

Conceptualizing Smart City with Dimensions of Technology, People, and Institutions

Taewoo Nam, Theresa Pardo

Proceedings of the 12th Annual International Conference on Digital Government Research (dg.o 2011), June 12, 2011,

This conceptual paper discusses how we can consider a particular city as a smart one, drawing on recent practices to make cities smart. A set of the common multidimensional components underlying the smart city concept and the core factors for a successful smart city initiative is identified by exploring current working definitions of smart city and a diversity of various conceptual relatives similar to smart city. The paper offers strategic principles aligning to the three main dimensions (technology, people, and institutions) of smart city: integration of infrastructures and technology-mediated services, social learning for strengthening human infrastructure, and governance for institutional improvement and citizen engagement.