A Virtual Watering Hole for NASA Project Managers

Junilla Applin, NASA HQ
Len Sirota, NASA HQ
Manson Yew,
Jet Propulsion Laboratory, California Institute of Technology
• What do program and project managers need to succeed and grow at NASA?
Question?

• What do program and project managers need to succeed and grow at NASA?

Management support

Funding

Great programs and projects to manage

Luck

Management tools

Good staff

Consistency

More time

Adequate resources

Authority

Training

Communication

Technology

Success criteria

Clear direction or guidance

Best practices

Timely risk assessment

Financial system that works
• “…governance model, standards, clear lines of authority, open communications, and enhanced training represent real steps forward in fostering engineering excellence.”

  » Chris Scolese, NASA Associate Administrator
What is a Community of Practice?

Communities of Practice (CoPs) are groups that form to share what they know, and to learn from one another regarding some aspects of their work. Although the term “Community of Practice” is new, CoPs are not. Such groups have been around ever since people in organizations realized they could benefit from sharing their knowledge, insights, and experiences with others who have similar interests or goals…The business case for CoPs is this: for a quite modest investment in terms of today's resources, organizations can reap huge rewards in terms of tomorrow's results.

Who Sponsors the PPM CoP?

- Sandra Smalley, Director, Engineering Program and Project Management Division, NASA Office of the Chief Engineer
  - NPR 7120 series
  - Software Engineering
  - Systems Engineering
  - Program Project Management Board
Objective of NASA Program and Project Management CoP

- Provide Virtual Collection of NASA PPM Resources, including
  - Institutional Requirements
  - “How-To’s”
  - Training
  - Lessons Learned and Best Practices
  - Templates and Examples
  - Frequently Asked Questions
  - Experts and practitioners
  - Facilitated community

*NEN resources are only available internally to NASA*
## What does the PPM CoP Provide?

<table>
<thead>
<tr>
<th>For</th>
<th>Provide</th>
</tr>
</thead>
<tbody>
<tr>
<td>People who know program and project management</td>
<td>NASA Specific Requirements, Advanced Training, Lessons Learned and Best Practices, Community of other experts, Up to date announcements</td>
</tr>
<tr>
<td>People who wish to learn program and project management</td>
<td>NASA Specific Requirements, Training, Community of PPM experts</td>
</tr>
<tr>
<td>People who are doing program and project management</td>
<td>NASA Specific Requirements, Center requirements and resources, Up to date announcements, Templates and Examples, Lifecycles</td>
</tr>
<tr>
<td>People supporting program and project management</td>
<td>NASA Specific Requirements, Resources, Templates and Examples</td>
</tr>
</tbody>
</table>
Three Ways to Approach PPM CoP

• Narrative -- Guided tour of PPM at NASA

• Reference -- Just-In-Time information and resources

• Interactive Community -- Learn from other practitioners; Give back to NASA knowledge base
LIVE DEMO OF PPM COP
Access PPM CoP from NEN
Institutional Requirements
- NPD 7120.4D
- NPR 7120.5
- NPR 7120.7
- NPR 7120.8
• Supporting Information

Screen Shot from NEN
• PPM Lessons Learned
Narrative (cont)

- Training

Screen Shot from NEN
• NASA Review Process

Screen Shot from NEN
• NASA Review Processes Overview

Screen Shot from NEN
• NASA Standing Review Board

Screen Shot from NEN
Narrative (cont)

- Center Resources

Screen Shot from JPL Project Support
• What is needed and when is it needed?
References (cont)

- PPM Acronyms

Screen Shot from Project Support
References (cont)

- Reading Room

**PPM Articles re: 7120.50 (from ASK Magazine)**

<table>
<thead>
<tr>
<th>Type</th>
<th>Title</th>
<th>Owner</th>
<th>Edited</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.</td>
<td>ASK Article — &quot;A Look Under the Hood of NPR 7120.50&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>by Mike Blythe</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.</td>
<td>ASK Article — &quot;Developing Engineering Excellence for Program and Projects&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>by Chris Soodles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.</td>
<td>ASK Article — &quot;Safety and Mission Assurance: Independent Yet Engaged&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>by Bryan O'Connor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.</td>
<td>ASK Article — &quot;Exploration Systems Mission Directorate and 7120.50: Enabling Exploration&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>by Garry Lyles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E.</td>
<td>ASK Article — &quot;The Role of Governance&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>by Dr. Michael D. Griffin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F.</td>
<td>ASK Article — &quot;Documented Experience: Re-defining Project Management Processes&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>by Don Cohen</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G.</td>
<td>ASK Article — &quot;Interview with Rob Manning&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>by Don Cohen</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PRESENTATIONS**

- What's New with NPR 7120.50 — Mike Blythe
- Preparing for a NPR 7120.50 Life-cycle Review — Randall Taylor
- IT Project Success with 7120.50 and 7123 — Tina Walley
References (cont)

• Videos/Multimedia

Screen Shot from NEN
Interactive Community

- Polls

Screen Shot from NEN
Interactive Community (cont)

• Find technical staff at other centers
Interactive Community (cont)

• Hold discussions with other PPM’s

Screen Shot from NEN
• Ask questions of experts
Interactive Community (cont)

• Feedback to NEN, OCE, HQ

Screen Shot from NEN
Conclusion

• Summary of current offerings to support NASA PPM expertise

• It is a work in progress

• NASA committed to developing and growing PPM resources
What else do you need from a virtual watering hole?

• Help us help you
• This is your community
• Let us know needs, likes/dislikes

Please fill out the survey!
• Visit us at the OCE Booth in the PM Challenge Exhibit Hall

• Junilla Applin, <junilla.i.applin@nasa.gov>

• Len Sirota <Len.Sirota@nasa.gov>

• Manson Yew, <Manson.Yew-1@nasa.gov>