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Monitoring Environmental Impacts and Ecological Processes with GIS and Remotely-Sensed Data

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Message from the Guest Editors

Topics in this Special Issue include research and innovative methods for assessing quality in environmental matrices (soil, water, vegetation, and air) and a better understanding of ecological and environmental interactions to support the development of sustainable solutions.

- Spatial-temporal changes in environmental and ecological processes.
- Pollutions/contaminants in environmental matrices (soil, water, vegetation, air).
- EO Essential Variables (Essential Biodiversity Variables—EBV, Essential Climate Variables—ECV, Essential Geodiversity Variables—EGV, Essential Water Variables—EWW, and Essential Ocean Variables—EOV).
- Biodiversity (species, habitat and distribution mapping, distribution models).
- Landscape patterns, processes and interactions.
- Application of passive and active EO data, imaging spectroscopy and other emerging techniques.
- Next generation EO sensors and products for environment and ecosystem monitoring (PACE, SBG, CHIME, LSTM, CO2M).
- GIS and EO for resource management tools and Decision Support Systems (integration models, geospatial artificial intelligence—GeoAI, etc.).



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Special Issue



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Message from the Editor-in-Chief

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