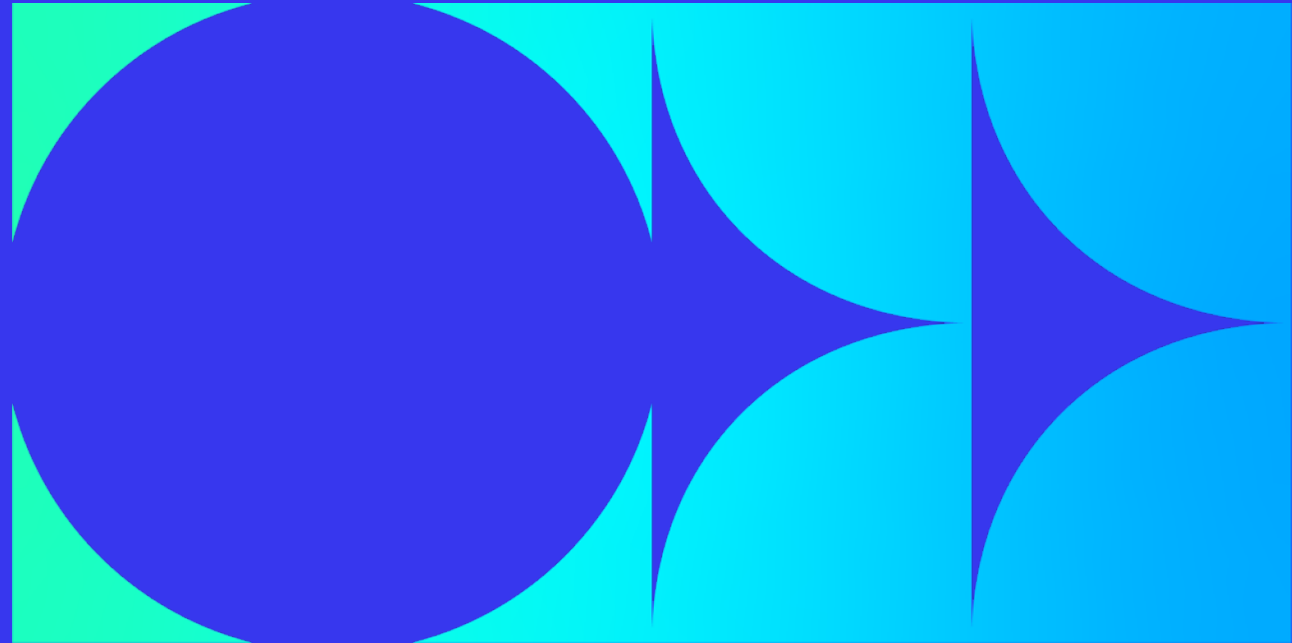


# The development of an Open Research course and interactive decision tree for researchers

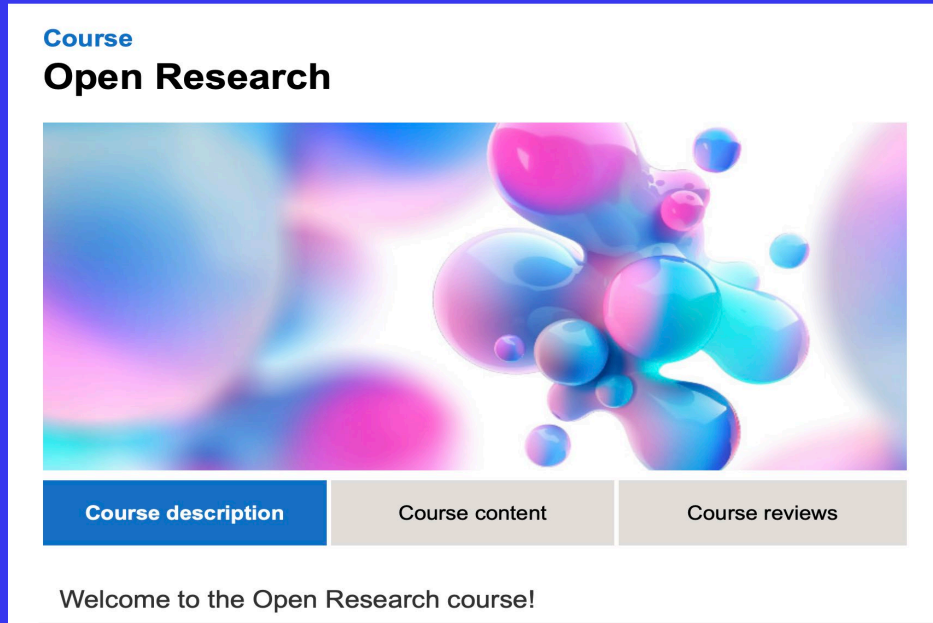
Priya Silverstein  
Lydia Devenney  
Camilla Elphick  
Sarah Laurence  
Ailsa Strathie



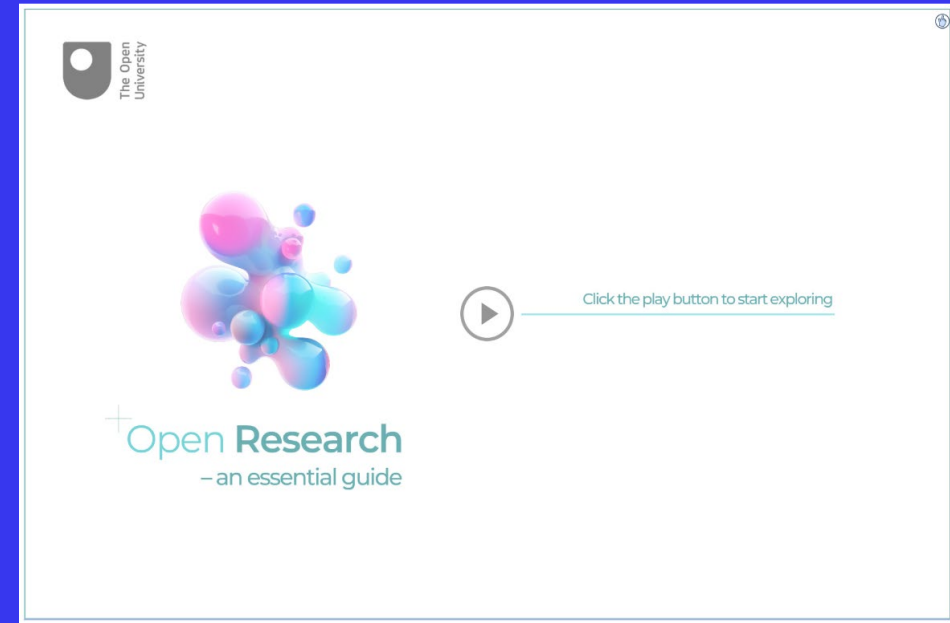
# Our Vision

To create a freely accessible, practical, and interactive resource, helping researchers at any stage of their journey make their work more open and accessible

Designed for postgraduate researchers, established academics, and anyone curious about Open Research, to learn about and apply Open Research principles to their own work and recognise good practice in the research of others



The course is aimed at academic researchers that would like to make their research more open and accessible to other researchers



The interactive decision tree helps researchers make their own research open at any stage of a project.

Our Open Research course is

Eight weeks long



Our Open Research course is

Eight weeks long

(only about 3 hours of study a week!)



## It covers

What open research is and why it is important

How to recognise good open research practices in the work of others

How to apply open research to different disciplines and methods, at different stages of the research process

How to get involved in open research communities



## It includes

Interactive activities to aid learning

Links to open research projects

Interviews with researchers sharing their first-hand experience with open research



*It focuses on*

*Transparency*

*Integrity*

*Accessibility*





# Transparency

Open data and materials

The FAIR principles

Licencing

Reproducibility

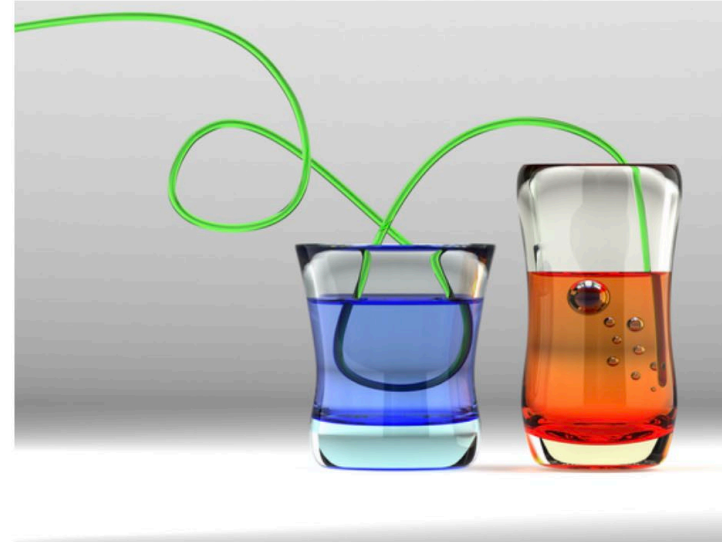
Preregistration

Confirmatory versus exploratory analysis

Reporting guidelines

## Transparency: As open as possible

### Introduction



In Week 1, you learned a bit about what transparency is, and why being transparent is important in research. Ensuring your study generates [open data and materials](#) is a good way to increase the transparency of your research.

This week, you will discover ways to increase the chances of people across the world finding your research, and how to explain the research in sufficient detail so that they know exactly how you carried out your study. You will also learn how to ensure your research is openly accessible while still protecting the anonymity of your participants.

# Integrity

Replicability and the replication crisis

Writing transparently

Generalisability

Conflicts of interest

Positionality

Flimsy interpretations

Robustness

Multiverse universe



Dr Priya Silverstein talking about replication

# Accessibility

Open access

Journal publishing models

Preprints

Academic privilege

Equity, diversity, inclusion

Big Team Science

## Accessibility: Making your research accessible online

### Introduction



In Weeks 2 to 5 of this course, you have explored two key principles of open research: transparency and integrity. Now let's turn to the third principle of accessibility. Accessibility is crucial, because knowledge generation is a collective endeavour, funded at least in part by taxpayers, and so everyone has a right to the knowledge that is generated. For this short course, accessibility will be discussed in the context of journal manuscripts, while acknowledging that research can also be made accessible through many other outputs.

Accessible research in this context means ensuring that all who are interested can consume, evaluate, and otherwise interact with research products and processes. Even if research is transparent and has integrity, if only certain people can access the research products, it is not truly open.

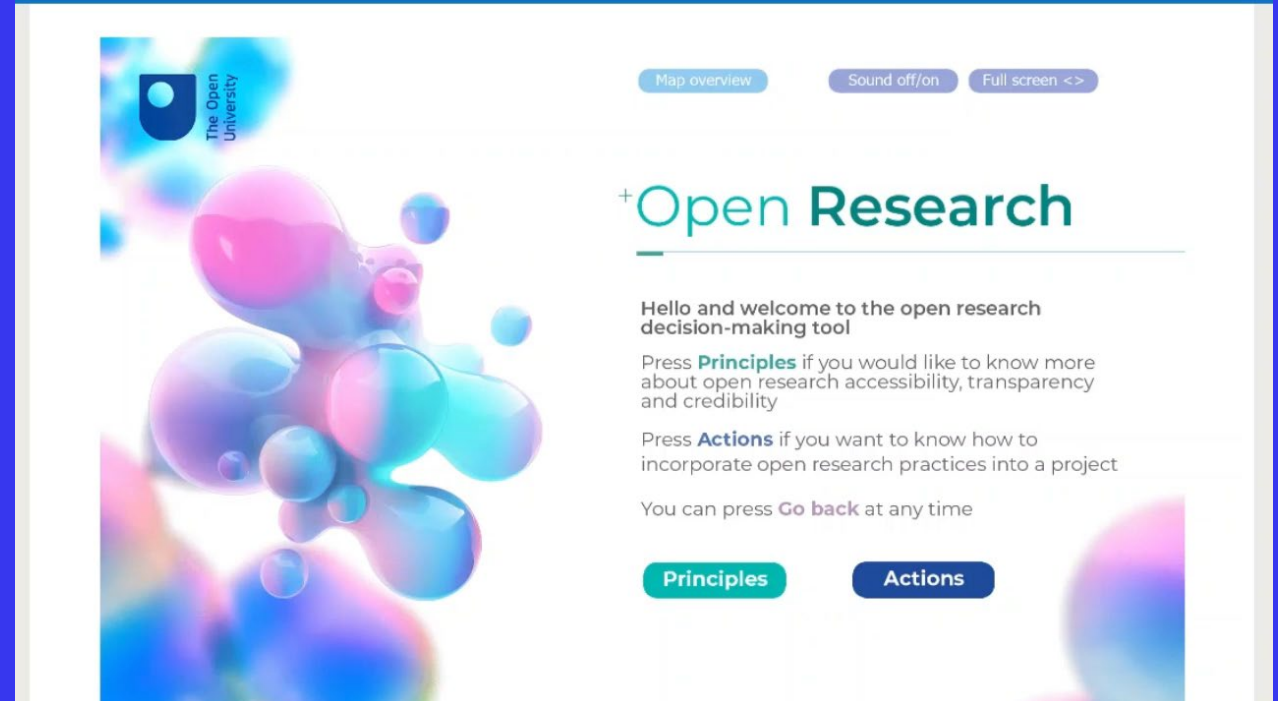
# The interactive decision tree

Helps researchers make their research more open and accessible at any stage of a research project

Freely-available to researchers without them having to register to the course

**Principles:** users select this if they want to know more about accessibility, transparency, and integrity

**Actions:** users select this if they wish to make their own research more open





**The Open  
University**