International Technology Cooperation



Dr Tony Sinden

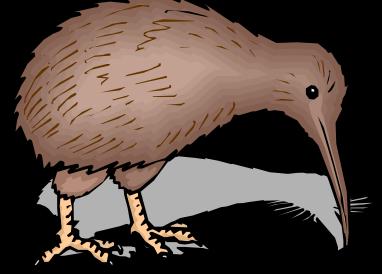
Defence Science and Technology Counsellor, British Embassy

Outline

Why Collaborate

How to Collaborate





Why Collaborate?







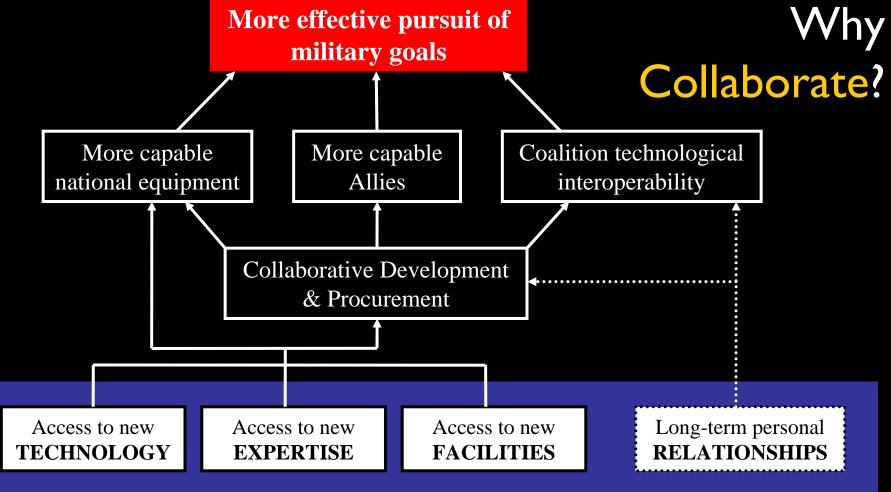


Why Collaborate?



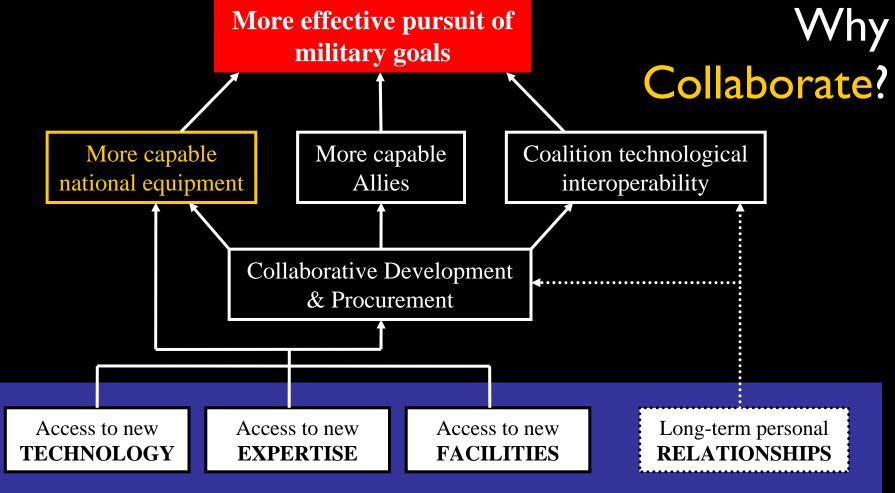






PROVIDED THROUGH COLLABORATION





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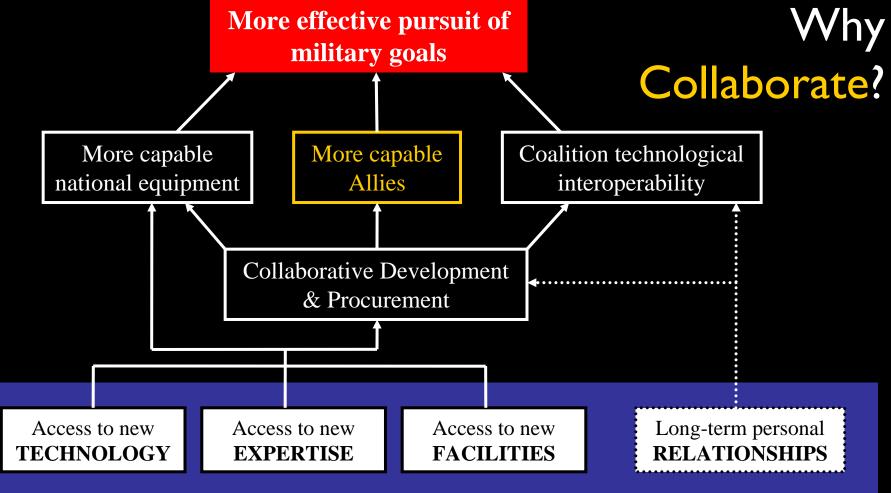




US benefits from overseas equipment development



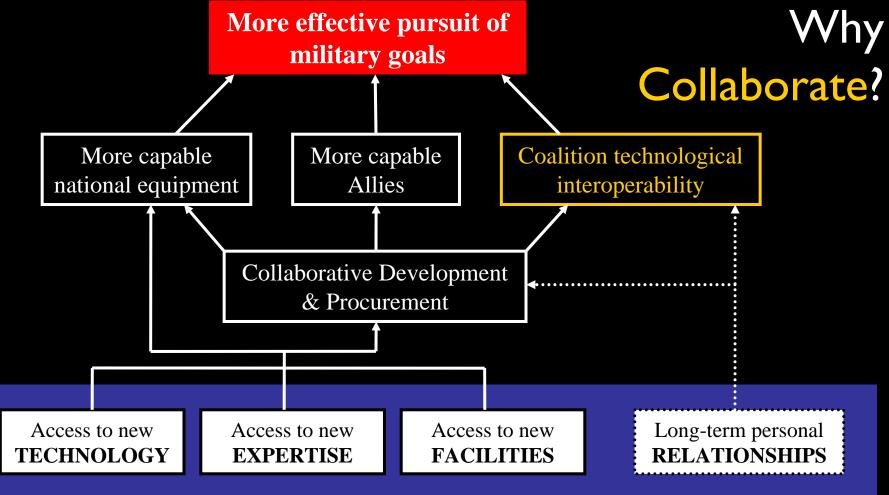




PROVIDED THROUGH COLLABORATION

Examples of Coalition Operations WWII Cold War Korea Vietnam Kuwait/Iraq (Desert Shield) Kuwait/Iraq (Desert Storm) Kuwait/Iraq (UNIKOM) Somalia Former Yugoslavia (UNPROFOR) Georgia Former Yugoslavia (IFOR) Kosovo **East Timor** Liberia Sierra Leone Mediterranean (Active Endeavour) Þ Afghanistan (Enduring Freedom) Afghanistan (ISAF) **Bosnia & Herzegovina (SFOR II)** Iraqi Freedom





PROVIDED THROUGH COLLABORATION

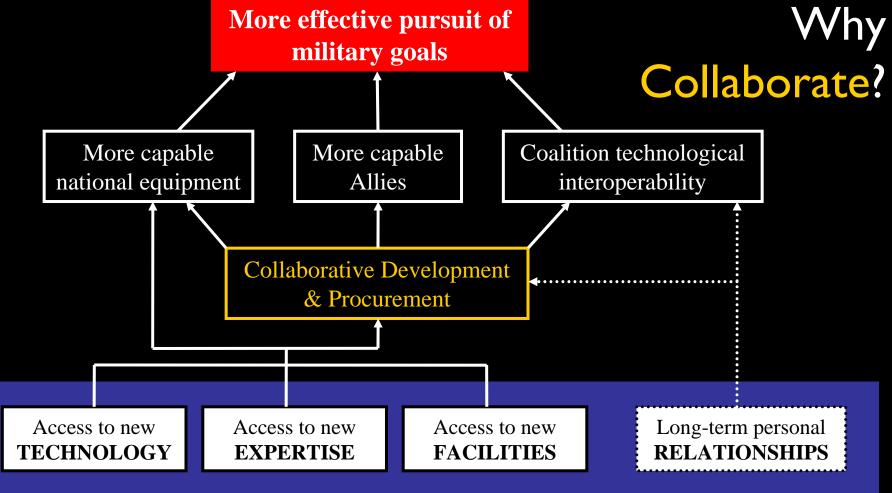


We operate side-by-side around the world

Iraq - 2003 1 Marine Expeditionary Force Commando Brigade 15 Marine Expeditionary Unit







PROVIDED THROUGH COLLABORATION

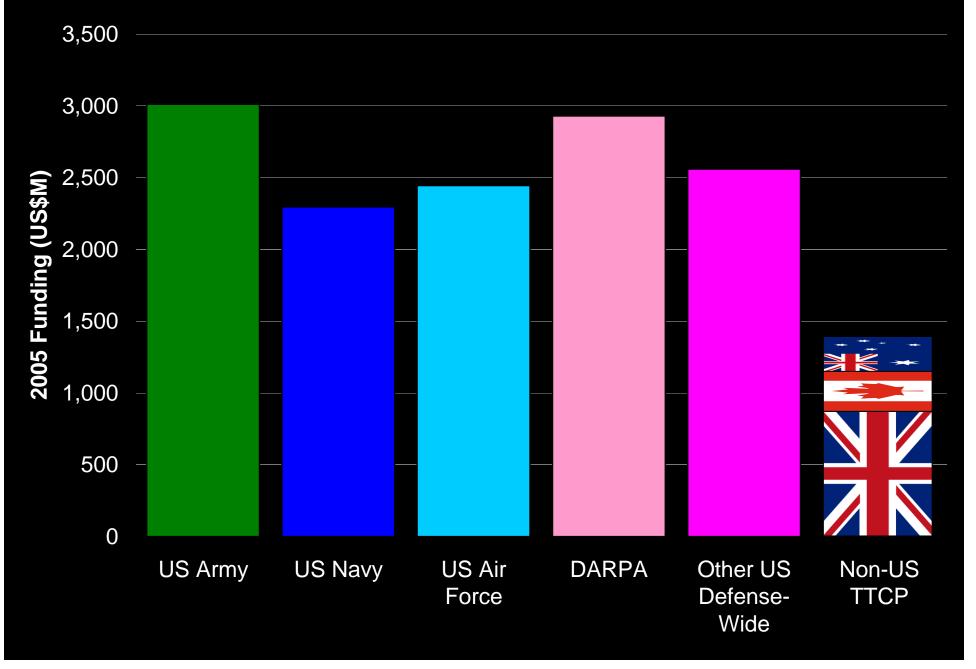
Top National Research Priorities

			*		***
Automation & Unmanned Systems	Х	Х	Х	Х	Х
CBR Mitigation	Х	Х	X	Х	Х
Combat Identification	Х	Х	X		
Counter-IED	Х	Х	X	Х	Х
Force Protection	Х	Х	Х	Х	Х
Hard & Buried Targets	Х	Х			
ISR	Х	Х	Х	Х	Х
Modelling & Simulation	Х	Х	Х	Х	
Nanotechnology	Х	Х	Х		
Networks & IT	Х	Х	Х	Х	Х
Through-Life Costs	Х	Х	Х	Х	Х
Urban Operations	Х	Х	Х	Х	

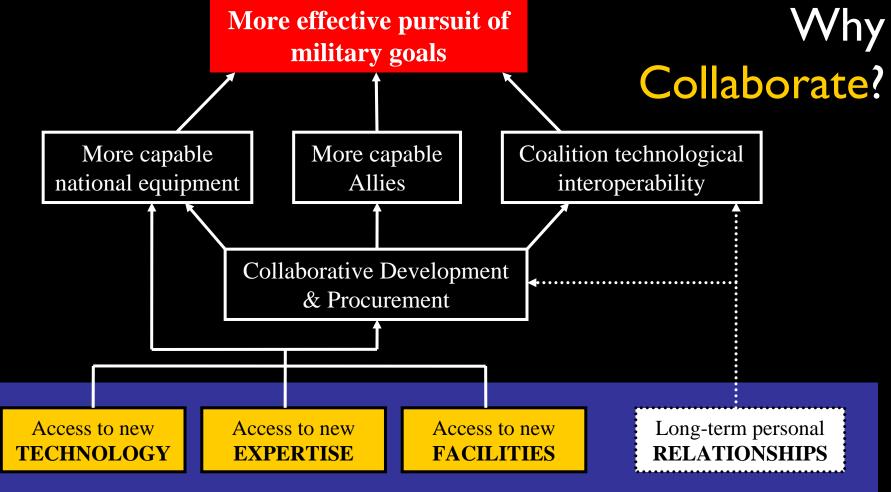
Implications for:

- Government program managers other people are working on the same problems as you...
- Industry managers there are other markets for your ideas...



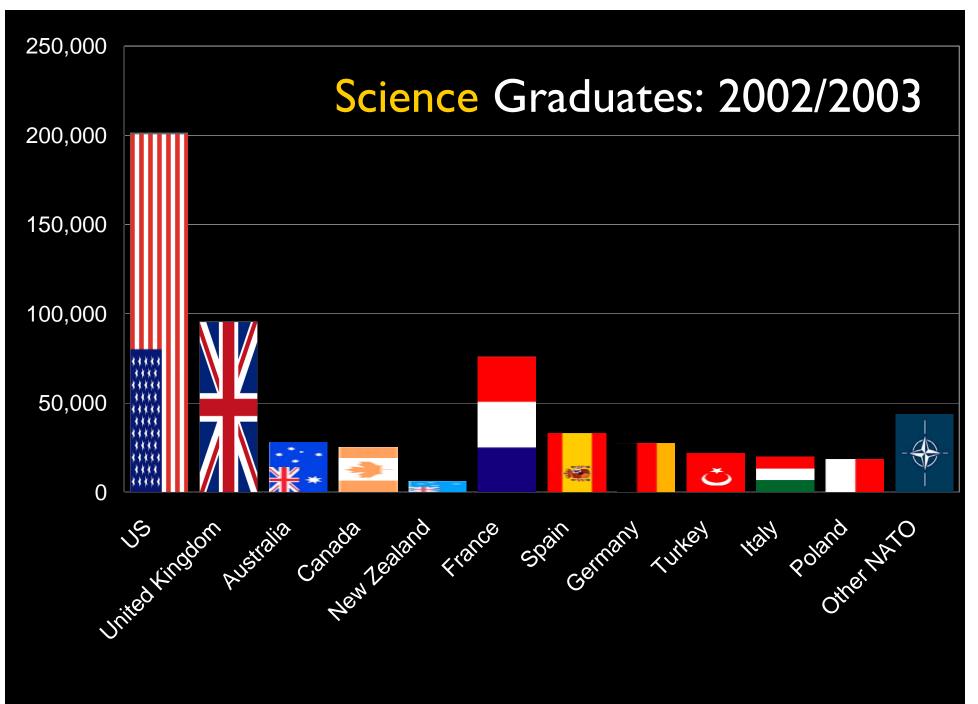






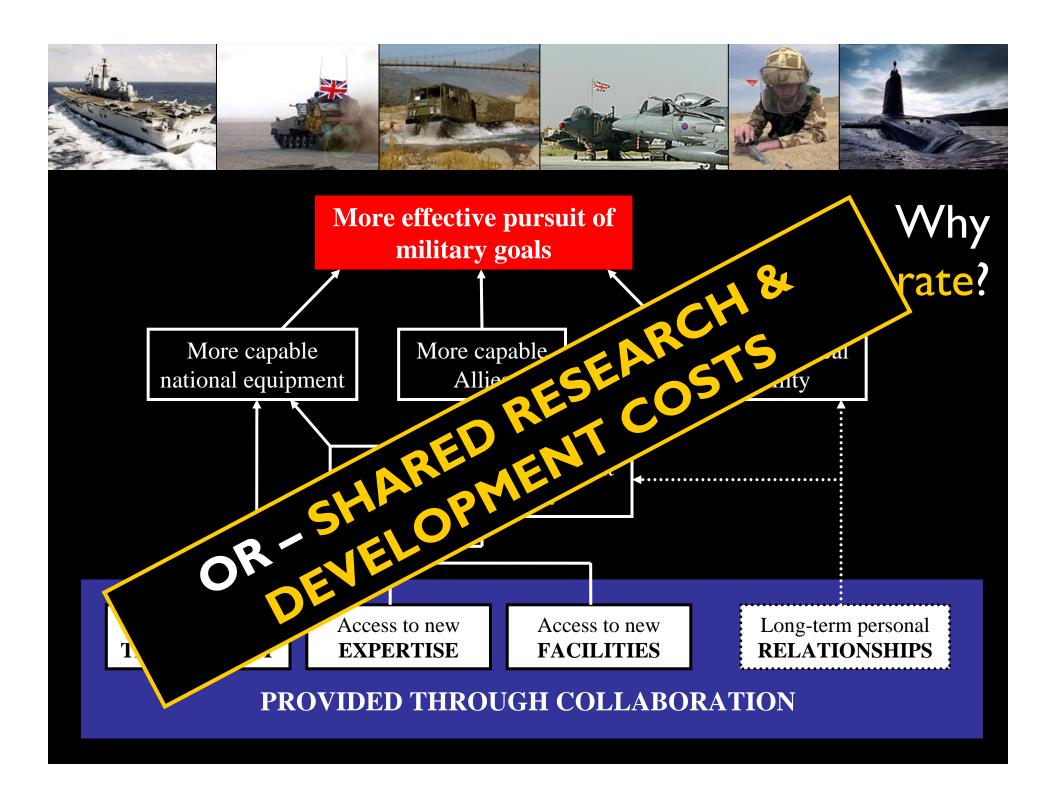
PROVIDED THROUGH COLLABORATION





Data Sources: http://www.uis.unesco.org/template/pdf/ged/2005/ged2005_en.pdf; http://www40.statcan.ca/l01/cst01/educ52a.htm.







Why Collaborate

How to Collaborate

How to Collaborate

US Program

US Government



Allied Program

Allied Government

US Industry

Allied Industry

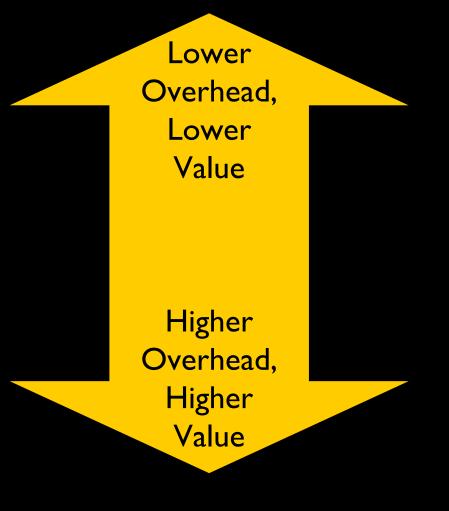
Government – Government

Information Exchange: share results of national programs

Cooperative Development:

coordinate & share results of national programs

Collaborative Development: mutually dependent, shared programs



Government – Government

Sources of Information (for US Government staff):

- US National Representatives to collaborative fora (e.g. TTCP, NATO) – for advice on Allied programs and collaborative channels
- Overseas US S&T Staff for advice on Allied programs, collaborative channels and processes
- DDR&E International Technology Programs staff for advice on collaborative channels and processes
- DoD International Agreements staff for advice on collaborative processes
- **Defense S&T staff in Allied Embassies** for advice on Allied programs, collaborative channels and processes

Government – Government

Wide range of existing collaborative arrangements (bilateral and multilateral), including:





The Technical Cooperation

Program (TTCP)

Chemical, Biological & Radiological (CBR) MoU



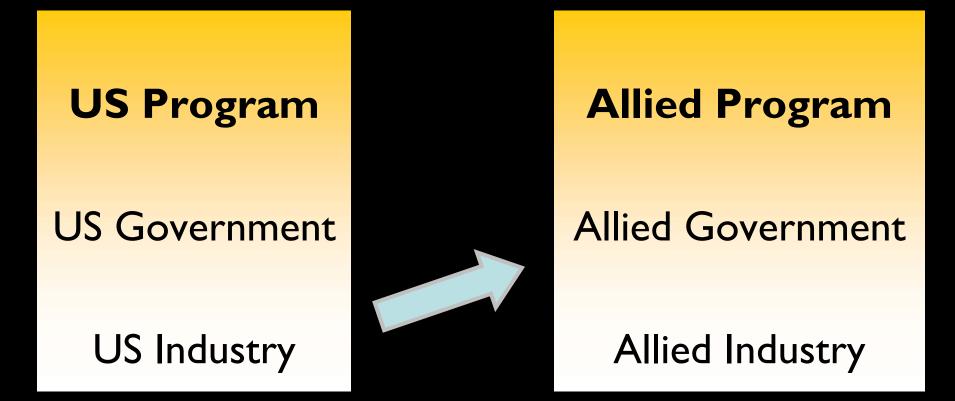
UK/US Research & Development Projects (RDP) MoU

UK/US Master Information

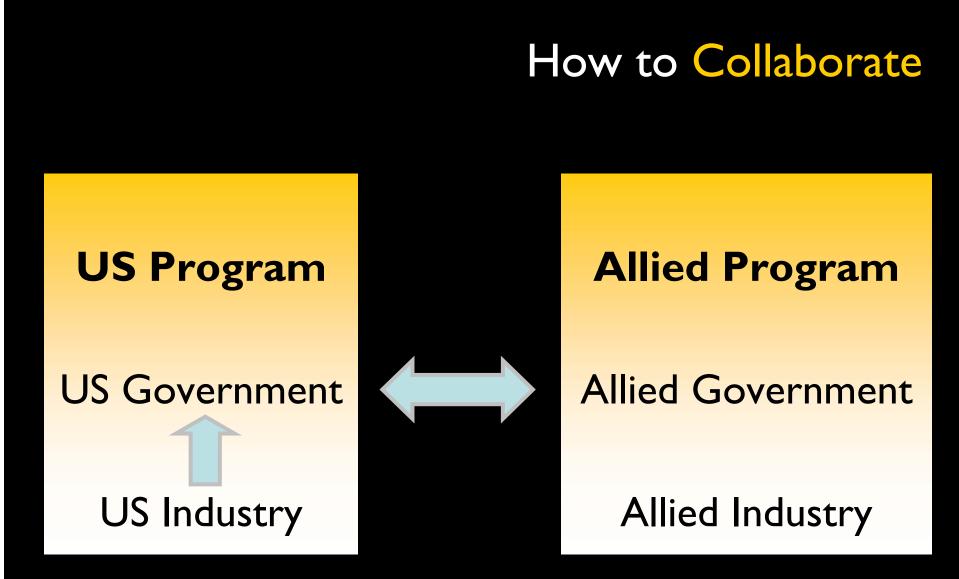
Exchange MoU (MIEM)



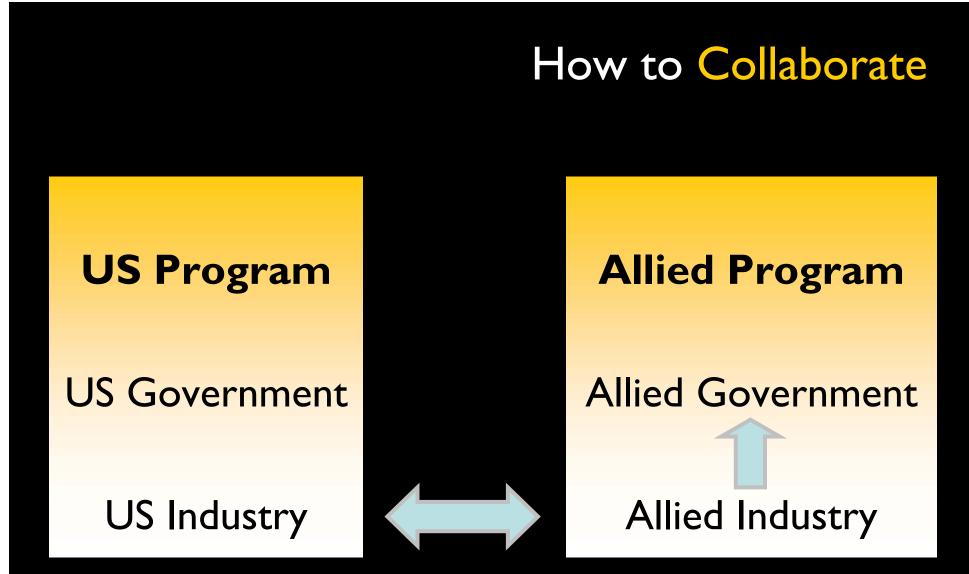
How to Collaborate



Contract directly with Allied Government via normal commercial channels (not true collaboration)

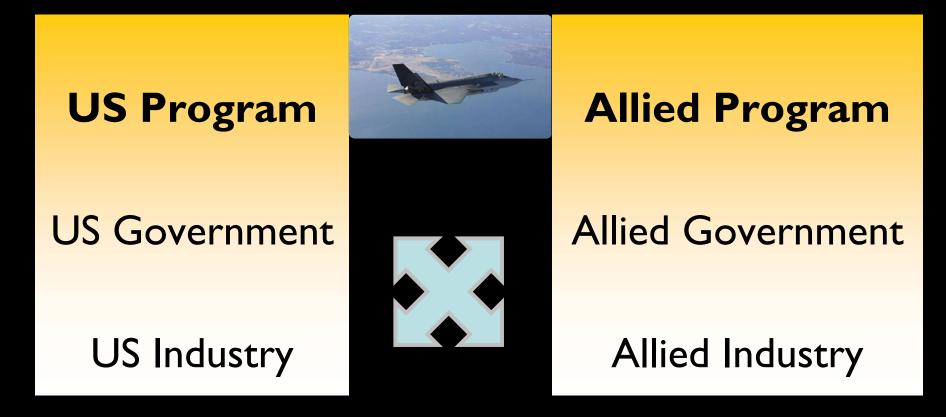


Use Government-Government collaboration to exchange outputs of complementary national programs



Use Industry-Industry collaboration to obtain a share of Allied program work

How to Collaborate



Multinational Government–Industry Partnership, e.g. JSF, Network & Information Sciences International Technology Alliance

Industry – Industry

Sources of Information (for US Industry staff):

- Allied S&T Managers for advice on Allied programs and opportunities
- **Trade Associations** Advice on opportunities and processes, fora (conferences, workshops ...)
- Allied Contracts Bulletins, etc. for advice on Allied programs and opportunities
- Defense S&T staff in Allied Embassies for advice on Allied programs and processes



Questions?

For further information please contact:

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