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Artificial Intelligence and Earth Observation in Support of the UN Sustainable Development Goals

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Message from the Guest Editors

Dear Colleagues,

In 2014, a plan entitled “Transforming Our World: The 2030 Agenda for Sustainable Development (Agenda 2030)” was proposed by the United Nations (UN) at the UN Sustainable Development Summit to fix global problems. Within the SDGs framework, there is tremendous potential for data produced by geospatial technologies to effectively and efficiently improve social, economic, and environmental sustainability.

Now earth observation (EO) has seen the frequent launch of satellites with higher resolution images in terms of spectral, radiometric, and spatial extents. The combination of EO data with in-situ measurements and the implementation of AI produces reliable geospatial information, which is essential for sustainable development policymaking, programming, and project operations.

Considering these advances, this Special Issue invites manuscripts that present innovative methods and solutions using AI and EO. There are no constraints regarding the field of application. However, we call for contributions that describe methods and ongoing research for the application of AI and EO for information extraction, monitoring, and implementation strategies of emerging challenges and future directions.

