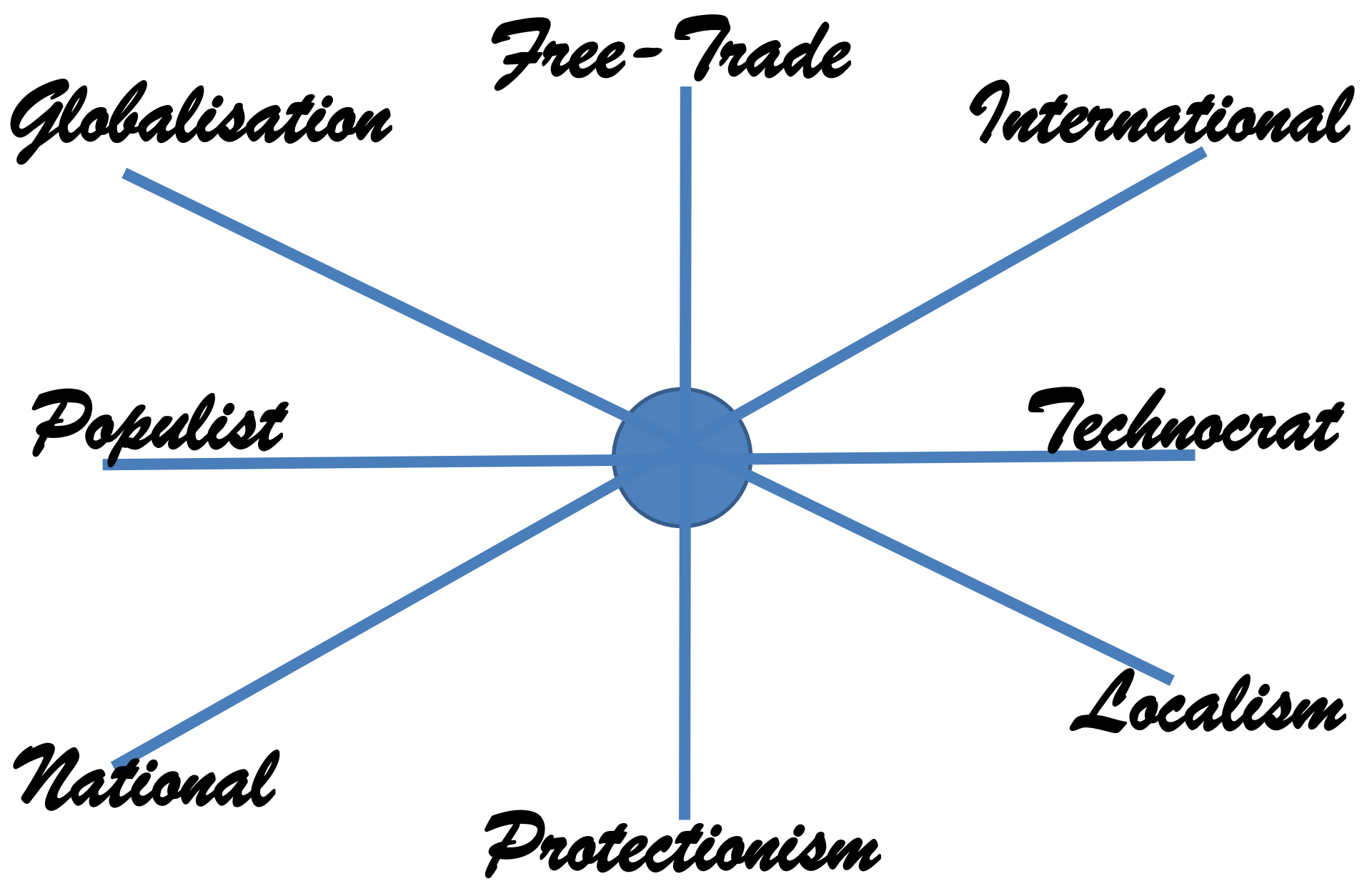
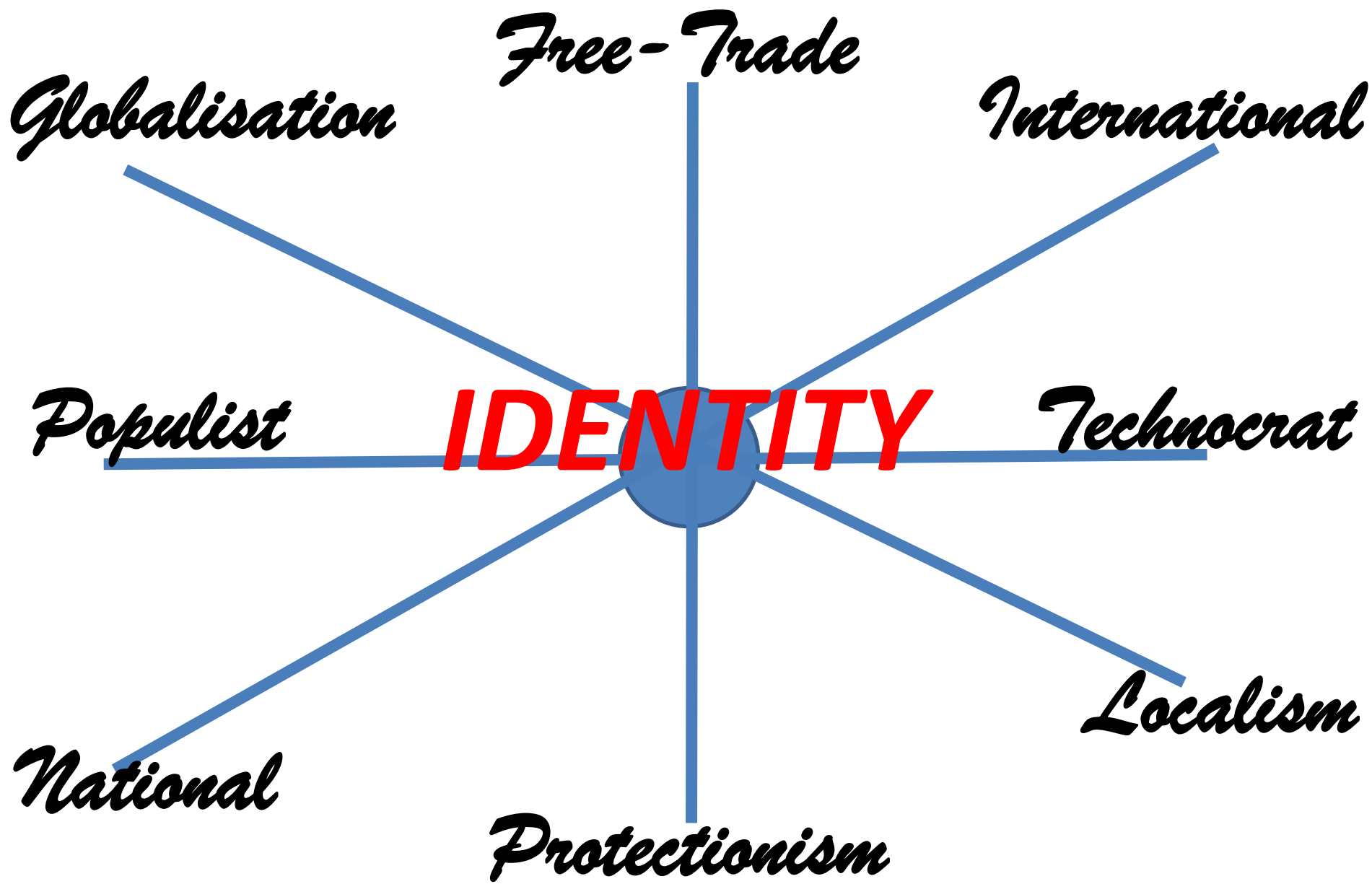


Defence and Security: Today and Tomorrow

Professor John Louth

Director, Defence, Industries and Society, RUSI





View from Washington DC

- Strategic Threat: China
- Mid-Threat: (Russia), Iran, North Korea
- Near-Threat: ISIL, Immigration

View from Brussels

- Strategic Threat: Russia
- Mid-Threat: Nationalism in Europe
- Near-Threat: ISIL, Non-European Immigration

View from NATO

- Which NATO? ACT or SHAPE?
- Europe or Out-of-Area?
- Political NATO or operational NATO



China, Russia, Iran, North Korea, IS and Terrorism

“CRICKET”

	USA	UK	France	GCC	Aus	NATO
China						
Russia						
Iran						
North Korea						
Nationalist Extremism						
Internationalist Extremism						
Terrorism						

“CRICKET”

	USA	UK	France	GCC	Aus	NATO
China						
Russia						
Iran						
North Korea						
Nationalist Extremism						
Internationalist Extremism						
Terrorism						

Security Policy

Economic Policy

Social Policy

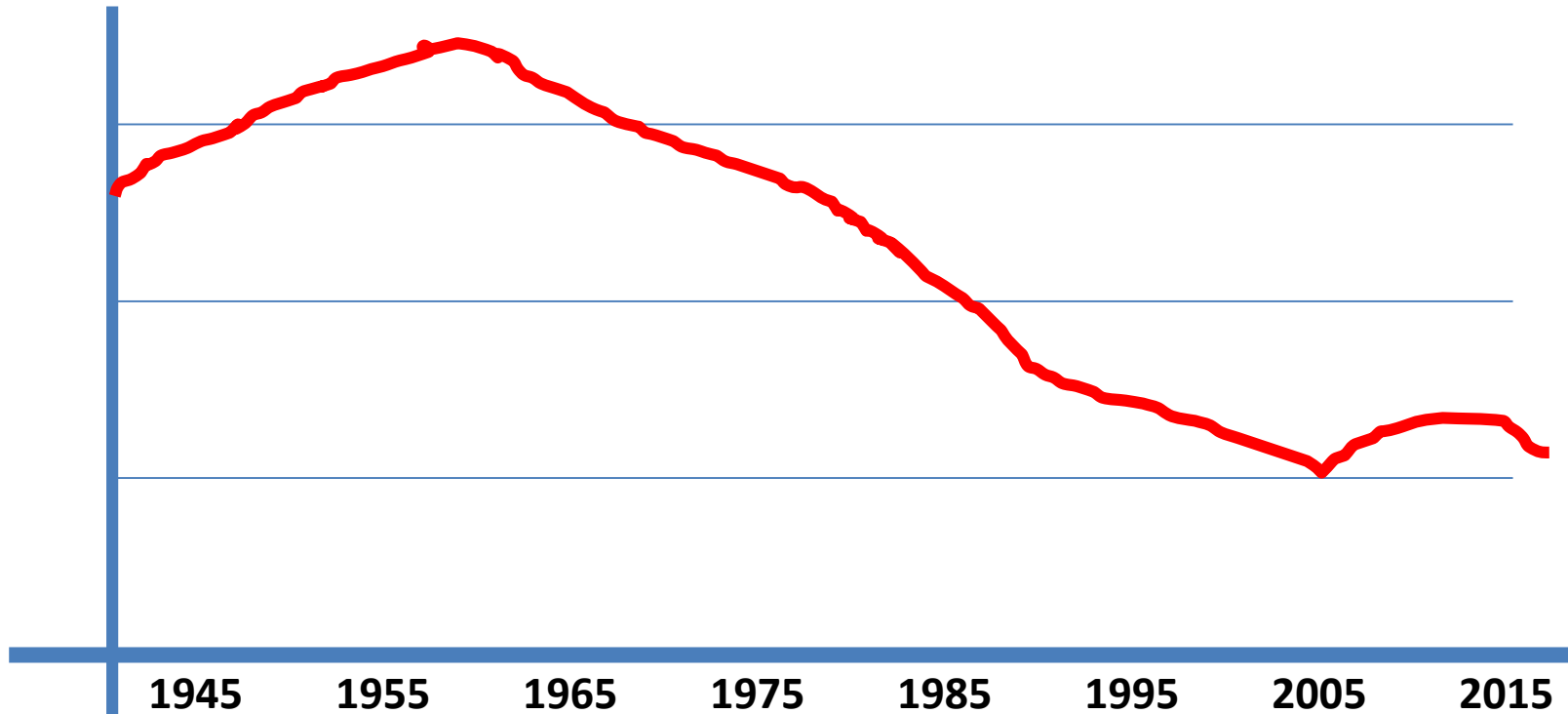
Technology

- Traditional View – West wins through technological advantage
- Technical Advantage Shrinking
 - “China and Russia have caught-up”
Gansler
- The New Divide
 - Invention (research)
 - Innovation, adaption and adoption (development)

Technology

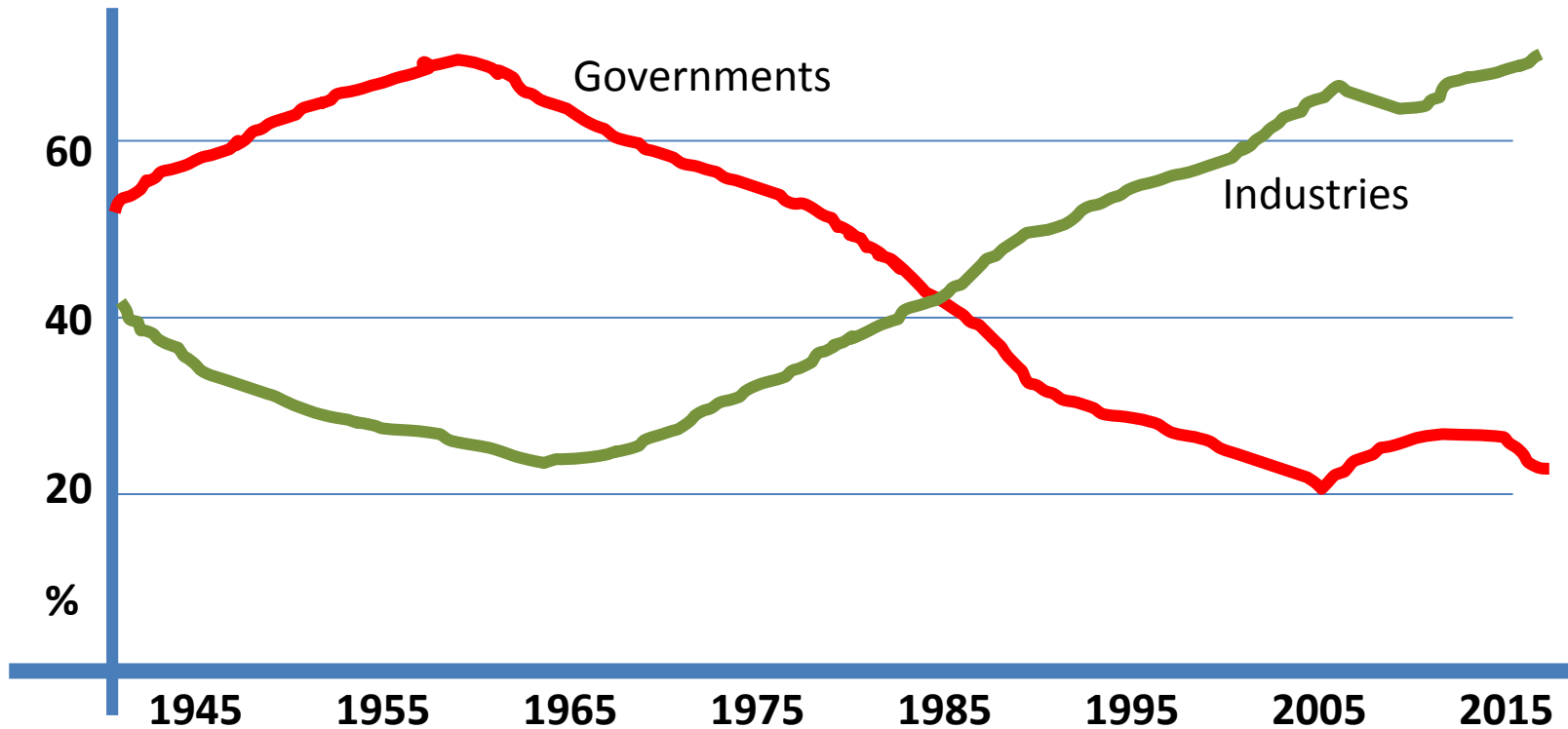
- US Third Offset Strategy
 - US 5-Year Defence Budget
 - Disruptive Technologies
 - Stealth
 - Non-Kinetic
 - Networked/adaptive
 - Self-healing
 - Exclusive to the US and “close” allies

Govt Sponsorship of S&T



Source: Democracy's Arsenal 2011

Commercial Sponsorship of S&T



Source: Democracy's Arsenal 2011

Research, Applied Research and Development - UK

Research

Applied Research/Development

S&T

Acquisition Programmes/Projects

£400M

£18Bn *(Equipment or Support?)*

Research, Applied Research and Development

Research

Applied Research/Development

UK Def

S&T

Progs/Projects

2.5%

97.5%

US Def

S&T

Progs/Projects

15%

85%

CP

S&T

Progs/Projects

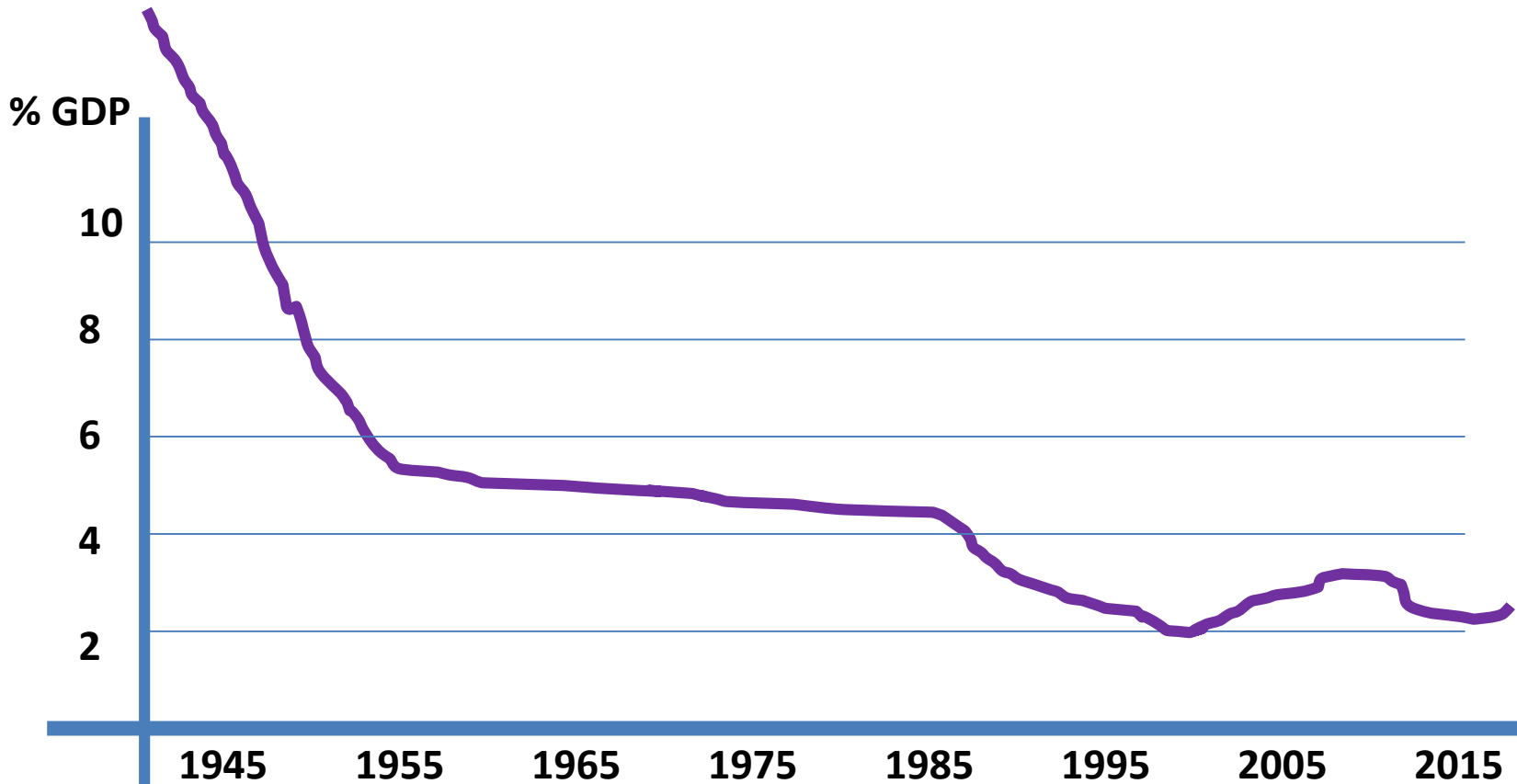
25%

75%



Defence and Security Spending

Defence Spending/Europe & “5 Eyes”



Source: SIPRI, 2015

Spending -Themes

- Defence and Security Spending is “Stove-piped”
- The “networked” effect/requirement of defence and security spending is still being ignored.
- Tension between:
 - Offensive-Defensive
 - Projection – Border Protection
 - At Border – In-border

Themes (2)

- Support Services v Original Design and Manufacture
- Competition within the Supply Chain below Prime Level
- Complexity of the Supply Chain
- Future investments in IP/Licensing rather than equipment
- Capability Sustainment v Manufacture

Questions?