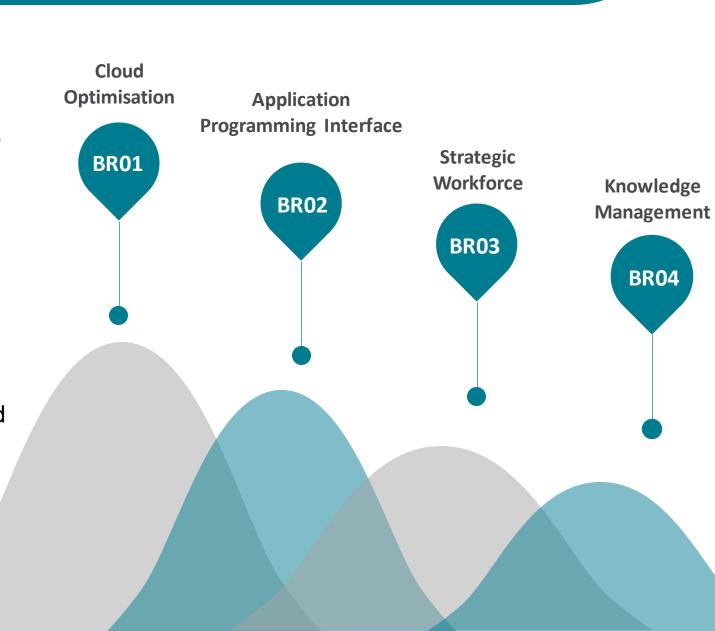**Technology Big Rocks**

Programme Overview

UKHSA Conference 2023

Big Rocks Programme Overview

The **Big Rocks** programme will help deliver UKHSA's technical strategy through four projects:

- **Cloud Optimisation**: creating flexible adaptable platforms

- **API**: developing a rich data sharing ecosystem

- **Knowledge Management**: making knowledge a usable asset

- **Strategic Workforce**: shaping a technical workforce for the future

The delivery of the programme will be underpinned by a best-practice PMO, project and programme management capabilities.

Cloud Optimisation

BR01

Application Programming Interface

BR02

Strategic Workforce

BR03

Knowledge Management

BR04

Cloud Optimisation and Operation

Purpose
To simplify the UKHSA application and technology estate whilst enabling a wider adoption of Cloud Technologies for the Agency

Objectives

- Modernise UKHSA's technology estate with enhanced security and efficiency

- Implement cost-efficient financial operations management

- Resolve technical issues swiftly with cloud-based solutions

- Streamline technology by transitioning to strategic cloud platforms

Outcomes

- A robust, cost efficient and scalable platform allowing UKHSA to thrive

- Reduce the cyber security risk to UKHSA

- A platform that will allow UKHSA to continue to develop at pace in response to business need and emerging threats

- Consolidation of all technology applications

- Support centralisation of operational monitoring

API Integration

Purpose

To enhance UKHSA's ability to share and manage health data, supporting swift public health responses and informed decision-making for the wellbeing of the community

Objectives

- Build a secure, intuitive API platform for safe health data exchange

- Integrate health services within UKHSA for unified operations

- Provide instant access to health data for timely, informed decisions

- Encourage sector-wide collaboration with standardised API practices

- Deploy APIs to elevate UKHSA's health and science operations, fostering innovation and potential commercial opportunities

Outcomes

- Improved data integration and sharing across health systems

- Streamlined access to health data for enhanced public health responses

- A robust, operational API framework supporting UKHSA's strategic digital and technology services

- Existing APIs rearchitected into the strategic platform

Knowledge Management

Purpose
To create a sustainable environment for knowledge which helps to support informed, evidence-based decisions

Objectives

- Deliver a knowledge management strategy

- Deliver organisation-wide information management processes, procedures and capabilities

- Enable current and future knowledge to be securely held; easily located; its usefulness and importance easily understood

- Defined Agency-wide search and meta-data management

- Agency-wide information management, processes, procedures and tooling

Outcomes

- Improved management and access to knowledge

- Improved ability to make informed, evidence-based decisions

- Improved organisational lessons learnt capability

- Improve search capability for knowledge

- Future-proofed knowledge management strategy

Strategic Workforce

Purpose

To deliver a permanent, diverse, sustainable and technically adept workforce

Objectives

- Deliver strategies that will focus on retaining existing workforce; attracting high-calibre new talent ; defining structured and best-in-class development pathways

- Additional initiatives to be explored include Academy(s)/Boot-Camps; Centres of Excellence (CoE); and Communities of Practice (CoP)

- Career and Learning and Development will be defined, enhanced, and embedded together with mass Civil Service Recruitment campaigns and a strengthened Employee Value Proposition (EVP) in support

- Workforce aligned to the Government Digital, Data and Technology (DDaT) pay and Capabilities framework.

Outcomes

- Improved efficiencies through new ways of working

- Upskilled workforce

- Defined career pathways

- Mature performance assessment

- Reduced time for hiring and onboarding

- Improved employee value proposition

- Improved ratio of permanent staff to contractors/ consultants