

2005 Proposal Form – External/Shared Projects (fully or partially funded by an external grant, and MBARI resources are being requested)

Submission Deadlines: Phase I – August 30th, Phase II – October 4th.

Internal Project Number: 900303

External Project Number: 708303

Project Start: Jan 1, 2005

Project Duration (in years): ?

Please indicate what type of project is being proposed (mark all that apply).

☐

Feasibility/Scoping

☐

Development

☒

Research

☐

Infrastructure

☐

Education

Project Manager/PI: Chavez/Kelley

Project Title: CIMT

1) ABSTRACT (*new and continuing projects*)

Funds have been provided by NOAA to build a mooring system to turnaround M0. Funds have also been provided to support the deployment and testing of ESP in the vicinity of M0. The M0 location has proven interesting for scientific (see 900532) and development purposes. Strong blooms leave a carbon dioxide imprint that is difficult to explain. Close proximity to shore (a boston whaler visit can take an hour from dock to dock), plug and play capability (allowed for testing of pumped microcats when idea developed) and available power (not fully utilized; current use is less than 50% of total) make this platform an optimal development platform. Plans for 2005 are to upgrade software and hardware based on experience from first deployment and potentially add a second bin to test distributed controllers, accommodate additional sensors and utilize available power. A general review of MOOS plans for 2005-2006, including the 2006 experiment is requested as part of the proposal review.

2) PROPOSAL

[Replace this text with the proposal from your external proposal submission]

3) BUDGET JUSTIFICATION (*new and continuing projects*)

External funds requested SHOULD cover the replacement mooring hardware costs although a full accounting of the MOOS Lite system has yet to be finalized. MOOS Mooring Controller (MMC) and power cans were built as part of the 2004 effort so this will reduce hardware and labor costs substantially. A second MMC may be required and most parts except housing (requested here) are available from the MOOS project. Costs to cover newly designed pucks are also included. Core engineering, to support integration of new developments, support engineering and machine shop time are requested.

4. MILESTONES (*new and continuing projects*)

Milestones are not required for external/shared project proposals.