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**: Ocap (supporting DAP2) + glue + netcdf 4.x
  - **2009-03**: Ocap (supporting DAP3.x) + glue + netcdf 4.x
  - **2009-09**: Ocap (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 Ocap, 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”