



*land*



an Open Access Journal by MDPI

## Land-Use Change and Ecosystem Carbon Dynamics

Guest Editors:

**Mr. Benjamin M. Sleeter**

Research Geographer, U.S.  
Geological Survey, Seattle, WA,  
USA

**Dr. Paul C. Selmants**

Research Physical Scientist, U.S.  
Geological Survey, Menlo Park,  
CA, USA

Deadline for manuscript  
submissions:

**closed (28 February 2019)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue invites articles focusing on quantifying the effects of land change on ecosystem carbon balance.

1. Improved attribution of disturbances from remote sensing platforms, including timber harvest, fire, insect outbreak, and storm damage, with specific implications towards carbon monitoring and assessment.
2. Quantification of soil and ecosystem carbon fluxes resulting from different types of land-use and land-cover conversion.
3. Quantification of terrestrial to aquatic lateral transfers of carbon resulting from land-use and land-cover change.
4. Improved scaling, with uncertainty, of site-level empirical observations of land change and ecosystem carbon balance to regional/continental scales.
5. Improved data-model integration to provide more realistic projections of future land change impacts on ecosystem carbon balance.
6. Local, regional, national, and global assessment and synthesis.
7. Understanding impacts of climate adaptation and mitigation strategies on ecosystem carbon balance.
8. Innovations in mapping and monitoring of ecosystem carbon stocks and fluxes.



[mdpi.com/si/13772](https://mdpi.com/si/13772)

**Special** Issue

an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Christine Fürst

Institute for Geosciences and  
Geography, Department  
Sustainable Landscape  
Development, University of Halle,  
Von-Seckendorff-Platz 4, 06120  
Halle, Germany

## Message from the Editor-in-Chief

*Land* is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend *Land* for your best research publications for a fast dissemination of your research.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SSCI (Web of Science), PubAg, AGRIS, GeoRef, RePEc, and other databases.

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Nature and Landscape Conservation)

## Contact Us

---

*Land* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/land  
land@mdpi.com  
X@Land\_MDPI