



Global-X Challenge 2024

CAPT Andy Berner, Commanding Officer
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Kickoff Meeting Recording Link:

https://onr-navy-mil.zoomgov.com/rec/share/Fmmy77yZlhYD_n2A52cC5YIn21ZbD7baal4osil4iZx9_whvilS3KpBa1F3FOU-u.FR5W4dFz-_OZUfOS

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Naval Research Enterprise (NRE)





Office of Naval Research Global

MISSION

Obtain, coordinate & make available worldwide scientific information



VISION

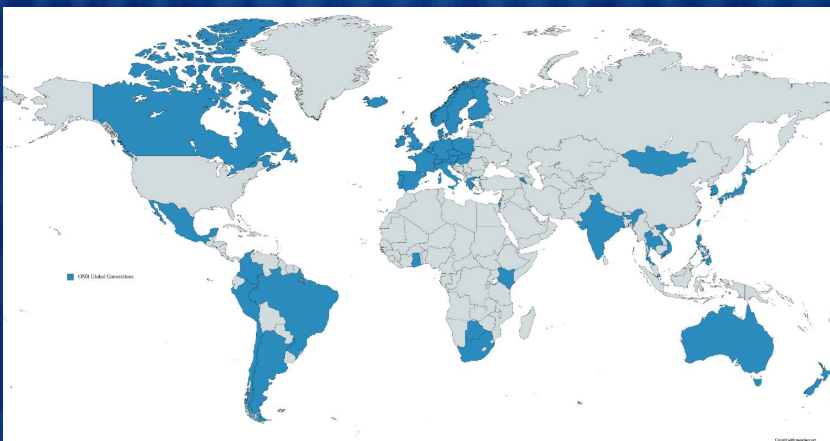
Be the partner of choice for S&T leaders



Connecting 4000+ People

> 1000 Partners

Engagement in 48+ Countries



Departments

INTERNATIONAL SCIENCE

INTERNATIONAL ENGAGEMENT

SCIENCE ADVISOR PROGRAM

EXPERIMENTATION AND ANALYSIS

FOREIGN COMPARATIVE TEST

TECH SOLUTIONS

LONDON TECH BRIDGE

Global Presence



R&D Partnerships Around the World

- Science Directors ↔ Research Worldwide
- Science Advisors ↔ The Fleet and Force



International Science

Global Technology Awareness (GTA) Visits

Attend international events & visit international institutions to discover cutting edge S&T

Visiting Scientist Portfolio (VSP)

Support travel of foreign scientists to the US to socialize new S&T ideas or findings with the NRE

Collaborative Science Portfolio (CSP)

Support international workshops & conferences of Naval interest

International Research Grant

Fund innovative international S&T & connect researchers to ONR programs and US researchers

Global-X Challenge

Seek potentially game-changing multidisciplinary technology concepts from international research teams

Science Directors

- Identify disruptive S&T
- Initiate and manage grants
- Link international scientists with NRE
- Provide global presence
- Expand network of global innovators and technologists



Collaboration tools

Small early investments can lead to significant results

DISCOVER & CONNECT



2023 ONR Global International Science Engagements

Conducted Over 320 Global Technical Awareness Visits
(including virtual)



- 280 liaison visits across 54 countries
- 16 Visiting Scientists from 11 countries
- 39 Supported workshops in 25 countries

48 New International Research Grants
(48 Institutions in 24 Countries)

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2024 Global-X Challenge

MULTI-NATIONAL CHALLENGE



\$750K
9 Months **AWARD**

To encourage multi-disciplinary science and technology partnership in naval-relevant topics.

3 CHALLENGE TOPICS

Subsea Object Detection and ID (Underwater & Seabed)

Detect objects of any material and scale; Objects may be moving or stationary, wholly immersed within the water or seabed, or on the seabed surface; ID will occur at near real-time; Operate in all salinity and in high turbidity

Personal Expeditionary Power & Energy

Power density >1000 W/kg & energy density >=5000 Wh/kg; Man-portable; Low Hazard; Long-life, quick charge, reusable and recyclable; May be weight bearing and incorporated into structures

High Latitude High Bandwidth Communications

Enables voice and 5MBPS data communications in the air, on land, ice and sea surface in latitudes above 60°; Operates with low power at -55°C at >25km range in minimum visibility conditions

Significant Dates and Times

Event	Date	Time
White Paper Submission Date	18 Mar 2024	23:59 Eastern Daylight Time (EDT)
Notification of White Paper Valuation*	29 Mar 2024	17:00 EDT
In-Person Teaming Workshop**	23-24 Apr 2024	
Full Proposal Submission	20 May 2024	23:59 EDT
Notification of Selection: Full Proposals *	7 Jun 2024	17:00 EDT
Grant Awards *	31 Jul 2024	17:00 EDT


* These are approximate dates

**By invitation

Communication channels

Website

Global-X Kick-Off Webinar



<https://www.onr.navy.mil/Global-X>

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About Global-X View Details	Challenge Form View Details	Important Dates View Details
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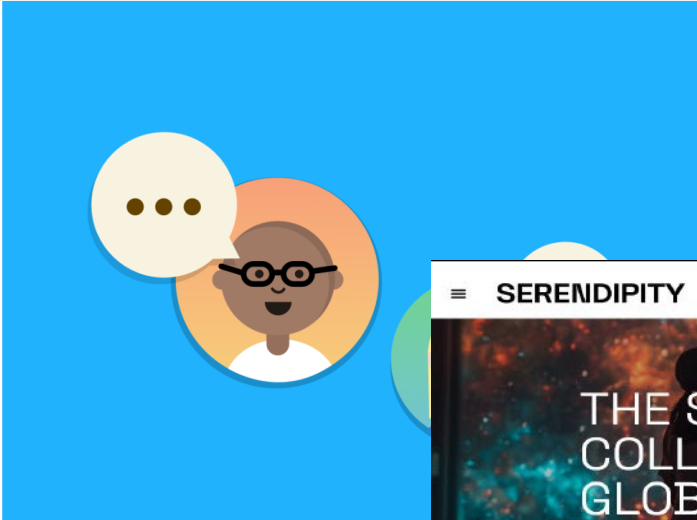
Communication channels



Join the Slack 2024 Global-X Challenge

What is your email address?

Verify email



Navigation: SERENDIPITY COLLECTIVE™ <https://serendipity-co.com/> JOIN NOW

THE SERENDIPITY COLLECTIVE 2024 & GLOBAL-X CHALLENGE

APPLY NOW →

The stage is set for the unveiling of two ground breaking events: the [Serendipity Collective 2024](#) and the Global-X Challenge, proudly presented by [IdeatePlus](#).

By combining these two initiatives, we aim to build and energize a community ready to tackle the challenges of ONR Global, and the world. We're fostering cross-disciplinary collaboration, often missed in siloed research environments, to spur revolutionary change [APPLY NOW →](#)

Questions