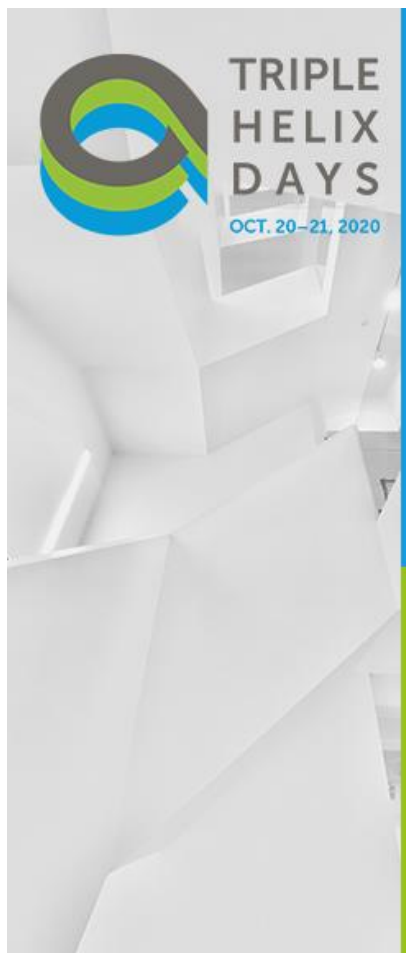




Strengthening
University-Industry
Partnerships



Doing Business with ONR and the Naval Accelerator

October 20, 2020 2-2:45 PM EDT



Tricia Bergman
University of Kansas



Rich Carlin
Naval Accelerator



The Naval Research Enterprise

Naval Power Starts Here

2020



**“What the future Navy will be like,
we cannot say as yet.”**

~ Chief of Naval Operations Fleet Admiral Chester Nimitz

Our Mission: Future Naval Power



Invest in the **RIGHT SCIENTIST**
to ensure the Navy and Marine Corps are always linked to
SCIENTIFIC DISCOVERY

Our Mission: Future Naval Power



Provide a **STEADY INFUSION**
of relevant **TECHNOLOGY**
into existing **PROGRAMS OF RECORD**

Naval Research Enterprise



**The Nexus for
Future Naval Power**

**U.S. NAVAL
RESEARCH
LABORATORY**

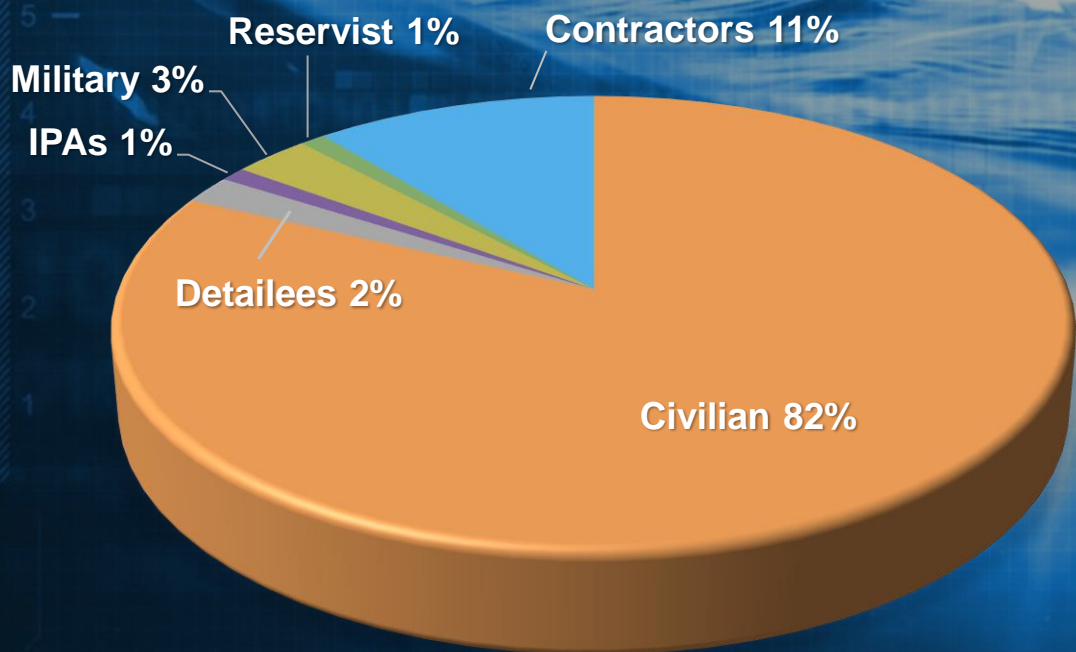
**Department of the
Navy's in-house
Laboratory**



**Connecting the Fleet
and Force to the World**

Who We Are

Workforce Demographics



Degrees



PhD

32%



Masters

20%



College

25%

Average Length of Service

14



Male

70%



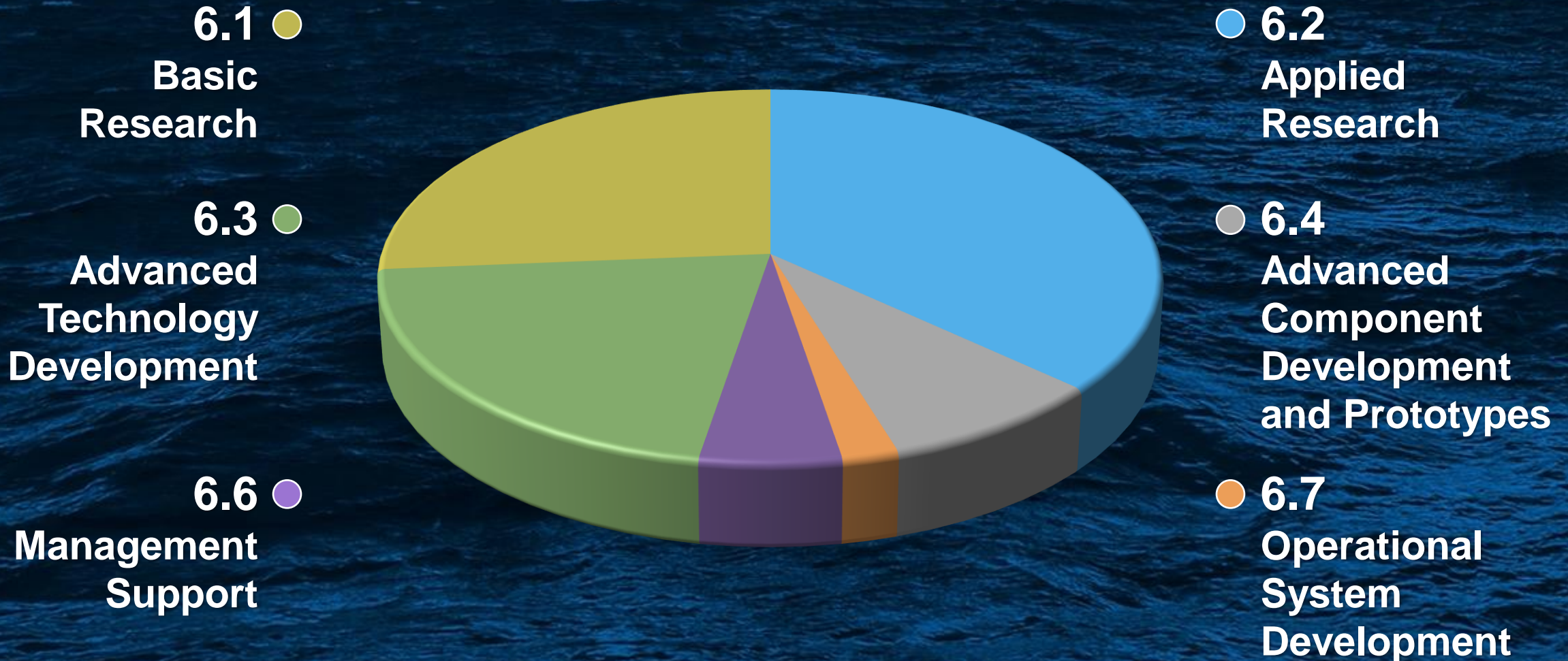
Female

30%

Average Age

46

Portfolio Investment (\$2.5b)



Integrated Research Portfolios

Information Cyber
and Spectrum
Superiority

Mission Capable,
Persistent and
Survivable Naval
Platforms

Ocean Battlespace
and Expeditionary
Access

Warfighter
Performance

Aviation, Force
Projection and
Integrated
Defense

<https://www.onr.navy.mil/work-with-us/funding-opportunities/announcements>



Naval Accelerator, Code 36

- *Small Business Innovative Research (SBIR) and Small Business Technology Transfer (STTR)*
 - *The SBIR program provides the fleet with innovative advances in technology developed by small businesses of 500 people or less. The STTR program is intended to foster transitions of joint efforts between qualified small businesses and research institutions to Navy and Marine Corps, in particular.*
 - <https://www.onr.navy.mil/en/work-with-us/sbir-and-sttr>
- *Technology Transfer (T2)*
 - *The T2 program promotes and transfers naval technology to other government organizations, commercial enterprise, and academia for public benefit and to lower the cost of acquiring military equipment by taking advantage of economies of scale and the larger commercial industrial base.*
 - <https://www.onr.navy.mil/work-with-us/technology-transfer-t2>
- *Rapid Innovation Fund (RIF)*
 - *The RIF program enables the military to collaborate with small businesses to provide innovative technologies that can be rapidly inserted into acquisition programs that meet specific defense requirement.*
 - <https://www.onr.navy.mil/work-with-us/rapid-innovation-fund>



TECH BRIDGE STAGES



BUILD THE TEAM

Local team forms as the core of the regional Tech Bridge



LAUNCH



CONNECT

New Tech Bridges accelerate learning across the network



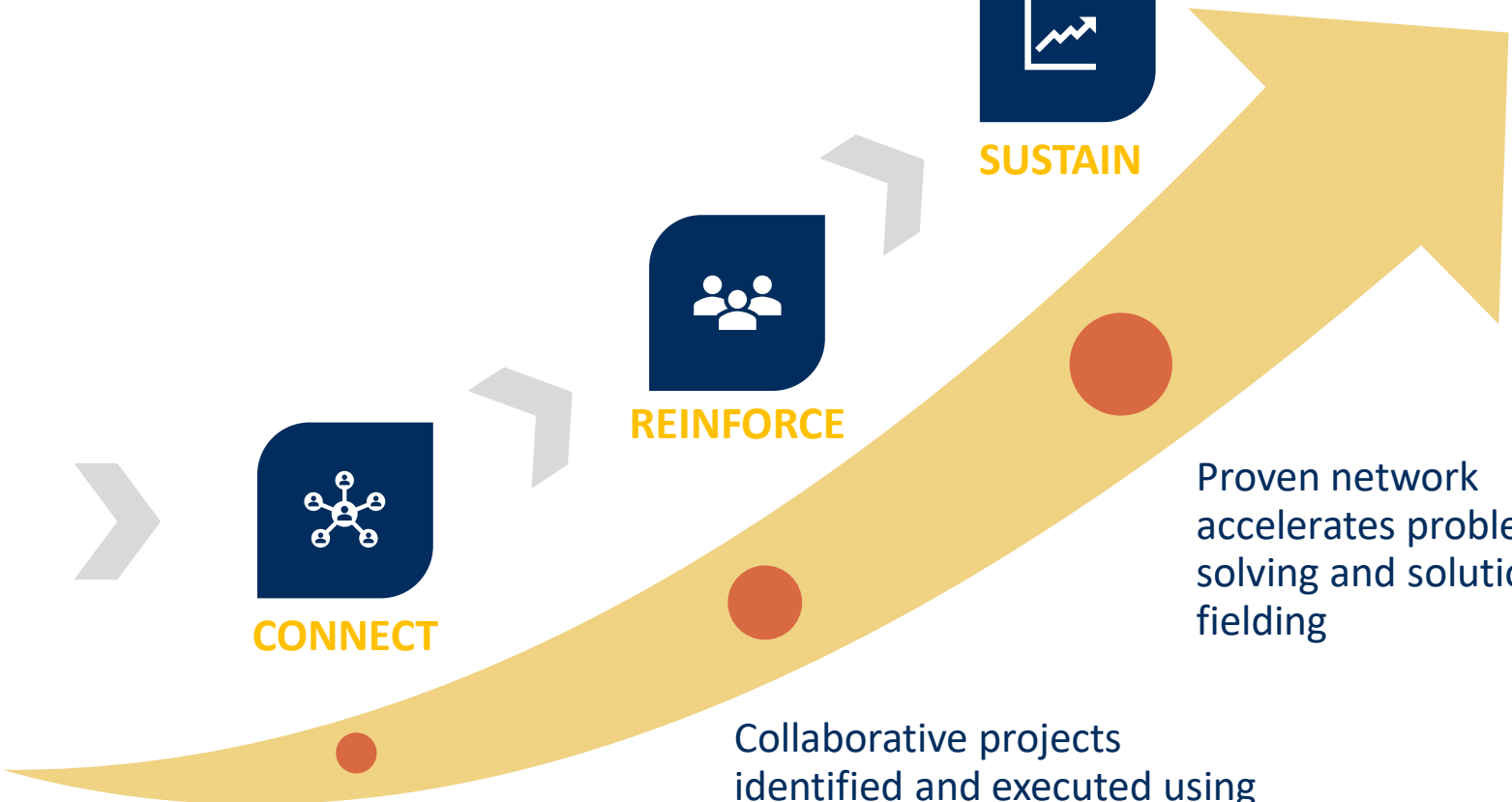
REINFORCE

Collaborative projects identified and executed using the innovation pipeline



SUSTAIN

Proven network accelerates problem solving and solution fielding





Tech Bridge Network



<https://www.secnav.navy.mil/agility/Pages/techbridges.aspx>





INNOVATION PIPELINE

Source

Find lots of problems that matter to Navy and Marine Corps.



Curate

Prioritize the problems that have the greatest impact and the highest chance of success.



Scan

Discover what options you have to solve your problem and who else is already doing similar work.



Prototype

Build lightweight experiments in the form of Minimum Viable Products (MVPs) to make sure you are actually solving your problem.



Validate

Test, evaluate, and demonstrate your Minimum Viable Product (MVP) in order to ensure that this version of a solution can gain momentum from user and leadership.



Field

Find a market for your solution. Promote and launch it, onboard users and continuously get usage data.



Sustain

Plan and execute maintenance in order to ensure solution is operational and deployable. Minimize cost and prolong shelf life.

Incubate

Once the problem has been refined and team consensus is built, constraints, assumptions and key user requirements begin to take shape.

