CALL FOR PAPERS
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

Special Issue on
“Remote Sensing for Sustainable Social Good”

Among the 17 UN Sustainable Development Goals for the year 2030 are no poverty, zero hunger, clean water and sanitation, sustainable cities and communities, responsible consumption and production, climate action, and life on land. To take the necessary interventions to achieve these goals, we must be positioned to locate and measure geospatial-temporal variations in these areas accurately. Advances in multi-temporal airborne and spaceborne remote sensing imagery and machine learning have made it possible to find computational indicators of poverty, well-being, water, oceans, agriculture, industrial development, biodiversity, and climate. Further, it enables us to monitor, measure, and report these indicators within and across geographic boundaries.

The ongoing democratisation of satellite products has resulted in an unprecedented abundance of remote sensing data. The data has been made available at increased spatial and temporal resolutions from multi-modal (active, passive) and multi-sensor platforms. Remote sensing data enables wide-area monitoring of the earth surface and given that the data is acquired from space, there is no need to deploy additional sensing infrastructure.

As a general response to the UN Sustainable development goals, this special issue aims to support sustainable social good by measuring the earth's surface using multi-modal and multi-temporal remote sensing data. We consider all submissions that contribute to social good and the 17 UN Sustainable Development Goals using remotely sensed data, and in particular, call for papers focusing on:

- No Poverty;
- Zero Hunger;
- Good Health and Well-Being;
- Clean Water and Sanitation;
- Affordable and Clean Energy;
- Economic Growth;
- Industry Infrastructure;
- Sustainable Cities and Communities;
- Responsible Consumption and Production;
- Climate Action; and
- Life Below Water and on Land.

To support reproducibility and replicability in remote sensing, we encourage submissions with open data and code.

Schedule
1 October 2021 Submission system opening
31 March 2022 Submission system closing

Format
All submissions will be peer reviewed according to the IEEE Geoscience and Remote Sensing Society guidelines. Submitted articles should not have been published or be under review elsewhere. Submit your manuscript on http://mc.manuscriptcentral.com/jstars, using the Manuscript Central interface and select the “Remote Sensing for Sustainable Social Good” special issue manuscript type. Prospective authors should consult the site https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9082768 for guidelines and information on paper submission. All submissions must be formatted using the IEEE standard format (double column, single spaced). Please visit http://www.ieee.org/publications_standards/publications/authors/author_templates.html to download a template for transactions. Please note that as of Jan. 1, 2020, IEEE J-STARS has become a fully open-access journal charging a flat publication fee $1,250 per paper.

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