

University of Maryland

Project Management Symposium

NEXT SESSION

The NOAA Approach to Enterprise P/PM Success

Darryl Frazier, Joseph Giraldi, & Richard Lashford

Division Director, Project Management & Enterprise Risk Solutions, NOAA Office
of the Chief Financial Officer (OCFO)

Management and Program Analyst, NOAA

Senior Adviser, Project Management & Enterprise Risk Solutions, NOAA OCFO



PROJECT MANAGEMENT
CENTER FOR EXCELLENCE

A.J. CLARK SCHOOL OF ENGINEERING
Civil & Environmental Engineering Department

This session will be recorded.

Project Management Symposium

The NOAA Approach to Enterprise P/PM Success

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**National Oceanic and
Atmospheric
Administration**



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A decorative graphic consisting of three overlapping arrows pointing to the right, colored red, yellow, and black.

Agenda / Journey Mapping

Gap Analysis

- What Resources are Available?
- Are PMs certified?
- What do Stakeholders need?

Enterprise PM Network

- Community of Practice
- FAC-P/PM Training
- Recognition Program

Program Management Council

- Strategic Partnerships
- Standardized Reporting
- Executive-level Information

Enterprise PM

- Employee Training and Resource needs are met
- Improvements to Executive Reporting
- Knowledge-sharing Community



The NOAA Enterprise PM Network

NOAA OCFO was tasked to develop and sustain a robust NOAA-wide Program and Project Management (P/PM) Initiative to support career development, collaboration and recognition opportunities, open to all employees, to better recruit, retain, and strengthen talent across NOAA for improved P/PM performance.



EPN Working Group Initiatives

Training & Development



- FAC-P/PM Certification Program
- Internal FAC-P/PM Instruction Program
- Certification and Non-Certification Training and Development
- Competency Development

Collaboration



- NOAA-wide, monthly Newsletters
- Community of Practice (Internal and External)
- Professional Speaker and Interactive Workshop Series
- PM Open Forums (new)

Recognition



- EPN Project Management Spotlight
- Individual, Team, Office Awards
- NOAA Awards Program
- Benchmark Excellent Practices
- Data Analytics





Background

Requirement

- To be compliant with PMIAA guidance and the Commerce Acquisition Manual, managers of major acquisition programs must be certified in FAC-P/PM.

What is FAC-P/PM?

- The Federal Acquisition Certification for Program and Project Managers (FAC-P/PM) program is for acquisition professionals in the Federal Government performing program and project management activities and functions. Program and Project Managers (P/PMs) are critical to project success - including developing accurate government requirements, defining measurable performance standards, and managing life-cycle activities to ensure that intended outcomes are achieved.

Training & Development

GOAL

Create a One-Stop-Shop for FAC-P/PM Training & Certification

Time/Money
Saved due to
Reduced
Need for
Vendor-Led
Courses

Increase in
Student
Interest due
to Cost
Avoidance

Plan
Sessions
Internally and
Limit Class
Size
Restrictions

Distribute
Continuous
Learning
Points (CLPs)
to Students

Utilize
DOC/NOAA
Examples in
Training
Sessions

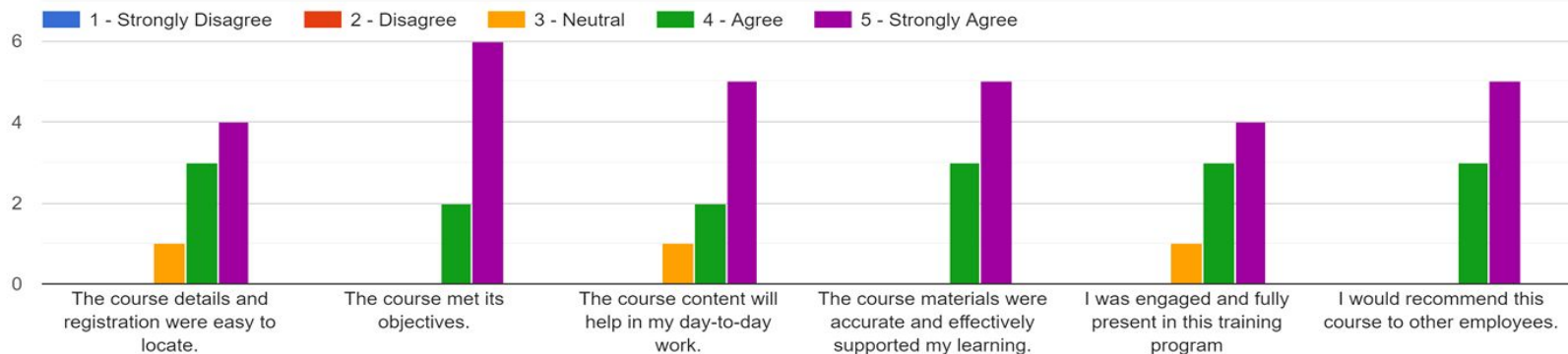
In-House FAC-P/PM Training

- In-house training program, using volunteer instructors from NOAA and Census that are certified in FAC-P/PM
- No cost or travel required for any student
- Ability to use real NOAA/DOC examples in training
- Students have the option to bring their own projects and activities to class to use as case studies

250 students enrolled and graduated (including Census/NTIS/DOC)

96% of students rated the course a “4” or “5” (1-5)

Taught 100% in virtual environment





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NOAA / UMD Collaboration



National Oceanic and Atmospheric
Administration



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- NOAA and UMD have frequently collaborated on continuous learning opportunities such as NOAA's Professional Speaker Series, PM Interactive Workshops, and PM Open Forums.
- Continue to pursue joint endeavors to enrich the PM environment throughout both institutions.



EPN Community of Practice

Enterprise PM Network Newsletter

- Monthly newsletter that is distributed at the beginning of each month to ALL NOAA employees/ Sent in coordination with the DUS/O's Office
- PM Spotlight- awarded each month for exemplary individual, project, or team (signed/presented by DUS/O)
- Upcoming training and CLP opportunity announcements/registration

Opportunities for Continuous Learning

- Interactive Forum
- Professional Development Speaker Series
- PM Mentoring Program

Resources

- EPN Community of Practice Google Space
- PM Landing Page in our LMS
- Templates
- Google Drive



NOAA

All NOAA Project and Program Managers, Aspiring Project Managers, and their Supervisors
OCFO PRSSO
Enterprise PM Network, October Newsletter - Recap of 9/15 Professional Speaker Series (JWD) Agile in Government, EPN Spotlight Recipient, CLPs and How to Use Them, DOC PPM Survey, Final CX Roadshow Event, Training & Development Announcements
10/3/2023

Enterprise PM Network Newsletter Vol. 51, October, 2023

Our mission is to develop and sustain a robust NOAA-wide Program and Project Management (P/PM) PMIAA Initiative to support collaboration, training and development, and recognition opportunities. It is open to all employees, to better recruit, retain, and strengthen talent across NOAA for improved P/PM performance.

Training & Development - Collaboration - Recognition

EPN Professional Speaker Series Recap:
Agile in Government with UMD's John Johnson

We thank everyone who joined the Enterprise PM Network on September 15th to listen to John Johnson from the University of Maryland Project Management Center for Excellence present on Agile in Government. Mr. Johnson gave an excellent overview on the different methods, theories, and strategies used for implementing an agile PM style in various government agencies. We also got to hear from a few of our own groups, NESDIS Common Cloud Framework (NCCF), and the Radio Frequency Interference Model (RFIM) presented by both agencies. The speakers of the Enterprise PM Network





NOAA Program Management Council

- NOAA's Program Management Council (PMC) is the leadership oversight function for Programs, Projects and Activities (PPA)
- Key forum for senior managers to engage and understand the risks, challenges, and successes of the organization's program execution and acquisition activities
- Major goals of the PMC include:

1

Provide integrated assessments of performance vs. plan for NOAA PPAs

2

Provide direction for corrective or alternative actions when necessary

3

Facilitate Milestone Approval and/or Key Decision Points (KDP) as needed

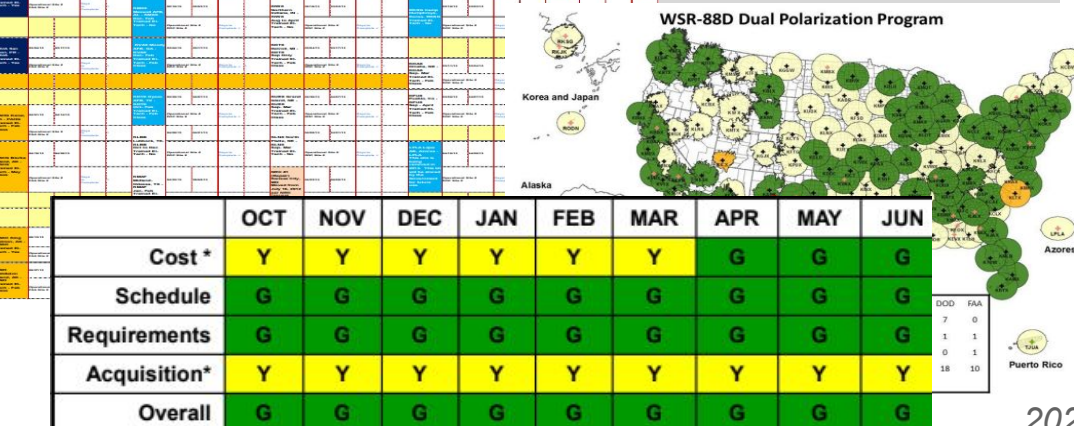
4

Provide organizational support at Program Manager request or PMC discretion



Our Challenge

Contract (DOC Only)							
FY11 Funds (Contract Option Year 3)	Deployment Status (*)		DOC Funding to GSA (**)	Obligated Funding (***)	Disbursements (\$K) (****)	Planned Cost (\$K) (*****)	
	12	completed of	12	planned	\$ 10,537,469.75	\$ 10,537,469.75	\$ 4,627,596.83
FY12 Funds (Contract Option Year 3)							
					15,899,000.00	\$ 21,768,692.04	\$ 20,831,661.23
					7,788,000.00	\$ 2,011,095.48	\$ 5,273,268.72



Presentation Format

- ✗ Large volume of slides
- ✗ Unfocused information

Presentation Level of Effort

- ✗ Manual template set up and replication
- ✗ High level of effort to manage, create and review slides

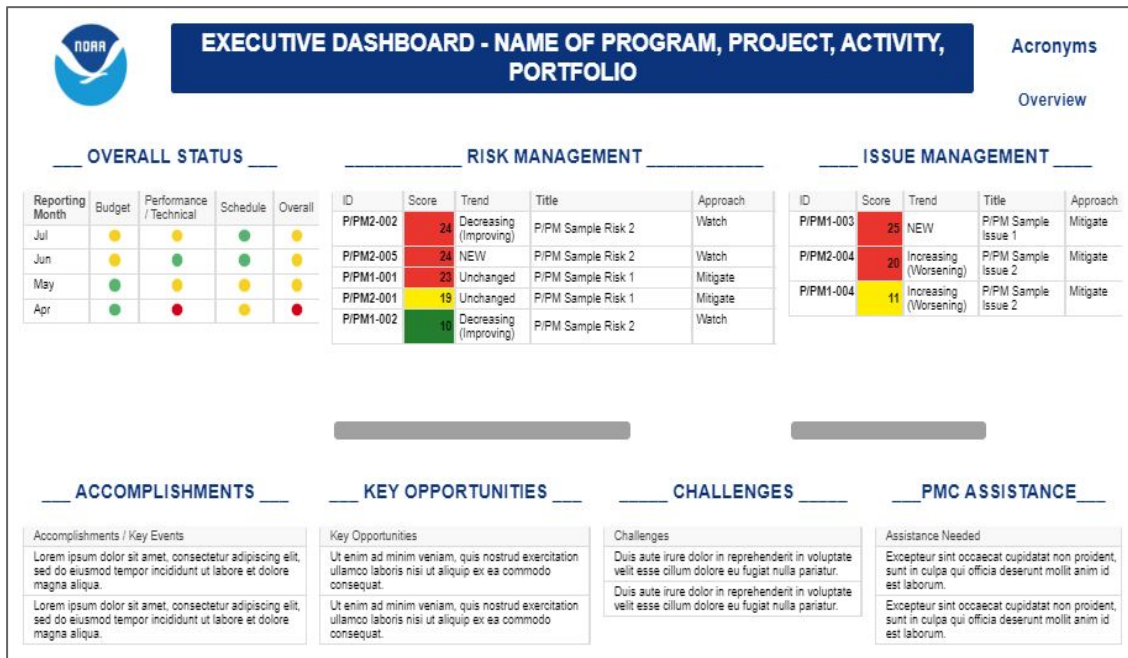
Presentation Format

- ✗ Large volume of slides
- ✗ Unfocused information





Solution Success



Presentation Format

- ✓ Standardized software solution
- ✓ Succinct Data Presentation

Presentation Level of Effort

- ✓ Automated Smartsheet buildout using Control Center Templates
- ✓ Reduced presentation development time
- ✓ Create-once-use-many model

Presentation Format

- ✓ Executive level presentation
- ✓ Reduced presentation time





Program / Project Management Data Compilation



Project
Plan



Project
Health



Risks and
Issues



Project
Budget

Data Sheets -
Link and
analyze data
with formulas

Reports
- Key Program/
Project Metrics
and Updates

PMC
Dashboard -
Reports and
Charts

**Individual
Project Status
Reporting**

**Datasheets Enable
Data Compilation
and Analysis**

**Reports Select
Required
Metrics**

**Dashboard Provides
Executive Level
Overview**



Program/ Project Management Data Compilation

Forms PHASE I - PROJECT HEALTH ☆

Grid View Filter Arial 10 B I U

Reporti... Month	Budget	Performan... / Technical	Sched...	Overall	Accomplishments / Key Events	Changes	Key Opportunities
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DEC	●	●	●	●	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.		Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.



Project Health

EXECUTIVE DASHBOARD - NAME OF PROGRAM, PROJECT, ACTIVITY, PORTFOLIO

Acronyms Overview

OVERALL STATUS

Reporting Month	Budget	Performance / Technical	Schedule	Overall
Jul	●	●	●	●
Jun	●	●	●	●
May	●	●	●	●
Apr	●	●	●	●

RISK MANAGEMENT

ID	Score	Trend	Title	Approach
PIPM2-002	24	Decreasing (Improving)	P/P M Sample Risk 2	Watch
PIPM2-005	24	NEW	P/P M Sample Risk 2	Watch
PIPM1-001	23	Unchanged	P/P M Sample Risk 1	Mitigate
PIPM2-001	13	Unchanged	P/P M Sample Risk 1	Mitigate
PIPM1-002	14	Decreasing (Improving)	P/P M Sample Risk 2	Watch

ISSUE MANAGEMENT

ID	Score	Trend	Title	Approach
PIPM1-003	25	NEW	P/P M Sample Issue 1	Mitigate
PIPM2-004	24	Increasing (Worsening)	P/P M Sample Issue 2	Mitigate
PIPM1-004	11	Increasing (Worsening)	P/P M Sample Issue 2	Mitigate

ACCOMPLISHMENTS

Accomplishments / Key Events

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KEY OPPORTUNITIES

Key Opportunities

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CHALLENGES

Challenges

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PMC ASSISTANCE

Assistance Needed

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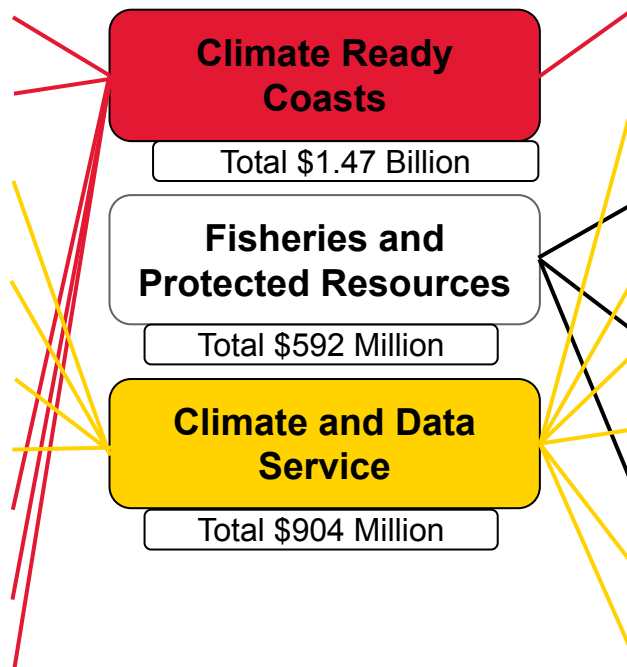


PMC Dashboard



Bipartisan Infrastructure Law (BIL) Structure (Provisions)

1. National Oceans and Coastal Security Fund grants
2. Habitat Restoration
3. Flood and Inundation Mapping and Forecasting
4. Water Resources Development Act data acquisition
5. Wildfire (ORF)
6. Soil Moisture and Snowpack Pilot Program
7. Marine Debris - NOS
8. Marine Debris - OAR
9. Coastal Zone Management (CZM)



10. National Estuarine Research Reserve System (NERRS)
11. Ocean and coastal observing systems (ORF)
12. Regional Ocean Partnerships
13. Consultations and permitting
14. Fish passage
15. Wildfire (PAC)
16. Research supercomputing
17. Ocean and coastal observing systems (PAC)
18. PCSRF





Bipartisan Infrastructure Law (BIL) Structure (Portfolios)

Portfolio	Provisions
Climate Ready Coasts National Ocean Service (NOS), National Marine Fisheries Service (NMFS), Oceanic and Atmospheric Research (OAR)	<ol style="list-style-type: none">1. National Oceans and Coastal Security Fund grants2. Habitat Restoration7. Marine Debris- NOS8. Marine Debris- OAR9. Coastal Zone Management (CZM)10. National Estuarine Research Reserve System (NERRS)
Fisheries and Protected Resources (NMFS)	<ol style="list-style-type: none">13. Consultations and permitting14. Fish passage18. PCSRF
Climate Data and Services National Weather Service (NWS), NOS, OAR, Office of the Chief Information Officer (OCIO)	<ol style="list-style-type: none">3. Flood and Inundation Mapping and Forecasting4. Water Resources Development Act data acquisition5. Wildfire (ORF)6. Soil Moisture and Snowpack Pilot Program11. Ocean and coastal observing systems (ORF)12. Regional Ocean Partnerships15. Wildfire (PAC)16. Research supercomputing17. Ocean and coastal observing systems (PAC)





Bipartisan Infrastructure Law (BIL) Structure



Enterprise PM Network*

A/PMC- NOAA's Program Management Council (PMC) is the leadership oversight function for programs, projects and activities. It is the key forum for senior managers to engage and understand the risks, challenges, and successes of the organization's program execution and acquisition activities

Risk Expert Network- Providing enterprise wide risk guidance, framework, templates, training and best practices to the NOAA Risk Community

Customer Experience- Understanding and enhancing the way that customers and partners experience NOAA's products and services

Economic Analysis- Increases NOAA's capabilities of providing sound analysis and information necessary to strengthen the NOAA leadership decision-making process.

Performance- NOAA provides performance and evidence reporting to the public in accordance with U.S. White House guidance, laws, and executive orders.





The Enterprise Approach

NOAA Enterprise PM Network

- P/PMs are developing the skills and competencies they need and receiving the appropriate FAC-P/PM certification
- Workforce is aware of upcoming opportunities and are engaged
- Sharing best practices and methodologies



Program Management Council

- Executives are spending less time reviewing overly-detailed reports
- By using standard reporting templates, LOs/SOs are able to refresh monthly data more efficiently
- Information sharing becomes easier between offices



Standardized Approach to Program and Project Management

- Result is a one-NOAA approach to program and project management
- When programs or projects begin to adopt enterprise-wide tools and training opportunities, time and effort is saved.
- Executive level-briefings are smoother more deliberate
- Model becomes a template for all NOAA Programs/Projects, not restricted to those who report to the PMC



Impact Tool



Program Enterprise Impact

Program POC

PMC Data



Program Health



Enterprise Impact





Lessons Learned and Opportunities

Lessons Learned from our Journey:

Use requirements to determine the solution, do not fit a predetermined solution to a set of requirements

Consider in-house options before outsourcing your needs

Consider a phased implementation approach for a smoother transition

Leverage internal partnerships for strategic success

Opportunities for Continued P/PM Enhancement in NOAA:

Opportunity for continued streamlining by use of BIL/IRA approach

With Enterprise Dashboards, and a standardized approach to P/PM, executives can make more informed decisions, and have more time to focus on issues/risks

Continuing to offer information and events to an actively engaged P/PM workforce (newsletter, Interactive Forums, etc.)

Cohesive reporting that takes into account risk, economic impacts, performance, customer experience, and stakeholders



Q & A

Contact the team

Robert.frazier@noaa.gov

Joseph.Giraldi@noaa.gov

Richard.Lashford@noaa.gov





Evaluate Session

