

Call for Papers: Monitoring our Forests from Root to Canopy

2018 Special Themed Issue March 20–June 20, 2018

IEEE Earthzine is soliciting articles of 8003,000 words for its 2018 theme on forest monitoring and change detection using Earth observation. Forests represent about 40 percent of the Earth's land surface and increasingly there is a requirement to closely monitor and quantify changes in forest resources at a high temporal frequency. This is increasingly possible with a wide availability of satellite sensors and associated technologies. We are seeking contributions that focus on the use of Earth observation data to monitor and quantify forest resources from local to continental scales.



Credit: Daniel McInerney

The theme issue is scheduled for March 20 (Equinox)-June 20 (Solstice), 2018. We seek to publish articles from all regions of the globe.

Specific topics of interest for our theme on forest monitoring using Earth observation data include:

- Use of multi-temporal and/or multi-sensors applications (including optical, radar, LiDAR and UAV data)
- Estimating above-ground biomass and forest parameters using field inventory data and remote sensing in the context
- Quantification and monitoring of forest disturbances (forest fires, storms, pests)
- Operational forest monitoring services and platforms that assist decision makers (e.g., Copernicus, GEOSS, etc.).

Earthzine is an informative scientific online journal dedicated to promoting the societal benefits of Earth observation and the use of Earth information in planning and policy.

We invite you to submit an article and become part of a growing professionally diverse community and global readership network working to build the Global Earth Observation System of Systems (GEOSS).

Earthzine operates under the auspices of the IEEE Oceanic Engineering Society (OES) and supports the Group on Earth Observations (GEO) and its mission to integrate the world's Earth observing systems into a Global Earth Observing System of Systems (GEOSS).

Earthzine seeks to explore the application of scientific and technological research as well as policy and its implementation for the benefit of society.

We welcome articles about programs, projects, organizations, examples of interdisciplinary and cross-regional research, latest discoveries, and unusual findings. We also publish opinion essays, and book and art reviews.

Important dates: Submissions for the forest monitoring theme will be accepted until March 31, 2018. Submit inquiries and articles to Dr. Daniel McInerney at dmcinerney@earthzine.org and/or Dr. Frank Barrett frank.barrett@agriculture.gov.ie.

Publication: Submissions must be in English. All accepted contributions will undergo review by subject-matter experts, be published online at Earthzine.org, and be freely accessible to the public. IEEE Earthzine does not charge authors for publishing.

Please consult our Writer Guidelines for further information and to access an article template. Submissions should include two to three visuals relevant to the content. Visuals may be graphs, charts, photographs or other appropriate images, with caption and credit information included.

Guest Editors	Theme Editor	Managing Editor
Dr. Daniel McInerney, Forest Resource Planning, Coillte – Irish State Forestry Board, Ireland dmcinerney@earthzine.org Dr. Frank Barrett, Irish Forest Service, Department of Agriculture, Food and the Marine, Ireland frank.barrett@agriculture.gov.ie	Paul E. Racette, DSc editor@earthzine.org	Jeff Kart, M.A. jkart@earthzine.org