

Guidance Paper Template

Notes:

- Google Docs: go.hub.ki/SeismicTemp
- Webex: Meeting number (access code): 804 430 637 Meeting password: bigbang19
- Context: <https://hub.ki/groups/marineseismic/collections/background-reading>

I. Title of Option

II. Key Stakeholders

- Who are the influential stakeholders to advance this option?
- Which institutions and/or organizations do they represent?
- Does interest exist for this option?

III. Introduction

- Provide relevant background and context for this guidance and solicitation as described in the “Options to consider for future marine seismic data acquisition” paper.
- Describe the proposed model to support future seismic experiments requiring long-offset / 3D / large tuned source.

IV. Timeline

- Define the timeline involved to operationalize option and to sustain it.

V. Evaluation of Option

- What are the positives and concerns?
- What science would this option enable?
- How does this model provide marine seismic capabilities to the community and a strategy for implementing the model(s)?

VI. Cost

- What is the cost to operate the model?
- What do you get with the 10 million?

VII. Criteria

How does the proposed model meet each criterion as set forth in the beginning of the event?

- Does the option avoid a break in operations following 2020?
- Will the model release NSF of vessel ownership?
- Does the model cap of (up to) \$10M from NSF per year for the facility, inclusive of ship, technical requirements, and marine mitigation?
- Does the model provide marine seismic capabilities to the community?
- Does the model provide a strategy for implementation?
- Does the model provide opportunities for education, training, and outreach?
- Does the model contain data acquisition capabilities?
- Will the model provide global access?
- Does the model comply with cruise-planning needs?
- Does the science funding separate from above and will it be contingent on receipt and award of high quality research proposals?
- Does the potential exist for expanding the ship user base beyond NSF and thereby the funding sources?



Options

1 – Acquisition and general use of the vessel in the ARF by a UNOLS operator

1a – Transfer the Langseth to private ownership

2 – Acquisition by an academic institute or consortium and convert vessel for specialization

2a – Continue operation of Langseth under non-NSF ownership and offer a vessel for NSF-supported research

3 – Lease of a vessel on a multi-year basis with conversion to meet requirements of academic researchers

3a – Industry partnership with NSF