

Full proposals must be submitted via this [online application system](#), and they cannot be submitted without LOIs. Proposals submitted by other means (including mail, fax, or e-mail) will not be considered.

# Understanding Gulf Ocean Systems 3

## Full Proposal Form

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You may click "Save and Continue Editing" at the bottom of the screen at any time. Please note that after clicking, you might receive an error notification that you have not responded to all required questions. However, you should also see small text in the bottom of the task list on the left that begins "Last edited" with a timestamp of when you last saved your progress. This indicates that the application was saved successfully.

To download this form, click the three dots in the upper right corner of the form and click "Download."

When the form is complete, you may click "Mark As Complete" at the bottom of the page to save your work.

**Please remember to view the RFA on our website for complete instructions on submission.**

**Full Proposal Due: August 3, 2021, 5:00 PM ET**

*\* denotes required fields*

**Submitter: [user first name] [user last name]**

**Application ID: [A-XXXXX]**

**Although the information provided in the LOI is considered to be non-binding, it is expected that Full Proposals will reflect the goals, objectives, and general approach laid out in the LOI, that the applicant remains the same, and that the end-users include those initially proposed.**

### **I. Project Personnel**

The Gulf Research Program requires individuals named as Project Director or Key Personnel in an application to adhere to the following:

- An individual may be named as Project Director in only one application.

- An individual, including a Project Director, may be named as Key Personnel in any number of other applications.

- If an individual appears on multiple proposals, a clear description should be included to explain how the proposed work is complementary and not duplicative of other proposed efforts and how the participant will budget his or her time.

- Should an individual appear on two or more proposals as Project Director, **ALL** proposals listing that individual as Project Director will be disqualified and eliminated from the review process. It is the responsibility of the Project Directors to confirm that each member of the entire team is within the eligibility guidelines.

**Has the Project Director changed since LOI submission?\***

- Yes
- No

**1. Project Director Information\***

Prefix (e.g., Dr., Mr., Ms.)\*

First Name\*

Last Name\*

Professional Title\*

Organizational Affiliation\*

Department

Office Street Address 1\*

Office Street Address 2

Office City\*

Office State\*  Alabama

... 52 additional choices hidden ...

Wyoming

Office Zip Code\*

Office Phone Number\*   
(xxx-xxx-xxx)

Office Email\*

Career Stage\*

- Postdoctoral Scholar / Research Scientist, Engineer or Scholar I / Equivalent
- Assistant Professor / Research Scientist, Engineer or Scholar II / Equivalent
- Associate Professor / Research Scientist, Engineer or Scholar III / Equivalent
- Full Professor / Senior Research Scientist, Engineer or Scholar / Equivalent
- Early Career
- Mid-Career / Professional
- Managerial
- Executive
- Other (Please specify)

Please Specify\*

Expertise (up to 5 words)\*

Project Role (up to 15 words)\*

## 2. ORCID--Open Researcher and Contributor ID\*

Please enter your ORCID below. If you do not have an ORCID, please [register for one](#).

### 3. Key Personnel

#### 3a. Other than the project director, how many Key Personnel will be involved in this project?\*

Key Personnel are individuals who share in the responsibility of the direction or intellectual design of the proposed project and/or contribute to the execution of the project in a substantive, measurable way.

Please enter "0" if there will be no other Key Personnel.

#### 3b. Please list the name, organizational affiliation, type of institution, expertise, and project role of each Key Personnel in the order of their importance to the project.\*

This section will accommodate listings for up to fifteen people. If Key Personnel exceed fifteen people, see section 3c.

	Name (Please do not use prefix)	Organizational Affiliation (Please do not use acronyms)	Type of Institution	Expertise (Up to 5 words)	Project Role (Up to 15 words)
1.	<input type="text"/>	<input type="text"/>	<input type="radio"/> For-profit organization <input type="radio"/> Non-profit, non-academic organization <input type="radio"/> State or local government <input type="radio"/> University/college <input type="radio"/> Other	<input type="text"/>	<input type="text"/>

[ROWS #2-14 NOT SHOWN]

15.    For-profit organization
- Non-profit, non-academic organization
- State or local government
- University/college
- Other

**3c. If the number of Key Personnel exceeds fifteen, please list the name, organizational affiliation, type of institution, expertise (up to 5 words), and project role (up to 15 words) of each remaining Key Personnel.\***

**3d. Are any of the Key Personnel federal employees?\***

NOTE: If a proposed project with employees of federal agencies as Key Personnel is awarded, the Gulf Research Program would ask the applicant to certify that (1) the employees of federal agencies named as Key Personnel are serving in their personal capacity, donating volunteer time at no charge to any parties and (2) that no part of the proposed work is done by the federal government.

- Yes
- No

**4. Involvement of Project Director or Key Personnel in Other Applications**

**4a. Is the Project Director or are any Key Personnel involved in other applications for this funding opportunity?\***

An individual may only be listed as Project Director on one application. An individual, including a Project Director, may be named as Key Personnel in any number of other applications.

- Yes

No

**4b. Indicate the involvement of the Project Director or Key Personnel in other applications.\***

List the names of the Key Personnel who are involved in other applications for this funding opportunity and the titles of the other proposed projects. Please explain how the proposed work is complementary, not duplicative, of other proposed efforts and how the participant will budget his or her time.

**II. Project Details**

**1. Project Title (maximum 15 words):\***

The title should clearly represent the project and help articulate the importance and goals of the project to a non-technical reader. Titles are a primary referent for projects. The titles of awarded projects will be announced publicly and should not sacrifice clarity for novelty.

**2. Project Acronym (if applicable, maximum 15 characters):**

**3. Project Key Words (maximum 5 words):\***

**4. Project Summary (maximum 300 words):\***

The project summary should be an overview of the proposed project written in the third person, informative to other persons working in the same or related fields, and, insofar as possible, understandable to a scientifically or technically literate lay reader.

The project abstract should clearly and succinctly address:

- What the project aims to achieve (i.e., the problem, proposed outcomes);
- The general approach to address the problem; and
- How the project results and/or outputs can be used to improve skill of sustained continuous operational forecasts of ocean dynamics for the reduction of risks in offshore energy exploration and production in the regions of the GoM where deep-

water drilling and production occur and/or are anticipated (i.e., application of results).

### 5. Project Description (maximum 7,500 words):\*

Provide a clear statement of the work to be undertaken and a plan for implementation. It should address the following:

- **The Problem:** The context for the research question, issue, and/or gap to be addressed and the current state of knowledge on the issue.
- **Goal and Objectives:** The overall goal of the project and its SMART (Specific, Measurable, Achievable, Relevant, Time-oriented) objectives.
- **Project approach, methodology, and implementation:** Details about the proposed activities to be undertaken and methods, tools, and analyses that will be employed to carry out the project, along with an explanation of how these are appropriate for accomplishing the specific aims of the project.
- **A clear description/plan for implementation** that demonstrates the feasibility of the activities to be undertaken, including explanations of the feasibility of access to specific data sets, people, or settings required to successfully implement the project and the mechanism to assess success.
- **A clear description/plan for transition** of developed tools or products to the end-user organization(s) for deployment and long-term sustained use.
- **A description of each Key Personnel role.**

Please see the RFA for more guidelines about the projects being sought under this opportunity.

NOTE: The textbox for the Project Description does not support equations, figures, or tables. See “Optional Attachments to Support Project Description” in Section VIII for information on providing equations, figures, or tables.

### 6. Application and Outputs Utilization (maximum 1,000 words):\*

Describe how the research addresses operational forecasting needs and how end-users will use the outputs of the project.

### 7. Engagement, Communication, and Outreach Strategy (maximum 500 words):\*

Strong interaction and engagement with end-users and other stakeholders and audiences is expected of all proposals. Dissemination of results and their utility to stakeholders and educators must be clearly defined.

## 8. Consortium Structure (maximum 1,000 words):\*

How the project team is organized to ensure integration, and the role of the different consortium members. Describe how the experience of the Project Director and other team members relates to the successful completion of the project. Explain the coordination and collaboration plan for multiple institutions, organizations or entities, and with other ongoing or submitted consortia or projects.

## 9. Success Metrics Template:\*

This template should be used to concisely outline major goals, objectives, approach, success metrics, anticipated deliverables, outcomes, and project risks. It should be limited to five-pages and uploaded as a PDF as a separate document.

**Upload a File.** Accepted Formats: pdf

## 10. Timeline:\*

A timeline, as a Gantt chart, showing key project activities or events, including tasks, milestones, outputs, or deliverables is required. The timeline will be used by reviewers to assess project feasibility. For funded projects, the timeline allows Project Directors to track progress and allows GRP staff to monitor the project schedule. Project activities or events listed in the timeline should serve as unambiguous indicators and measures of progress. The timeline should include sufficient key activities or events so that the portrayed, overall progress of the project can be reasonably tracked over distinct time periods. The timeline Gantt charts should be uploaded as a PDF as a separate document.

**Upload a File.** Accepted Formats: pdf

## 11. Facilities, Equipment, and Other Resources (maximum 500 words):\*

This section of the proposal will be used to assess the adequacy of the resources available to perform the proposed project. Include an aggregated description of the internal and external resources (both physical and personnel) that all the partners of the consortium will provide to the project, should it be funded. The description should be narrative in nature and must not include any quantifiable financial information. Although these resources are not considered cost sharing, the GRP expects that the resources identified in the Facilities, Equipment, and Other Resources section will be provided, or made available, should the proposal be funded.

## 12. Data Management Plan (maximum 1,500 words):\*

Applications should include an explicit data management component that meets the requirements of the [GRP's data management policy](#). All observational and modeled data shall be made available with minimal delay to be negotiated with the GRP for each dataset, through submission at least to the Gulf of Mexico Research Initiative Information and Data Cooperative ([GRIIDC](#)) and national archives for use by intermediate and end-users.

## 13. References Cited:\*

Reference information is required. If there are no references cited, a statement to that effect should be included in this section of the proposal. Each reference must include the names of all authors (in the same sequence in which they appear in the publication), the article and journal title, book title, volume number, page numbers, and year of publication. If the document is available electronically, the website address also should be identified. Applicants must be especially careful to follow accepted scholarly practices in providing citations for source materials relied upon when preparing any section of the proposal. While there is no established page limitation for the references, this section must include bibliographic citations only and must not be used to provide parenthetical information outside of the word limit of the Project Description.

## 14. Does the proposed project involve research on human subjects or the use of human-subjects data?\*

All projects involving human subjects must be submitted to an institutional review board (IRB) for review and either receive IRB approval or be granted exemption from human subjects regulations before an award can be made. Proposers should file their proposal with their local IRB at the same time the proposal is submitted to the Gulf Research Program so that any approval procedure determined as necessary will not delay the award process. A proposal may be submitted to the Gulf Research Program prior to receiving IRB approval or being granted exemption; however, if the proposal is selected for funding, the award will be made conditional upon IRB granting approval or exemption from human subjects regulations within 60 days of the notice of conditional award. If a proposed project involving human subjects is granted exemption from human subjects regulations [see [45 CFR §46.101\(b\)](#)], the applicant must provide documentation that an IRB (or the appropriate authority other than the Project Director or Key Personnel) has declared the project exempt from the human subjects regulations. Documentation should include the specific category justifying the exemption. Organizations without internal access to an IRB must

seek approval or exemption from an independent review board or other appropriate authority.

- Yes
- No

### III. Project Budget

#### 1. Total Budget Requested:\*

#### 2. Budget Justification (maximum 2,000 words):\*

The amounts requested for each budget line item should be documented and justified in the budget justification. View a [sample budget justification](#).

#### 3. [Budget Form](#):\*

Complete this form to provide information on the proposed budget. Budget requests should be developed commensurate with the support needed to achieve the project goals.

**Upload a File.** Accepted Formats: excel

#### 4. Does the project budget include any sub-awards to the following types of organizations?\*

The FFRDC(s) and/or UARC(s) named as sub-awardees in the Full Proposal must have the authority to obtain funding for work outside of the relevant federal sponsor contract and not be proposing to do work that is otherwise being done under the federal sponsor contact.

- Federally Funded Research & Development Centers (FFRDCs)
- University Affiliated Research Centers (UARCs)
- None of the above

#### **IV. Resumes:\***

A resume is required for the Project Director and every individual identified as Key Personnel. Resumes may not exceed two pages per person. See [resume specifications](#) for additional guidance. All resumes should be combined and uploaded as a single PDF document. Resumes for Individuals not named as a Project Director or Key Personnel in the “Project Personnel” section should not be included. It is the responsibility of the Project Director to ensure that the Key Personnel listed in the “Project Personnel” section are correct and match the resumes submitted.

**Upload a File.** Accepted Formats: pdf

#### **V. Letters of Commitment:\***

Applicants are required to upload a PDF with letters of commitment from collaborators or organizations/individuals anticipated to inform or participate in the project in a substantial way. Each letter of commitment should be brief and no longer than one page. Letters of commitment must not include itemized budgets or other information that is required in other sections of the application. All letters of support should be combined into a single PDF before uploading as an attachment.

**Upload a File.** Accepted Formats: pdf

#### **VI. Current and Pending Support Form:\***

Complete this form to provide information on support from projects or activities currently underway and pending support for future projects or activities of the Project Director and all Key Personnel named in the “Project Personnel” section. All current or pending support from whatever source (e.g., federal, state, local or foreign government agencies, public or private foundations, industrial or other commercial organizations) must be listed for every member of the project team. The project proposed in this application and all other projects or activities requiring a portion of time of the Project Director or Key Personnel must be included, even if an individual receives no salary support from the projects or activities. If an individual does not have any other current or pending support or is unable to document that information for whatever reason, that must be indicated within the section of the form for that individual. The total award amount for the entire award period covered (including indirect costs) must be shown as well as the number of person-months per year to be devoted to the project, regardless of source of support. It is the responsibility of the Project Director to ensure that the Key Personnel listed in the “Project Personnel” section are correct and match those listed in the Current and Pending Support Form.

**Upload a File.** Accepted Formats: excel

## VII. Collaborators and Other Affiliations Form:\*

The purpose of this form is to help us eliminate potential conflicts of interest during our reviewer recruitment. Complete this form to provide information on the following for the Project Director and all Key Personnel named in the “Project Personnel” section:

- All persons (including their current organizational affiliations) who are currently or who have been collaborators (i.e., an individual with whom you work closely to co-design or conduct a project) or co-authors with the individual on a project, book, article, report, abstract, or paper during the 48 months preceding the submission of the application.
- The individual’s own graduate and postdoctoral advisor(s) and their current organizational affiliations.
- All persons (including their current organizational affiliations) with whom the individual has had an association as a graduate or postdoctoral advisor.

If an individual does not have any collaborators or other affiliations pertaining to the above situations, that must be indicated within the section of the form for that individual. It is the responsibility of the Project Director to ensure that the Key Personnel listed in the “Project Personnel” section are correct and match those listed in the Collaborators and Other Affiliations Form.

**Upload a File.** Accepted Formats: excel

## VIII. Optional Attachments to Support Project Description:

**NOTE:** *The Gulf Research Program may reject inclusion of any optional attachments in the review process if the attachments are not consistent with the instructions outlined.*

**Equations and Visual Elements:** The text box for the “Project Description” does not support equations or visual elements (e.g., figures, tables, images, maps). Applicants may upload a single PDF document with 1) a one-page list of equations and 2) up to eight visual elements, each on one page, to support the information included in the project description. Visual elements must be labeled sequentially (e.g., Figure 1, Table 1). The total number of pages of visual elements in the PDF may not exceed eight pages. Only equations and visual elements can be included in this attachment and only information that is directly relevant to the equations or visual elements included (e.g., figure legends) is acceptable. Attempts to use this attachment to provide any information beyond this stated purpose may result in removal of the attachment from the review process.

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**By checking the box, the *applicant* certifies that this proposal is original work\***

I agree

The Gulf Research Program will notify applicants when the sample Grant Agreement for this opportunity has been posted online. Please be advised that the Gulf Research Program expects applicants to have reviewed the Grant Agreement prior to submitting their application to ensure that the applicant is aware of the applicable terms under which the grant is offered. It is the policy of the National Academies of Sciences, Engineering, and Medicine to entertain potential modifications to the Grant Agreement only under the most exceptional circumstances. Rather, successful applicants will be strongly encouraged to sign the Grant Agreement as presented.

SAMPLE