Title:

Pangeo's vision for scientific computing in the big-data era

Abstract:

Pangeo is a community driven effort for open-source big-data applications in the Earth System Sciences (ESS). In this presentation, I will introduce the Pangeo community, describe a few common big-data applications in ESS, and layout a vision for combining scalable computing environments with increasingly large quantities of findable, accessible, interoperable, and reusable (FAIR) data.

Bio:

Dr. Joseph Hamman is a computational hydroclimatologist. He has a Ph.D. in Civil and Environmental Engineering from the University of Washington. He is currently a project scientist at the National Center for Atmospheric Research where his research focuses on developing and evaluating computational hydrologic models to better understand the sources of uncertainty in future climate projections. He is an active developer of a number of open-source Python projects, including Xarray and Pangeo.

Related links:

Pangeo: https://pangeo-data.github.io

AGU FAIR data:
https://eos.org/agu-news/enabling-fair-data-across-the-earth-and-space-sciences