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His current research focuses on the modeling and theory of complex adaptive systems and, in particular, the processes that create and sustain cities. He connects interdisciplinary concepts together with new evidence and data to create new theoretical and methodological syntheses that account for the properties of urban environments and produce new science-based solutions to their challenges. This work also involves collaborations with interdisciplinary researchers worldwide, local governments and NGOs to co-produce new practices of sustainable development. His work is well-known academically and in the media and has been influential in developing new theory and creative approaches to challenges of urbanization and complexity worldwide.