



OFFICE OF
INNOVATION & COMMERCIALIZATION
UNIVERSITY OF HAWAI'I SYSTEM

Water Resilience Innovation Challenge



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Welcome!

Agenda:

- Partner Intros
 - U.S. NAVFAC EXWC
 - UH Office of Innovation & Commercialization
 - One World One Water
- Speaker
- Problem Statement & Focus Areas
- Program Overview
- Q&A



Meet the Team



Madeleine M.I. White, PE
Engineer, Water Resilience PM
NAVFAC Engineering & EXWC



Dr. Richard T. Carlin
Senior Advisor
Innovation & Climate Change
NAVFAC-EXWC



George Yarbrough
Associate Director
Entrepreneur Programs
UH OIC



Christin T. Reynolds
Director & Founder
One World One Water



**NATIONAL
SECURITY
INNOVATION
NETWORK**

Gloria Choo
Regional Engagement Principal
National Security Innovation
Network



About Naval Facilities (NAVFAC) Engineering and Expeditionary Warfare Center (EXWC)

Madeleine M.I. White, PE

Engineer, Water Resilience Program Manager
NAVFAC Engineering & Expeditionary Warfare
Center
Port Hueneme, CA



Mission:

- Provide research, development, testing and evaluation, in-service engineering, and life-cycle management for shore, oceans, and expeditionary domains.

Vision:

- Accelerate innovation to enable fleet lethality at sea and ashore.

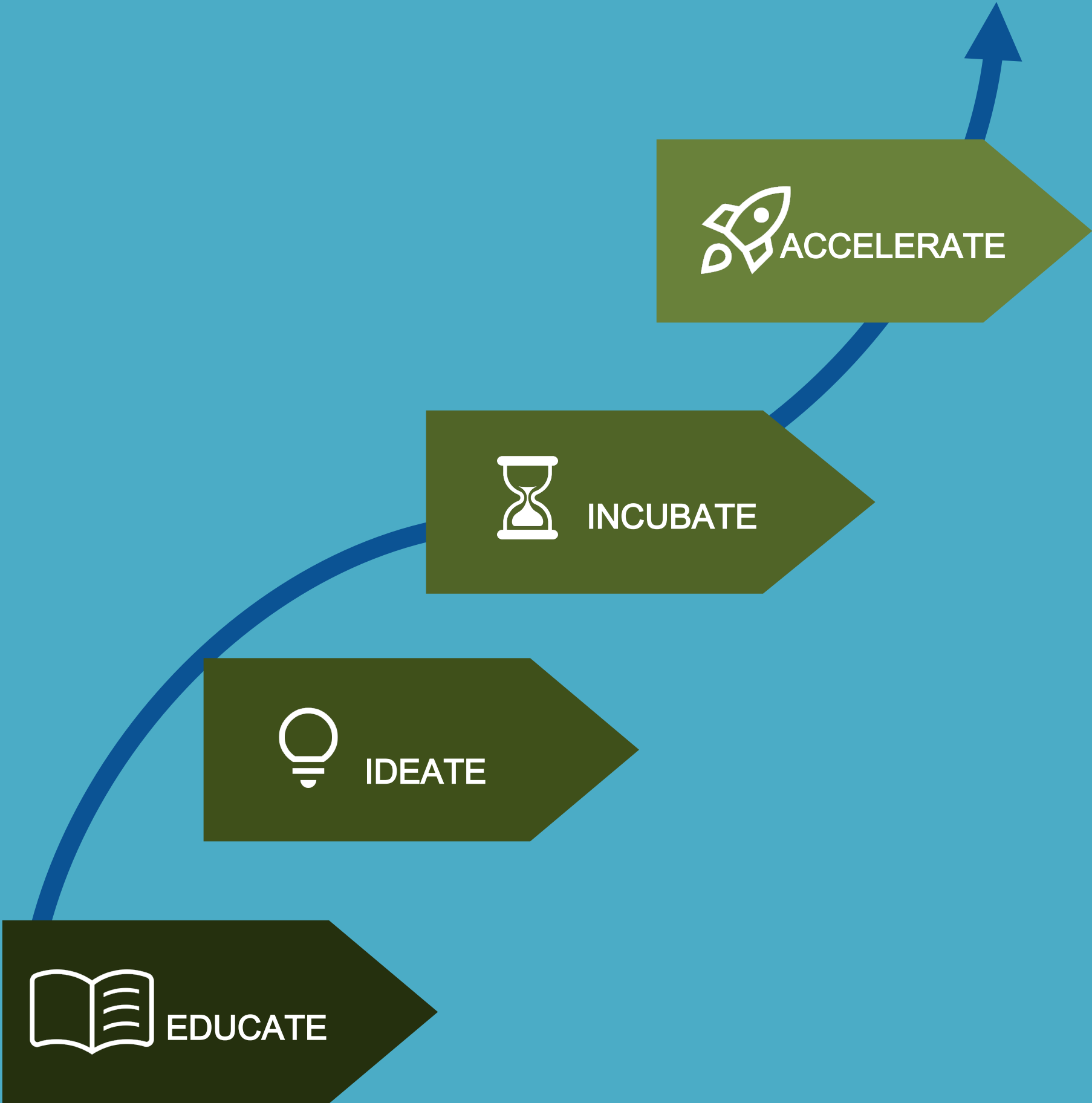
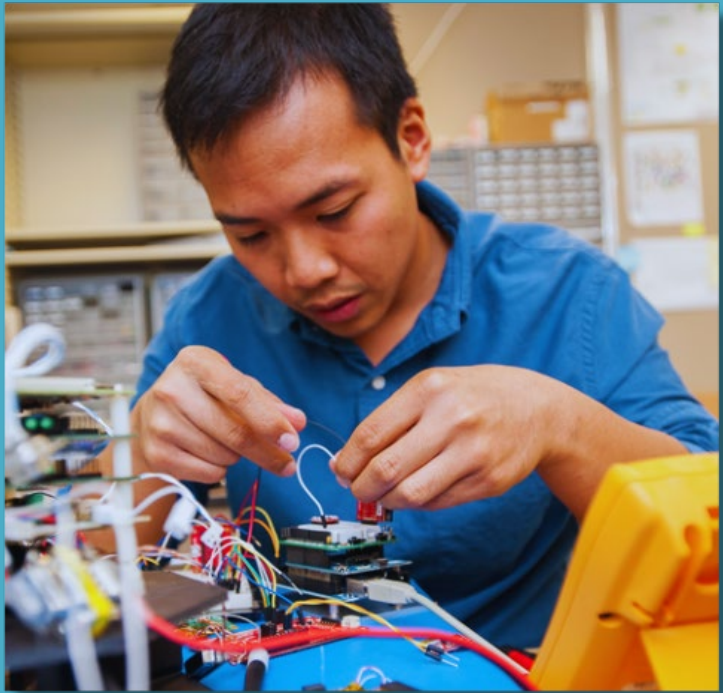
Technical Departments:

- Shore; Oceans; Expeditionary.



About UH Office of Innovation & Commercialization

George Yarbrough
Associate Director
Entrepreneur Programs
UH OIC



About One World One Water

Christin T. Reynolds

Director & Founds
One World One Water



What is One World One Water?

- Reinvesting in water infrastructure & restoring the natural environment
- Connecting engineering & policy
- Convening groups of thought leaders in water



Guest Speaker

Dr. Richard T. Carlin
Senior Advisor
Innovation & Climate Change
NAVFAC-EXWC



Why this Innovation Challenge?

- Water Resilience is essential to Mission Success
- Climate change is a threat to water resilience

Why UH and NSIN?

- UH is a critical hub for innovation in Hawaii
- NSIN provides innovation best practices
- Hawaii is a model for climate change challenges across the Pacific Islands, the Pacific Region and the Globe



Focus Areas



Stewardship of Natural Systems

- Coordination of disparate systems, data, and models
- Integration of sustainable solutions
- Protection of water resources from threats



Incorporating Water Source Alternatives

- Additional sources to decrease impact on natural systems
- Increase efficiency of water use and/or reduction of water loss
- Wastewater treatment and/or hazard prevention &



Reimagining Resources & Infrastructure

- Assessment, maintenance, replacement, and/or repair of existing infrastructure
- Assessment of impact on available resources & system resilience

Overview

Benefits

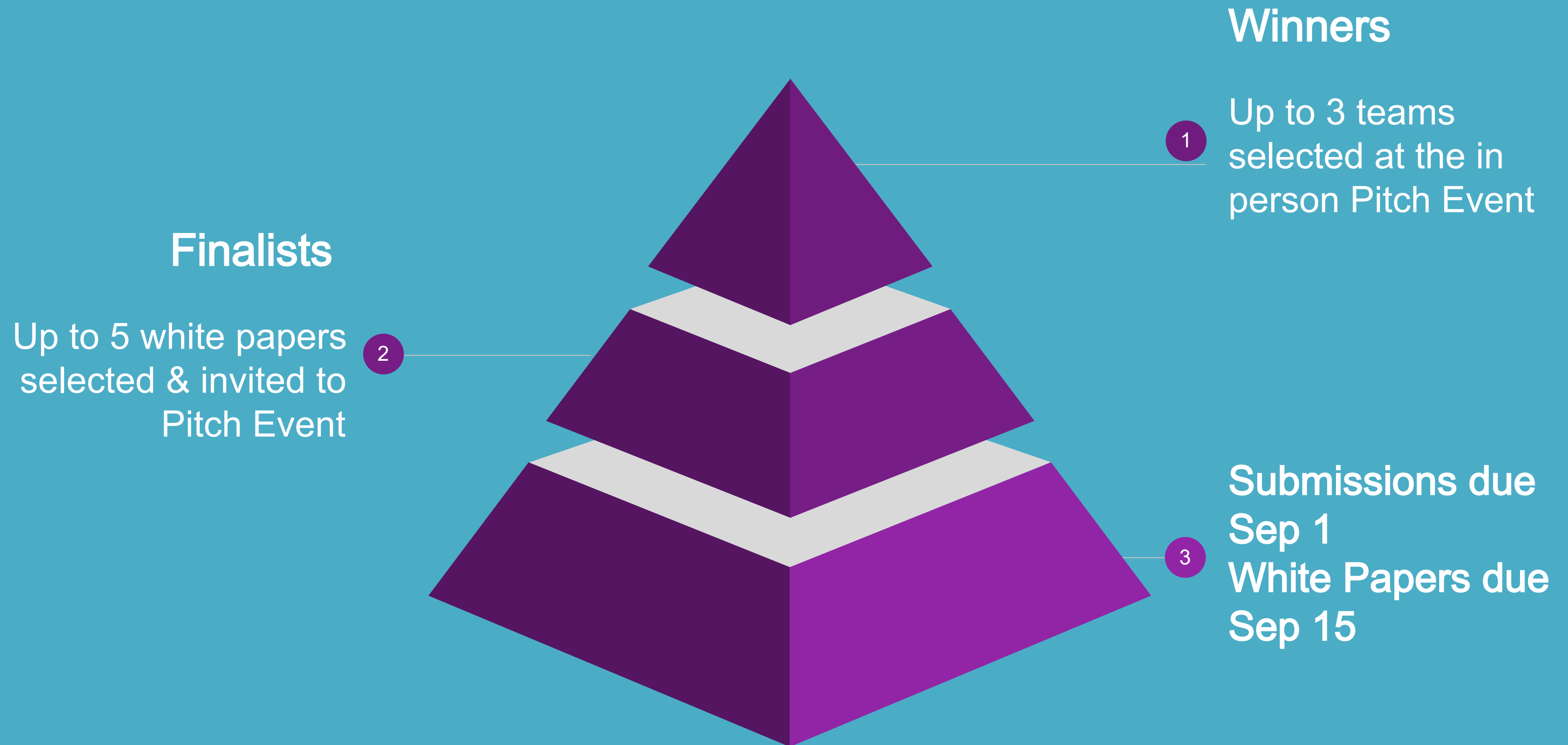
- Up to \$75,000
- Network with community leaders & DoD stakeholders
- Follow on opportunities in testing & evaluation, funding
- Work directly with DoD and community stakeholders

Eligibility

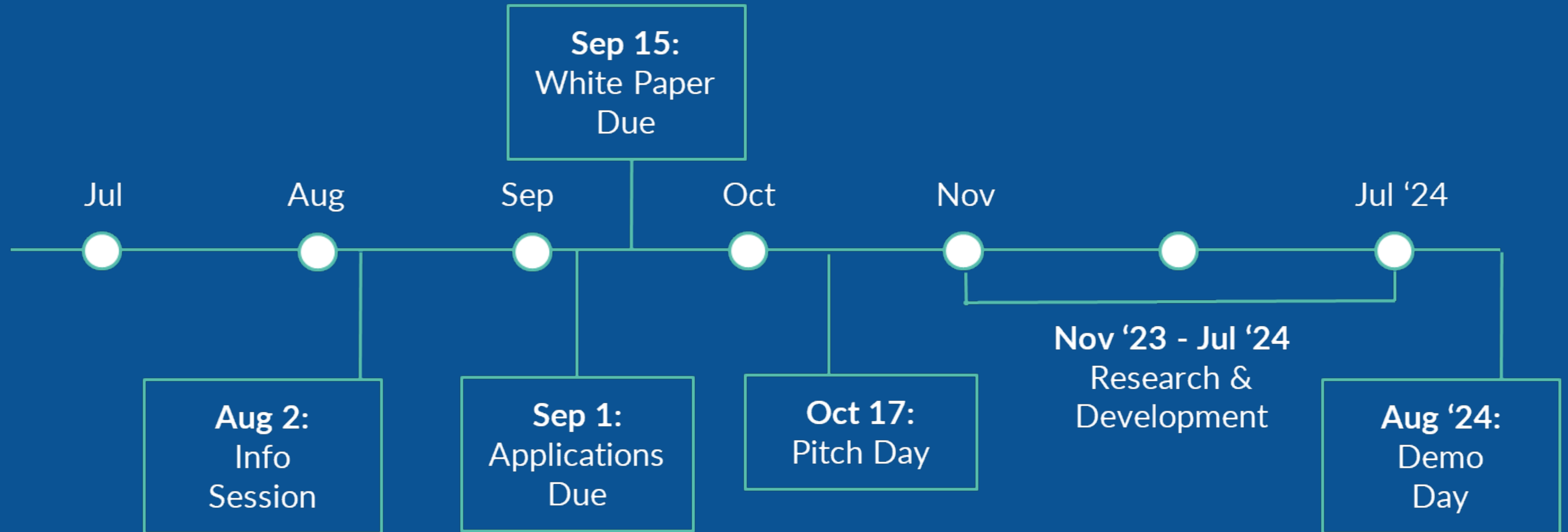
- UH researcher
- UH student
- Industry working with UH researcher



Stages of the Challenge



Program Timeline





Evaluation Criteria

- Well-written: clear and concise
- Content: address one of the three focus areas with emphasis on community integration
- Standards: within parameters & requirements
- Evidence: contains scientific language and evidence based solutions
- Adaptability: ability to use this approach for other use cases and demonstrate August 2024 at Demo Day

An aerial photograph of a suspension bridge tower, likely the Golden Gate Bridge, showing the intricate steel lattice structure. Several workers in safety gear are positioned on a platform within the tower. The background features a vast expanse of water and distant bridge spans under a clear blue sky. The image is framed by a light blue border.

Closing remarks

Mahalo for participating in this innovation challenge event. We look forward to seeing your ideas come to life!