MDMS Phase 3: Scalability, Reporting and Metadata [aka MDMS 3.0]

FY 2013 Proposal

Lauren Dolinger Few
Created: 05/13/2015
1. Overview

1.1. Sponsor
Lauren Dolinger Few

1.2. Focus Group
Information Management

1.3. Background
The MRIP Data Management Standard (MDMS) is a web-accessible data and project management application. MDMS was developed initially in 2008 (i.e. MDMS 1.0) for the management and standardization of MRIP data. In 2010, the NMFS Data and Information Management Policy Directive was released, requiring all NMFS funded projects to publish metadata and data within 1 year of collection. The IMT recognized the time burden that preparing documentation and reports places on project leads. MDMS 2.0 replaced the legacy project proposal and plan templates used within MRIP. As of 2012, MDMS also serves the public with transparent access to MRIP projects, processes and progress.

1.4. Project Description
MDMS 3.0 will expand the system to focus on three specific areas: collect additional information management details and integrate with the NMFS Information Portal (InPort) metadata repository to fulfill increasing information management requirements, enhance project workflow and reporting functionality, and build a scalable framework to allow for broader use of MDMS for project and metadata management by other MRIP teams.

1.5. Public Description

1.6. Objectives
Expand MDMS to:
• collect additional information management details,
• enhance project workflow and reporting functionality,
• and build a scalable framework

1.7. References

2. Methodology

2.1. Methodology
Redesign the database to allow for customization of fields and functions based on program entity. The design should make the application more scalable for use by other MRIP teams. Update the interface for more intuitive use. Create a form for project reporting, similar to project proposals/plans.

2.2. Region
Alaska, Caribbean, Gulf of Mexico, Mid-Atlantic, North Atlantic, Pacific, South Atlantic, Western Pacific Islands

2.3. Geographic Coverage

2.4. Temporal Coverage

2.5. Frequency

2.6. Unit of Analysis

2.7. Collection Mode

3. Communication

3.1. Internal Communication
NA

3.2. External Communication
NA
4. Assumptions/Constraints
4.1. New Data Collection
N
4.2. Is funding needed for this project?
Y
4.3. Funding Vehicle
S&T, pre-funded, no new funds necessary
4.4. Data Resources
4.5. Other Resources
All NMFS or NMFS contractor staff.
4.6. Regulations
4.7. Other

5. Final Deliverables
5.1. Additional Reports
5.2. New Data Set(s)
5.3. New System(s)

6. Project Leadership
6.1. Project Leader and Members

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Title</th>
<th>Role</th>
<th>Organization</th>
<th>Email</th>
<th>Phone 1</th>
<th>Phone 2</th>
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<tbody>
<tr>
<td>Lauren</td>
<td>Dolinger Few</td>
<td>IT Specialist</td>
<td>Team Leader</td>
<td>NMFS</td>
<td><a href="mailto:Lauren.dolinger.few@noaa.gov">Lauren.dolinger.few@noaa.gov</a></td>
<td>301-427-8127</td>
<td></td>
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<tr>
<td>Alvin</td>
<td>Fagan</td>
<td>Java developer</td>
<td>Team Member</td>
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<td>Mukta</td>
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<td>Hussain</td>
<td>Jabalpurwal a</td>
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<tr>
<td>Scott</td>
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7. Project Estimates
7.1. Project Schedule
7.2. Cost Estimates

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7.2. Cost Estimates

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8. Risk

8.1. Project Risk

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<th>Risk Description</th>
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9. Supporting Documents