

NOAA/OAR Funding Opportunities for Transition



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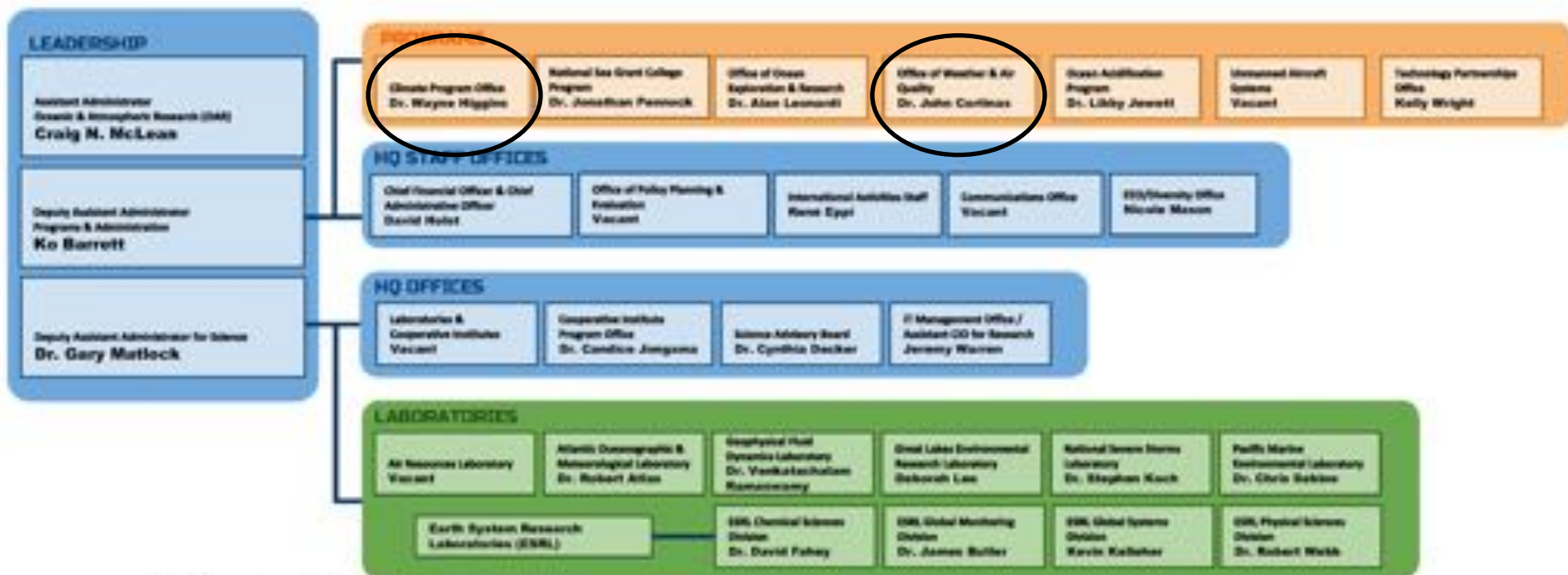
Director, Office of Weather & Air Quality
NOAA Office of Oceanic and
Atmospheric Research (OAR)

November 1, 2017



NOAA Office of Oceanic & Atmospheric Research (OAR)

Mission: Conduct research to understand and predict the Earth's oceans, weather and climate, to advance NOAA science, service and stewardship and transition the results so they are useful to society.



NOAA Research Organizational Chart
October 2, 2017

OAR/OWAQ Transition Activities

OWAQ transition funding supports improved high-impact weather products and services through the transition of research in modeling, observations, and decision support.

- **US Weather Research Program Testbed Funding**
- **Joint Technology Transfer Initiative (JTTI)**



US Weather Research Program: Testbeds

OWAQ Provides Research Funding to Develop and Demonstrate

Competition

- Three separate funding opportunities available every two years (~\$2M)
- Proposed 2-year projects are associated with NOAA's Hazardous Weather Testbed, Hydrometeorology Testbed, and Joint Hurricane Testbed
- Jointly planned and projects reviewed by OAR and NWS
- Next competition in late 2018

Tips

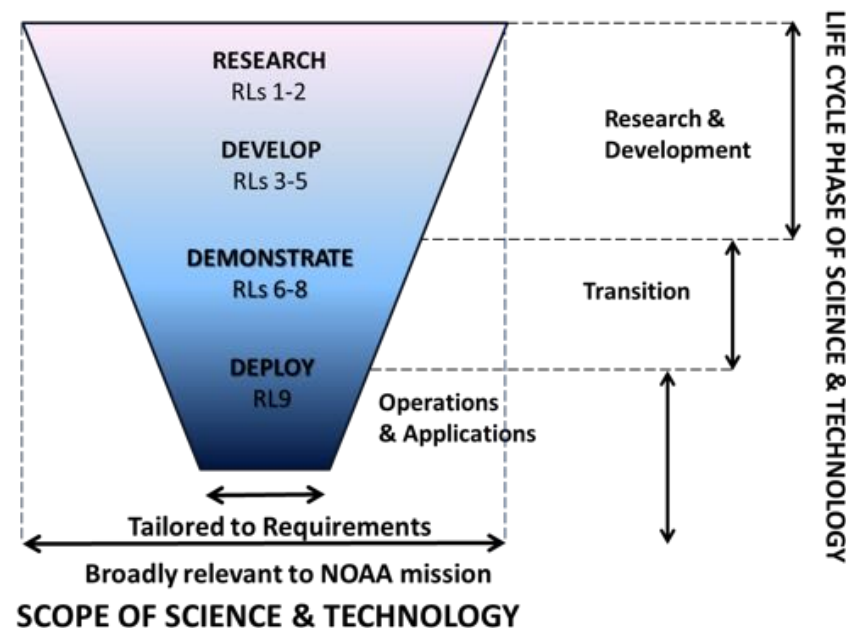
- Be familiar with NWS products, models, and use of observations and forecasting techniques
- Use community models, frameworks, observations that would benefit the weather community, including NOAA
- Focus on transition processes and methods of evaluation



Joint Technology Transfer Initiative (JTII)

OAR shall carry out this JTII, jointly and in coordination with the NWS, and in cooperation with weather industry and academic partners, to ensure continuous development and transition of latest scientific and technological advances into the operations of the NWS.

Weather Research and Forecasting Innovation Act of 2017



JTTI Funding Opportunity

Supports development and *transition* of research to improve operations

- Projects typically cover RLs 4-8
- Priority areas are determined jointly by OAR and NWS
- Extramural grant funding is not used to deploy
- Projects benefit the general weather enterprise, especially NWS operations
- Projects must include rigorous testing, evaluation, and management through multiple RLs; JTTI projects are not typical research projects
- Next funding announcement in November 2017, although FY18 funding is uncertain

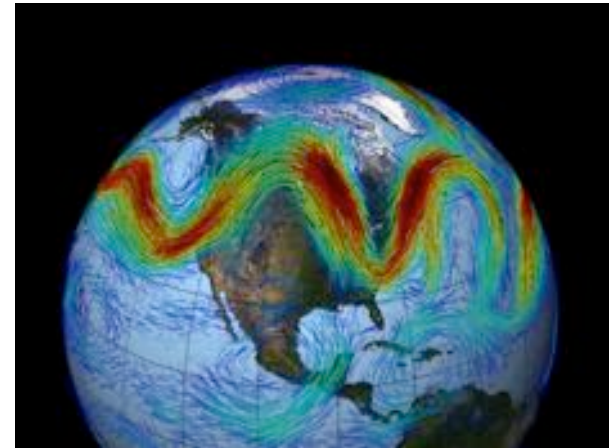


Image:
NASA

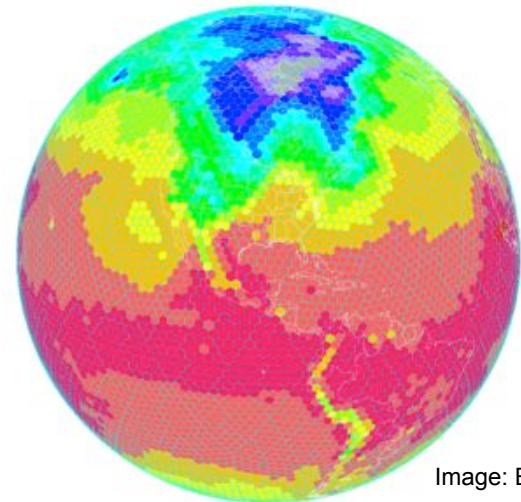


Image: ESRL/GSD

Summary

- OAR and NWS plan and execute programs jointly to ensure research that improves NWS products and services is transitioned into operations.
- OAR/OWAQ supports competitively selected projects that focus on development and demonstration of models, observations, and techniques that could improve NWS products and services.
- Transition projects are not typical research projects; instead, they have a heavy emphasis on moving applied research projects through a transition process.