



The Earth Science Information Partners: Globally Connected Networks of Earth, Space and Environmental Science Data Practitioners Making Data Matter

Erin Robinson

Earth Science Information Partners, Boulder, United States (erinrobinson@esipfed.org)

Addressing research problems in Earth and environmental science usually requires combining data from multiple sources. This is facilitated by the use of common practices, vocabularies, interfaces and standards and recently it has been accelerated through connected communities of practice. This abstract will focus on the Earth Science Information Partners (ESIP) and the Australian Earth and Environment Science Information Partners (E2SIP)

Over the last 20 years the Earth Science Information Partners (ESIP) have built a community of practice in USA, supported by NASA, NOAA & USGS, through regular meetings and online forums to examine and develop emerging technologies. ESIP has become a braintrust and professional home for the Earth science data and informatics community where both peer-led education & training and the co-development of conventions, practices and guidelines have helped make Earth science data more interoperable.

Through connections in the ESIP network and these boundary objects, ESIP has influenced the international community. The Australian Earth and Environment Science Information Partners (E2SIP) was recently established in 2018 through liaison with ESIP to support similar functions in Australia. E2SIP is working with the National Earth and Environmental Sciences Facilities Forum which provides a common voice to government on behalf of long term science infrastructure. In addition, E2SIP, supported by programs from the National Research Infrastructure Strategy (NCRIS) such as the newly formed Australian Research Data Commons (ARDC), will convene workshops, courses, hackathons, and develop guidance and best practices tailored for the Australian community.

This talk will explore how ESIP, E2SIP and other international partners will work together to create globally connected networks of Earth, Space and Environmental Science data practitioners making data matter.