

Transizioni / Transitions

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Università di Firenze / Dip. di Scienze per l'Economia e l'Impresa (DISEI)

XIV Edizione della Giornata di Studio "OLTRE LA GLOBALIZZAZIONE"

PRESENTAZIONE DI PROPOSTE DI SESSIONE	
Proponente	Senior Researcher Chiara Farné Fratini
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Titolo della sessione	Digital and Green ('Twin') Transitions Imaginaries in Critical Infrastructures (CIs): opportunities, challenges and impacts for sustainability, social and environmental justice
Descrizione (max 2500 caratteri)	The Next Generation EU recovery fund, on a post-covid context, sets a roadmap for a greener, more digital, more resilient future where "no person and no place is left behind" for delivering the European Green Deal (European Commission, 2024). This context created a window of opportunity for the utility sectors to invest in the innovation of their infrastructures. But, not enough research is available on how the digital and green transitions in critical infrastructures (CIs) can be supported and facilitated and what should be the transition pathways to be prioritized, nor there are assessment criteria in relation to how those regionally dedicated funds are being used. It is of timely importance to study the way the Twin Transitions imaginaries are being co-produced in CIs within the present socio-political context. CIs provides vital services to society, their transformation needs

accountable commitments: the changes should not interfere with service continuity, and potentially will require new ways of delivering services. Such transformations might imply complex and risky processes with potentials for transitions failure and systemic disruptions and unknown repercussions on societal orders. This session aims at collecting knowledge from existing studies and experiences of implementation of the digital and green transitions and their twinning process in CIs to prevent system failure, disruptions and negative impacts on social and environmental justice. Developing and implementing twin transitions strategies calls for new governance systems and/or changes in the existing governance arrangements. How should we study sectorial governance to gain better insights into the coproduction of the green and digital transitions imaginaries and their twinning process in a diversity of geopolitical contexts?

In particular:

- 1) How do those socio-technical imaginaries travel across different geographical contexts? Is it transferable and scalable across sectors and countries?
- 2) What are the intended and unintended implications of twin transitions imaginaries for social and environmental justice?
- 3) What spatial politics are produced by the coproduction processes of the twin transitions in CIs?
- 4) What competing normativities of sustainability, inclusion and justice emerge through engagements in the digital and green transitions and their twinning process and how are they negotiated?
- 5) What impacts do twin transitions imaginaries have on the directionality of sustainability transitions in CIs?
- 6) What scales, processes, practices, artefacts and

	<p>actors play a role in the co-production of values, normativities and directionality of the green and digital transitions and their twinning process in CIs? How do they contribute to (re)making and undoing services sectors and already emerged transition networks?</p> <p>References</p> <p>Ardebili, Ali Aghazadeh, Elio Padoano, Antonella Longo, and Antonio Ficarella (2022). The Risky-Opportunity Analysis Method (Roam) to Support Risk-Based Decisions in a Case-Study of Critical Infrastructure Digitization. <i>Risks</i> 10: 48.</p> <p>European Commission (2024) The European Green Deal - Striving to be the first climate-neutral continent. Available at: https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal_en. (Accessed on 10/09/2024)</p>
<p>Eventuali Chair e discussant</p>	
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