

Request for Proposals (RFP) for the FY21 National Regional Sediment Management (RSM) Program

RSM implements innovative management strategies to optimize the use of sediment and improve the management of projects across a region and across business lines. The RSM Program supports initiatives that develop and demonstrate sustainable practices that systematically increase benefits and reduce lifecycle costs for the Corps' Navigation, Flood Risk Management, and Environmental missions. Through these initiatives, RSM practices enhance the planning, engineering, construction, and operation and maintenance of existing Federal projects and provides the foundation to integrate RSM practices into new Federal projects. RSM also provides opportunities to collaborate with stakeholders and other agencies to leverage resources, share technology and data, and develop and implement innovative solutions to improve regional utilization and management of sediments. Through RSM we have organized Product Delivery Teams, established relationships with stakeholders, applied regional models and tools, established enterprise databases to enable sharing of data, developed regional knowledge and understanding of sediment transport, and developed regional strategies. While these efforts will continue, the focus is to apply this knowledge to take action, move sediment, practice adaptive management, and identify and quantify value added and benefits.

Proposals seeking FY21 funding from the RSM Program will be accepted until **26 June 2020**. RSM Proposals shall be submitted through the following process:

- 1) District RSM Program Point of Contact (POC) coordinates and submits proposals to the District Navigation Chief for review.
- 2) District Navigation Chief or DPM submits proposal to the MSC RSM POC.
- 3) MSC RSM POC makes recommendations to the MSC Navigation Business Line Manager.
- 4) MSC Navigation Business Line Manager submits proposals to the HQ Navigation Business Line Manager, with copy furnished to the RSM Program Manager, Dr. Katie Brutsché (Katherine.E.Brutsche@usace.army.mil).

Please note: RSM is an O&M funded research program; therefore, proposals are submitted through the Navigation business line for approval. However, proposal topics need NOT be limited to Navigation related issues. As stated above, RSM seeks to work across business lines in order to efficiently and effectively manage sediment. Proposals that address the goals of RSM in any business line (i.e. Navigation, Flood Risk Management, and Environmental etc.) will be considered.

Districts are encouraged to include ERDC/IWR scientists on the PDT. Proposals which are collaborative with the research laboratories should be coordinated with the researchers to ensure the tasks, schedule, and budget are appropriately scoped.

FY21 proposals will be selected based on the following criteria:

- 1) Supports RSM Principles and Practices.
- 2) Stakeholder/partner/resource agency communication and collaboration: hold/participate in a meeting with a diverse group of stakeholders/partners/resource agencies to convey RSM principles and practices and identify/implement RSM opportunities.
- 3) Takes action to move sediment in a manner that optimizes use.
- 4) Reduces lifecycle costs in the Navigation, Flood Risk Management, and/or Environmental Restoration missions.
- 5) Produces innovative solutions such as:

- links multiple projects and leverages across business lines;
 - leverages other Federal and non-Federal projects and programs;
 - develops new adaptive management capabilities or techniques.
- 6) Utilizes/enhances existing Corps tools, databases, capabilities, and builds Corps technical expertise.
 - 7) Adds value to the nation such as:
 - Transferable products, shared knowledge, new or enhanced tools, benefits commercial use projects, or results in cost savings and increased benefits.
 - 8) Technical Transfer:
 - Communicate lessons learned and best management practices;
 - Publish results;
 - Conference briefings and publications;
 - Demonstrates benefit of actions;
 - Participation in RSM IPR and workshop (Mandatory);
 - Newsletter articles to an organization that advocates RSM;
 - Completion/submission of past milestones, products, and expenditure of past funding.

All proposals shall be submitted using the following FY21 RSM Program proposal template and limited to 6 pages.

District:

Initiative Title:

Geographic Coordinates of Initiative Location:

District and ERDC/IWR (if applicable) POC: Name, Office Symbol, Title

MSC RSM POC: Name, Office Symbol, Title

Technical POC: Name, Office Symbol

Financial POC: Name, Office Symbol

ERDC POC (if applicable): Name, Office Symbol

Bottom Line Up Front (BLUF): Brief summary of the project and benefits of the proposed initiative.

Figure 1. Location of RSM region or initiative(s)

1) Background: Narrative description of the initiative; description of the problem or challenge to be addressed to improve, assist, or benefit the Navigation, Flood Risk Management, and Environmental Restoration missions regarding sediments and regional management; what technologies/capabilities need to be developed or upgraded; etc.

2) Regional Framework: Description of how this effort fits into a larger regional framework by providing a better understanding of a sub-region; providing the opportunity to bring together otherwise smaller individual projects/efforts; supplementing gaps/information; and actions to implement improvements or making changes to current practices to manage and use sediment. Districts should strive to complete efforts in 1-2yrs. Note: program funding is determined annually, therefore there is no guarantee a multi-year effort can/will be supported.

3) Leveraging Opportunities: Discuss opportunities to leverage resources with other projects, programs, business lines, federal and non-federal agencies, etc. This includes data, models, analysis, tools, man power, funding, etc.

4) Potential Value Added: Discuss the potential cost savings or monetary added value this RSM initiative will add to any of the Navigation, Flood Risk Management, or Ecosystem business lines and whether savings can be classified as long term, short term, or both. If savings or value cannot be monetized, discuss other types of value added such as habitat value etc.

5) Stakeholder Participation: Discuss the involvement and/or collaboration of stakeholders and partners which would participate in this initiative.

6) Accomplishments to Date: Proposals that are a continuation of previous years funding should include a detailed description of all tasks and deliverables completed to date.

7) Sediment Moved *through RSM*: Provide volume of sediment moved through previous years RSM collaboration and efforts, and potential volume of sediment to be moved through FY20 RSM collaboration and efforts.

8) Proposed FY21 Tasks: A description of each task that will be undertaken with FY19 funds, including identification of collaboration, leveraging resources, participating partners, and work to be done in-house and by contract.

Task 1: Title

Description:

Benefits:

Cost:

Products:

9) Deliverables: A list of deliverables with dates for submittal including a technical note documenting the initiative and lessons learned, reports, conferences, meetings, model evaluations, Sediment Budget Analysis System (SBAS) files (Desktop, Arc10, Web-based) for Districts creating/updating sediment budgets, RSM strategy, etc.

Deliverables: (examples)	Date
Reports, Technical Notes, Conference Papers, etc	X/X/21
Stakeholder Meetings	X/X/21
Workshops, briefings, etc	X/X/21
Results of applying Tools and Capabilities or developing Tools and Capabilities	X/X/21
SBAS file submittal	X/X/21
Schedule to implement actions or adaptive management strategies	X/X/21
Etc	

**Please note this can be directly copied from your 2101

10) Budget and Schedule: Budget and expenditure schedule by in-house, other USACE, contracts, etc for the proposed tasks. All tasks are to be completed and funds expended by 30 September 2021.

FY21 Budget Schedule:

Task	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Task Total
1													
2													
...													
Monthly Total													
Total													

PROPOSED FY21 FUNDING (dollar amounts):

INHOUSE	0
Other USACE	0 (provide other USACE if known)
CONTRACTUAL	0 (provide contractor if known)
Other	0 (brief explanation)
TOTAL	0

11) RSM Team: List the RSM Team members (District, Division, ERDC, IWR, Stakeholders and Partners) with office symbol and title.