

T-MOSAiC Special Issue of Arctic Science (updated)

**Terrestrial Geosystems, Ecosystems and Human Systems
in the Fast-Changing Arctic**

Arctic climate change and its global as well as local consequences have underscored the need for increased collaboration in northern research across disciplines and among countries. As a result, the International Arctic Science Committee (IASC) composed of delegates from 23 nations to each of five thematic working groups has supported the planning of a number of multinational research projects. The largest of these to date is the ‘Multidisciplinary drifting Observatory for the Study of Arctic Climate’ (MOSAiC; 2019-2020), a year-round set of observations of multiple aspects of the Arctic Ocean, sea ice and atmosphere, with a related project on Arctic terrestrial environments ‘Terrestrial Multidisciplinary distributed Observatories for the Study of Arctic Connections’ (T-MOSAiC; 2019-2021). This special issue of ‘[Arctic Science](#)’ focuses on terrestrial Arctic systems, and will include synthesis papers and scientific articles from several of the themes within T-MOSAiC. Review papers are invited that consider one or more system level themes (page 14 in the T-MOSAiC Science Plan; available [here](#)); papers that summarize Arctic terrestrial data sets, collections or protocols; and scientific articles based on Arctic observations that are relevant to T-MOSAiC. Cross-disciplinary papers and papers that address Indigenous perspectives are especially encouraged. This issue will be open for submissions from now until March 2022, and papers will be published online and citable with their DOI number as soon as they pass through the peer review steps and are accepted. They will be published within the normal issues of *Arctic Science* (thereby providing date, volume and pagination as rapidly as possible), and they will additionally be grouped as the T-MOSAiC Special Virtual Issue in 2022. Submission instructions for authors are given at: <https://cdnscepub.com/authors-and-reviewers/author-guidelines>

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