Elementa: Science of the Anthropocene – A New Nonprofit, Open-access Journal Publishing Scientific Research Specific to the Anthropocene in a Multidisciplinary Format

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Elementa: Science of the Anthropocene is a new, nonprofit, open-access journal aiming to facilitate scientific solutions for directing society to a sustainable state in the face of the challenges presented by this era of accelerated human impact. It is a nonprofit initiative, supported by collaborators BioOne, Dartmouth, the Georgia Institute of Technology, the University of Colorado Boulder, the University of Michigan, and the University of Washington. *Elementa* focuses on the publication of timely, high quality research to advance the intellectual agenda of science.

 Articles published in *Elementa* will be available in machine- as well as human-intelligible formats: HTML, PDF, EPUB, Mobipocket, XML, and JSON. *Elementa* will be accepting manuscript submissions starting May 15, 2013.

Elementa will publish original research reporting on new knowledge of the Earth's physical, chemical, and biological systems; interactions between human and natural systems; and steps that can be taken to mitigate and adapt to global change. *Elementa* will report on fundamental advancements in research organized initially into six knowledge domains, embracing the concept that basic knowledge can foster sustainable solutions for society.

Each knowledge domain is led by an Editor-in-Chief: **Atmospheric Science**, Detlev Helmig, University of Colorado Boulder; **Earth and Environmental Science**, Joel D. Blum, University of Michigan; **Ecology**, Donald R. Zak, University of Michigan; **Ocean Science**, Jody W. Deming, University of Washington; **Sustainable Engineering,** Michael E. Chang, Georgia Institute of Technology; and **Sustainability Transitions**, Anne Kapuscinski and David R. Peart, Dartmouth.

Elementa's Atmospheric Science domain is dedicated to research on the impacts of human activities and the natural state of the Earth's atmosphere and invites original research manuscripts that investigate chemical and physical atmospheric properties encompassing natural processes, perturbations, and assessment of future conditions. *Elementa* will consider work on laboratory studies, field observations, and modeling. Key subject areas include atmospheric chemistry of gases and particles, atmospheric transport, gas and particle exchanges at the Earth's surface, terrestrial and oceanic biosphere-atmosphere interactions, air quality and air pollution, atmospheric processes in the polar environment, and chemical and radiative influences and feedbacks of the atmosphere on the climate system. *Elementa*, in particular, strives to become a home for publications on societal impacts of atmospheric conditions and processes, for policy-relevant research findings, and for work that directs and nurtures the path towards a sustainable Earth Atmosphere. To attain this goal, submissions going beyond traditional disciplinary borders are welcome. Interdisciplinary research that bridges Atmospheric Science to any of the five other *Elementa* domains of Ocean Science, Earth and Environmental Science, Ecology, Sustainable Engineering, and Sustainability Transitions will be co-evaluated with the respective editors of those domains.

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