



The ART of Foresight & Sustainable Futures:

Anticipating, Recommending
and Transforming Research and
Innovation Futures



MANCHESTER INSTITUTE OF **INNOVATION RESEARCH**

PROFESSIONAL DEVELOPMENT COURSE

MIOIR in partnership with Futures Diamond Ltd and the Centre for Foresight and Internationalisation (CFI) of the Łukasiewicz Research Network (ŁRN).

4 - 8 July 2022

The ART of Foresight & Sustainable Futures:

Anticipating, Recommending and Transforming Research and Innovation Futures

Manchester Institute of Innovation Research, as a leading European centre in the use of forward looking tools supporting science, technology and innovation policy-making, has been running an annual foresight training course since 1999. Building on over twenty years of foresight experience, we are able to call upon a wealth of expertise, from staff with know-how of the practice of foresight, as well as from sponsors and practitioners. The course now runs in partnership with Futures Diamond Ltd, an agile research and technology development company. Future-oriented innovation and sustainability research is a key focus for Futures Diamond, supported by the Course Director's track record in science, technology and innovation studies.

Need for Foresight and Sustainable Futures

The world is experiencing great uncertainties caused by ever growing social, economic, political, environmental and ethical crises. Many countries, industries and public services face challenging futures where the quest for opportunities is increasingly competitive.

Economic discontent has combined with existing political stresses to catch many institutions – and countries - wrong-footed. Meanwhile, globalisation, migration, environmental, political and technological trends are reshaping the rules of the game. This calls for critical reflections on existing assumptions, plans and strategies for the long-term future. Our foresight course explores ways in which decision-makers can address uncertainties. How to produce sound, sustainable and forward looking results and roadmaps that are useful for decision-makers?



Who is it for?

- Business and industry leaders
- Policymakers, analysts, programme sponsors and managers
- Science and research agenda shapers
- Professionals in research and innovation organisations and funding agencies
- Foresight and horizon scanning practitioners

Course contents and practical work

The course consists of a set of interactive lectures reinforced with practical work in groups. During the week, you will design a foresight exercise with a group of participants, supported by facilitators. This will enable you to bring together different elements covered in the course and apply them to a real life case. You will return to your job with:

- immediate tangible benefits,
- hands-on practical experience, and
- know-how on the state-of-the-art of foresight.

Key Topics

Typical topics addressed in the course include:

- Foresight origins, concepts and evolution
- Foresight process, frameworks and fundamentals
- Foresight methodology, methods and approaches
- Horizon scanning tools, techniques and platforms
- Using evidence, expertise, interaction and creativity
- Shaping science, technology and innovation systems
- Forward-looking regional and territorial development
- Supporting research and innovation priority-setting
- Future-oriented sustainable innovation approaches
- Addressing industry needs and societal challenges
- Defining long-term strategies and policy agendas
- Using expert/citizen panels and Delphi surveys
- Analysing trends, wild cards and weak signals
- Developing models, scenarios and roadmaps
- Evaluating foresight processes and impacts
- Internationalising research and technology organisations (RTOs)



Course Speakers

Invited speakers and international policy experts also regularly contribute to the course.



**Prof Rafael
Popper**
Course Director



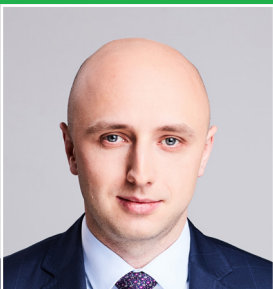
**Prof Ian
Miles**



**Dr Effie
Amanatidou**



**Prof Jonatan
Pinkse**



**Dr Jakub
Kaczmarek**



**Dr Elisabeth
Krull**



**Prof Kieron
Flanagan**



**Dr Guillermo
Velasco**



**Prof René
Rohrbeck**



**Prof Kerstin
Cuhls**

Course outcomes

At the end of the course, you will:

- Understand the key rationales for foresight, the building blocks of a foresight process and the main features of a foresight methodology.
- Have gained practical knowledge on the most commonly used foresight and horizon scanning tools, as well as on the key factors influencing the selection and combination of foresight methods.
- Recognise why and how foresight is increasingly being embedded into science, technology and innovation policy-making,
- Be able to design and conduct a foresight exercise from the scoping phase through to the mobilisation of key players to the anticipation, recommendation and transformation of future-oriented outcomes.
- Be able to commission, interpret and use foresight across a wide range of research and innovation areas, industries, sectors, themes and institutional contexts.
- Benefit from the networking and knowledge sharing opportunities with course staff and other participants.



Course Overview

Next date:

04 - 08 July 2022

Delivered by:

Senior staff and invited external experts and policy-makers

Teaching:

Lectures, interactive group exercises, case studies.

Group size:

The average group size in recent years has been 15 participants.

Location:

Alliance Manchester
Business School

Course Costs

Full residential course fee:

£2,300 per person.

Non-residential fees can be negotiated on application.

Discount for early booking:

Applications prior to 30/04/2022; the course fees will be reduced to £2,100.

Fee includes

- All course materials
- Hotel accommodation
- Social activities
(dinner and a tour of Manchester)

Full terms and conditions are outlined at our [website](#)

How to apply

The application form can be downloaded from our [website](#)

Please contact:

Debbie Cox,

debbie.cox@manchester.ac.uk

who will be able to send you an application form and further details.



The Manchester Institute of Innovation Research is a world-leading centre of excellence in the study of science, technology and innovation policy and management, within the Alliance Manchester Business School at the University of Manchester. With over 50 members, our research, teaching, professional development and engagement activities build on many years of expertise, covering a broad range of expertise and interests across the landscape of innovation.

The Institute's programme of research combines four interlinked perspectives: we analyse the creation and exploitation of **innovation in firms**, the dynamics and governance of **emerging technologies**, the broader long term transitions of socio-technical systems in relation to societal challenges and the **specific role of the state** and public sector in these areas. This approach allows us to better understand how science, technology and innovation can contribute to the world around us.



The University of Manchester
Alliance Manchester Business School

MANCHESTER INSTITUTE OF INNOVATION RESEARCH

**For more information,
please contact Rafael Popper, Course Director
or Debbie Cox, Institute Manager.**

Manchester Institute of Innovation Research
Alliance Manchester Business School
The University of Manchester
Manchester
M13 9PL

 +44 (0) 161 275 5925

 rafael.popper@futuresdiamond.com

 debbie.cox@manchester.ac.uk

 <https://www.mioir.manchester.ac.uk/>