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Advancing netCDF-CF for the Geoscience Community

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The Climate and Forecast (CF) metadata conventions for netCDF (netCDF-CF) are used widely by weather forecasters, climate scientists, and remote-sensing researchers to include auxiliary information along with scientific data. This auxiliary information, or metadata, describes where and how the data were collected, the units of measurement used, and other similar details. Numerous open source and commercial software tools are able to explore and analyze data sets that include netCDF-CF metadata.

This presentation will introduce work to extend the existing netCDF-CF metadata conventions in ways that will broaden the range of earth science domains whose data can be represented. It will include discussion of the enhancements to netCDF-CF that are envisioned and information on how to participate in the community-based standards development process.