



SAND2018-1460C

Counterproliferation Dimensions within the Counter-WMD Mission Space



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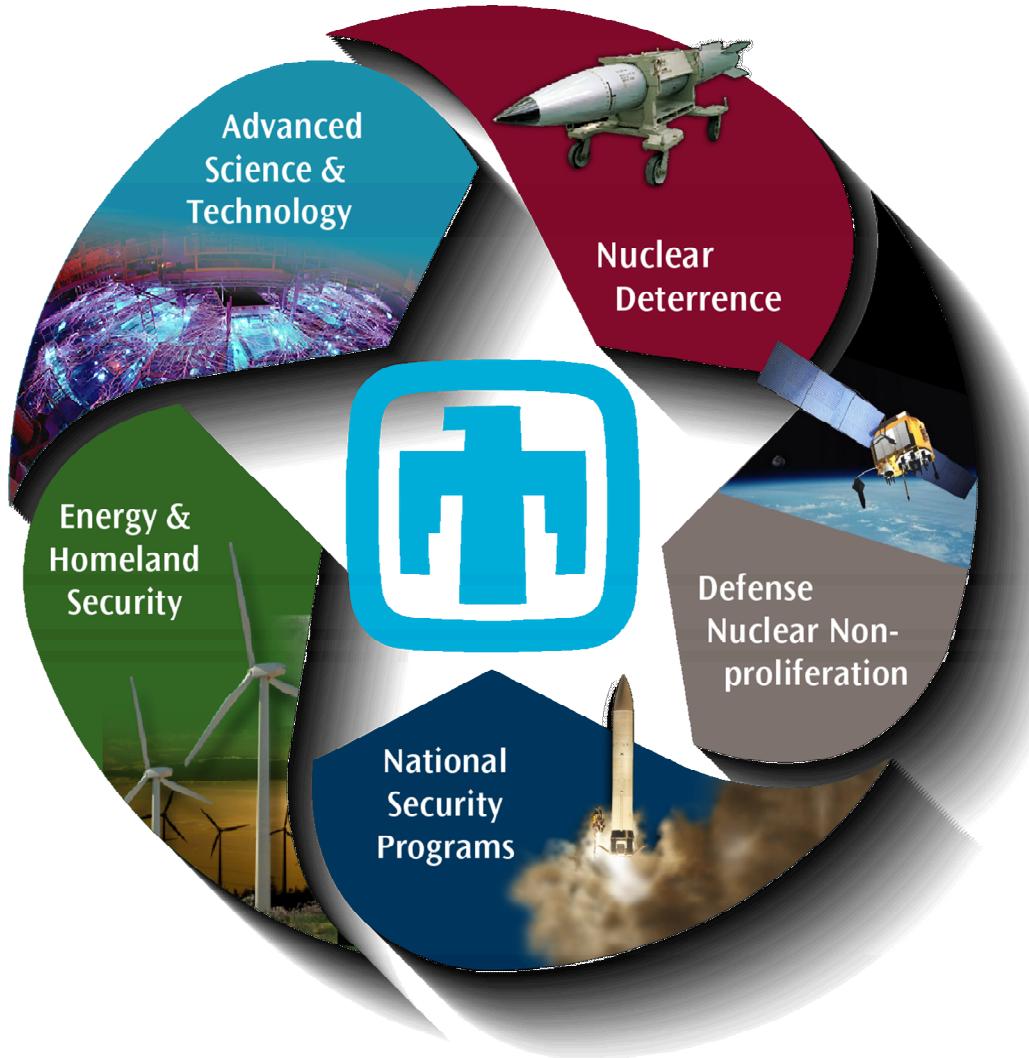
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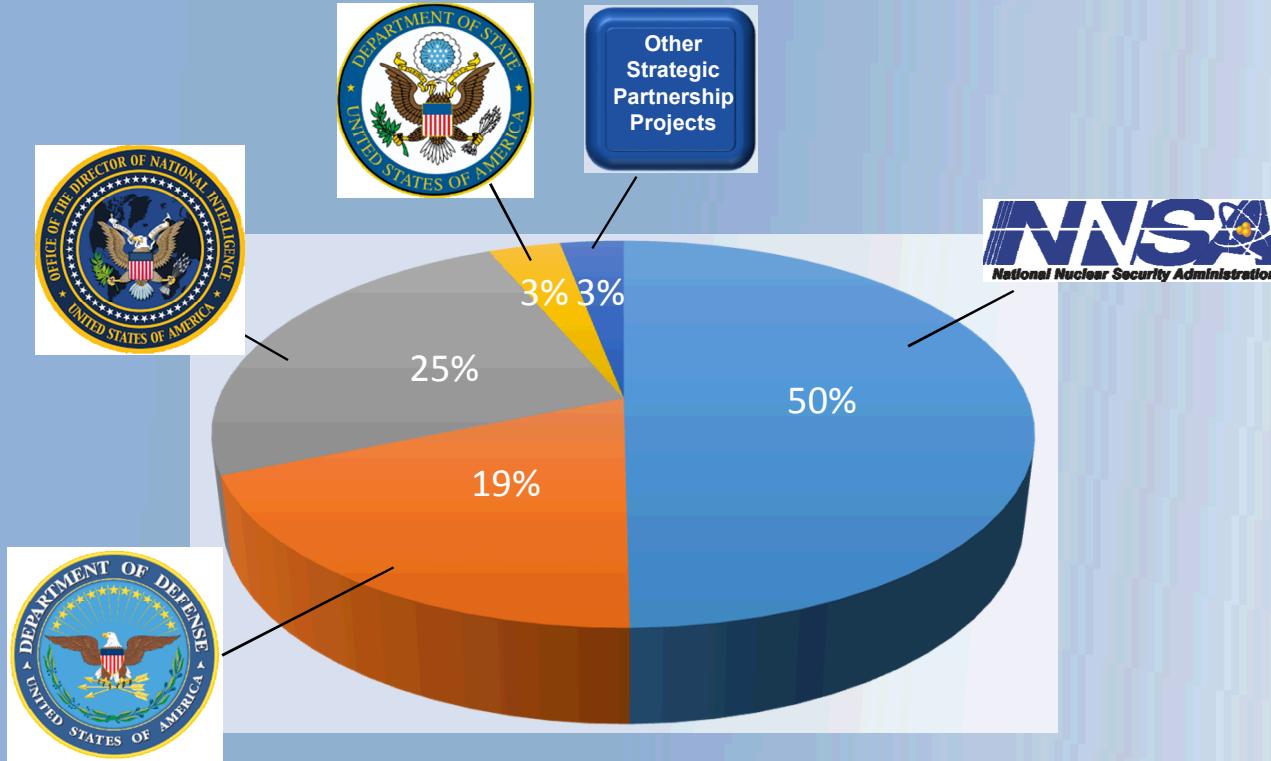


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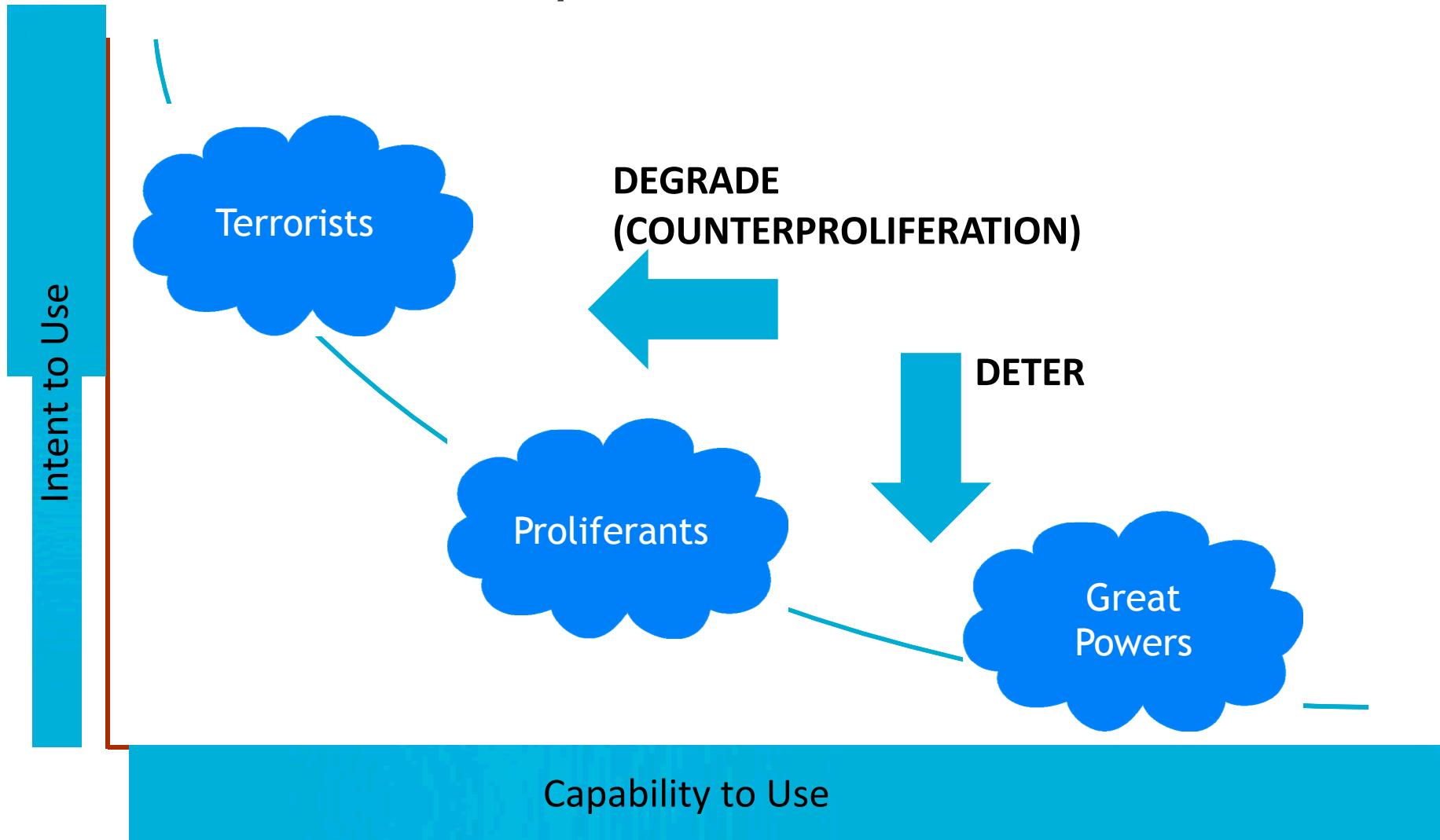
Sandia has five major program portfolios



Major sponsors and partners

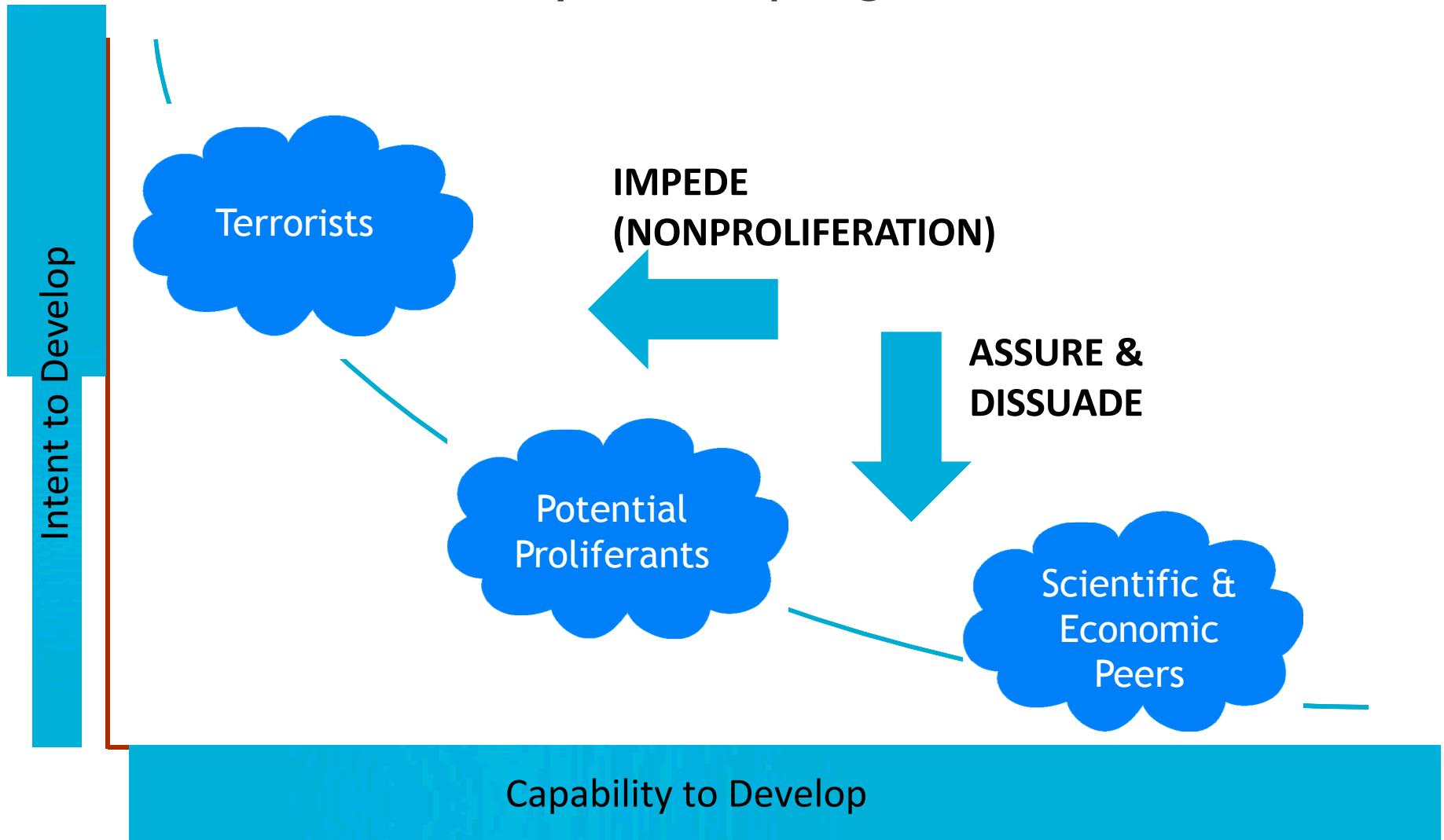


Threat of adversary WMD use



Counterproliferation is not a pillar within deterrence, but is better described as a complementary (and orthogonal) tool to reduce WMD threats.

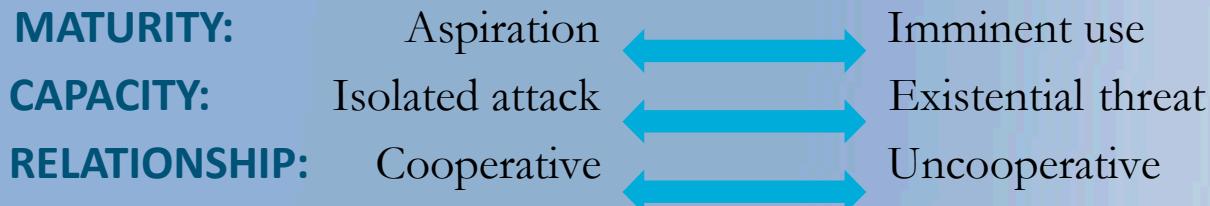
Threat of adversary WMD programs



“Left of threat” shaping phase includes more cooperative “cousins,” including NP and assurance.

Final thoughts

- We must develop a full suite of tools to counter the entire spectrum of WMD threats:



- Therefore, it may be more useful to assess our capabilities across this three-dimensional volume vs. single dimension “pillars” or “lines of effort”
- Much like our nuclear stockpile must provide for “tailored deterrence” to fill this threat volume, we need an even broader suite of capabilities to achieve “tailored counterproliferation”
- In areas where nuclear deterrence has limitations, CP must move to fill the gaps
 - Rapid innovation
 - Global partnerships
- Complexity of the CP mission space is matched by the complexity of US partner relationships (DoD, IC, NNSA, DHS, FBI, ...).