Oxford Policy Management

CAPABILITY STATEMENT

Data Dashboards

Introduction

Our Data Innovations team has experience in designing and delivering data-driven solutions for governments, development partners, and civil society organisations. The team has diverse technical skills including data analytics and visualisation, machine learning & AI, data engineering, geospatial analysis, and data systems development.

Our dashboard solution

One of the core product offerings of the Data Innovations team is high-quality dashboards: interactive websites designed for the easy and intuitive visualisation and analysis of data. Our solutions have supported organisations across sectors by turning datasets into intuitive, interactive insights.

These dashboards have served a wide range of use cases, from regular reporting and performance tracking to deep data exploration and analytics – enabling both technical and non-technical users to engage with the data, uncover trends, and identify actionable opportunities.

Our dashboards are built using **R Shiny**, a tool for developing web applications. This approach enables us to create feature-rich applications that handle complex data processing, advanced analytics, and interactive visualisations within a single, cohesive platform.

We offer two flexible deployment models tailored to project needs:

1. **Lightweight dashboards on shared infrastructure:** The dashboard is published as a page on Oxford Policy Management's website.

2. **Dedicated server hosting for high-demand applications:** For large dashboard suites that use a standalone website, we set up dedicated infrastructure to ensure optimal performance and availability.

Why choose Oxford Policy Management for your dashboard?

Our dashboard solution is cloud-based, stable, secure, reliable, and accessible from anywhere with an internet connection. A key advantage of this approach is built-in data security. The data and dashboards are secure; therefore, this makes our solution a strong fit for programmes that handle confidential data or operate in challenging environments where trust, reliability, and security are critical. Many applications in global development require a tool that can function in environments where internet connectivity may be limited or inconsistent. To accommodate this, our solution is thoughtfully designed to adapt to low bandwidth settings.

Our tried and tested standard deployment stack resides in a single, well-documented codebase and is easily adaptable for new projects, minimising setup time and maximising maintainability. It significantly reduces running costs by leveraging widely adopted open-source tools, backed by a rich and vibrant developer community. This eliminates the need for expensive software licences, making it a cost-effective choice.

Moreover, unlike many proprietary tools, we do not charge based on the number of users, making it ideal for accommodating a larger team without budgetary strain. For large scale projects, we provide clear and detailed billing structures, giving clients full visibility into service components and associated costs.

Our dashboards are highly customisable, tailored to reflect your organisation's identity. From custom user interfaces to colour schemes and logos, we ensure the solution feels native to your organisation. Finally, our dashboards can connect to a wide range of external systems including APIs, relational databases, data lakes, and spreadsheets, ensuring your dashboards remain a unified hub for all relevant data sources.
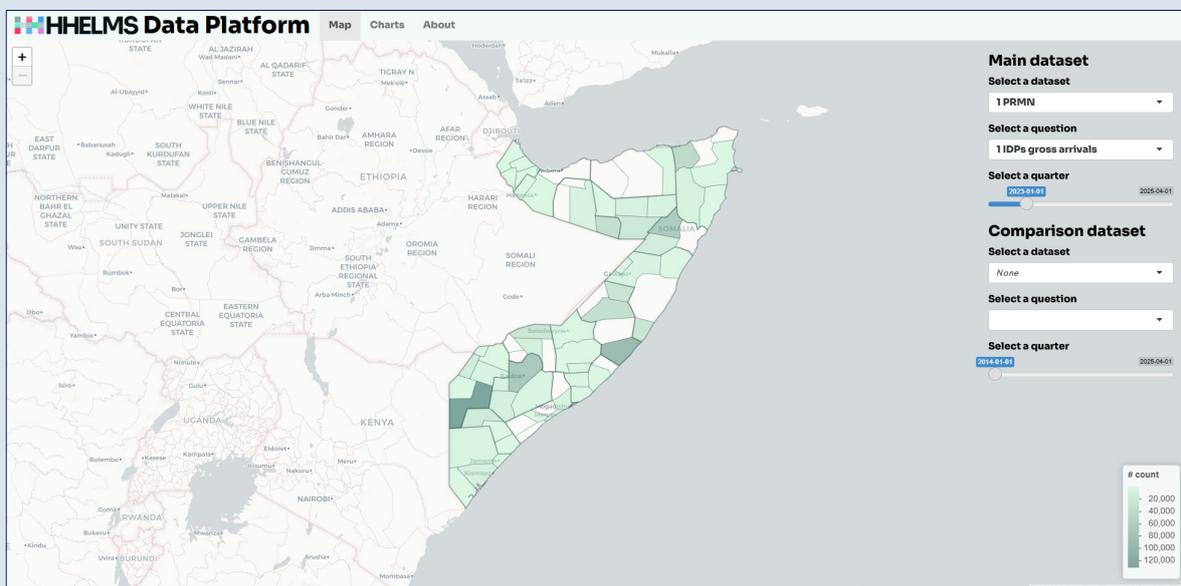
While **R Shiny** is our primary development stack, our team possesses a broad skill set that extends to other platforms such as **Power BI** and **Tableau**, enabling us to deliver tailored data interfaces across a variety of technologies. Therefore, if you prefer a given tool, or have a legacy system to maintain, we can always accommodate it.

Project highlights

Our Data Innovations team has delivered dashboards for a range of applications: technical monitoring, performance tracking, and self-service analytics. Our portfolio of projects includes:

Humanitarian & Health Evaluation, Learning and Monitoring Somalia (HHELMS)

The HHELMS dashboard is a full reporting suite which unites monitoring and evaluation data for Foreign, Commonwealth and Development Office's (FCDO) entire humanitarian programme in Somalia. The dashboard integrates data from the programme alongside contextual data from third-party providers in a single interface, allowing users to draw insights about programme management decisions. It has since become the primary tool for monitoring performance, and the client is able to compare humanitarian needs against programme footprint allowing targeting of interventions where they are needed most. **(FCDO, 2023-)**.
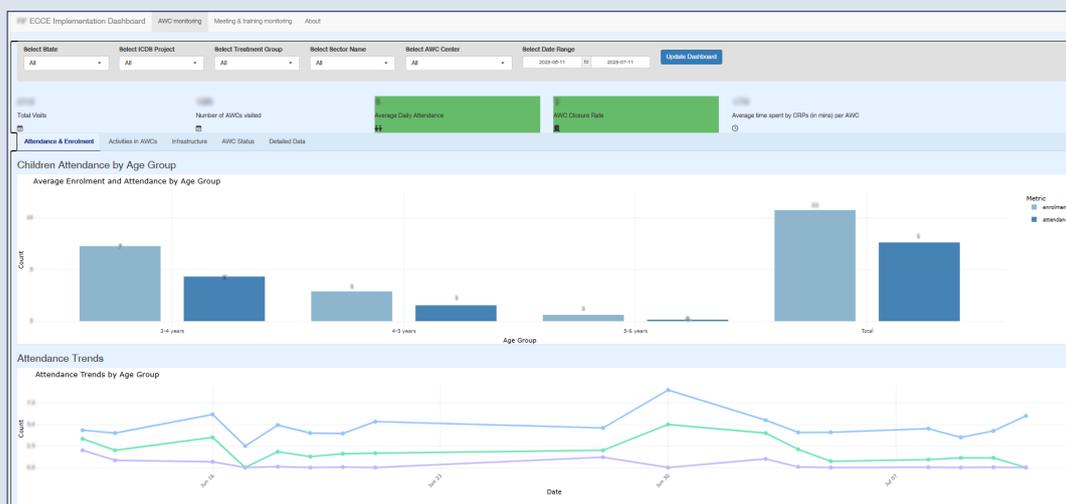
Prevent

Prevent piloted the introduction of vaccinated day-old chicks for Newcastle disease to smallholder farms in Tanzania and Nigeria through local hatcheries. We produced a dashboard for key performance indicator tracking, data quality assessment and personnel management. The dashboard was used by senior managers to ensure the project was on track to achieve its goals, and on a frequent basis by project staff to manage day-to-day operations and address implementation challenges. **(GALVmed, 2023-2025)**.
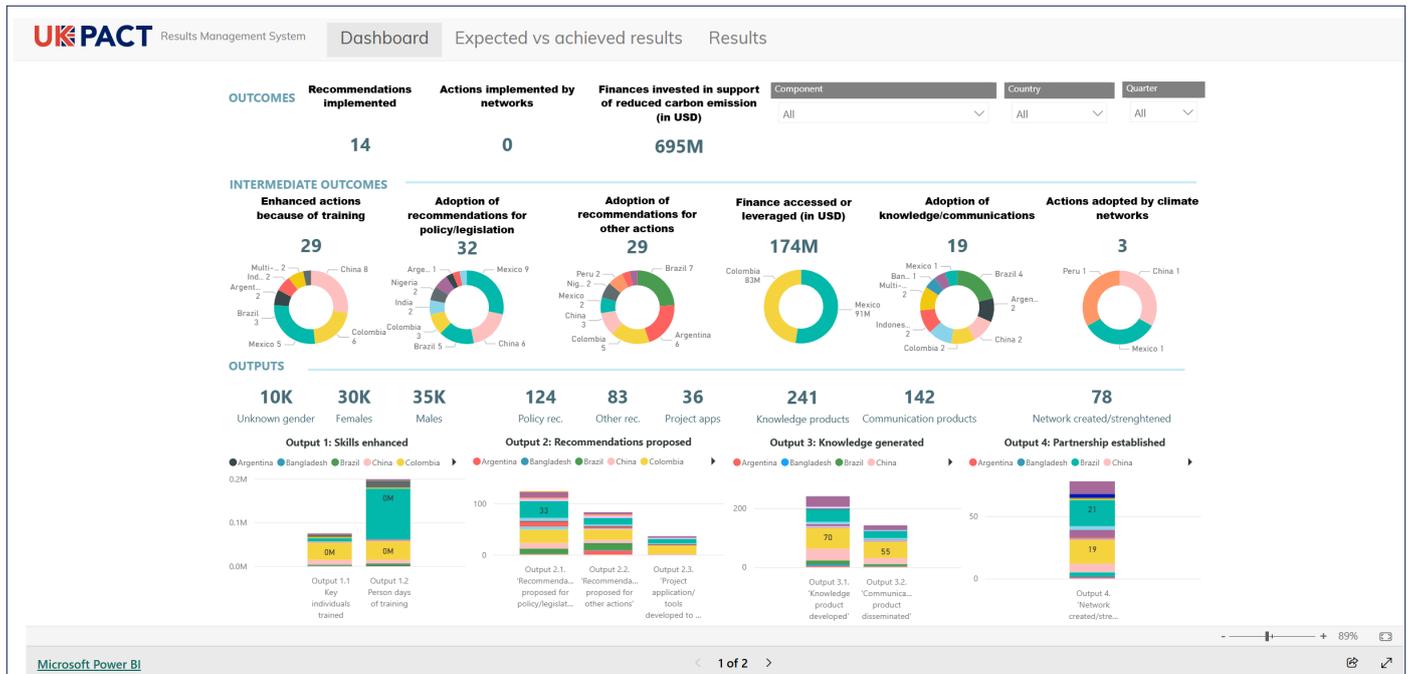

Play-based Early Childhood Care and Education (ECCE)

We are collaborating with the Reliance Foundation to evaluate the impact of their ECCE programme in Maharashtra and Telangana, India, which aims to strengthen play-based learning by addressing key gaps in teacher training, community engagement, implementation practices, and awareness of the importance of play among educators and caregivers. Our ECCE dashboard is a monitoring platform that provides a clear view of how the programme is progressing on the ground. The dashboard seamlessly integrates real-time data on training, attendance and play-based activities, captured through automated survey systems and then displayed through a user-friendly interface. This dynamic monitoring solution enables stakeholders to track programme performance and make data-driven decisions. **(Reliance Foundation, 2024-)**.

UK Partnering for Accelerated Climate Transitions (UK-PACT)

UK-PACT delivers capacity building activities to accelerate partner countries' transition to low carbon development. The dashboard was developed to capture progress on the programme's results by visualising both activities (e.g. training, networking and research) and outcomes like climate-friendly policies adopted - in a dynamic way. With intuitive filter options, such as by country or activity, the dashboard enabled users to quickly explore progress across various dimensions and gain actionable insights. Data for the dashboard was automatically pulled from online forms, ensuring timely reporting. As a result, the dashboard served as a powerful monitoring tool and supported the UK Government in communicating progress effectively.
(FCDO/DESNZ, 2019-2022).

Our mission is to improve lives through sustainable policy change.

Oxford Policy Management

Find out more

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