

James Frew is an Associate Professor in the [Donald Bren School of Environmental Science and Management](#) at the [University of California, Santa Barbara](#) (UCSB), and a principal investigator in UCSB's [Institute for Computational Earth System Science](#) (ICESS). His research is centered on applications of computing technology to environmental science, particularly involving digital geolibraries and Earth science workflow management.

Dr. Frew received his Ph.D. in [Geography](#) from UCSB in 1990. As part of his doctoral research, he developed the [Image Processing Workbench](#), an open-source set of software tools for remote sensing image processing, currently used for instruction and research at UCSB and elsewhere. He has served as both the Manager and the Acting Director of the Computer Systems Laboratory (ICESS' predecessor), and as the Associate Director of the [Sequoia 2000 Project](#), a 3-year \$14M multi-campus consortium formed to investigate large-scale data management aspects of global change problems.

Dr. Frew currently leads the [Earth System Science Workbench](#) project, part of NASA's [Federation of Earth Science Information Partners](#) (ESIPs). He is a co-PI on the [Alexandria Project](#) (part of NSF's [Digital Libraries Initiative](#)), where he directs the development of the Alexandria Digital Earth Prototype (ADEPT) testbed system. Dr. Frew also serves on the National Academy of Science's [Committee on Earth Science Data Utilization](#) (CESDU), and as consultant to NASA's [Strategic Evolution of ESE Data Systems](#) (SEEDS) activity.

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