

## 2023 UK BIOLOGICAL SECURITY STRATEGY

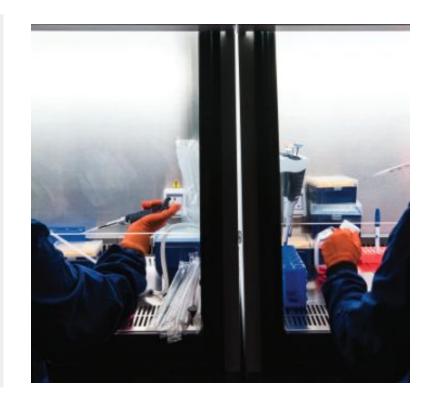
**UK GOVERNMENT** 

BTWC Meeting of State Parties 13 December 2023



#### **BACKGROUND**

- The UK's first Biological Security
   Strategy was published in 2018.
- The 2021 UK Integrated Review committed to a refresh of the UK's approach to Biosecurity.
- The Cabinet Office led development of the 2023 UK Biosecurity Strategy.
- Strategy development included a review of the risk landscape.





#### STRATEGIC FRAMEWORK

Our vision is that, by 2030, the UK is resilient to a spectrum of biological threats, and a world leader in responsible innovation, making a positive impact on global health, economic and security outcomes.

Understand	Prevent	Detect	Respond
The biological risks we face today, and into the future	Biological threats from emerging or from threatening the UK and UK interests	Characterise and report biological risks as early and reliably as possible	To biological risks to lessen impact on the UK and UK interests and enable a rapid

return to normal



#### STRATEGIC ENABLERS

UK
Leadership,
Governance
and
Coordination

UK Science
Base, Health
and Life
Science
Sectors

International
Collaboration
and
Partnerships

#### STRATEGIC FRAMEWORK: OUTCOME 6

VISION: By 2030, the UK is resilient to a spectrum of biological threats and a world-leader in responsible innovation, making a positive impact on global security, economic and health outcomes.

OUR MISSION: To implement a UK-wide approach to biosecurity which strengthens deterrence and resilience, projects global leadership, and exploits opportunities for UK prosperity and S&T advantage.

UNDERSTAND the biological

**DETECT**, characterise and report biological risks when they do emerge as early and reliably as possible.

OUTCOME 1 (CO)

A real-time integrated Biothreats Radar assured by experts

**OUTCOME 5 (DSIT)** 

The UK is a world leader in responsible innovation. shaping international norms and standards

**OUTCOME 9 (UKHSA)** 

A national biosurveillance network engendering a One Health approach

OUTCOME 2 (CO)

Timely access to relevant data through established data and information standards and sharing protocols, to support evidence based decision making OUTCOME 6 (CPACC)\*

Prevent state and non-state actors from developing. producing, acquiring, transferring, stockpiling and using biological weapons

**OUTCOME 10 (UKHSA)** 

Enhanced capability to rapidly roll out diagnostics for population use in

**OUTCOME 3 (UKHSA)** 

A coordinated UK biological security awareness public information campaign

OUTCOME 4 (CO)

Regular domestic and

international exercising of our

collective preparedness and

defences to biological threats

**OUTCOME 7** (DHSC/DEFRA/FCDO)

Reduce the risk from the spread of infectious diseases, pests and invasive species. including drug resistant infections, in the UK and overseas

OUTCOME 8 (HO)

A UK Border which maintains biological security and creates prosperity

response to new or existing biological threats

OUTCOME 11 (MOD)

A strengthened national microbial forensics capability

OUTCOME 15 (DEFRA)

OUTCOME 12 (FCDO)

A coordinated international response

to a natural outbreak, accidental

release or deliberate attack

OUTCOME 13 (CO)

A comprehensive set of tested

response plans which are ready to

guide UK responses to a spectrum

of biological threats

OUTCOME 14 (DHSC/UKHSA)

Capability to scale up discovery and

development of therapeutics and

vaccines within 100 days underpinned

by targeted R&D programmes across

the range of biological threats

Capability to remediate a scene or area within the UK that has been contaminated by hazardous biological material in a small or medium scale incident

STRATEGIC ENABLERS

STRATEGIC ENABLER 1: GOVERNANCE. LEADERSHIP AND COORDINATION (CO)

Formalised UK leadership, governance and accountability for biological security, to strengthen collective decision making, and improve preparedness and response for incidents affecting the UK.

STRATEGIC ENABLER 2: UK SCIENCE BASE, HEALTH AND LIFE SCIENCE SECTOR (DHSC/DSIT)

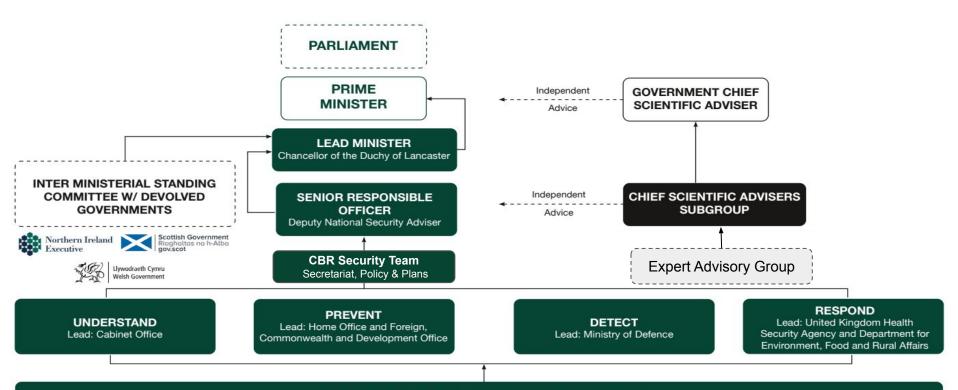
A world-class science base, resilient S&T capabilities against the spectrum of threats, and a thriving Health and Life Sciences sector, increasing trade and stimulating growth and investment across the UK.

STRATEGIC ENABLER 3: INTERNATIONAL LEADERSHIP (FCDO)

International engagement and leadership to improve global health security and future pandemic prevention, preparedness and response, shape international biosafety and biosecurity norms. standards, practices and strengthen non proliferation instruments and mechanisms.



### LEADERSHIP AND GOVERNANCE



#### DEPARTMENTS, DEVOLVED GOVERNMENTS, AGENCIES

Engaging via regular pillar group meetings and aligned boards



# PREVENTING DEVELOPMENT OF BIOLOGICAL WEAPONS

- The UK is committed to working with our allies and partners to uphold, update and strengthen international regimes, treaties, initiatives and global norms that underpin global nonproliferation and biosafety and biological security objectives.
- Working with experts, industry and allies, the UK will maintain an efficient export control system on materials and dual-use technology that keeps pace with technological change and encourages responsible innovation and cooperation.
- Through the **UK International Biological Security Programme (IBSP)**, we will minimise the potential for hostile actors to acquire and use biological materials, pathogens and expertise to threaten the UK or UK interests.



#### **SUMMARY**

- The UK Biological Security Strategy sets out our vision that, by 2030, the UK is resilient to a spectrum of biological threats and a world leader in responsible innovation, making a positive impact on global health, economic and security outcomes.
- The UK has established national, permanent structures to implement the Strategy and drive forward cross-cutting policies to prevent and mitigate risk of biological weapon development.

