

NOAA Projects Repository in VLab

“No Transitions, No Outcomes”

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What is the NOAA Projects Repository in VLab?

It is a web interface that allows:

- 1) NOAA employees to investigate and compare R&D projects active in the agency to improve collaboration and R2A situational awareness
- 2) Allow the owners of NOAA R&D projects to input their project data to a central location in compliance with NAO 216-105 and the FY15 R2A performance measure pilot.

“R2A” Defined

The transition of R&D to **APPLICATION** (R2A) means either:

R2O:

The transition to **OPERATIONS** (to NOAA operations or to the operations of external partners and agencies)

R2C:

The transition to **COMMERCIAL** applications (via patents, licenses, CRADAs)

R2U:

The transition to **OTHER USES** (e.g. policy and regulations, resource management, public education and outreach)

Transition Models:

R2O: “Pass the Baton”



R2C: “Tech Transfer”

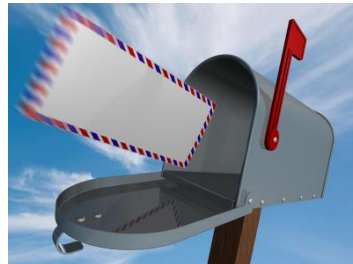


NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION OCEANIC AND ATMOSPHERIC RESEARCH

TECHNOLOGY PARTNERSHIPS OFFICE

Promoting Partnership & Commercialization of NOAA Technology and Innovations

R2U: “Letter in the Mail” or “Message in a Bottle”



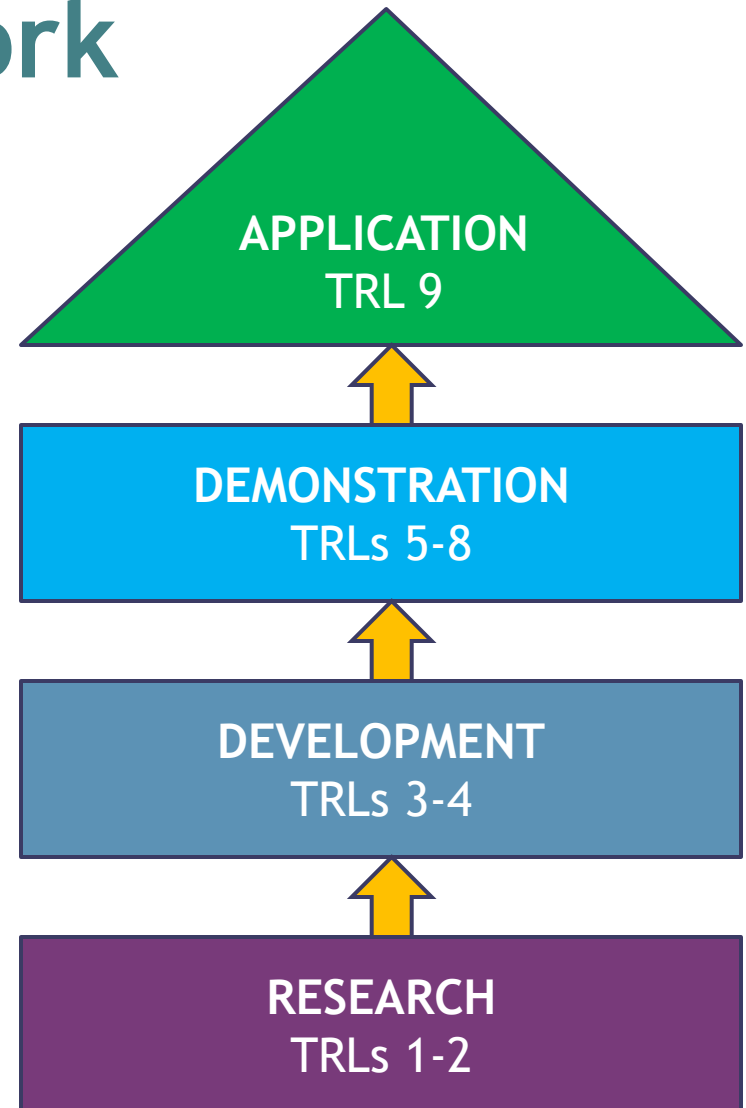
Measuring the Performance of NOAA's R&D Ecosystem with respect to R2A

NOAA's R&D 'Ecosystem':

- 12,000 employees
- 5 Line Offices
- 7 Research Labs
- 16 Cooperative Institutes
- 100s of Operational Systems
- 100s R&D Units

Proposed Framework

- Projects move through four life-cycle phases on their way to (and including) application
- These four phases can be aligned with standard Technical Readiness Level (TRL) maturity index
- Applications can be of three different types: Operations, Commercial applications, or Other uses (see prior slide)
- The four phases (and underlying TRLs) may have variants (with more specific definitions), based on type of application, or domain of R&D



Effective R2A

APPLICATION
TRL 9



100%
(1,000)

DEMONSTRATION
TRLs 5-8



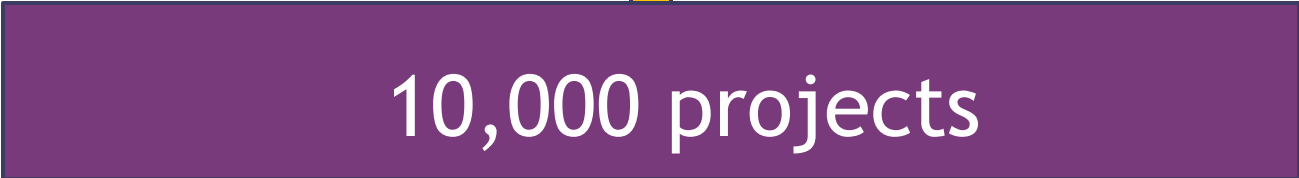
50%
(1,000)

DEVELOPMENT
TRLs 3-4



20%
(2,000)

RESEARCH
TRLs 1-2



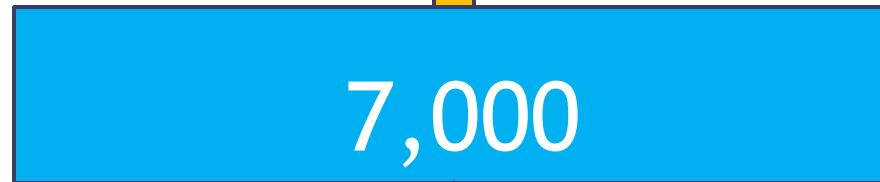
Ineffective R2A

APPLICATION
TRL 9



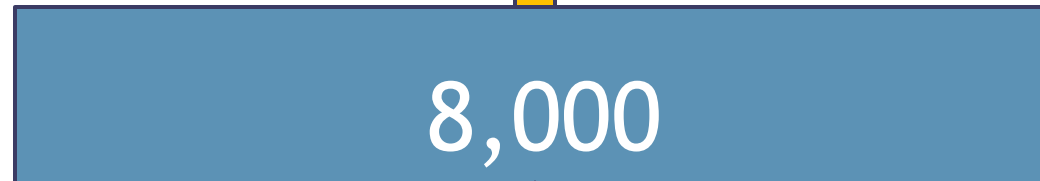
1%
(100)

DEMONSTRATION
TRLs 5-8



88%
(7,000)

DEVELOPMENT
TRLs 3-4



80%
(8,000)

RESEARCH
TRLs 1-2

