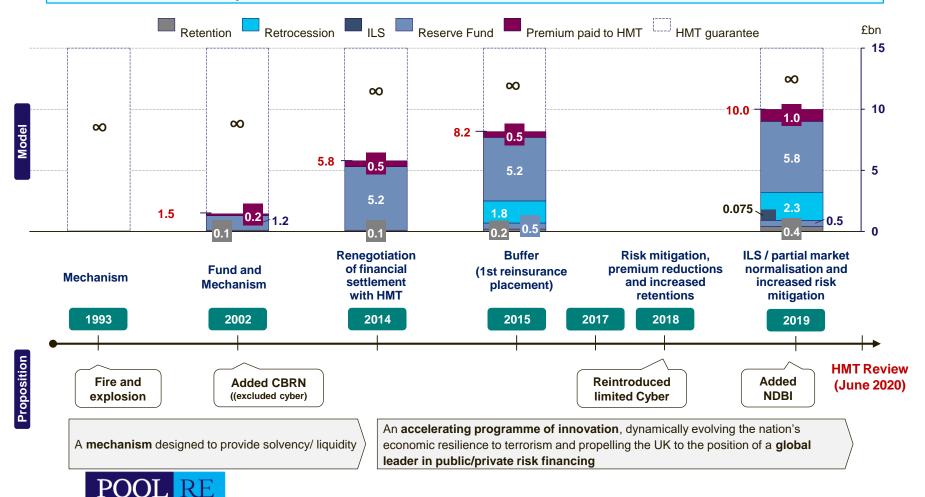




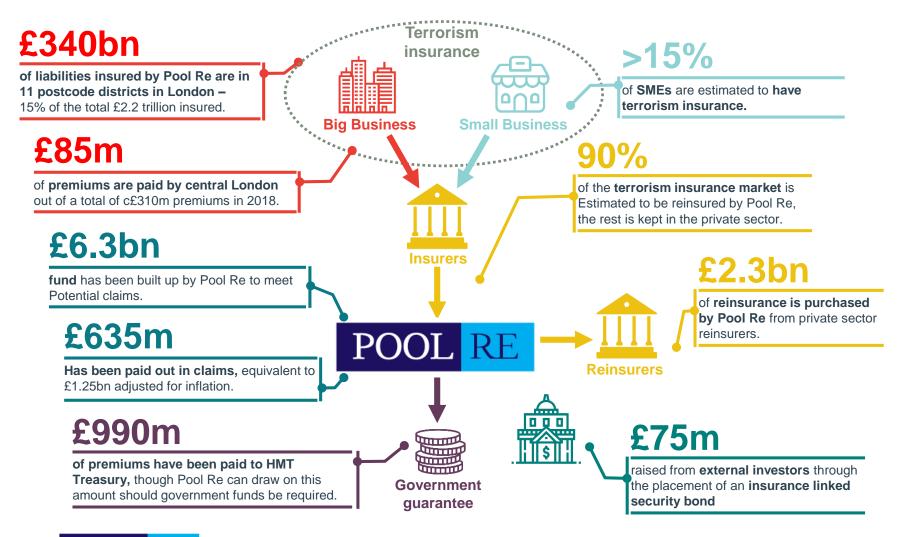
# Pool Re has adapted its model and proposition to reflect the changing terrorism and (Re)insurance landscapes and to re-engage commercial (Re)insurers

Pool Re has successfully fulfilled its core purpose, which has strengthened national resilience while distancing the taxpayers from a terrorism incident. This will need to be recognised as part of the outcome of the 2020 review if it is to continue to evolve effectively.



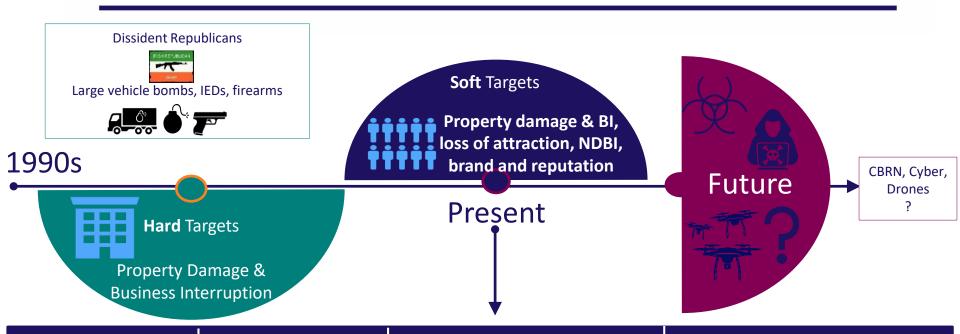
REINSURING TERRORISM RISK

# From a simple solvency mechanism, Pool Re has evolved into a critical component of both the financial and governmental infrastructure





# **Evolution of Terrorism in Great Britain**



#### **Actors**

Islamist
Extreme Right Wing
Dissident
Republicans
Other forms of

extremism

#### **Methodology**

Bladed and Vehicle

Homemade IEDs

**Firearms** 

#### **Targets**

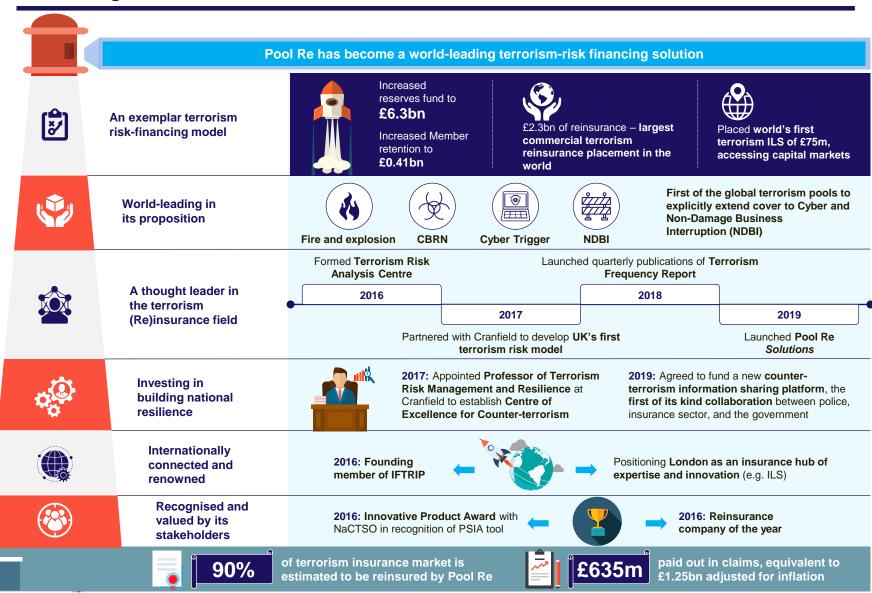
Crowded Places
Critical National Infrastructure
Police, military and
government
Symbolic
Property

#### **Attacks & Plots**

- 9 attacks since March 2017
- 7 Islamist, 2 XRW
- 19 plots
- 14 Islamist, 5 XRW
- **221** persons in custody for terrorism-related offences
- 79% Islamist, 13% far right, 8% other



## Pool Re is now widely regarded as a world-leading terrorism riskfinancing solution

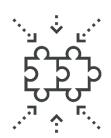


### Broader Application of the Pool Re Model



The success, experience and benefits of the model the UK uses to address the problem of financial fallout from terrorism, can and should be replicated to address other risks which are presently either uninsured or insufficiently insured.

Doing so would be in **the national interest**, **and benefit the insurance industry**, since by eliminating protection gaps, a virtuous circle of resilience, innovation and economic growth shared between insurers and HM Government would be created.



**HM** Government's National Risk Register recognises the increasingly complex risk universe in the **UK**. Old risks remain; new risks are emerging; some risks are transforming and there are increasing interdependencies between risks.

As such, it is logical to leverage Pool Re's expertise to first expand the model to ensure broad, clearly understood, affordable coverage with high take-up with respect to the terrorism peril and then, second, to use the model as a template and apply it to other risks.

Pool Re has proven that, with the 'safety net' of HMG's guarantee, the private sector is able to internalise a significant portion of the accrued liabilities from what would otherwise be uninsured risk.

It is possible to reach into these areas of risk which are difficult to insure and, therefore, pose existential threats to the safety and prosperity of the nation by creating a pooling mechanism that can act as an incubator and thus allow new markets to flourish ad thereby begin to address them by creating the underwriting ecosystem.



A single, consolidated approach (a CAT Re) could benefit from economies of scale and crosssubsidy, leverage London's world leading position, bridge protection gaps, and through pooling expertise lead to a more dynamic and responsive (Re)insurance market that is able to create wealth, build societal resilience by influencing consumer behaviour to mitigate risk, accommodate the changing face of risk and position the UK as a thought leader in the field.



In engaging with other risk-financing schemes around the world, we observed that Pool Re could potentially serve as a template for creating markets in other difficult to insure perils *beyond* terrorism



#### Other Global Schemes

- In helping to build resilient economies, innovative riskfinancing solutions involving the public sector are not limited to terrorism, nor to the UK
  - For example, Mexico's FONDEN protects against natural disasters and is funded by the government. This is supplemented with FOPREDEN, a federal fund to support disaster prevention investment



#### **Complex Risk Environment**

- The risk universe is continuously expanding and becoming more complex with new risks emerging, old risks transforming and the complex interdependencies between risks. This has lead to protection gaps in the UK.
- A protection gap entity, such as Pool Re, could address this by making the difficult to insure insurable, increasing resilience and creating markets where they would not otherwise exist



#### **Government Risk Register**

- The Government, via its National Risk Register, recognises that the increasingly complex risk universe is expanding in the UK (e.g. hazards, diseases, accidents, societal risks, and malicious attack risks)
- Through Pool Re, the Government only has terrorism covered, though non-property terrorism protection gaps remain

Pool Re's world-leading terrorism-risk management solution could be expanded or replicated in certain situations:

- perceived uninsurable risks and emerging perils
- where significant risk sits on the Government's balance sheet and it is driven to do something about it
- 3 where there are significant protection gaps

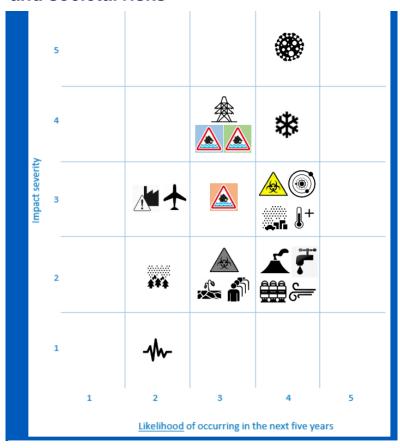
# There are two ways of insuring additional risks:

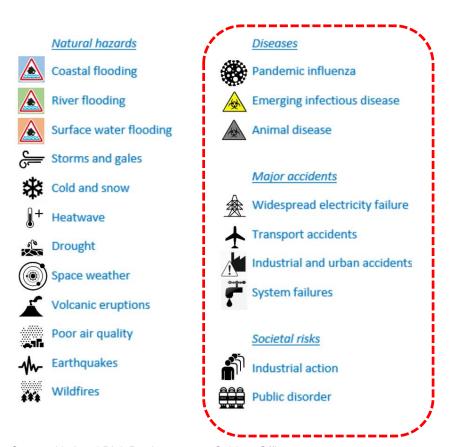
- 1 Individual risk pools; or
- 2 Single, combined risk pool (See next slide)
- 3 Cyber is the most obvious and most pressing test case for this premise



# The Government, via its National Risk Register, recognises that an increasingly complex risk universe is expanding in the UK

# Matrix A – Hazards, diseases, accidents and societal risks



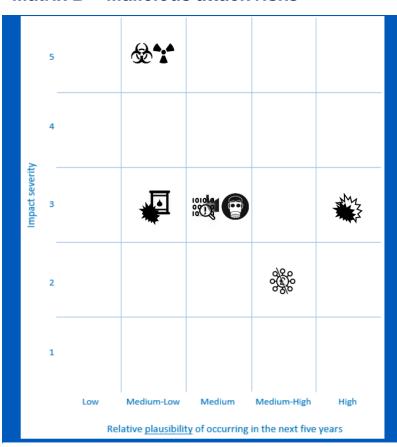




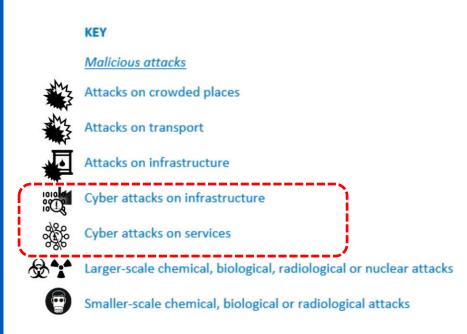


### Through Pool Re however, it only has Terrorism covered...

#### Matrix B - Malicious attack risks



... and even here, as has been demonstrated, there are gaps in the cover provided that could be closed if the political will existed and if the value/ potential of the model were better understood.



Source: National Risk Register, 2017, Cabinet Office



### The link between Pool Re and the Cyber issue

Then... ... and Now





Like NotPetya, the costliest future cyberattacks are likely to be state-sponsored. These will only remain an insurable risk if the losses do not rise too high. In the aftermath of a cyber loss equivalent to 9/11, coverage may become prohibitively expensive, as it did for terrorism in 2001.

- Accepting that they are not the same, there are nonetheless similarities between Terrorism and Cyber:
  - Difficult to price (frequency and severity)
  - o Adaptive (unlike hurricanes, don't alter methodology to bypass protective security)
- Would the industry not be better off confronting these issues up front and designing a solution before one becomes a necessity due to market failure post loss?
- Doing so would allow the industry to demonstrate that protecting its profit opportunity and achieving a public
  policy goal are mutually reinforcing.
- If a **foreign government** reacts first, it may allow their economy to steal a march in making itself more attractive to investment

## Benefits and Beneficiaries of State-Backed Risk Pooling



- ✓ Liabilities removed from balance sheet
- ✓ Evidence based funding for disasters
- ✓ Economic efficiency: commercial capacity maximised
- Reduces moral hazard
- ✓ Drives risk-reflective pricing

- Receives a premium for its guarantee(s)
- Minimises financial involvement in risks
- ✓ Unlikelihood of market failures
- Optimised risk-sharing between policyholder, (re)insurance market, capital markets



- ✓ Global reputation for thought leadership
- ✓ Favourable business climate post-Brexit
- ✓ Social welfare of citizens
- ✓ Conduit to / leveraging of private market, academia
- √ Value for money for taxpayer
- ✓ Incentivises consumer behavioural change, building social resilience
- ✓ Investment in resilience innovation



- ✓ New markets for growth and profit creation
- Opportunities for innovation
- ✓ Solvency / regulatory satisfaction
- ✓ Advances in modelling and actuarial analysis

- Advances in risk management
- Reputation
- Emerging / difficult to insure risks are incubated until sufficiently understood and commercially viable



**UK Plc** 

- ✓ UK is an attractive place to invest
- ✓ Liquidity at point of crisis
- Businesses are able to rebuild post-disaster
- Areas will be rebuilt and regenerated

- ✓ Increase resilience from crisis
- Investment in risk planning and preparation
- Scope for innovation and growth in the financial sector



**UK Citizens** 

- ✓ Higher take up of insurance
- Improved equality
- ✓ Capacity of insurance to drive behavioural change
- Wider spread of risk may reduce cost to policyholders
- ✓ Stronger, more resilient communities

