Best Practices & Pre-cruise Planning

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Best Practices

- Developing Marine Technician Best Practices within the fleet to serve as a tool for technicians and to standardize operations and data collection where applicable.

This will:

- Provide help to inexperienced technicians
- Help to capture some of the expertise within the fleet
- Help ensure that the best possible data is being collected
Best Practices Documentation

Some areas under consideration for Best Practices Documentation:

- Multibeam
- ADCP
- Echosounders
- CTD
- Gravimeter
- Magnetometer
- TSG and other underway data systems

- HiSeasNet / FBB
- Met data
- MOCNESS
- Piston Coring
- Box Coring
- Gravity Core
- Other?
Best Practices

- Best Practices would be collected on a single website.
- The documentation is going to be coordinated through me but controlled by those who know it best (experts within the fleet).
- This is not to be a replacement for training and education but is an addition to.
- The Best Practices are there as a tool for the technician, especially new technicians within the fleet.

- How are we going to keep this information current?
Pre-Cruise Planning

What is my point?

1. Educate about the Ship Time Request System
2. Look for areas to improved the STRS
3. Discuss the Technical Services Information (TSI)
4. Investigate Cruise Planning systems and the potential for further Cruise Planning databases within the fleet
Pre-cruise Planning

Proposal Phase
Early Project Information
(STRS – schedules, project info)

Informing the Scientists
(Cruise Planning Manuals, institution websites, STRS- TSI)

Cruise Planning Systems
(Planning Worksheets, Databases, Planning Meetings)

Cruise Science Plan
STRS Quick Overview

- More than just scheduling information!

  - [https://strs.unols.org/Public/diu_login.aspx](https://strs.unols.org/Public/diu_login.aspx)
STRS

- Could we make this even more useful?
  - Require more fields –
    - Summary of Field Work
    - Summary of Facility Requirements
  - Streamline some of the Facility Information

Pre-Cruise Planning
Pre-cruise Planning

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Cruise Planning Systems
(Planning Worksheets, Databases)

Cruise Science Plan
Technical Services Information (TSI)

- History
- Current Entry
  - 5 Ships are published
  - 8 ships have information in the system that is unpublished
  - 8 ships have not entered any information

- How do we proceed?
Pre-cruise Planning

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Cruise Planning Systems
(Planning Worksheets, Databases)

Cruise Science Plan
Planning Databases

- Collect all the pre-cruise information under 1 umbrella
- Collect the data in an organized fashion
- The system is dynamic
- Keep everyone informed throughout the process
- Data is consistent (same questions & forms are requested)
- There is a historical record of the support provided
Planning Databases

Examples:

WHOI: http://www.whoi.edu/cruiseplanning/login.do

URI: http://techserv.gso.uri.edu/CruiseQ/QairSplash.asp

USCG: http://www.icefloe.net/forms_cp.html

Could we develop a common backbone with specifics for different institution? (ie is there interest?)
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Cruise Planning Systems
(Planning Worksheets, Databases)

Cruise Science Plan
Science Planning Summary

- Outstanding Issues
- Cruise Plan
- Cruise Track
- Major Systems provided & specifics on use
- Participant Information
- Permits
- Computers & IT Support
- Ancillary projects
- Cargo
- And more!
Summary

- Lots of ideas
- Lots of energy to implement
- Always open to Suggestions & Comments

QUESTIONS?

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