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Big Data for Sustainable Development

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Message from the Guest Editors

Each of the 17 United Nation's Sustainable Development Goals (SDGs) constitutes a potential Big Data source for development strategies. Their complex overlap provides both challenges and opportunities in identifying and modelling important data attributes relating to various aspects of our sustainability. Addressing real-world challenges requires engaging tools, skills and resources within a tripartite strategic framework centred on Data, Computing power and Information flow infrastructure (DCI). Interestingly, the three pillars are embedded within the SDG fabric.

The recent publication of the SDGs Atlas by the World Bank, the Millenium Institute and Our World in Data has provided descriptive statistics and simulated patterns that are vital to understanding the levels of attainment of the 2030 Agenda globally. A step forward would be to add a predictive power to these tools, taking an interdisciplinary view of all SDGs as a multidisciplinary data fabric. By sharing and analysing data, information and knowledge over relevant tools and platforms, we can deliver a spatiotemporal Development Science Framework (DSF).



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Special Issue



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Message from the Editor-in-Chief

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