr>
<tr>
<td>Do new paths for clusters just need the right incentive? – Effects of R&amp;D funding on changing knowledge heterogeneity in clusters</td>
<td>Robin Telge; Nils Grashof</td>
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<tr>
<td>From cluster life cycles and episodes of path development to a chain model</td>
<td>Maximilian Benner</td>
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<td>The role of powerful incumbents in regional industrial evolution: shaping regional path development through change and maintenance agency</td>
<td>Simon Baumgartinger-Seiringer</td>
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**Chair:** Sebastian Fastenrath, Robert Hassink and Michaela Trippl

### Session S2. Green innovations, transitions and sustainability

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<th>Title</th>
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<tr>
<td>Green technological diversification and international co-inventor linkages</td>
<td>Nicoletta Corrocher; Simone Maria Grabner; Andrea Morrison.</td>
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<tr>
<td>Inverted U-shape effects of proactive environmental strategies in the context of an industrial cluster</td>
<td>Victor del-Corte-Lora; Luis Martinez-Chafer; Xavier Molina-Morales</td>
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<tr>
<td>Lessons from biocluster development for green path development: the role of the regional innovation system, governance and vision creation</td>
<td>Frans Hermans; David Ayrapetyan; Ram Kamath; Kerstin Wilde</td>
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<tr>
<td>Local development and sustainability: a bibliometric analysis of the literature</td>
<td>Silvia Sedita; Leila Kebir; Marjolaine Gros-Balthazard</td>
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<td>Turning green. Mapping the green transition in Italian clusters</td>
<td>Federica Belfanti; Fernando G. Alberti; Massimo Riva</td>
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<tr>
<td>The Geography of green inventions in Italy</td>
<td>Francesco Capone; Niccolò Innocenti; Stefania Oliva; Luciana Lazzarettri</td>
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**Chair:** Francesco Capone

### Session S3. Creative industries, tourism and cities in sustainability transitions

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<tr>
<td>What is the role of sharing economy for sustainable tourism? A critical literature review</td>
<td>Martina Nannelli; Stefania Oliva; Luciana Lazzaretti</td>
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<tr>
<td>Language as a cultural driver of place-based branding. An analysis on regional import of “made in Italy” goods</td>
<td>Marco Bellandi; Annalisa Caloffi; Letizia Donati; Amr Maghsudipour</td>
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<tr>
<td>Events and the city. A dynamic view from an organizational identity perspective</td>
<td>Daria Sarti</td>
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<td>Covid pandemic measures as shock for cities and tourism</td>
<td>Yuri Yegorov</td>
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<tr>
<td>Formation and development of clusters of creative industries in Russia</td>
<td>Julia Artamonova</td>
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<tr>
<td>Thinking Outside the Cluster: New Stimuli from the Creative and Cultural Ecology</td>
<td>Manfredi de Bernard</td>
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**Chair:** Daria Sarti
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<tr>
<td>11:00 - 11:20</td>
<td>Coffee break at Wonder.me</td>
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<tr>
<td>11:20 - 11:30</td>
<td>Welcome to the 2021 Rethinking Cluster Conference</td>
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<td></td>
<td>Luciana Lazzeretti and Francesco Capone (University of Florence)</td>
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<td>11:30 - 13:00</td>
<td>The Role of Location and Industry Clusters in Female Inventor Inclusion</td>
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<td>Prof. Mercedes Delgado (Copenhagen Business School and MIT)</td>
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<td>Discussant: Jose Luis Hervas (Universitat Politècnica de València)</td>
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<td>14:00-15:30</td>
<td>Innovation ecosystems, community and places</td>
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**Session S1.**
**Rethinking paths in/and clusters (2)**

- The role of institutional gateways for forming connections between clusters: the example of Block71 in Singapore and San Francisco
  - Max-Peter Menzel; Jack L. Harris
- Smart Specialisation: towards an outward looking approach
  - Michaela Trippl; Alessio Giustolisi
- Jurisdictional advantage and industrial clustering: aligning industry, community and government
  - Nicolas A. Phelps; Ahmad Rifai; Nina Asterina; Rizqu Hadayani
- Superstars, specialists, and scrappers: how cities use civic capital to compete in high-technology markets
  - Darius Ornston; Tijjs Creutzberg; David A. Wolfe
- Evolutionary economic geography, industrial symbiosis and green growth-oriented process. A small scale study of petrochemical firms in Korea’s Ulsan-Mipo National Industrial
  - Mingeun Kang, Douglas Roger Gress

Chair:
Sebastian Fastenrath, Robert Hassink and Michaela Trippl

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**Session S2.**
**Industry 4.0, innovations, manufacturing and servitisation**

- Enabling environmental sustainable ecosystems through Industry 4.0 technologies: an example from the steel sector
  - Laura Toletti; Eleonora Di Maria
- Territorial servitisation and hybrid local systems of production
  - Edoardo Baldoni, Lisa De Propris; Dimitri Storai
- Hubbing of the Industry 4.0 aviation cluster as an example of clusters’ external relations
  - Marta Gotz
- The fourth Italy? Continuity and change in contemporary industry agglomeration
  - Stefania Fiorentino; Nicholas Phelps
- The role of Industry 4.0 and open innovation practices in the renewal path of an industrial cluster
  - Aurora Carneiro Zen; Everson Spindler; Carlos Alberto Frantz dos Santos; Jose Luis Hervas-Oliver

Chair:
Eleonora di Maria

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**Session S3.**
**Artificial intelligence, big data and places**

- Robots and the complexity of jobs, tasks, and skills in Emilia-Romagna manufacturing firms
  - Roberto Antonietti; Luca Cattani; Francesca Gamba; Giuliottini; Giulio Pedrini
- Big Data for smart cities and citizen engagement: evidence from Twitter data analysis on Italian municipalities
  - Silvia Blasi; Silvia Rita Sedita; Edoardo Gobbo; Lorenzo Brigato
- AI innovation and regional growth: evidence from Europe
  - Fabio Pieri; Francesco Venturini; Ioana Ignat
- The impact of Artificial Intelligence on the social science: the evolution of the studies in Regional Science according to a bibliometric approach
  - Luciana Lazzeretti; Niccolò Innocenti; Martina Nannelli
- Enabling environmental sustainable ecosystems through Industry 4.0 technologies: an example from the steel sector
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Chair:
Nicolò Innocenti
### Session S1. SS Rethinking paths in/and clusters (3)

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<tr>
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<tr>
<td>Searching for regional economic resilience: new path creation through smart specialisation strategy</td>
<td>Stefania Oliva; Niccolò Innocenti; Luciana Lazzeretti</td>
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<tr>
<td>Transformative regional economic resilience: bouncing beyond in different regional contexts</td>
<td>Michaela Trippi; Arne Isaksen; Sebastian Fastenrath</td>
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<td>A bibliometric study of regional economic resilience: what we learned so far</td>
<td>Vitor Klein Schmidt; Aurora Carneiro Zen</td>
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<td>Rethinking the resilience of mature clusters</td>
<td>Nikolaus Steinböck; Nora Vossbeck; Sebastian Fastenrath; Michaela Trippi</td>
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<tr>
<td>Resilience taxonomy of Italian industrial districts</td>
<td>Michele Masulli</td>
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**Chair:** Sebastian Fastenrath, Robert Hassink and Michaela Trippi

### Session S2. Industrial districts

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<tbody>
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<td>To own or not to own: the industrial district model at stakes!</td>
<td>Javier Ortega-Colomer; Xavi Molina Morales; Luis Martinez-Cháfer</td>
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<td>Marshallian Industrial Districts in Italy: the end of a model or adaptation to the global economy?</td>
<td>Gabi Dei Ottati</td>
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<td>Regional Disparities and Firms’ Agglomerations in Italy</td>
<td>Stefania Miricola; Dimitrios Exadaktylos; Armando Rungi</td>
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<tr>
<td>Industrial agglomeration, cooperation and innovation performance: an empirical approach</td>
<td>Eduardo Sánchez García; Bartolomé Marco Lajara; Pedro Seva Larroza; Lorena Ruiz Fernández; Esther Poveda Pareja; Javier Martínez Falcó</td>
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<tr>
<td>More about rare diamonds. Industrial districts and innovation in Spain and Italy</td>
<td>Francesco Capone; Rafael Boix-Domenech; Vittorio Galletto</td>
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**Chair:** Rafael Boix

### Session S3. Artificial intelligence, clusters and eco-systems

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<tr>
<td>Modeling clusters from the ground up: a web data approach</td>
<td>Christoph Stich; Emmanouil Tranos; Max Nathan</td>
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<tr>
<td>SME modes of Innovation in European Catching-up Countries: The impact of STI and DUI drivers on technological innovation</td>
<td>Jose Luis Hervas-Oliver; Davide Parrilli; Francisca Sempere Ripoll</td>
</tr>
<tr>
<td>Ecological transition and cyber-physical universe: Artificial Intelligence and the future of work</td>
<td>Mauro Lombardi</td>
</tr>
<tr>
<td>Healthy clusters in France and uncertainty around ecosystem boundaries</td>
<td>Roland Rozoulie; Olivier Blin; Joanie Del Bano</td>
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**Chair:** Davidi Parrilli

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**Chair:** Davidi Parrilli

### Industrial agglomeration, cooperation and innovation performance: an empirical approach

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PROGRAM

September 23rd
Thursday 09:00 - 11:00

**Session S1.**
Technological space, regional specialisation, diversification

The influence of applicants in the Technological Space: evidence from German Regions
Stefano Basilico

Agglomeration, regional specialization and firm performance: unravelling the riddle
Jan Vang; Silvia Rita Segita; Nikita Baklanov; Kent Wickstrøm Brigato

The importance of scientific domains for technological diversification in European regions
Balland Pierre-Alexandre; Ron Boschma

The emergence of new regional technological specialisations: the role of actors and network portfolios
Iris Wanzenböck; Silvia Rocchetta; Dieter F. Kogler; Keungoui Kim

Regional resilience and cluster strength: The case of the U.S. in the Great Recession
Viviana Elizabeth Zárate Mirón; Rosina Moreno.

Chair: Silvia Sedita

**Session S2.**
Smart cities, transitions and sustainability

The green restructuring of the Flåm tourism industry: a geographical perspective on institutional change
Nora Geirsdotter Bækkelund

Smart nations- riding on the wave of technology and sustainability trends or actually increasing citizens’ happiness?
Gabija Baugirdaitė

Smart cities and sustainable development goals: the theoretical linkages
Silvia Blasi; Ivan de Noni; Andrea Ganzaroli

Leaving no one behind? Transforming regional institutions for structural change in the sustainability transition
Ben Vermeulen

Revealing preferential circulations: How the uses of places serve collective innovation
Etienne Capron; Dominique Sagot-Duvaurox; Raphaël Suire

Chair: Silvia Blasi

**Session S3.**
Culture and creative industries in sustainability transitions (2)

Creative clusters and creative work: applying the cultural ecosystem approach to rethink paths into, within and beyond creative clusters
Tamsyn Dent; Roberta Comunian; Jonathan Gross

Creative clusters, precarity and connectivity in the Covid-19 era; the case of Milan and the Lombardy region
Jessica Tanghetti, Roberta Comunian; Tamsyn Dent

Where has all the knowledge gone? Reflections on textile cluster dynamics from the Veneto region
Jessica Tanghetti; Maria Lusiani; Fabrizio Panozzo; Lauren England; Roberta Comunian

Overeducation of PhDs in Italy: an analysis by gender
Valentina Tocchioni; Alessandra Petrucci

Does gender matter in CCIs? Understanding the relationship between characteristics of CCIs and female career advancement
Luciana Lasseretti; Stefania Oliva; Martina Nannelli

Chair: Stefania Oliva
From clusters to circular economy: new paths to a sustainable territorial development

Prof. André Torre (University Paris-Saclay, and INRAE)

Discussant: Annalisa Caloffi (University of Florence)

11:30 - 13:00

14:00 - 16:00

Session S1. Startups, unicorns, ecosystems and innovation

University-Industry interaction and firms’ innovative performance evidence from the biopharmaceutical industry
Anna Giunta; Eleonora Pierucci; Davide Vurchio

Who’s born today? Industrial structure and typologies of startups
Leonardo Mazzoni; Niccolò Innocenti

Impact evaluation of start-up innovation policies: evidence from a natural experiment
Michele Cantarella; Niccolò Franceschi; Roberto Volpe

Path constitution of unicorn startups in innovation ecosystems
Matheu Eurico Soared de Noronha; Roseimeire de Souza Vieira Silvamath; Silvio Luis de Vasconcellos; Cristina Doritta Rodrigues

Startups ecosystem and innovation: objectives and mirror of metropolitan policies
Nathalie Gaussier; Claude Lacour; Fabien Nadou;

Chair: Leonardo Mazzoni, Niccolò Innocenti

Session S2. Industry 4.0, clusters and sustainability

Comparing southern European districts for digitalizing: what type of policy initiatives work?
Jose Luis Hervas-Oliver

Stepping-up innovation in manufacturing firms: knowledge combinations in an Italian local productive system
Monica Pielecher; Markus Grillitsch

Industrial Districts and the challenge of technologies 4.0: between absorption and dissemination
Niccolò Florioni; Tommaso Pucci; Elena Casprini; Lorenzo Zanni

Upgrading Italy’s industrial capacity: Industry 4.0 across regions and sectors
Valeria Girillo; Lucrezia Fantia; Andrea Mina; Andrea Riccia

Clustering Internet of Things competences across European regions
Margherita Russo; Annalisa Caloffi; Ana Colovic; Pasquale Pavone; Saverio Romeo; Federica Rossi

Chair: Annalisa Caloffi

Session S3. Networks, innovations and territory

Knowledge Specialization and Novel Innovations: The Role of Regional Brokerage and Collaboration Intensity
Keungou Kima; Dieter F. Kogler; Massimiliano Codetta Zabetti

Global Cities in International Networks of Innovators
Samuel Edet; Pietro Panzarasa; Massimo Riccaboni

Measuring cluster networks and their context: a methodological approach based on social network analysis and in-depth interviews.
Pablo Galasso; Adrián Rodríguez Miranda

Clusters as a platform for business-research/research-business collaboration in V4 countries
Lukas Danko; Drahomíra Šavelková; Marta Mackiewicz; Dominika Kuberska; Zoltán Bendo; Katarína Havriniukova

Numerical flexibility and innovation: an empirical investigation on a panel of Italian firms
Marco Augliera

Chair: Pablo Galaso

16:00-16:30 Coffee break at Wonder.me

Discussant: Annalisa Caloffi (University of Florence)
23 Thursday

Session S1. Wine clusters and sustainability

From trade to trademark, evaluating the intangible effects of a cluster organization in the Bordeaux wine region
Stephanie Francis Grimbert; Jon Mikel Zabala-Iturrigagoitia

Sustainability in the Alicante wine tourism cluster: the case of Casa Sicilia
Marco-Lajara Bartolomé; Úbeda-García Mercedes; Zaragoza-Sáez Patrocínio; Poveda-Pareja Esther; Martínez-Falcó Javier

The role of innovation in renovation of clusters - the case of the douru wine cluster
Svitlana Sousa Ostapenko; Ana Paula Africano

Chair: Amir Maghssudipour

Session S2. SS Regional Clusters and International Business in a de-globalizing world

Is there a technological and sustainable transition in the MSM clusters or just survival fight to escape from closing down in the context of India?
Tuhinsubhra Giri

How good is the cluster for smes considering their export barriers
Ana Paula Africano; Inês Francisco Ribeiro; Natércia Fortuna

How proximity mediates the relationship between subnational industrial distance and the performance of multinationals’ subsidiaries?
Jonas Fernando Petry; Mohamed Amal; Dinorá Eliete Floriani

The role of innovation and entrepreneurship ecosystem in the firms’ internationalization process
Beatrice Mayer; Dinorá Eliete Floriani

Location advantages in regional innovation ecosystems: a multinational approach
Jurema Tomelin; Mohamed Amal; Aurora Zen

Chair: Dinora Eliete Floriani and Mohamed Amal

Session S3. Multistakeholders and sustainability

From non-profit organizations to multistakeholder social enterprises
Ermanno Tortia

Participation, regional sustainability transitions and structural couplings: overcoming challenges pertaining to diversity of actors’ worldviews, values, and cultures in multistakeholder initiatives
Yang Jan; David Hansen; Heidi Wilg

Measuring the needs and compliance of production processes of ethnic enterprises in Prato industrial district
Mano Biggeri; Leonardo Borsacchi; Lisa Braito; Andrea Feranini

2030 agenda: How can countries of continental-scale equalize indicators from the perspective of innovation ecosystems?
Silvia Maria dos Anjos; Silvio Luis de Vasconcellos

The contribution of SMEs clusters towards sustainable development
Aikaterini Souloupolou

Chair: Ermanno Tortia

Chair:

Session S4. Book Session

Rethinking Clusters: Place-based Value Creation in Sustainability Transitions
Silvia Rita Sedita; Silvia Blasi

The circular economy in the Tuscan fashion industry: A value chain approach
Natalia Faroni; Tomasso Ferraresi; Sara Turchetti

Music as Intangible Cultural Heritage: Economic, Cultural and Social Identity
de Miguel Molina, B; Santamarina Campos, V; de Miguel Molina, M; Boix Doménech, R.

Rethinking Clusters: Critical issues and new trajectories of cluster research
Lazzarettili L.; Capone F.; Calofì A.; Sedita S.

Chair: Silvia Sedita

18:15 Acknowledgments and farewell
The University of Florence is an important and influential centre for research and higher training in Italy, with 1,800 lecturers and internal research staff, 1,600 technical and administrative staff, and over 1,600 research assistants and doctoral students.

It offers a wide range of study programmes at various levels and in all areas of knowledge. Over 130 Degree courses (First and Second Cycle, corresponding to Bachelor’s and Master’s Degrees) organised in 10 Schools, with a population of about 51,000 enrolled students, one-fourth of which come from outside of Tuscany.

There are over 9,000 degrees awarded each year in Florence. According to the alumni data, the percentage of students who are in the workforce one year after their First Level degree is above national average.

The University of Florence has a natural international vocation and the development of internationalization is one of its strategic priorities.

It is one of the largest and most productive public research systems in Italy. This result is accomplished thanks to the number of permanent and temporary researchers working in a wide range of disciplinary and scientific fields, and the numerous junior scientists in training. It is also due to an intensive participation in research programmes of national and international relevance and to the significant scientific results achieved. External funds support the research and knowledge transfer activities. This combination of factors qualifies the Florentine institution as a modern research university and accounts for its excellent position in national and world rankings.
Launched by three universities of Florence, Padua and Valencia and by the PhD in Development Economics and Local System (DELOS), the “Rethinking Clusters” project has progressively expanded to include a community of researchers from many institutions, discussing a number of issues related to clusters, industrial districts and geographical agglomerations.

The first edition of the Workshop Rethinking Clusters was held at the University of Florence in Italy in 2018, in honour of Professor Giacomo Becattini a pioneer economist and a leading scholar in the industrial district literature.

The second edition of the Workshop Rethinking Clusters was held at the University of Padua in 2019 in Italy.

The third edition of the Workshop RC was held at the University of Valencia and Polytechnic University of Valencia in 2020 in Spain.

We all are clusters!
1st RC2018: Starting...

Florence, May 3rd-4th, 2018

Involving Universitat de València, University of Florence, University of Padova, Universitat Politècnica de València.

100 participants and 71 papers

Publications

Special Issue in European Planning Studies, Vol. 27(10), 2019: Rethinking clusters. Critical issues and new trajectories of cluster research.

2nd RC2019

Involving Universitat de València, University of Florence, University of Padova, Universitat Politècnica de València.

100 participants, 70 papers

Publications


Special Issue of “Competitiveness Review”: Industry 4.0 in firms, clusters and regions: the new digital imperative. Guest Editors: Jose-Luis Hervas-Oliver, Eleonora di Maria, Marco Bettiol.

Special Issue in Industry and Innovation, 28(7), 2021, Rethinking the role of local knowledge networks in territorial innovation models. Guest Editors: Luciana Lazzeretti, Francesco Capone, Tom Broekel, Robert Hassink.
Valencia, 2020

Involving Universitat de València, University of Florence, University of Padova, Universitat Politècnica de València.

100 participants, 80 papers

Publications

Special Issue 2021 Competitiveness Review
Special Issue 2022 Growth and Change
Special Issue 2021-2022 Regional Studies
Special Issue 2021-2022 European Planning Studies

3rd International Workshop on Rethinking Clusters 2020
Rethinking Culture and Creativity in the Technological Era

Firenze, 20th-21st February 2020

IL CAPITALE CULTURALE
Studies on the Value of Cultural Heritage
RC2021 is respectfully balanced for gender equality.