



Workshop: Intersections Between Resilience and Risk

Water supply, Energy supply, Food supply, Natural resources, Transport and Critical Infrastructures
By Dr. Fanlin Meng (University of Exeter)

What does Resilience mean to you?:
(How do you define resilience?)

- Bouncebackability;
- Resistance, absorption and restoration;
- Connectivity, resourcefulness;

Key Resilience Research Challenges:
(List what you believe to be the key challenges)

- Cost of resilience;
- Trade-offs between objectives;
- Interdependency among different systems;

Your Current Research Focus:
(Identify your areas of research that could be applied to building resilience into risk management)

- Urban water systems: modelling, optimization and management;
- Resilience performance & system property;

What would good look like?
(Your view required here – with some context)

- Timely re-organization;
- Rapid bouncing back;



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Perceived Barriers?:

(Where do you perceive the barriers?)

- Lack of clarity on the definition of resilience;
- Buy-in from the industry (data, engagement);

What are the consequences - Risks?:

(What happens if no progress is made - ie status quo?)

- Black swans;
- Inefficient investment;

Envisaged Breakthroughs Required:

(Where do you envisage big/significant breakthroughs?)

Theory for decision making support
guiding the investment in resilience
management

Who needs to do what?:

(Think here - what would you need and what would you do?)

- Collaboration;
- Industry: data sharing, practical needs;
- Researchers: theory, tools;