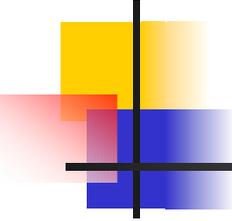


Swampworks

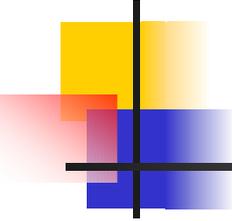
Dr. Maribel Soto, Director
Naval-Industry R&D Partnership Conference
August 13, 2002

<http://www.onr.navy.mil/01/swampworks>



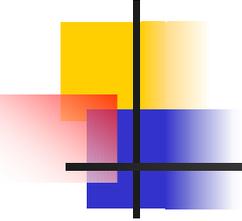
Problems Facing the Navy Today

- Threats to US national security rapidly evolving
- Technology plays a major role in military strategy
 - Maintaining technical superiority
 - Preventing technological surprise
- Timely development of technology is essential
 - 15 year cycles are unacceptable



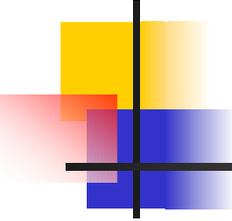
Where Swampworks Fits

- Naval science and technology is undergoing a transformation
- Traditional methods of technology development are being augmented and shaped by
 - customer demands (e.g., FNCs)
 - evolutionary response to Naval needs (e.g., Tech Solutions, NRSTAT, Swampworks)
- ONR evolution will continue to attain the best balanced S&T investment strategy



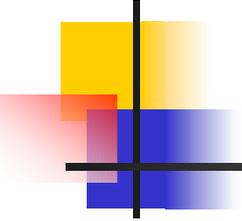
Swampworks: Solving Problems in 1-3 Years.

- Tries to find solutions for emerging problems within developing technology.
- Responsive to both:
 - Emergent fleet & force operational problems
 - Enduring operational barriers & challenges.



The Swampworks Approach

- First, we gain a thorough understanding of the problem from an operational, intelligence, and strategic point of view.
- Next, we assess the feasibility of the technical options.
- Finally, we demonstrate the concepts that offer the best possibility of high payoff.



Today's Presentation: Project Examples

- Jet Noise Mitigation – Dr. Gabriel Roy
 - An ideal example of the Swampworks process in action.
- Ship Structure – Dr. Roshdy Barsoum
 - Initially a rejected proposal, a modified version is now receiving new Swampworks attention.
- Anti-Terrorism/Force Protection – Dr. Virginia Degiorgi
- Torpedo – Dr. Benoit Gauthier
 - Two projects that address major challenges facing the Navy today.



Questions?

<http://www.onr.navy.mil/01/swampworks>

