remote sensing

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Sentinel Analysis Ready Data (Sentinel ARD)

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Message from the Guest Editors

This Special Issue is consequently aiming to cover the most recent advances in ARD developments and implementations for Sentinel data, to support community consensus on Sentinel ARD. We therefore welcome contributions with respect to (but without being restricted to):

- Methods for generating Analysis Ready Data for both optical (Sentinel-2 and 3) and SAR imagery (Sentinel-1);
- Defining ARD level for thermal imagery (Sentinel-3);
- Defining guidelines for ARD product interoperability;
- Defining ARD level for Sentinel-5P (Air pollution);
- Significance of ARD for Data Producers; Data Distributors; Data Users;
- Data quality, reliability, flagging, etc.;
- Cost/Benefits analysis for ARD data;
- Thematic application of Sentinel ARD;
- Software tools that support generating analysis-ready data for both optical and SAR imagery;
- Support to policy framework such as the Sustainable Development Goals, the Paris Agreement, or Aichi targets;
- Links with initiatives like Copernicus or the Global Earth Observation System of Systems (GEOSS);
- Data cube interoperability;
- Error propagation and uncertainty handling;
- ARD standards;

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Special Issue