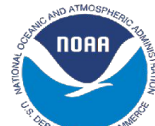


MFP Update

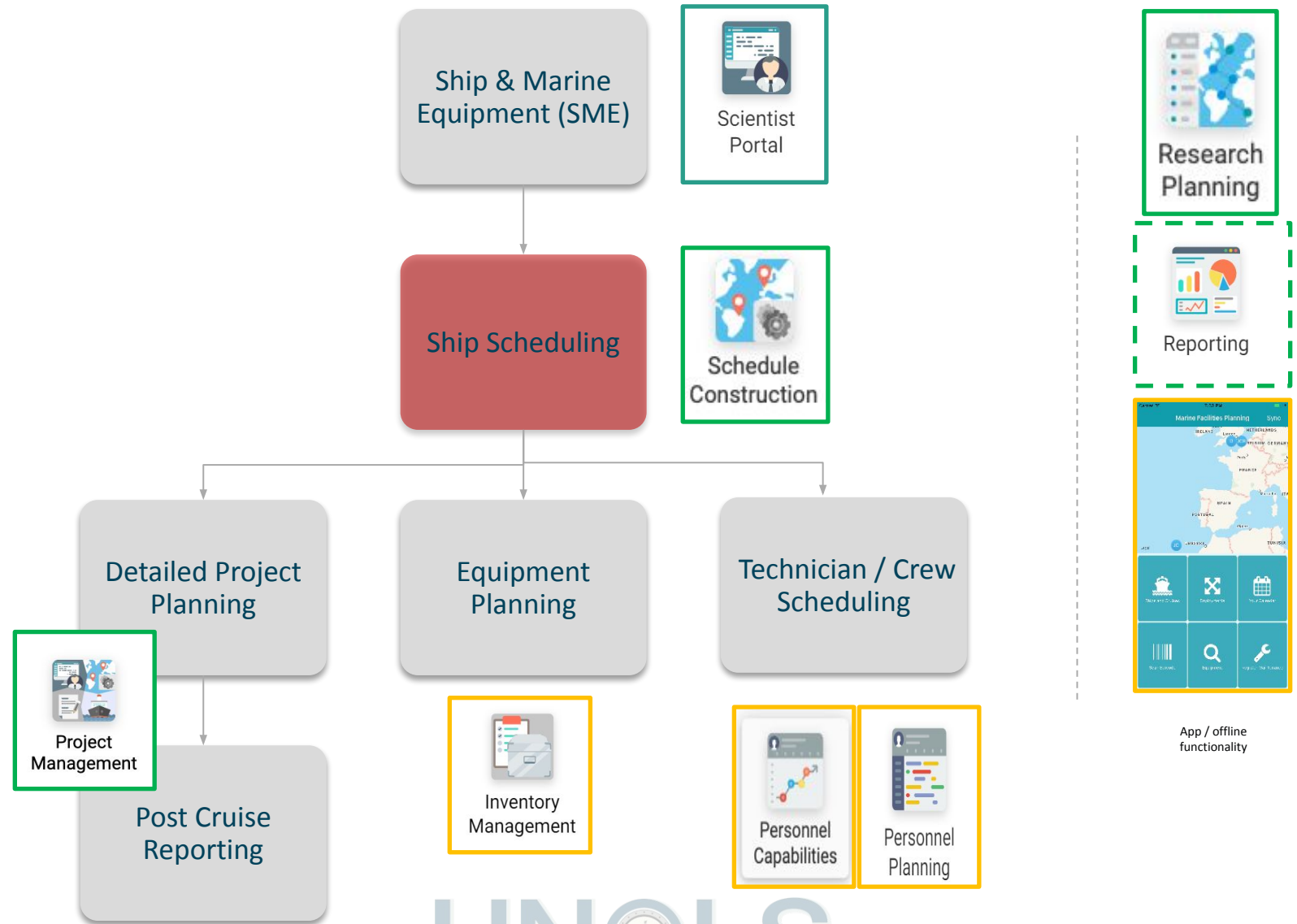
2024 Annual RVTEC meeting

22 Oct 24



Marine Facilities Planning – MFP

www.mfp.us



Workflow?

What's a
Workflow?



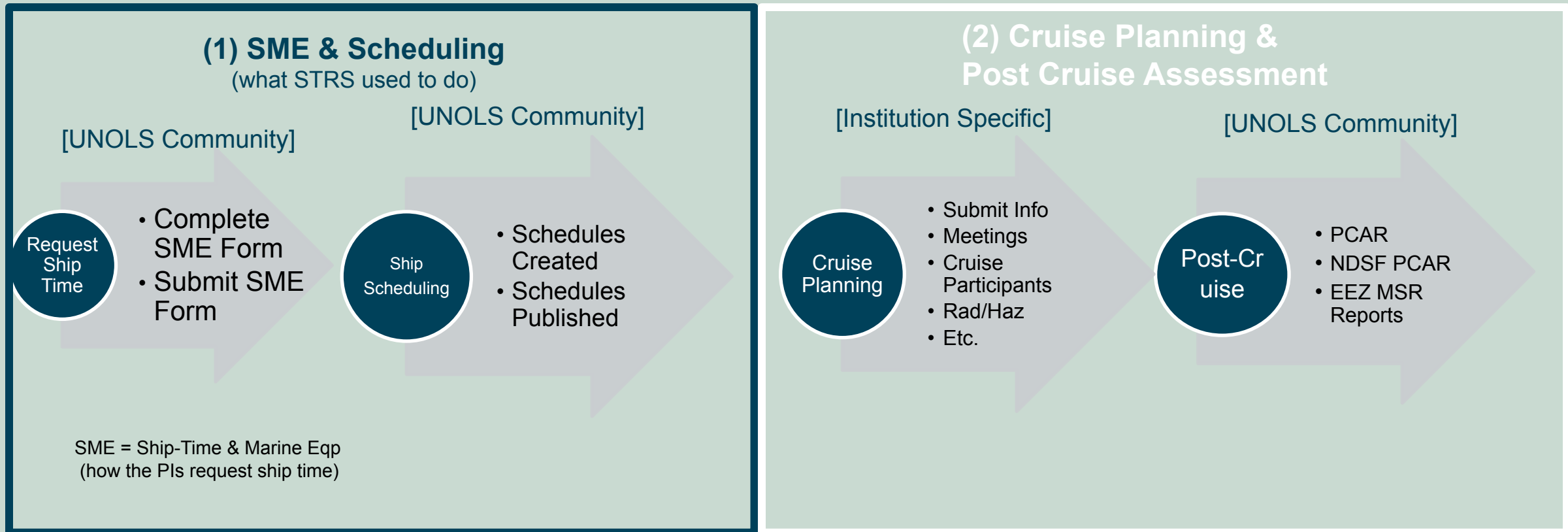
A workflow is a series of steps for the project to follow.

2 workflows per scheduled project

- SME/Scheduling Workflow - Community
- Cruise Planning – Specific per institution

U.S. ARF WORKFLOW PROCESS

The basic steps that need to happen as we plan cruises



Science Portal



- How the scientists interact with MFP
- **Updated, more modern, GUI coming soon**
- Coming out of the other side **PIs are asking fewer questions**

Project
Management /

Minimal Cruise
Planning

All Ships are using at least a *minimal* Cruise Planning workflow

- Personnel, Post Cruise
Assessment Report (PCAR)

Project Management / Comprehensive Cruise Planning

Current Institutions

- Scripps – Ride, Revelle, Sproul
- UW – Thompson, Rachel Carson
- UAF – Sikuliaq
- UH – Kilo Moana
- WHOI – Armstrong, Atlantis
- Uminn – Blue Heron

Both Global/Ocean (BIG) vessels as well as Coastal/Local (smaller)

- Can be modified to meet your ships needs

Project Management / Cruise Planning

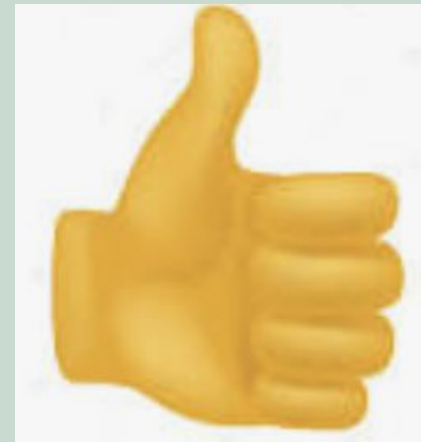
HIGHLIGHTS

- All of Cruise Planning information is in one place for everyone who needs it
- All Participant information is collected through MFP – personal info, medical, forms, etc
- **Scientists are learning and appreciating the system.**



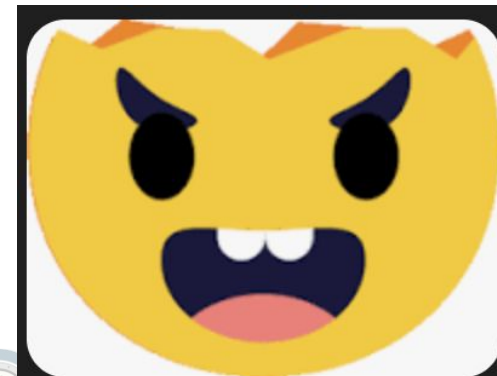
Recent REVELLE PCAR:

“Lastly, I appreciate the MFP system for the pre-cruise logistics. I am (finally) getting the hang of the workflow. MFP is a very useful tool for wrangling the Science Party to fill out our forms and for getting the necessary info to the Operator and Ship.



Schedule Construction

- It's complicated!
 - # of Ships
 - The **volume** of scientists & requests
 - The **way** we schedule
 - The **numerous funding agencies**
 - The **accounting practices** unlike any other country on the planet!



Schedule Construction (cont).

- Process Improvement
 - Better input of tickets
 - More transparency around tickets
 - Improved system testing
 - More documentation – history, roll-out



What's
coming....

Project Support Plan

- Working with Cruise Planners, funding agencies, and eventually scientists to develop some sort of cruise planning agreement

How is the ARF starting?

- Evaluating
 - The problem
 - Resources available
 - Solutions – automation – but how?



What's
coming....

Inventory Management

- Built to track scientific equipment and instrumentation and anything associated with it
- Used successfully all over the world
- Very capable, robust and powerful



How is the ARF starting?

- Creating Connectivity with CORIOLIX
 - Using the SKQ as a starting point
- Will replace the public-facing inventory that used to be in STRS

What's coming... (cont.)

Personnel Planning

- Personnel scheduling (techs & crew) linked to the online schedules
- Personnel schedules are updated as the ship schedules are update
- Phone app available for users to view their schedules.

How is the ARF starting?

- UH/KM interested in testing

Other Available Modules

Research Planner Module

- Tool at assist in planning cruise locations
- In use by scientists & schedulers

Reporting Module

- Currently – PCARs, Funding Day, Year Review, NDSF Schedule
- Capable of more – currently not the focus

Personnel Capabilities Module

- Tracking licenses
- Certificates
- In-House training



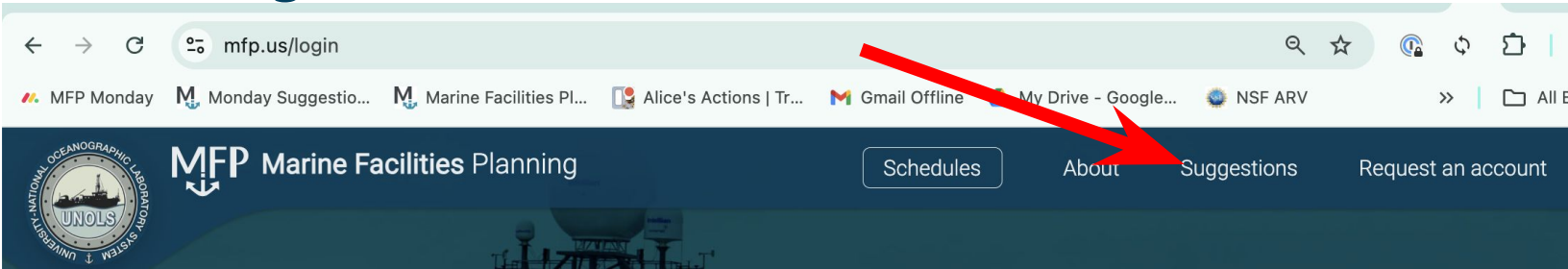
We have more MFP Help!

Need an MFP tour? An MFP refresher? Can't find what you are looking for? Something doesn't work? Want to look into using MFP further?

Stefani Martynenko

Stefani@unols.org

See a bug or have an idea for a new feature?



Questions?

Stefani Martynenko

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Alice Doyle

Alice@unols.org

www.mfp.us