





Project in numbers:



Reproducibility is the ability to obtain results consistent with an original specific finding. Poor reproducibility is a recognised problem in scientific fields including clinical trials, preclinical research, and social sciences. Interventions have been proposed and implemented to improve reproducibility, but the effectiveness of these interventions and the underlying drivers of irreproducible research have not been systematically investigated.

Our objectives:



to provide a richer and deeper understanding of drivers of poor reproducibility;



to conduct a detailed evaluation – including primary research – of the effectiveness of interventions to increase reproducibility.

We will consider and present our findings in a wide context including open science, research integrity, trustworthiness and research culture.

Our approach:

Current state-of-the-art in understanding reproducibility

Systematic evaluation and assessment of existing evidence

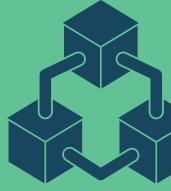
Engaging with **stakeholders** to prioritise and adapt practices and tools

Testing interventions to improve reproducibility

Systematic integration of Equity, Diversity, and Inclusion practice and culture



the "toolbox" – theoretical and empirical evidence describing the effectiveness of specific interventions



the "framework"

– a robust, Evidence
to Decision roadmap
for the development,
assessment, and
implementation of
interventions

Our ambitions:

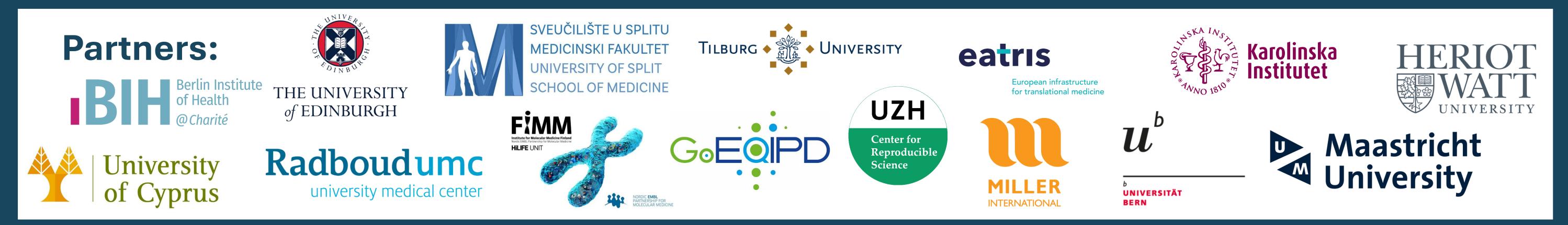
Co-create **implementation guides** for interventions to improve reproducibility

Establish best practice guidelines for embedding **Equity, Diversity, and Inclusion** considerations into improving reproducibility

Develop a **policy briefing** on evidencebased recommendations to improve reproducibility

Build a systematic online living evidence summary (SOLES) of existing interventions

Enable community members to implement interventions by creating **training resources**



Advancing knowledge through openness, integrity and solutions for reproducibility

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