



# NOAA Research and Development Database

January 2020

The NOAA Research and Development (R&D) Database (NRDD) is a secure, web-based business intelligence and performance management tool designed to contain information about the R&D projects NOAA conducts and funds.

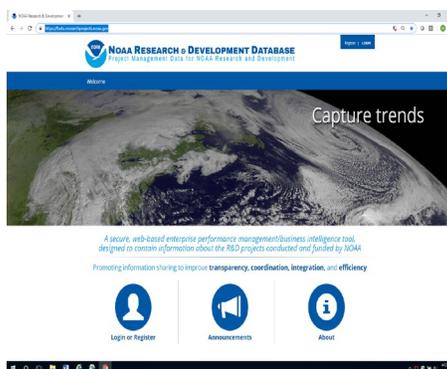
- Starting in Fiscal Year 2017, NOAA and its partners have, for the first time, a single source of consistent, comprehensive information about the projects in NOAA's R&D portfolio.
- NOAA's R&D database will be populated with input from all of NOAA's R&D units, directly and/or through data imports from other systems; over 3,500 NOAA R&D project records are already in the database.

## What are the benefits of the NOAA R&D Database?

The NOAA R&D Database is a tool to:

- Share information to improve communication, collaboration, coordination, planning, and integration across NOAA and decrease project redundancy;
- Identify, track, and facilitate R&D transition projects;
- Strengthen the linkages between strategy and execution and across Line/Staff Offices;
- Provide corporate reporting of performance (as mandated in the reports for Government Performance and Results Act (GPRA), Annual Performance Plan (APP), Annual Operating Plan (AOP), and other ad-hoc requests);
- Plan and track execution and evaluation of progress;
- Track and align project funds with the source of funding;
- Identify, assess, and mitigate risk;
- Capture trends in R&D investments; and
- Enable portfolio awareness for characterizing and balancing NOAA's R&D portfolio.

## How do I access the NOAA R&D Database and use it?



<https://researchprojects.noaa.gov/NRDD-Login?ReturnUrl=%2f>

If you do not already have a user name and password, click on "Register" on the Home page, and follow the instructions to create an account. You should have access to log in within 48 hours of registering.

For online help, click "Welcome" of the Home page. The drop down menu under "Welcome" has more information: Information, Live Charts, and Contact.



**For more information:**

Danielle.Tillman@noaa.gov

Meka.Laster@noaa.gov

Shanie.Gal-Edd@noaa.gov

## What will be included in the NOAA R&D Database?

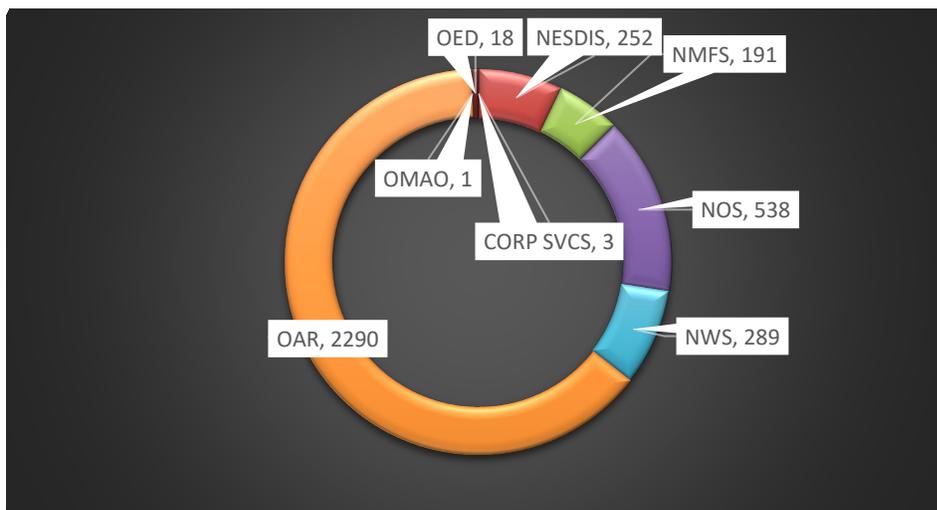
The NOAA R&D Database will include descriptions, personnel, milestones, resources, and other information about all R&D (including demonstration) projects NOAA conducts and funds during FY 2017 and later.

Each project should have a:

- Defined endpoint, objective(s), and final deliverable(s)
- Defined timeline (generally up to four years but can be longer)
- Defined NOAA resources (one or more of the following):
  1. Budget
  2. Personnel and/or partners working on the project
  3. Other resources (ships, aircraft, high performance computers and other equipment)
- Designated single Readiness Level (NAO 216-105B)

There are currently no NOAA-wide criteria for project size, although individual organizations may establish minimums.

### Number of projects by NOAA Office (as of 01/07/2020) – 3,582 Projects:



3,582 Total Number of Projects (2,901 Projects Approved by a Manager)

## What questions will the NOAA R&D Database answer?

The NOAA R&D Database is designed to provide efficient, repeatable answers to such questions as:

- What R&D projects is NOAA doing? On a particular topic? Within a particular Line/Staff Office?
- What R&D is NOAA doing to support particular strategic plan goals/objectives and performance measures?
- Who is working on NOAA's R&D projects as internal or external partners?
- What are the timelines for R&D projects?
- What are the R&D project costs (\$ and other resources)?
- Where is a project on the path to transitioning to operations, applications, or other uses?
- How are NOAA projects distributed among readiness levels (i.e., how many/what percentage of projects are at each level)?