



THE RESILIENCE SHIFT

About the Resilience Shift

The Resilience Shift wants to make the world safer through better, more resilient infrastructure. More people than ever depend on critical infrastructure systems that provide essential energy, water, transport and communications services. When these fail the consequences can be catastrophic. Supported by Lloyd's Register Foundation and hosted by Arup, the Resilience Shift is working to provide knowledge and tools for those responsible for planning, financing, designing, delivering, operating and maintaining critical infrastructure systems. Ultimately, this will enable systems to better withstand, adapt to, and recover quickly from whatever anticipated or unexpected shocks and stresses they may face, now and in the future.

Resilience Shift round-tables

Resilience Shift round-tables are being run in parallel with grant-supported projects. They are designed to forge consensus across academia and industry around emerging technical issues. Round-tables help to identify key challenges, opportunities and barriers, and identify priority areas for the Resilience Shift's programme of work.

The premise of this round-table is to establish ways that institutions can work together to accelerate change in how resilient infrastructure is delivered in practice.

We hope to gain shared insights into:

- How organisations are collectively and individually responding to the emerging demands for guidance and expertise in resilient infrastructure
- Key opportunities and constraints to enhance the exposure of professionals to resilience thinking and practice
- Areas for ongoing collective action.

The desired outcome is participant agreement on priority actions to increase the resilience of critical infrastructure systems.

What is the format?

The Resilience Shift round-tables are flexible in format. To date, round-tables in the UK, US and New Zealand have focused on creating a shared understanding of resilience and critical infrastructure and on exploring future pathways. Their outputs contribute to a growing body of knowledge and to building a community of practice.

During the round-table sessions, facilitators will lead participants through a series of group and plenary discussions, working towards insight and outcomes. Participants may be asked to prepare material to contribute to the discussion. A specific agenda with timing and venue details will be provided.

What is expected of participants?

Participants should hold senior roles in their organisations and participate in the full planned agenda for the round-table format to be effective. There is no charge for participation or any requirement to commit to specific future activity.

Round-tables are part of the Resilience Shift's agenda to support the development of communities of practice and increase collaboration on resilience-focused activity. An ambition of the round-tables is to help facilitate multi-stakeholder cooperation and shape possible pathways forward.

We will endeavour to contact all participants before the round-table for a short briefing discussion, with the intention that the insights gained will be used to tailor workshop sessions during the round-table.

Outputs

A round-table report of findings (anonymised where requested) will be produced for online publication. Findings will be further published in academic and industry forums. It is anticipated that additional round-table specific outputs will be identified as part of the preparation process with participants.

Who is leading the Resilience Shift round-tables?



Professor Peter Guthrie*

CUTS

pmg31@cam.ac.uk

Peter is the first Professor in Engineering for Sustainable Development in the United Kingdom. Having held this post since 2000 after a career in industry, he now focuses on research in engineering that covers technical, social and environmental issues.



Dr Kristen MacAskill*

CUTS

kam71@cam.ac.uk

Kristen is a civil engineer with planning and design experience in the water and transport sectors. Kristen now runs Cambridge's Construction Engineering Master's programme – a professional-oriented course for emerging leaders in the built environment. Infrastructure resilience is a core theme of her research activity.



Francesca O'Hanlon*

CUTS

fo249@cam.ac.uk

Francesca is a civil engineer with experience in humanitarian aid and engineering for international development. Her PhD research looks at infrastructure and community resilience to climate-related disasters.

**This team from Cambridge University Technical Services (CUTS) provides advisory support to the Resilience Shift. Convening round-tables is a major part of this activity. Following initial support from the Arup Foresight team in conceptualising the round-table process through a pilot event, the CUTS team are now facilitating a series of round-tables around the world.*



Jo da Silva

Resilience Shift

jo.da-silva@resilienceshift.org

Jo da Silva is recipient of an OBE and the Institution of Structural Engineers Gold Medal. Both recognise her outstanding leadership as a structural and humanitarian engineer, and in the field of urban resilience. She is Acting Director Resilience Shift, Arup Fellow, Global Sustainable Development Leader for Arup, and founder Arup International Development.



Dr Juliet Mian

Resilience Shift

Juliet.Mian@resilienceshift.org

Dr Juliet Mian is an experienced Civil Engineer of over 20 years' experience working on major projects for Network Rail, Highways England, HS2, the National Infrastructure Commission and many others in the UK and overseas, Juliet specialises in the resilience of infrastructure systems and is Technical Director, Resilience Shift, and Associate Director, Infrastructure Advisory, Arup.