



# Current Status of NOAA DOI Procedures And NODC Implementation

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# Current Draft Procedures

- 🌐 **First, archive the resource at one of the three NOAA National Data Centers**
- 🌐 **Second, the NNDC will manually mint the DOI at EZID**
- 🌐 **Third, the NNDC will include the DOI and citation text in the ISO metadata record**
- 🌐 **Fourth, the NNDC will move the completed record into the proper place on its WAF (for NODC: <http://data.nodc.noaa.gov/nodc/archive/metadata/doi>)**
- 🌐 **The DOI landing page is then a transformed view of that ISO record**



# Fundamentals

- 🌐 Starting “coarse” – can mint “children” DOIs later if deemed necessary... this is a *Pilot*
- 🌐 A single DOI can be assigned to an ongoing data stream
- 🌐 Must meet EZID/DataCite minimum metadata requirements... generally similar to minimal archive requirements but some additions
- 🌐 Identifying authorship is key
- 🌐 Data access links, browse graphic required
- 🌐 Landing pages = dynamic transforms of ISO and we all agree to conform to same look



# Current NODC Status

## 🌐 We have minted two DOIs

- <http://dx.doi.org/10.7289/V5WD3XHB>
- <http://dx.doi.org/10.7289/V5RN35S0>

## 🌐 Process is still manual -> will move to more automated process in time

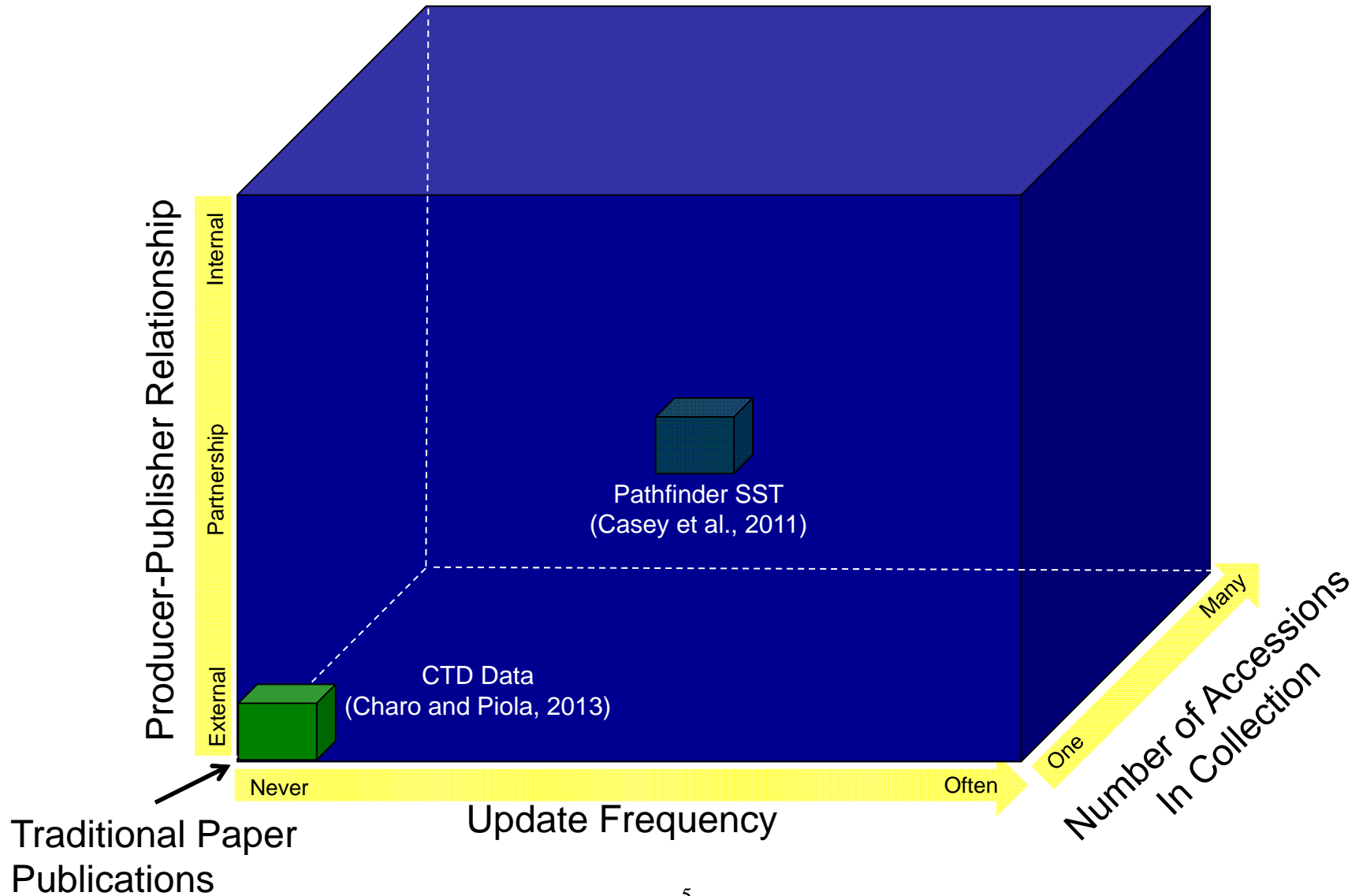
## 🌐 Proceeding carefully

## 🌐 Probably won't have DOIs for everything in the NODC archive, but most/all new collection should eventually get them

## 🌐 Testing “dimensions of complexity”...



# Dimensions of DOI Complexity





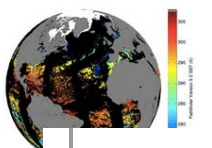
# NOAA/NODC's DOIs for Data

NOAA NATIONAL OCEANOGRAPHIC DATA CENTER (NODC) UNITED STATES DEPARTMENT OF COMMERCE

NOAA Satellite and Information Service

## AVHRR Pathfinder Version 5.2 Level 3 Collated (L3C) Global 4km Sea Surface Temperature for 1981-2011

AVHRR\_Pathfinder-NODC-L3C-v5.2



The AVHRR Pathfinder Version 5.2 Sea Surface Temperature data set (PFV52) is a collection of global, twice-daily 4km sea surface temperature data produced in a partnership by the NOAA National Oceanographic Data Center and the University of Miami's Rosenstiel School of Marine and Atmospheric Science. PFV52 was computed from data from the AVHRR instruments on board NOAA's polar orbiting satellite series using an entirely modernized system based on SeaDAS. This system incorporates several key changes from Versions 5.0 and 5.1 of Pathfinder, including the use of an entirely new land mask, a modified grid, and the inclusion of sea ice, wind speed, and aerosol ancillary data to support the use of the SST data. Importantly, PFV52 data are provided in netCDF-4 (classic model, with internal compression and chunking) and are nearly 100% compliant

**Use Limitation**

Cite as: Charo, Marcela and Piola, Alberto R. (2013): Surface and Oceanographic profile temperature, salinity and other measurements using CTD and thermosalinograph, taken from the PUERTO DESEADO in the Coastal S Atlantic, South Atlantic and other locations from 2005 to 2006 (NODC Accession 0110317). National Oceanographic Data Center, NOAA. doi:10.7289/V5RN35S0 [access date]

Access

download NODC HTTP: Navigate to URI browsing through download that file

download NODC FTP: Navigate to URI download.

download NODC THREDDS: web services for Service, Web M

download NODC LAS: For data analysis

Browse graphic: Browse graphic

Format(s)

netCDF  
Format version: netCDF-4  
Compression: Files are compressed internally using netCDF4.

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NOAA NATIONAL OCEANOGRAPHIC DATA CENTER (NODC) UNITED STATES DEPARTMENT OF COMMERCE

NOAA Satellite and Information Service

## Surface and Oceanographic profile temperature, salinity and other measurements using CTD and thermosalinograph, taken from the PUERTO DESEADO in the Coastal South Atlantic, South Atlantic and other locations from 2005 to 2006 (NODC Accession 0110317)

NODC Accession 0110317



These data were collected as part of the scientific agenda of the United Nations Development Program (UNDP) and sponsored by the Secretary of Environment and Sustainable Development of Argentina (http://www.ambiente.gov.ar). The project Coastal Pollution Prevention and Marine Biodiversity Management (Project 20385-AR-UNDP-ARG/02/018) also referred to as GEF Patagonia was partially funded by the Global Environment Facility (GEF), with additional funding from the Inter-American Institute for Global Change Research

South Atlantic and other locations from 2005 to 2006 (NODC Accession 0110317). National Oceanographic Data Center, NOAA. doi:10.7289/V5RN35S0 [access date]

Legal Constraints  
Other

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# Some NOAA DOI Resources

## Draft Procedural Directive:

- [https://docs.google.com/a/noaa.gov/document/d/1FXYZW1Ay6QNY\\_vvPNAJEDu38mpBvJmeoselBFuI9XTU/edit](https://docs.google.com/a/noaa.gov/document/d/1FXYZW1Ay6QNY_vvPNAJEDu38mpBvJmeoselBFuI9XTU/edit)

## Project Plan:

- <https://docs.google.com/a/noaa.gov/document/d/1Ecz9zMiTNSwFQoZZb7JeEY5AuqgLY4yjp-TIs43hWVQ/edit#heading=h.qx5lqn27gx82>

## Project Folder:

- [https://drive.google.com/a/noaa.gov/folderview?id=0B\\_DpNPgLE0tEdDNwNERHbWhKVkE&usp=sharing](https://drive.google.com/a/noaa.gov/folderview?id=0B_DpNPgLE0tEdDNwNERHbWhKVkE&usp=sharing)

## EDM Wiki on Data Citation:

- [https://geo-ide.noaa.gov/wiki/index.php?title=Data\\_Citation](https://geo-ide.noaa.gov/wiki/index.php?title=Data_Citation)