

Geophysical Fluid Dynamics Laboratory Review

June 30 - July 2, 2009



GFDL Research and NOAA's Climate Goal

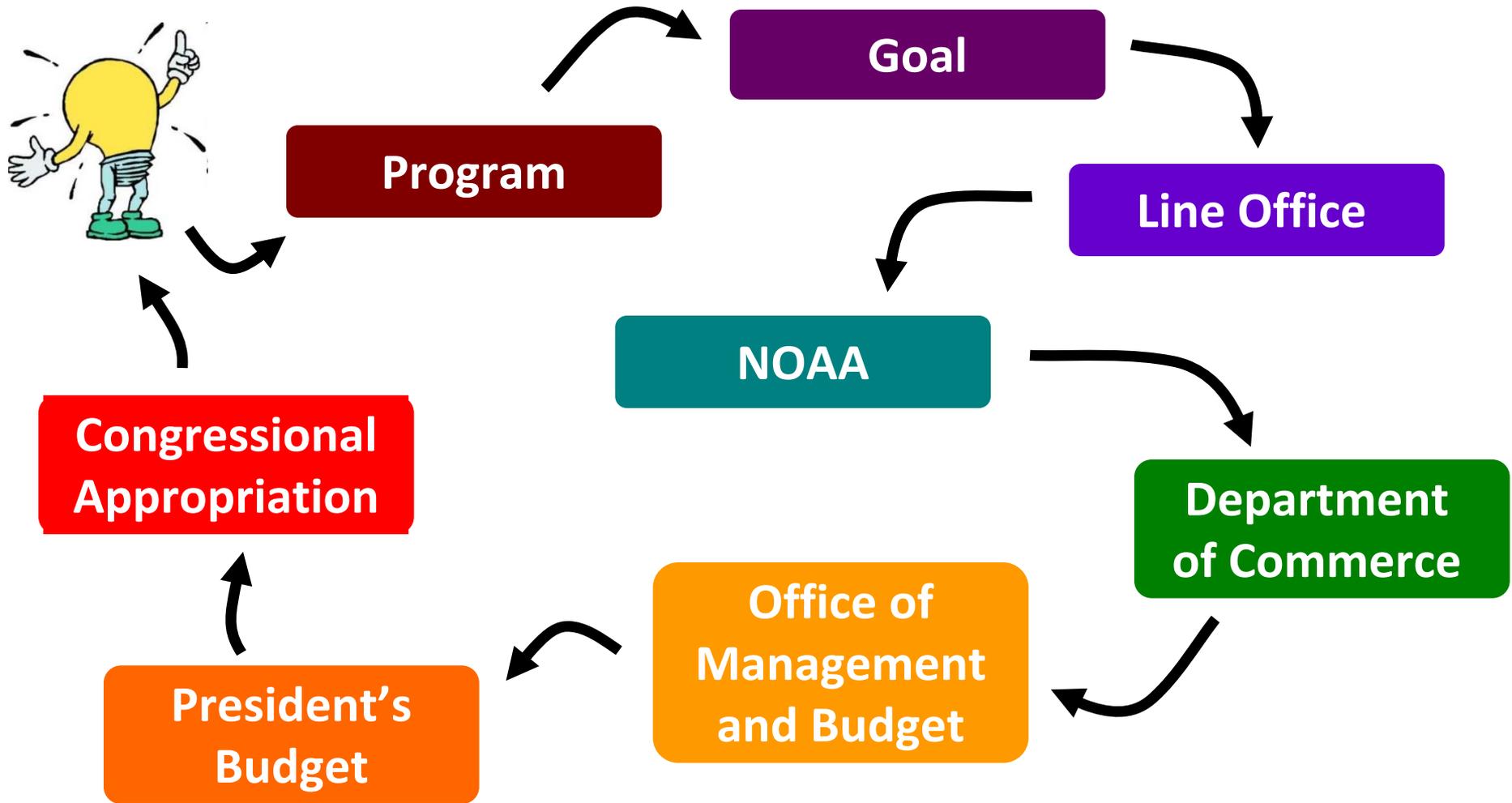
Presented by
Marian Westley

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Gaining support for a new GFDL initiative

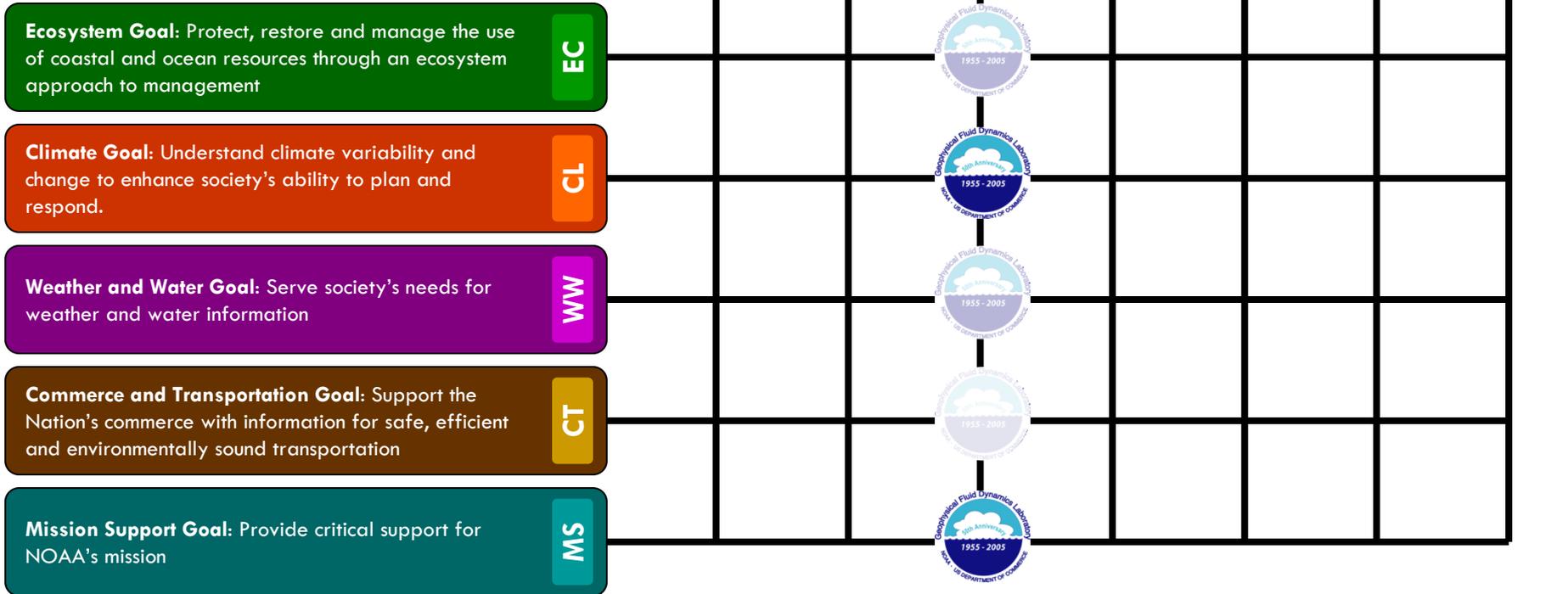


GFDL's home(s) in the NOAA Matrix

Mission Goals plan,
Line Offices execute

Mission Goals

Line Offices



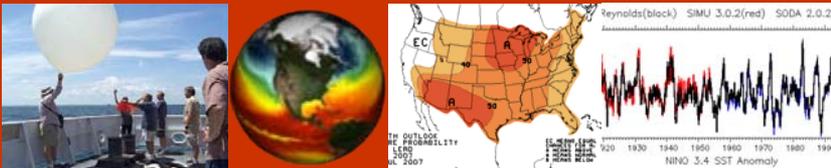
GFDL's home in the Climate Goal

Climate Goal: Understand climate variability and change to enhance society's ability to plan and respond.



Climate Observations and Monitoring

Describe and understand the state of the climate system through integrated observations, monitoring, and data management



Climate Research and Modeling

Understand and predict climate variability and change from weeks to decades to a century



Climate Service Development

Improve the ability of society to plan for and respond to climate variability and change

Recent GFDL Planning Successes

- **FY09-FY10: Climate Computing** included in the American Reinvestment and Recovery Act
- Enhanced **Decadal Climate Research** planned for FY10-FY14, included in FY10 Presidential Budget
- **Earth System Modeling** increases planned for FY11-FY15: sea level rise, Arctic climate change, extreme events, ocean acidification, biogeochemical feedbacks on climate and an ocean model backbone. High priority in Goal

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