ALLIANCE FOR COASTAL TECHNOLOGIES

APPLICATION FOR TECHNOLOGY EVALUATION

Technology Demonstration of Improved Use of Hyperspectral Imagery to Assess Phytoplankton Communities, Coral Reef Environments and Aquatic Vegetation

Please submit this form along with a 2-3 page Letter of Intent that describes your proposed data processing/algorithm approach and the Data Set application selected for testing. Please include a 2pg CV of each Principal Investigator on the team. Letters and Forms should be sent to:

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| Applicant Information | | | | | |
| Name Lead PI |  | | Telephone | |  |
| Organization/Institution |  | | Fax | |  |
| Address |  | | E-mail | |  |
| City, State, Zip |  | | Web Address | |  |
| PI Position |  | | | | |
| **Other Team Participants (Name, Email, Phone):** | | | | | |
| **Name** | | **Email** | | **Phone** | |
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| Is the technology proprietary, patented, or copyrighted? | | | \_\_\_Yes / \_\_\_No | | |
| Is there any specific information regarding your data processing, algorithms, etc. that you wish to be treated as strictly confidential? If Yes, please describe briefly (no confidential data please).  \_\_\_Yes / \_\_\_No | | | | | |
| Are you the owner of, or lead research/investigator on, the technology, methodology, or approach? Please explain.  \_\_\_Yes / \_\_\_No | | | | | |

**Letter of Intent**

**Please address the following components in your no more than 3-page Letter of Intent**

1. Describe your data processing approach (include basic operating principle and specifications).

2. Describe the intended use and where it would be applicable.

3. What are the data requirements for developing or testing your algorithm?

4. State a brief history of development to date and, where applicable, a brief description of any predecessor product.

5. Is the approach currently employed or in use in a research or management application? If Yes, give examples.

6. Is performance data available? If so, briefly summarize type of previous testing and results.

**Criteria for Evaluating Preliminary Applications**

1. Demonstrated knowledge and experience in processing Hyperspectral Data

- Evidenced by publications, reports, proposals

2. Technical merit of proposed approach

3. Potential contribution to field

- How would project results advance the use of hyperspectral imagery in research or management?