The NetCDF/OPeNDAP (NO) Project

or

"What part of NO do you not understand?"

Background

- Originated from John Caron's idea and discussion at AGU in December 2006
- Resulted in proposal to NSF SDCI solicitation from James Gallagher (PI) and Russ Rew (Co-PI) in January 2007
- Award announced in August 2007 funding 2 developers for 2 years
  - Dennis Heimbigner for Unidata work, with Ed Hartnett, John Caron, Russ Rew, Ethan Davis
  - Rikki Duncan for OPeNDAP.org work, with James Gallagher, …

Goals

- Improve OPeNDAP and netCDF integration by
  - Enhancing Unidata's netCDF C library to support the OPeNDAP protocol as the remote access protocol for netCDF data
  - Extending the OPeNDAP protocol to support the Unidata Common Data Model on the server side as well as the client side
- Ease the establishment of useful scientific data archives and effective remote access to scientific data

Planned Deliverables

- Libraries
  - **2008-03:** libdap++/libnc-dap + netcdf-3.7
  - **2008-09:** Ocapi (supporting DAP2) + glue + netcdf 4.x
  - **2009-03:** Ocapi (supporting DAP3.x) + glue + netcdf 4.x
  - **2009-09:** Ocapi (supporting DAP4) + glue + netcdf 4.x
  - **2009-12:** Testing, beta snapshot released by

- Other deliverables
  - **2009-03:** DAP4 specification
  - **2009-06:** libdap++ for DAP4
  - **2009-09:** netCDF 4.x server that uses DAP4

- Licensing:
  - Unidata will continue using MIT-style open source license
  - OPeNDAP will keep Ocapi, libdap++, libnc-dap under LGPL
  - libnc-dap will be phased out at end of project

Project Name

- **External:** NetCDF/OPeNDAP Software Development for Cyberinfrastructure Integration (NOSDCI)?
- **Internal:** Project NO

Cyclops: "Tell me the name of that NetCDF-OPeNDAP project"

Unidata: "NO"