

## [HDF Conventions and Communities](#) [1]



Submitted by Ted.Habermann on Fri, 2015-05-01 18:28 Tuesday, July 14, 2015 - 13:30 to 15:00

**Event:** [Summer Meeting 2015](#) [2]

**Session Type:** [Breakout](#) [3]

**Expertise Level:** [Beginner](#) [4]

**Abstract/Agenda:**

HDF is used to support communities throughout the ESIP community and across many scientific disciplines. In many cases, these communities develop a set of conventions for describing their data and tools that support data access using those conventions. In Earth science the most well known community APIs are HDF-EOS and netCDF, but there are many others ([BAG](#) [5], [KEA](#) [6], ...).

The HDF Group has recently initiated several projects aimed at increasing interactions with these groups in Earth Science and beyond. The first is a technical one that involves developing machine-actionable descriptions of conventions using [well known expert system](#) [7] tools. The second is a community engagement effort aimed at developing an active and interactive HDF community initially starting (hopefully) as an NSF Research Coordination Network. These two efforts will be described during this session.

- Introduction - Ted Habermann
- His Expert's Voice: Community Conventions and Expert Systems - Gerd Heber
- HDF Communities and Outreach - Lindsay Powers

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[3] <http://commons.esipfed.org/session-type/breakout>

[4] <http://commons.esipfed.org/taxonomy/term/260>

[5] <http://www.opennavsurf.org>

[6] <http://www.kealib.org>

[7] <http://clipsrules.sourceforge.net>