

The National Data Service

Welcome!

NDS6 / Pittsburgh
October 2016

NDS Mission

The National Data Services (NDS) advances the frontiers of discovery and innovation by **enabling open sharing of data and increasing collaboration** within and across fields and disciplines. The NDS develops an **open environment of federated, interoperable, and integrated national-scale services** with guidance from its stakeholders: researchers, scholars, and policy makers. NDS provides an environment for efficient, convenient, secure, and sustainable **storage, curation, sharing, publishing, accessing, discovery, verification, attribution, and visualization** on all forms of scholarly, research, and policy data.

Add



iRODS iCAT

open source data management software

Data transfer C/C++

icat

Add

Add



Jupyter Data Science Notebook

Jupyter data science notebook

Analysis

jupyterdsn

Add

Add



Jupyter Minimal Notebook

Jupyter Minimal Notebook

Javascript Python Analysis

jupytermn

Add



Kibana (ELK)

An open source data visualization platform

LMA

kibana

Add



Logstash

Centralized logfile management

LMA

logstash

Add



MongoDB

A cross-platform document-oriented NoSQL database

NoSQL

mongo

Add



OntoWiki

Semantic wiki and knowledgebase

Semantic PHP

ontowiki

Add



ownCloud

Open source, self-hosted file sync and share app platform.

PHP Active data management

owncloud

Add



PostgreSQL

Relational database platform

RDBMS

postgres

Add



PyCharm

PyCharm Community Edition

Development environment Python

pycharmpra

Add



PyCharm for pyCloader

PyCharm development environment for pyCloader

Development environment Python

pycloaderpycharm

Add



RabbitMQ

A highly reliable enterprise messaging system

Message broker

rabbitmq

Add