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Crossing the Valley of Death: Technology Transition

Baker, Robert W.

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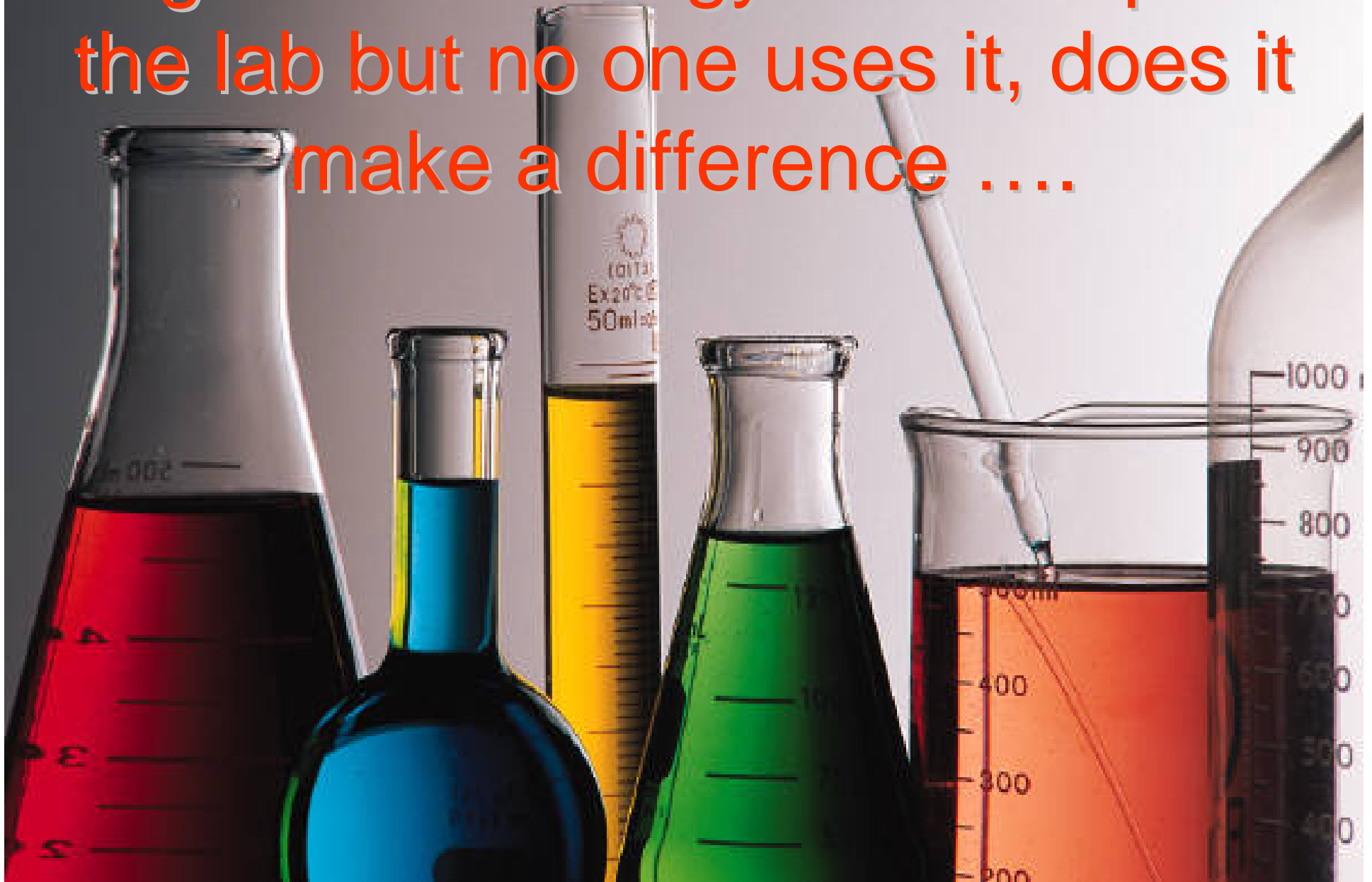


Transitioning S&T Programs

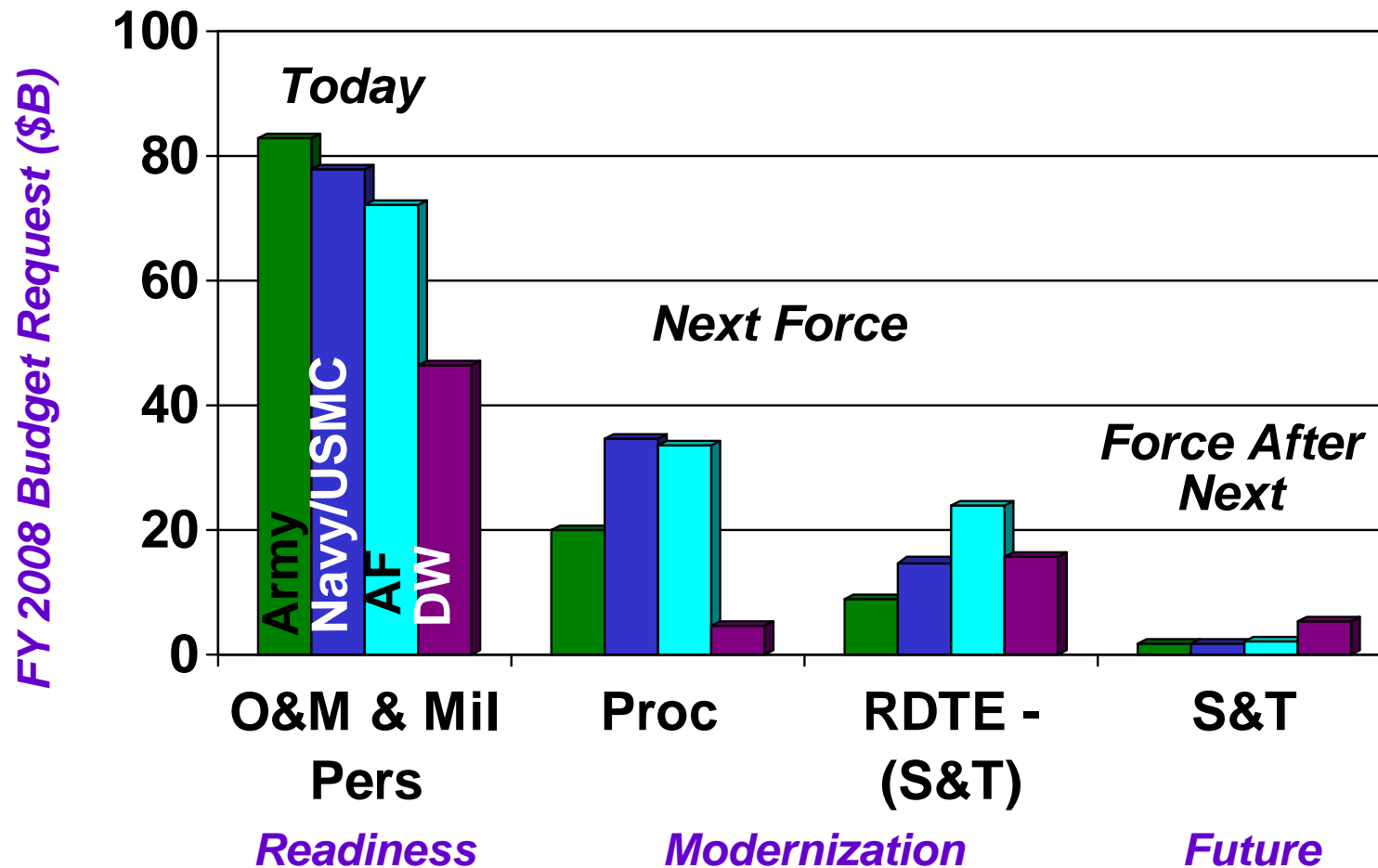
NPS Acquisition Research Symposium
May 16, 2007

Mr. Bob Baker
Deputy Director, Plans and Programs
Office of Director, Defense Research and Engineering

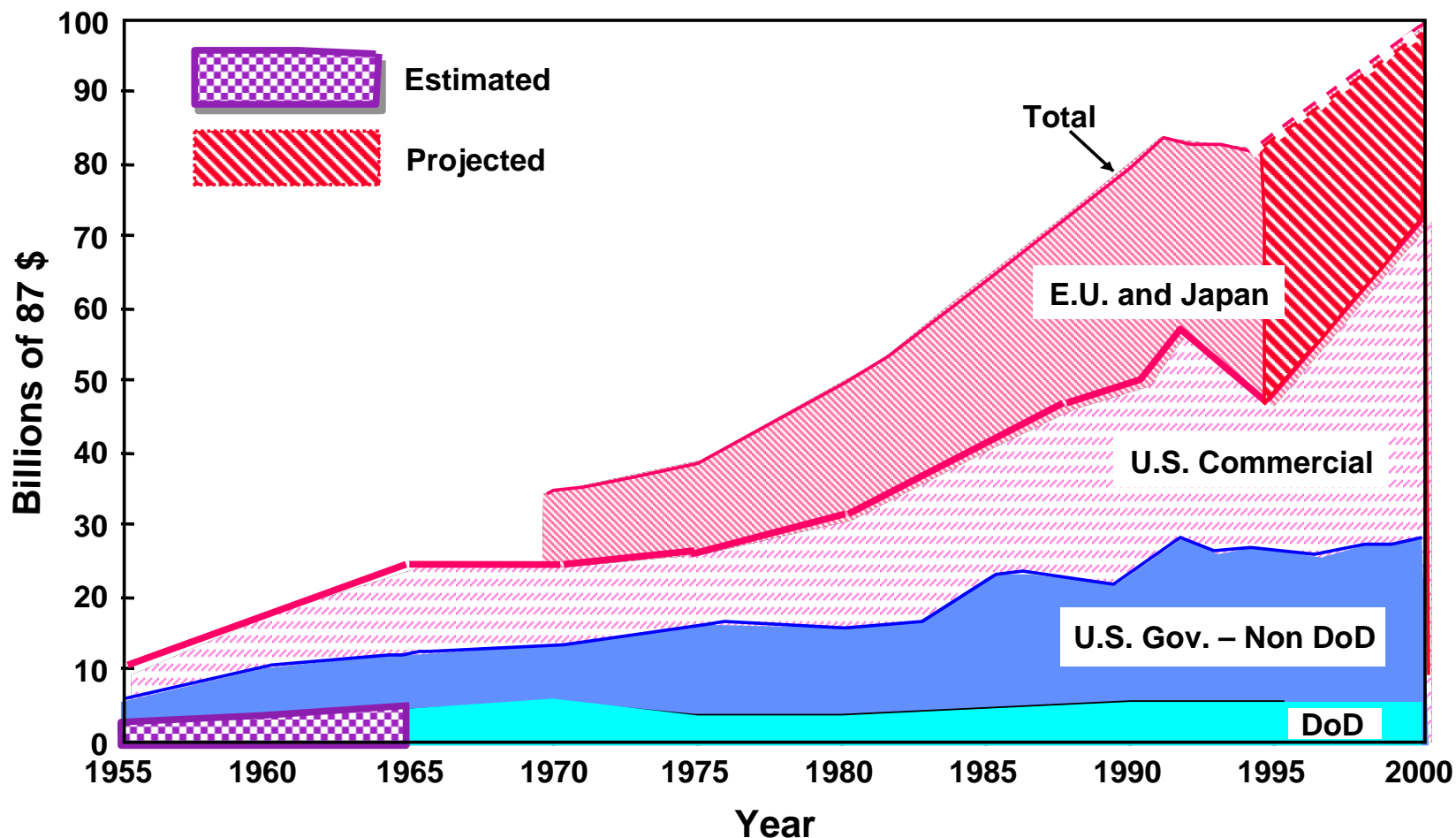
If a great technology is developed in the lab but no one uses it, does it make a difference



Technology Investment Compared to Other DoD Categories



Worldwide Research Base is Growing



Source: Report of the Defense Science Board Task Force on the Technology Capabilities of Non-DoD Providers; June 2000; Data provided by the Organization for Economic Cooperation and Development & National Science Foundation

The Pace of Technology Development



“Moore’s Law” → Computing doubles every 18 months

“Fiber Law” → Communication capacity doubles every 9 months

“Storage Law” → Storage doubles every 12 months

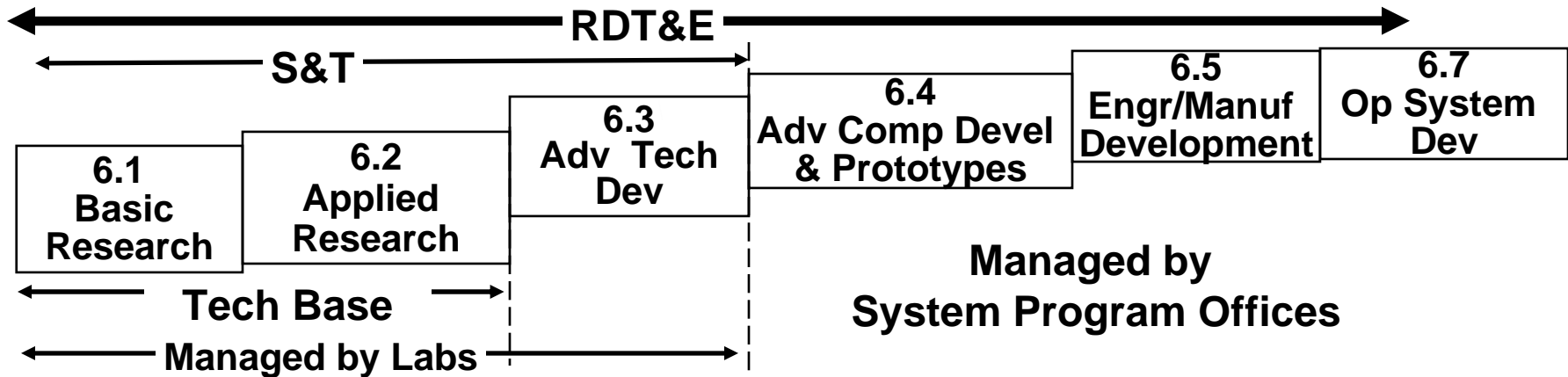
Defense Acquisition Pace

F-22	Milestone I: Oct 86	IOC: Dec 05*
Comanche	Milestone I: Jun 89	IOC: Sep 09

* Computers at IOC are 2,000 X faster, hold 130,000 X bits of information than they did at MS I

Technology growth outpaced the Acquisition process

The Challenge of Technology Transition



Technology Transition "Seam"

