



## Mathsci-comm workshop – Jan 2026

In January 2026, the Mathsci-comm network met for a workshop on *Listening and Responding to Public Interest* at the Isaac Newton Institute for Mathematical Sciences in Cambridge. The event was co-organised with the Newton Gateway to Mathematics.

The goal for the day was to explore how the communication of research in mathematics and data science to non-experts can move towards a dialogue with audiences. This document includes a variety of resources that were shared at the event.

There is more information about the event, including the full speaker list on the [overview of the event](#).

All the talks are available to watch online via this [playlist](#).

## Resource List:

The following resources were shared by members of the workshop.

- Practical Guides to Communication
  - [A practical guide to writing](#) - Informed by the discussions at the last Mathsci-comm event, the editors at plus.maths.org developed a guide to written maths and science communication.
  - [A practical guide to public engagement](#) - A five step guide to involving the public in research, by Sense About Science and the NHS National Institute for Health Research.
  - [Mathematical communications lecture notes](#) - An accessible guide (with more resources) of the big questions of maths communication: why, who, what, how and where?
  - [Five rules for evidence communication](#) - a readable overview about research on science communication, by Michael Blastland et al and published in *Nature*.
  - [Risk communication workbook](#) - guide to ensuring that you can effectively and helpfully discuss levels of risk in order to best serve the communities you are informing, by Risk Know-how.
  - [Simulation models in policymaking](#) - a guide for policymakers and the wider public to evaluate model use, by Sense about Science.
  - [Understanding social media algorithms](#) - this episode of the BBC World Service radio programme The Media Show includes a discussion of algorithms and media risk.
  - [Beyond Memorability](#) - Research article exploring what components of visualisations attract attention and what is remembered, by Michelle Borkin et al.



- Training and Capacity Building
  - [Sense about Science](#) run a variety of training workshops on topics including policy engagement, responsible handover of AI and data training, public engagement, and media engagement. They also organise specific workshops for Early Career Researchers and internships for PhD students.
  - [Duncan Yellowlees](#) has a number of training options to support researchers in storytelling, delivery, presentation and slide design.
  - [Jamie Gallagher](#) is a communicator, trainer and consultant working on research engagement for individuals and organisations.
  - [Ben Sparks](#) gives maths talks and workshops around the world to students, teachers, and the general public.
  - [PhD Your Way](#) - an annual, online event for people from underrepresented groups in mathematics to share information about doing a PhD in mathematics.
- Networks, organisations and institutions
  - [TMiP](#) - Talking Maths in Public is a network for maths communicators that also. They have a monthly animation project, podcast, MEGA grant, and host a biennial conference.
  - [UK KE Hub](#) - The UK Knowledge Exchange Hub for Mathematical Sciences promotes knowledge exchange between academia, business, industry and government. They offer some seed funding for activities, as well as assorted resources including good practice guides, presentations, and briefing notes.
  - [QED network for maths](#) - The Queerm Equality and Diversity network is a community-led effort by queer mathematical staff to connect and support LGBTQIA+ members of the UK maths community.
  - [International Centre for Mathematical Sciences](#)
  - [Academy for the Mathematical Sciences](#)
  - [Science Media Centre](#)
  - [NatCen Social Research](#)
- Outreach and Education:
  - [Ask for Evidence](#) - practical tools to encourage members of the public to challenge poorly evidenced claims.
  - [Evidence Week](#) - an annual event bringing together parliamentarians, researchers and the public to discuss how evidence is used in policy decisions. Takes place 6th-10th July 2026
  - [Ri Masterclass](#) - hands-on workshops for students (primary, secondary, and university) to explore maths and computer science beyond the curriculum. There are opportunities for universities, STEM organisations and individuals to get involved.
  - [Maths Inspiration](#) - national programme of maths lecture shoes for teenagers.
  - [Advanced Mathematics Support Programme](#) - a government funded programme to increase maths education through support for teachers and students in state schools and colleges in England.
- Government and the Civil Service



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- [Explore local statistics](#) - Office for National Statistics publicly available statistics about places in the United Kingdom.
- [Competency framework for the Government Statistician Group](#) - the tool used to assess the technical skills of government statisticians and data scientists.
- [Guide to the Government Statistical Service techniques and tools](#) - examples of tools and techniques used by those involved in producing statistics in the UK Civil Service, designed as a starting point to discover new methods and understand a wide range of methodologies.
- [Role profiles and career pathways within the Civil Service Analysis Function](#) - summaries of different roles including data analyst, data collator, data scientist, performance analyst, policy analyst, social researcher, risk assessor and more.
- [Technical learning curriculum](#) - learning model and curriculum to support core analytical skills and promote career pathways for analysts.
- Funding:
  - [InRA](#)- a UKRI funded initiative to develop the Innovation Research Associate career space in mathematical sciences through funding, annual congresses, networking, and training opportunities.
- Deep Learning and Maths
  - [Mathematics 4 Deep Learning](#) - Programme at the University of Bath, University of Cambridge and UCL combining theory, modelling, data and computation as regards deep learning.
  - [Taking AI to Westminster](#) - Reflections on M4DL's experience participating in Evidence Week with government, including the development of a policy brief.
  - [Black boxes of AI](#) - Short video made with M4DL and Sense about Science on machine learning and its applications.
- The Climate and Maths
  - [Ten principles for policy making in the Energy Transition](#) - accessible multilingual graphics on methods for governments to use policy to advance the transition to clean technology.
  - [Masters of the machinery](#) - research article on the politics of economic modelling within EU energy policy, by Sarah Royston et al.
  - [Global Sustainability Institute](#) - institute at Anglia Ruskin University devoted to practical solutions to sustainability challenges.

If you would like even more resources, please see [the list](#) from our last in-person workshop, on [Communicating Mathematics and Data Sciences: What Does Success Look Like?](#)

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