



Special Session Proposal

Digitalization and inequality: territorial disparities and policy effectiveness

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Track Overview

Digital transformation is reshaping societies, offering opportunities for growth and innovation while simultaneously exacerbating existing inequalities and creating new forms of exclusion (Li et al., 2023; Liu et al., 2024). Urban areas, with advanced infrastructures, tend to benefit disproportionately from digital transformation compared to rural and remote regions, where inadequate broadband access, lower digital literacy, and weaker policy implementation hinder progress (Lembani, 2020; Brandano et al., 2023).

This divide is not solely territorial but also reflects broader socio-economic inequalities. Marginalized groups, including low-income households and the elderly, face significant barriers to accessing digital tools, perpetuating disparities in education, employment, and participation in the digital economy (Tewathia et al., 2020). Gender inequality further compounds these issues, as systemic barriers prevent women—especially in rural and low-income settings—from fully engaging in digital opportunities (Mariscal et al., 2019).

Digital transformation also intersects with economic policy, shaping and being shaped by fiscal and investment strategies (Dyba and Maria, 2024). Public policies, such as subsidies for digital infrastructure and investments in digital literacy programs, are critical for reducing territorial disparities and fostering inclusive growth (European Commission, 2022; Reggi and Gil-Garcia, 2023). Tax incentives for technology adoption illustrate how economic instruments can stimulate regional development (d'Andria and Savin, 2018). However, poorly targeted measures risk exacerbating inequalities by disproportionately benefiting technologically advanced regions or larger firms, leaving SMEs and peripheral areas struggling to compete (Morris et al., 2022). While digital transformation enhances access to services and fosters innovation, it can also negatively impact citizen well-being by



deepening inequalities. Smart city projects, for example, often prioritize urban centers, leaving rural areas underserved (Wuth, 2023). Disparities in digital skills and access also affect the reach and effectiveness of e-governance initiatives, often excluding marginalized communities from their benefits (Liu et al., 2024). Initiatives like the EU's Digital Compass 2030 aim to address these disparities, yet regional divides persist, limiting economic opportunities and social cohesion (European Commission, 2021).

This track explores the nuanced impacts of digitalization on inequality, focusing on territorial, socio-economic, demographic and gender dimensions, and critically examines the effectiveness of policies designed to foster inclusivity. Submissions are encouraged to explore how fiscal measures, public investments, and regional development strategies can mitigate digital disparities while fostering sustainable economic growth. By examining territorial diversity, socio-economic disparities, and demographic challenges, the discussion aims to advance understanding of how digitalization can be harnessed to foster equitable, inclusive, and sustainable development.

Key Research Questions

- How does digital transformation influence citizens' well-being and societal inequalities?
- How can digital policies and fiscal strategies reduce territorial and socio-economic disparities to promote inclusive growth?
- In what ways can digitalization address or deepen the digital gender gap and disparities across regions and demographics?
- How can urban, rural, and remote areas benefit equitably from digital transformation initiatives?
- What is the role of education, digital literacy, and skills development in fostering digital inclusion and reducing inequalities?
- How do fiscal and investment strategies contribute to reducing regional digital inequality and fostering inclusive growth?

Key-words

Digital transformation; Digital divide; Territorial inequality; Rural development; Urban-rural divide; Smart cities; E-governance; Socio-economic inequality; Gender inequality; Digital gender gap; Digital literacy; Regional development; Fiscal policies; Public investments; Broadband access; Economic growth; Marginalized communities; Social cohesion; Digital inclusion; Sustainable development; ESG.

Submission Guidelines

We invite researchers, practitioners, and policymakers to submit original contributions, including:

- Empirical studies (quantitative or qualitative).



- Case study analyses of specific regions, cities, or policies.
- Theoretical and conceptual papers.
- Comparative analyses across countries or regions.
- Interdisciplinary research combining economics, public policy, and territorial studies.

Future opportunities

Authors presenting their research at the conference may then be invited to submit their full paper for publication at the Annals of Regional Science, within this special issue: **Addressing inequalities in digital transformation: policies and impacts** - <https://link.springer.com/collections/aafcbeeieb>.

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