



# Open Science, Data, and Methodologies: Lessons learned from NIHR-RESPIRE Network in Asia

Tapas Kumar Mohanty and Dr Simon Smith

4 Jun 2024

*“Building a culture of Open Science across Asia”*



THE UNIVERSITY  
of EDINBURGH



UNIVERSITI  
MALAYA

FUNDED BY  
**NIHR** | National Institute for  
Health and Care Research

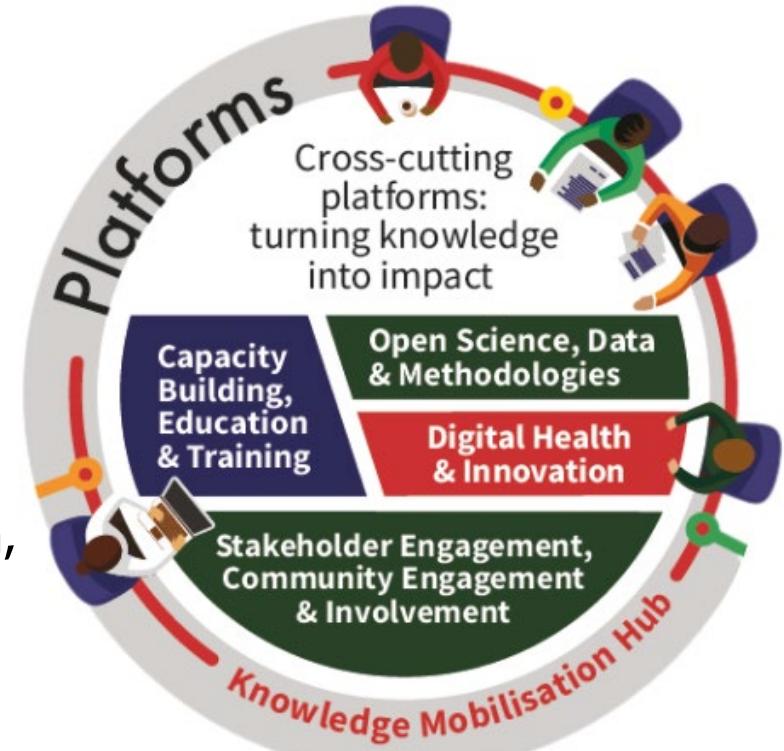
UK International  
Development  
Partnership | Progress | Prosperity

# NIHR Global Health Research Unit on Respiratory Health [RESPIRE]



RESPIRE aims to deliver low-cost, scalable policy and clinical interventions to reduce deaths and the wider health and societal impacts of respiratory disease in Asia, through its research programmes and supporting platforms.

RESPIRE is co-led by The University of Edinburgh and Universiti Malaya, with partners based in Bangladesh, Bhutan, India, Indonesia, Malaysia, Pakistan, Sri Lanka and the UK.



[www.ed.ac.uk/usher/respire](http://www.ed.ac.uk/usher/respire)

X @RESPIREGlobal  
f RESPIREGlobal

FUNDED BY  
**NIHR**

National Institute for  
Health and Care Research

UK International Development  
Partnership | Progress | Prosperity

# PLATFORM III: OPEN SCIENCE, DATA AND METHODOLOGIES

## PLATFORM CO-LEADS



Mr Tathagata Bhattacharjee  
ALPHA Network Data Analyst



[www.ed.ac.uk/usher/respire](http://www.ed.ac.uk/usher/respire)

X @RESPIREGlobal  
f RESPIREGlobal



Prof Christopher Weir  
Personal Chair of Medical Statistics & Clinical Trials



National Institute for  
Health and Care Research



Partnership | Progress | Prosperity



**Dr Simon Smith**  
Research Data Support Officer



[www.ed.ac.uk/usher/respire](http://www.ed.ac.uk/usher/respire)

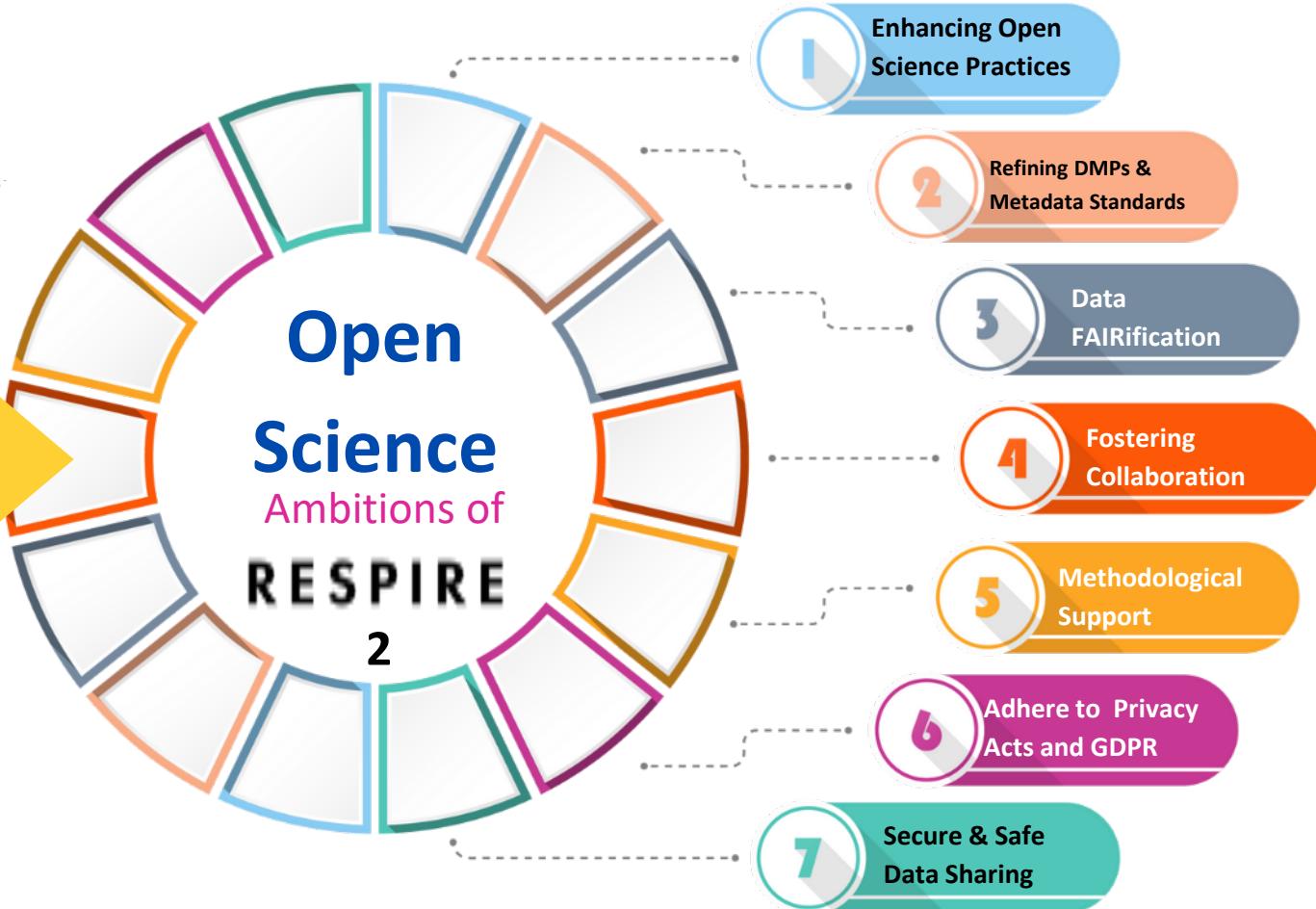
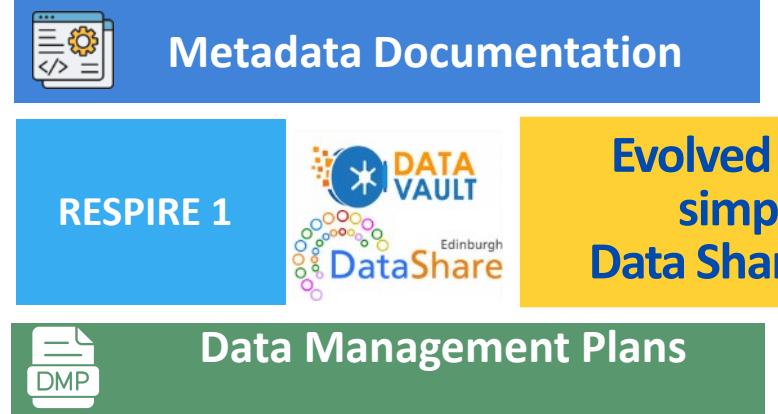
X @RESPIREGlobal  
f RESPIREGlobal



National Institute for  
Health and Care Research



The challenge: Diverse context, Lack of shared standards, policies, or OS awareness



**From Fragmented data ecosystems in LMICs**  
[www.ed.ac.uk/usher/respire](http://www.ed.ac.uk/usher/respire)



**To Build capacity in Open Science practices**



X @RESPIREGlobal  
f RESPIREGlobal



National Institute for  
Health and Care Research



# Methodological Guidance and Support

Identifying secure  
repositories for data  
storage and sharing



Enabling the  
discovery of  
RESPIRE dataset



Data sharing,  
transfer,  
depositing, and  
management



Advising partners on  
data access  
statements for  
publications



Working with local  
Data Champions



[www.ed.ac.uk/usher/respire](http://www.ed.ac.uk/usher/respire)

X @RESPIREGlobal  
f RESPIREGlobal

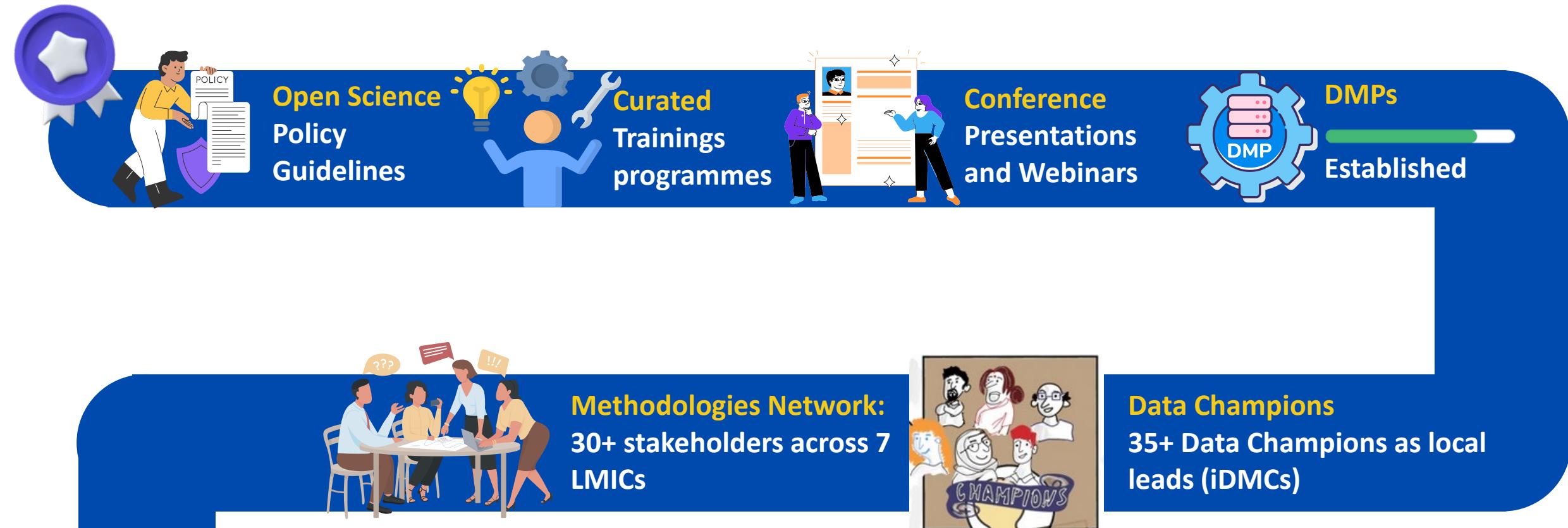


National Institute for  
Health and Care Research



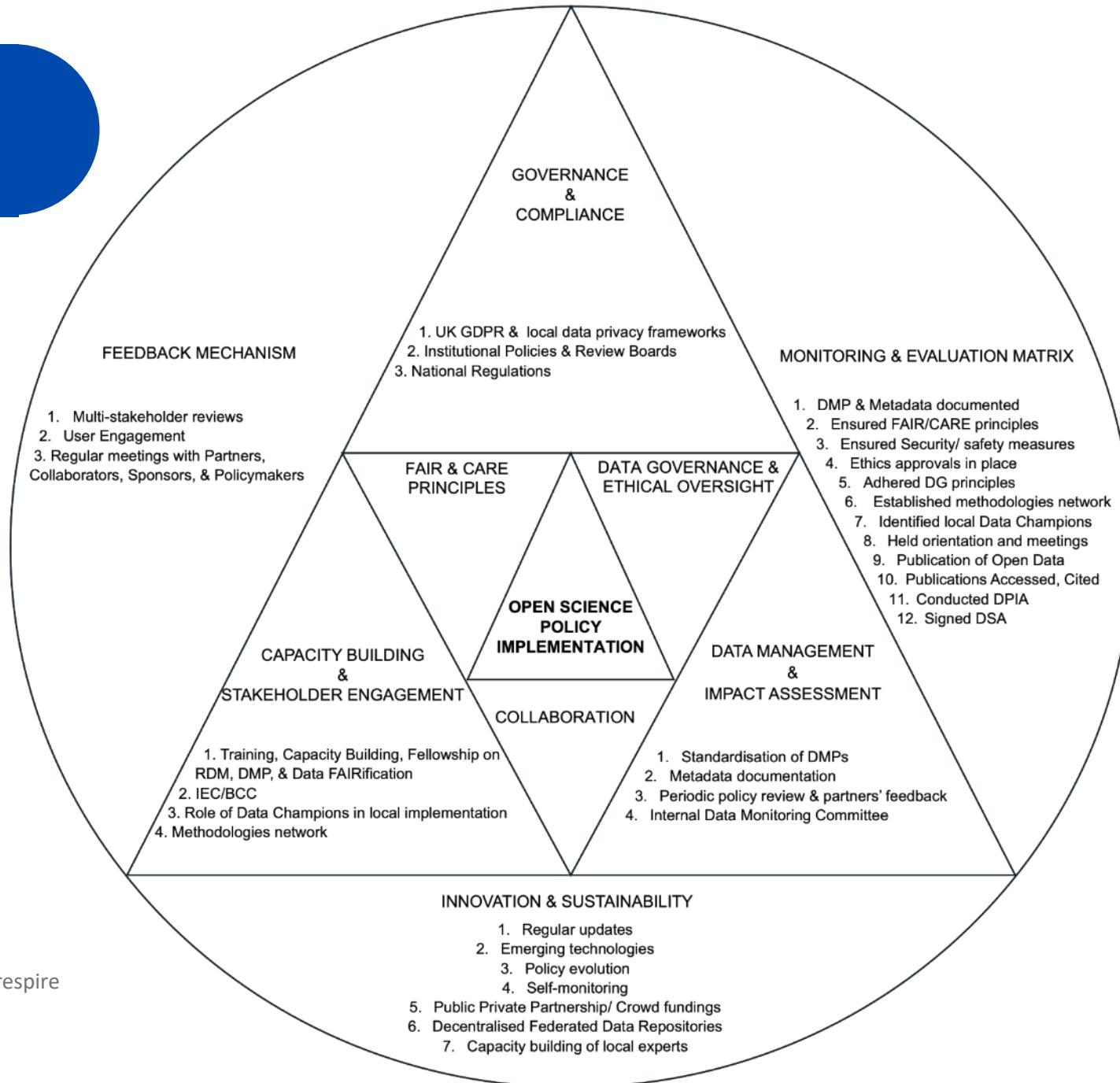


# What We Did – A Journey from Compliance to Culture



[c.uk/usher/respire](https://c.uk/usher/respire)  
PIREGlobal  
REGlobal

# Published OS conceptual framework (JoGH)



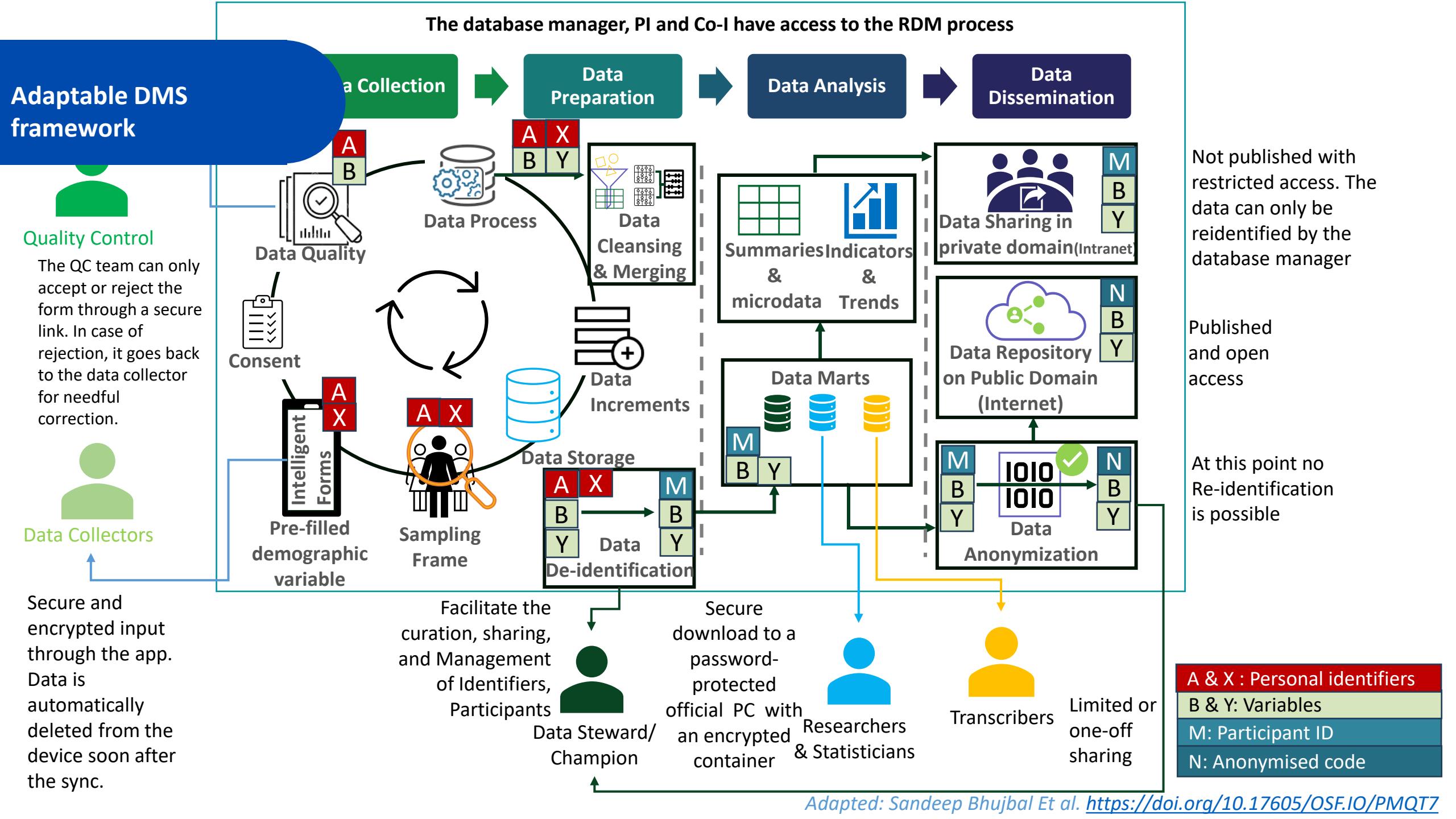
[www.ed.ac.uk/usher/respire](http://www.ed.ac.uk/usher/respire)

X @RESPIREGlobal  
f RESPIREGlobal



National Institute for  
Health and Care Research





# WHAT'S NEXT?

- ✓ Host in-person workshop to co-create OS framework for Global South
- ✓ Documenting best practices to publish Data Champion's Handbook



Join us in shaping inclusive Open Science systems globally!

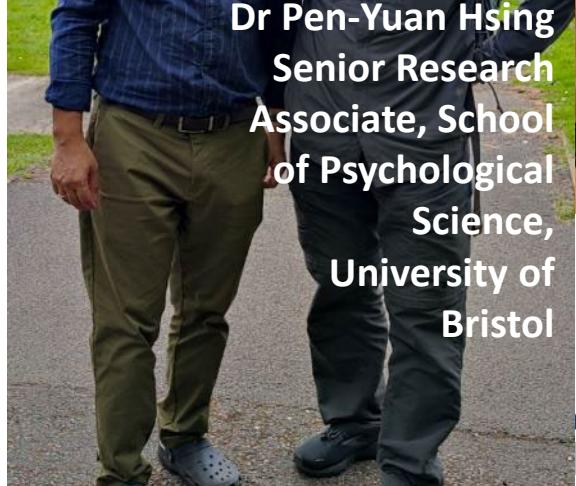
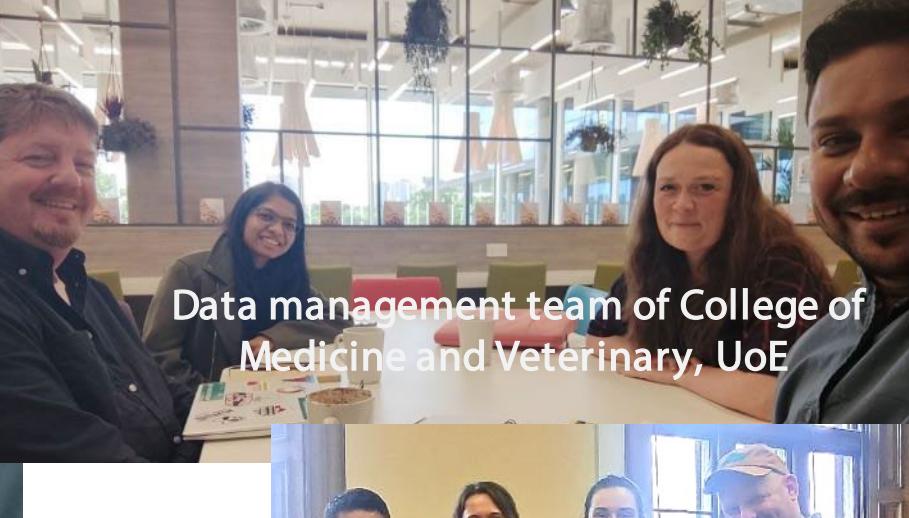


[www.ed.ac.uk/usher/respire](http://www.ed.ac.uk/usher/respire)



National Institute for  
Health and Care Research







"Open Science is not a tool, it's a trust-building process."

Thank you!

This research was funded by NIHR 16/136/109 and NIHR132826 using UK international development funding from the UK Government to support global health research.

The views expressed in this publication are those of the author(s) and not necessarily those of the NIHR or the UK government.



THE UNIVERSITY  
of EDINBURGH



UNIVERSITI  
MALAYA

FUNDED BY  
**NIHR** | National Institute for  
Health and Care Research

 UK International  
Development  
Partnership | Progress | Prosperity