

Update for Cascade Chapter AUVSI

(Bill Mounts, Tom Hagen, Joe Gibbs)

October 21, 2010

Bob Miyamoto
Applied Physics Laboratory
University of Washington
rtm@apl.washington.edu
206 685 1303



Museum of Flight Partnership Workshop, May 20-21, 2010

Senator Patty Murray of Washington, **Representative Norm Dicks**, WA 6th, and **Representative Rick Larsen**, WA 2nd opened the two-day event. Representative Larsen said, "I cannot think of a better place than the Pacific Northwest to locate an [Advanced Technology Cluster]. The Pacific Northwest has outstanding research facilities, a technologically-savvy workforce, adaptive small business and a long history of support for national security due to our region's many military installations and the presence of one of the nation's largest defense contractors."

One of the highlights of the event was the announcement that "Next week, I will join with my colleague from Virginia, Glenn Nye, to offer an amendment to the National Defense Authorization Act that will direct the Secretary of Defense to

report to Congress on his plans to enhance regional ATCs, provide them with resources, collaborate with and share resources from other federal agencies, and assist the expansion of regional clusters in encouraging the development of innovative advanced technologies," said Representative Larsen.*

Speakers and participants included representatives from the Department of Defense, Department of Homeland Security, the Small Business Administration, Boeing Unmanned Aerial Systems, Wright Patterson Air Force Base, SPAWAR, NAVAIR, National Oceanographic and Atmospheric

Administration, Northwest UAV Propulsion Systems, Arcturus, Insitu, The University of Washington, Oregon State University, Florence Darlington and Edmonds Community Colleges and Pacific Northwest National Laboratories.

Matrice Wright, Deputy Director, DoD Industrial Policy, discussed the role of innovation and the importance of 2nd and 3rd tier suppliers in defense industrial policy during her remarks at the conference. Ms. Wright began her career as a Naval Flight Officer with VQ-3 at NAS Barbers Point, Hawaii. In 1997, Ms. Wright received a Presidential appointment and served as a White House Fellow assigned to the Department of Treasury. Ms. Wright is recognized as the Navy's first African American, female Naval Flight Officer.



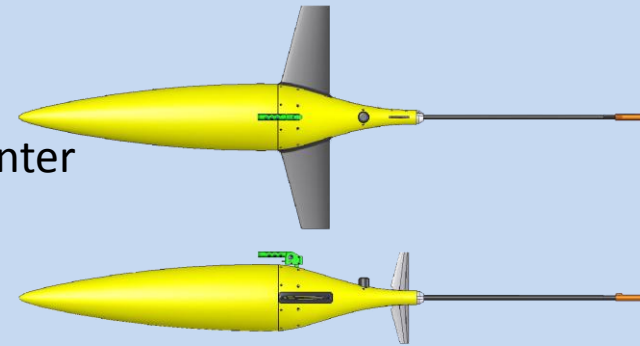


SBA-Boeing meeting June 25

- Visit by Small Business Administrator, Karen Mills, to Boeing 737 assembly facility
 - Small business, large, state, local SBA,
- Roundtable discussion of NWARC
 - Pre-solicitation discussion of upcoming SBA RFP for clusters
 - Positive response
 - UW and Boeing identified as cornerstones
 - And then the SBA solicitation came out
 - \$600 K for base year (optional second year)

SBA solicitation ADTC

- APL-UW asked to prepare proposal
 - 60+ years as DoD University Affiliated Research Center
 - US Navy based, mostly in Undersea Warfare
 - APL-UW Lead for UW
 - Foster School of Business
 - Aeronautics and Astronautics (Vagners)
- Not much time..... so much to get done
 - Mission Statement
 - Strategic Plan
 - Teaming agreement
 - SPAWAR CRADA
 - Interim By-laws
 - Management Plan
 - Past Performance History
 - Inputs from Museum of Flight meeting
 - DDRE (Nancy Spruill)
 - Washington State Economic Development Commission
 - OSU office of technology transfer





Mission Statement

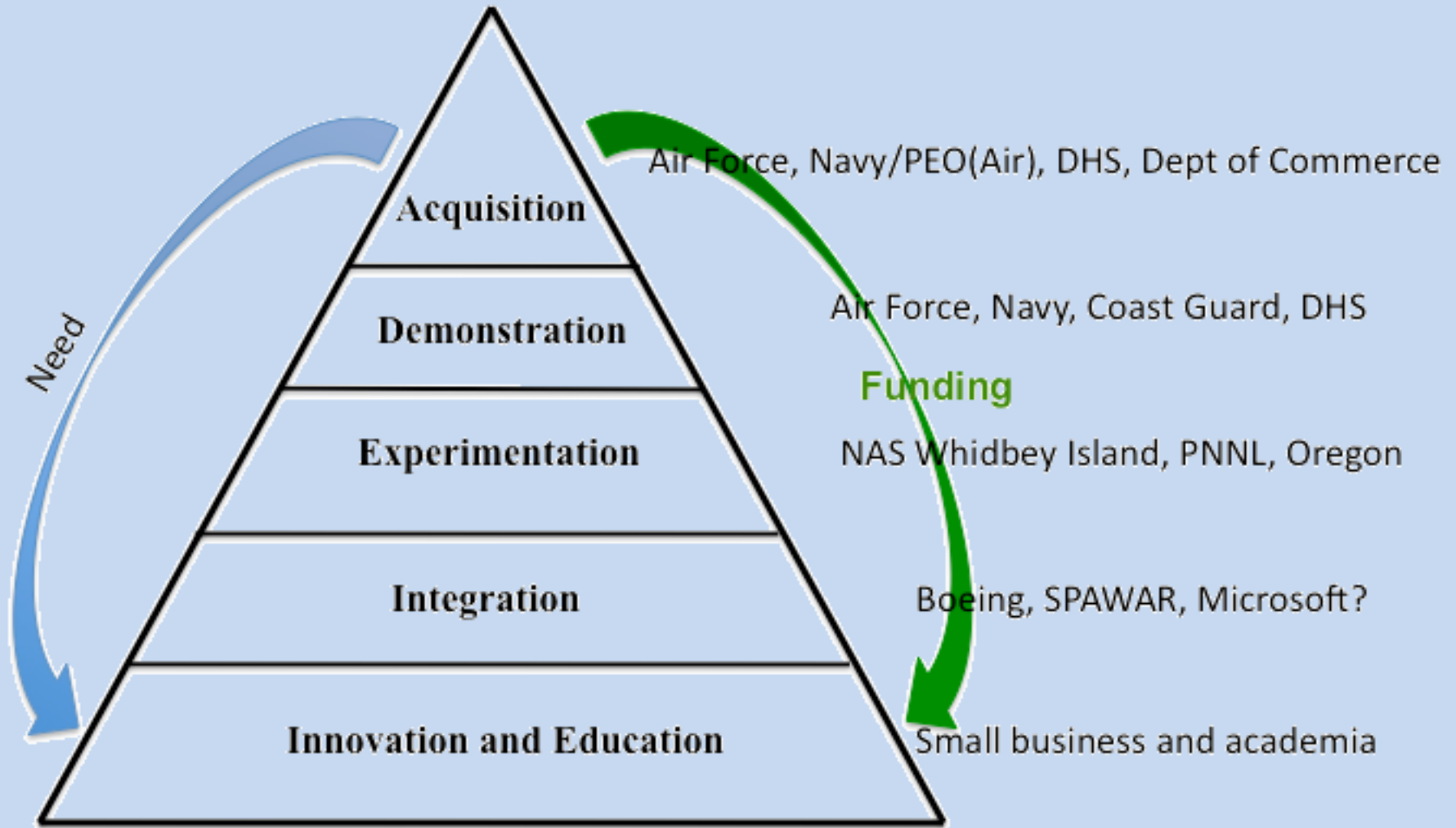
- ***To develop a regional cluster of industry, academia, and government that works collaboratively as a catalyst for economic growth in the Pacific Northwest through innovation in advanced technologies and aerial robotics for the betterment of our national security and economy.***



Strategic Goals

- Increase innovation
- Increase cooperation between components of NWARC
- Develop coordinated business plans
- Increase opportunities for business
- Increase revenues
- Through the NWARC process, increase jobs.

Key is Innovation



Work Breakdown Structure

1. Management task
 1. Innovation team
 2. Integration team
 3. Experimentation & Demonstration team
 4. Business Development Team
2. Provide specific services to small businesses that increase the opportunities for focused innovation and entrepreneurship and provides small businesses with the tools to be successful.
3. Create linkages among organizations that emphasize a process approach to technological and business development. These linkages allow business to team up to take advantage of the new capabilities and opportunities to generate job growth.





OK, so we didn't win SBA

Other progress....

- De-briefing next week at SBA
 - If at first you don't succeed.....
- APL-UW, representing NWARC, part of winning team for NSWC Crane RFP
 - Lead by University of Alaska (Greg Walker)
 - \$47M, five year IDIQ to develop and test payloads for small UAVs.
- SPAWAR, APL-UW, Arctic Submarine Lab to fly small UAV during upcoming naval ice camp
- Participated at DARPA industry day
- AUVERSI Unmanned Systems Integration Conference (San Diego)



Opportunities?

- SBIR (Nov-Jan)/STTR (Jan-Mar)
 - SBIR PAR-10-279 – NIH/DoD/NSF/DHS Robotics
- DARPA
- Office of Naval Research Future Naval Capability?
- DTRA RUM RFI-Team Response (NWARC ATC Lead)
 - Team ATC development and demonstration of a one-time use, air-delivered, highly mobile vehicle having certain characteristics similar to an unmanned ground vehicle.
- Boeing SWARM
- Others?

Questions?

