



Recent Contribution from Large-Scale Data Analytics to the Sustainable Energy Transition

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Message from the Guest Editor

Goal No.7 of the Sustainable Development Goals calls to “ensure access to affordable, reliable, sustainable and modern energy”. Large-scale data analytics offers support to make this call a reality. Data analytics can boost efficiency in both the supply as well as the demand side of the energy sector. Data are an indispensable ingredient to smart grids, energy system modeling, and optimal control of renewable technologies. Data analytics furthermore supports monitoring and steering of the progress made by understanding the complexity and interlinkages involved. Digital tools can assist decision-making and lower the barriers for new actors to engage. At the same time, the digital revolution leads to an exponential growth in the amount of data available asking for new methods and approaches fit for the task.





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