

901209 Investigations of Imaging for Midwater Autonomous Platforms (i2MAP)

Please note that Phase 1 requests exceed available resources:

Direct expenses

Total requests are approximately \$500,000 more than last year and exceed available funds. Some targeted reductions will be necessary during Phase 2 to balance our overall budget. In addition, travel costs seem to vary significantly between projects, even for those heading to similar locations. Please review these budget requests carefully to determine if any savings are possible. You can check with your division administrator for suggestions on typical rates for travel to a given destination. Another resource to check is <http://www.gsa.gov/portal/content/104877>. (Note there is a link to the State Department foreign destination rates from this page as well.) If appropriate, please revise your travel budget accordingly.

Software engineering

Requests for SE time exceed the number of allocable hours and some de-scoping is required. Please ensure that requests for SE time have been carefully scoped and, if possible, reduce those requests. Where applicable, prioritize software engineering tasks, and indicate in your response which tasks may be deferred or removed to enable balancing labor resources.

Ship time and DMO Support

Many teams requested the Paragon "with operator" which will be challenging to meet since that vessel is not regularly staffed with DMO operators like the Flyer and Carson. Teams that want to use the Paragon are expected to seek certification so they can operate the boat on their own, or coordinate with other certified users to accommodate their needs; do not rely on DMO staff to operate this vessel on an as-needed basis. An operator class is now being formed for users of the Paragon. Please contact Jared Figurski as soon as possible to take part in this class.

Jared Figurski, Chris Wahl, and Hans Thomas are heavily requested for 2016. These individuals will not necessarily be available for all the tasks they have been requested for in project proposals. Please review requests for DMO Support staff carefully (if applicable) and reduce hours as possible.

Final notes

*Please be sure to make **all budget changes** (labor, ship, expense), as necessary, in the web budget system prior to the Phase 2 deadline (Tuesday, September 15 at 8:00 a.m.). All Phase 2 responses should be sent to Mandy Allen directly via email by the deadline as well.*

Rating: 1

MT contact: Doug Au

Management Team Feedback

General Comments:

Making a transition to all AUV operations by 2017 seems optimistic. The team may want to plan on lengthening the transition from ROV to AUV as a contingency to allow for verification of data set comparisons.

It is good to see this project push the boundary of digital image data processing.

DMO has confirmed that the test plan for the camera domes is acceptable. Science has confirmed that a 1000-meter rating is the minimum acceptable depth rating and a possible fallback position should the dome testing require de-rating of the domes.

For Phase 2 please address the following:

It is noted that the stuttering effect when playing high-speed video back at a lower rate will not be acceptable for manual video annotation. This must be resolved.

The proposal text indicates a request for 100 hours of Cazenave, but the budget request is for 260 hours, which matches the proposal milestone table. Please verify the amount of time being requested.

Not all requested resources appear in the milestone chart. Also, please include Marine Operations in the plan for testing option B.

Mike McCann is listed in a proposal figure (midwater time series) but not in the text or budget. Is his time from work in the midwater time series project?