

**TABLE 1: Intertwined Projects Involving “Holistic Integration for Arctic Coastal-Marine Sustainability”<sup>1,2</sup>**

ASPECTS	PROJECT NAME	
	Arctic Options	Pan-Arctic Options
Duration	<b>2013-2019</b>	<b>2015-2022</b>
Conceptual Scope	Decision-support process to integrate stakeholder perspectives, evidence and governance mechanisms to reveal options that contribute to informed decision-making for sustainable infrastructure development in the Arctic Ocean	
Geographic Scope	Arctic High Seas, Barents Sea Region (BaSR), Bering Strait Region (BeSR)	Pan-Arctic (defined as north of the Arctic Circle + Bering Strait Region)
Options	Governance Mechanisms	Governance Mechanisms and Built Infrastructure
Funding Nations	United States, France	United States, Russian Federation, Norway, France, China and Canada
Funding Program	<b>ArcSEES</b> <i>(Arctic Science, Engineering, and Education for Sustainability)</i> <a href="http://www.nsf.gov/pubs/2012/nsf12553/nsf12553.htm">www.nsf.gov/pubs/2012/nsf12553/nsf12553.htm</a>	<b>Belmont Forum</b> <i>(Arctic Observing and Research for Sustainability)</i> <a href="http://www.belmontforum.org/announcements/2015/belmont-forum-announces-collaborative-research-awards-arctic-observing">www.belmontforum.org/announcements/2015/belmont-forum-announces-collaborative-research-awards-arctic-observing</a>
Funding	\$2,000,000+	€1,000,000
National Science Foundation (NSF) Grant	<b>NSF-OPP 1263819</b>	<b>NSF-ICER 1660449</b> <b>NSF-ICER 2103490</b>

<sup>1</sup> **Goal** Design, develop and demonstrate an holistic process to enhance the effectiveness of governance with build infrastructure for sustainable development in Arctic coastal-marine systems. **Objective 1** Aggregate Arctic coastal-marine data from the natural and social sciences in an efficient and flexible manner for diverse decision-making purposes. **Objective 2** Apply analytical tools and strategic planning concepts to reveal plausible scenarios about Arctic coastal-marine development over diverse spatial and temporal scales. **Objective 3** Generate infrastructure and policy options through international, interdisciplinary and inclusive dialogues responding to Arctic coastal-marine opportunities and risks. **Objective 4** Share the options resulting from Objectives 1-3 with members of the policy community in view of current Arctic governance issues.

<sup>2</sup> **Professor Paul Arthur Berkman** serves as Principal Investigator and International Coordinator with the above projects