

An underwater scene showing a remotely operated vehicle (ROV) or submersible illuminated by bright lights. The ROV is suspended by a thick cable and has several red and blue buoys attached to it. The water is dark and murky, with some light reflecting off particles. The overall atmosphere is mysterious and scientific.

Increasing Vessel Capacity for Canadian At Sea Research

Information Sessions
March & April 2019

Canada

Leadership

Canada is at the forefront of ocean research and must continue to be a reliable partner in the stewardship of the Global Ocean

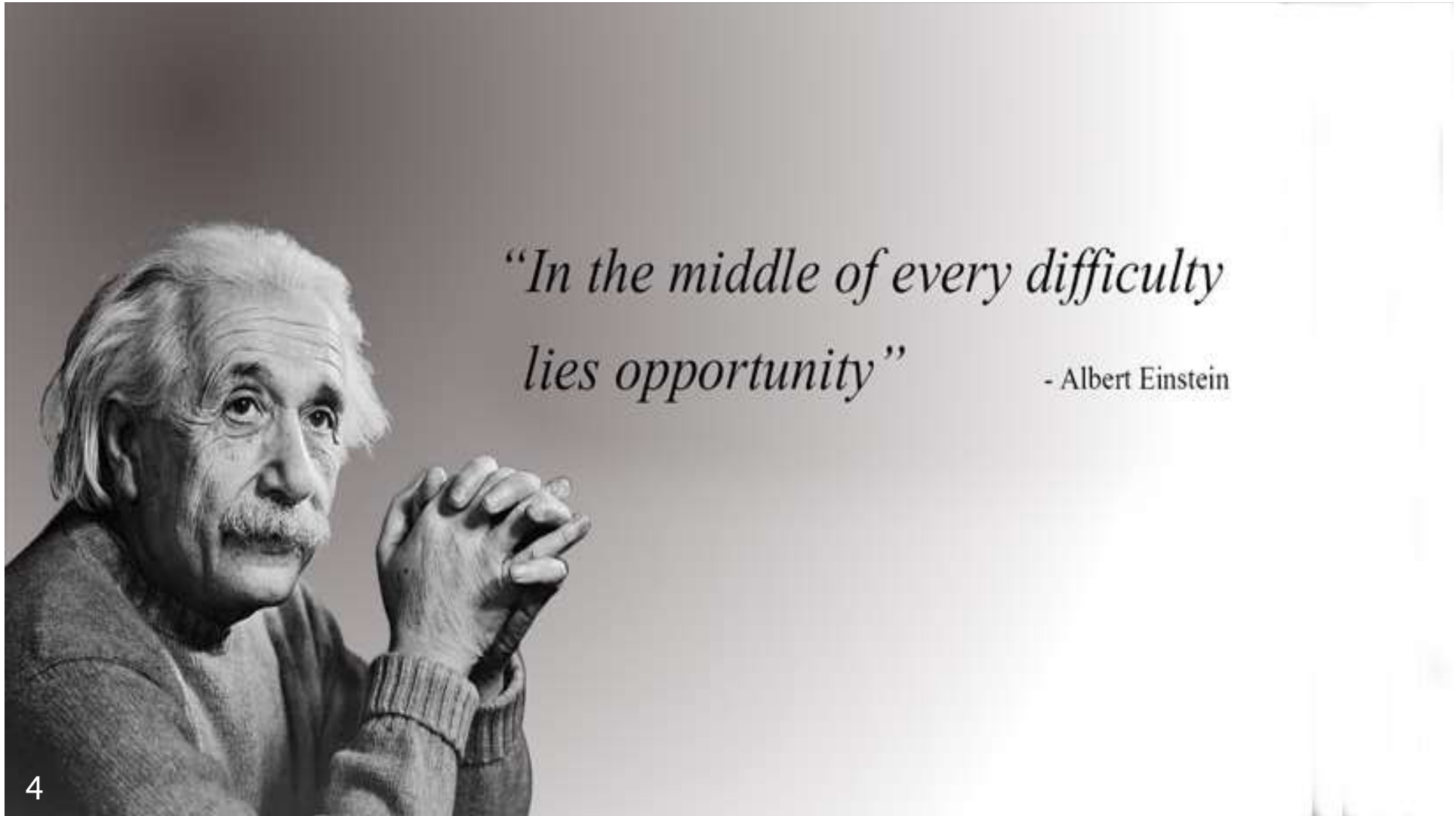
Collaboration

Strengthening our culture of collaboration across all research teams and organizations

Coordination

Develop tools to share information and better coordinate access to research vessels and the sharing of infrastructure





*“In the middle of every difficulty
lies opportunity”*

- Albert Einstein

Lessons Learned on Past RFP Processes

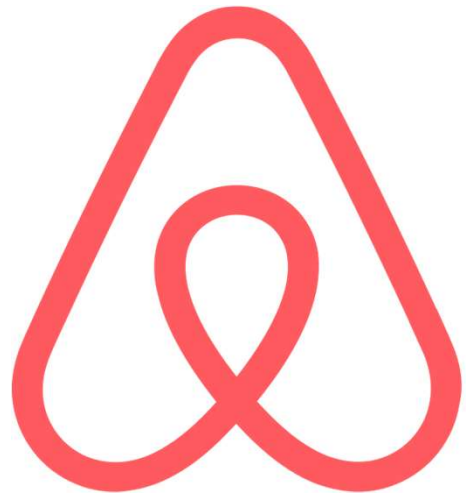
- Required a very long lead time >12 months
- Significant workload for bidders and technical review teams
- Large file sizes - difficult for transmittal to inter-regional technical assessment teams
- Technical Assessment based on the bid submission and then vessel inspection
- No direct communication with bidders



U B E R



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A network diagram consisting of several circular nodes connected by lines. Each node contains a stylized icon of a person, representing users or providers. The nodes are arranged in a non-uniform pattern, with some larger than others, and are interconnected by thin lines, suggesting a complex network or system.

Connecting Users and Providers to increase the sharing and utilization of assets

Environmental Scan



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Canadian Ocean Infrastructure Navigator

1



Schedule Optimization

Phase 1: Develop an online scheduling optimization tool for access to Canadian Coast Guard Ships to promote efficiencies in the coordination of access to ships and planning of science missions at sea.

2



Research Vessel Database

Phase 2: Build a searchable online database of research vessels in Canada (Govt, Academia, Private Sector), featuring vessel specifications, associated science equipment and current and future cruise plans of participating vessels/organizations.

3



Transferrable Equipment

Phase 3: Expand the searchable online database to include large transferrable ocean science equipment such as remotely operated vehicles, autonomous underwater vehicles and other observing equipment.

A scenic sunset over a body of water. The sky is filled with orange and yellow clouds, reflecting on the water. A small boat with several people is visible in the foreground, moving across the water. On the left side, there is a large, dark iceberg floating in the water. The overall atmosphere is calm and serene.

Supply Arrangement: Research Vessel Database

- Direct engagement with vessel operators
- Vessels categorized for science mission requirements
- Not a 'one-size fits all' approach
- Emphasis on the vessel