

CISMaRT Workshop on Key Research Themes

Halifax, NS

November 27, 2018

Breakout Session on Proposed Projects (14:40 – 16:40):

The purpose of this session is to seek input from workshop participants on initiating future projects. CISMaRT projects are typically collaborative involving as many sectors of Canada’s marine ecosystem as possible. Ultimately the work should contribute to Canada’s economy and global competitiveness.

The initiatives that CISMaRT will consider fall under the following four themes and are described in outline below:

SMART TECHNOLOGIES	GREEN TECHNOLOGIES	SAFE TECHNOLOGIES	IMPLEMENT DEVELOPMENTS
<ul style="list-style-type: none"> • Autonomous Marine Vehicles • Communications • Cyber Security • Shipbuilding • Simulation 	<ul style="list-style-type: none"> • Alternative Fuels and Propulsion Systems • Efficiency Improvement • Ocean Energy • Ship Emission and Noise Reduction 	<ul style="list-style-type: none"> • Arctic Engineering • Harsh Environment Operations • Human Factors Engineering • Safety and Risk Engineering 	<ul style="list-style-type: none"> • Personnel Training and Education • Policy Advancement in the Public Interest • Technology Commercialization

The objectives of this breakout session are:

1. To consider if there are opportunities and value in extending scopes of the three pilot projects currently underway
2. To identify projects that require ship time for field work.
3. To comment on video-based training course introduced during the opening presentation
4. To propose future projects that have the most potential to contribute to Canada’s marine ecosystem

Current Pilot Projects

The three pilot projects currently underway were reviewed earlier. Can any of the projects be usefully expanded in terms of scope, or otherwise extended? If so, please outline additional aspects that can be addressed.

Projects Requiring Ship Time

The Canadian Coast Guard has kindly made ship time available to CISMART for meaningful projects under conditions outline earlier. Can you think of projects that fall into one of the themes mentioned above that would benefit from field work requiring ship time? Please list two or more projects perhaps supported by an explanatory sentence or two:

Projects on Video-based Training Courses

In the opening presentation an example of video-based training was introduced. CISMART is considering delivering short training courses using this vehicle. In your view how effective could this form of short course delivery potentially be? What types of subject matter could be delivered? Please give examples.

Other Potential Projects

Please identify potential projects for CISMART to consider in the near term (1-2 years) and medium term (3 – 5 years). These should be considered in the four themes shown in the graphic on the first page. Examples of typical technologies under each category are shown in the graphic.

Several presentations were given this morning and this afternoon addressing a wide range of challenges and opportunities. It is hoped that these acted as a catalyst for ideas on potential projects for CISMART to pursue. The breakout groups are asked to identify potential projects. A table is attached which can be used to capture project ideas developed by each breakout group.

No	Project Title	Possible Collaborators	Time Scale (yrs)	ROM (\$K)	Benefits of Project