

P46 - Panarchic pulse: tuning into digital platforms' resilient rhythms

21. ECOSYSTEMS ALLIANCES AND COLLABORATIONS

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Track summary: Dear Colleagues,

digital platforms are integral to modern economy serving as crucial conduits for multifaceted interactions among individuals, businesses, and communities. Technologically, digital platforms are extensible code bases enriched by third-party modules; from a sociotechnical point of view, they are intersections of technical elements, knowledge, and organizational processes. This comprehensive understanding unfolds digital platforms as complex digital infrastructures embodying software, hardware, operations, complementors, and networks. Operating within a landscape in rapid technological evolution, and robust competition, platforms are exposed to both intrinsic and extrinsic fluctuations, potentially threatening their viability. With this premises, resilient thought becomes a key element to understand how platforms adapt, respond to, and even mediate unforeseen challenges across multiple levels of analysis. However, despite this relevance, extant digital platforms' literature only partially addressed resilience issues. In particular, panarchy – among the most explicative resilience properties – has not been taken into the right consideration. This is surprising given the role panarchy, i.e., the attitude of a system to influence and be influenced by states and dynamics at higher and lower scales, has in shaping the whole socio-ecological landscape. Moreover, this aligns and integrates with the microfoundations perspective, shedding light on platforms as interdependent microentities within a broader socioecological network, giving rise to a metaorganizational understanding of platform ecosystems. Accordingly, rooting in microfoundations perspective, this track aims to delve into digital platforms' panarchy, bridging a relevant gap along digital platforms and resilience literature, and fostering a nuanced debate examining digital platforms as socioeconomic microfoundations themselves.