

Assessing climate risk in Greater Manchester (UK) and prioritising adaptation options: a step by step approach

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Three priority areas for GM

Safeguarding our future prosperity

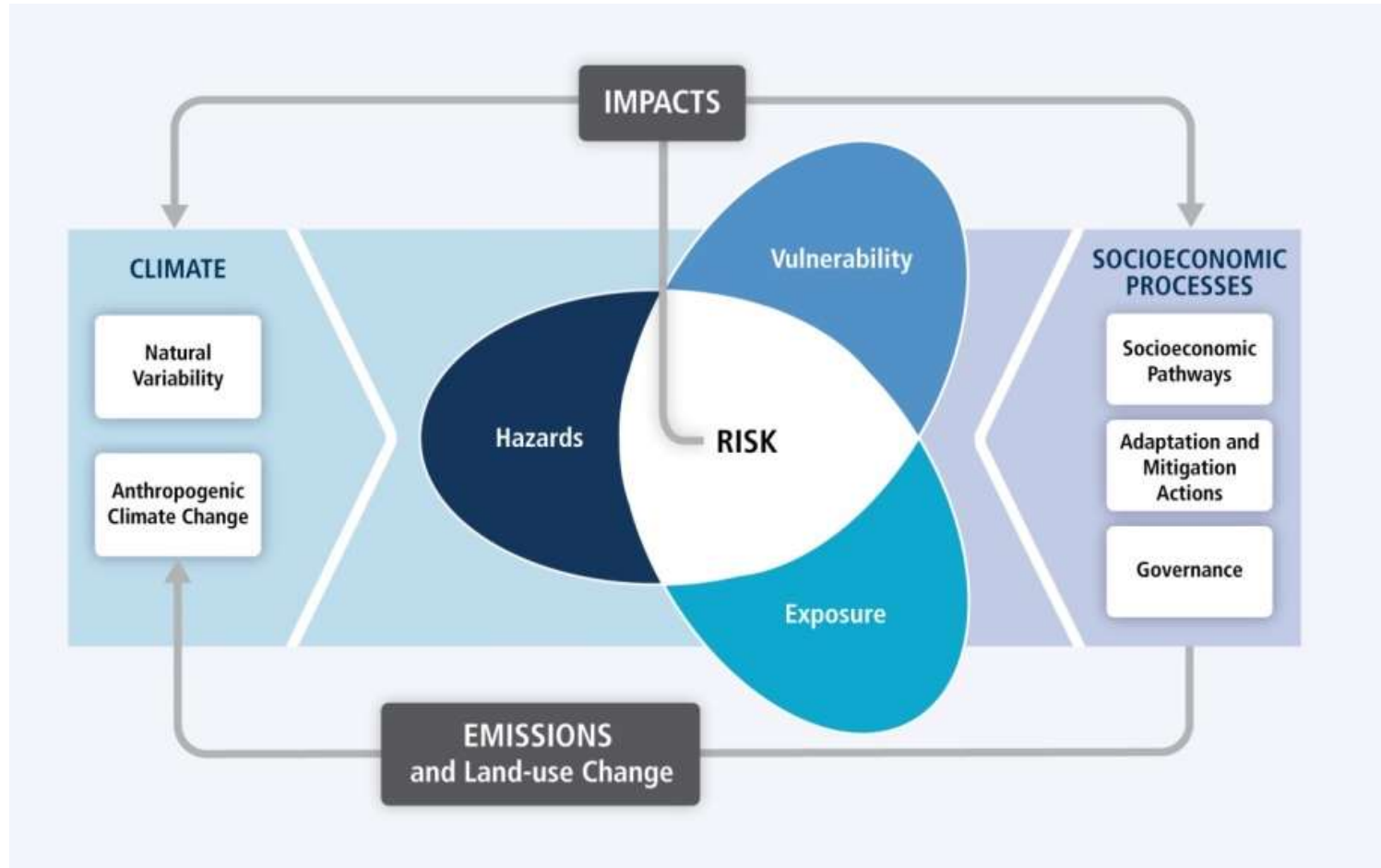
Protecting the most vulnerable in society

Building the resilience of our essential infrastructure

..how to turn ambition into action?

Why risk assessments?

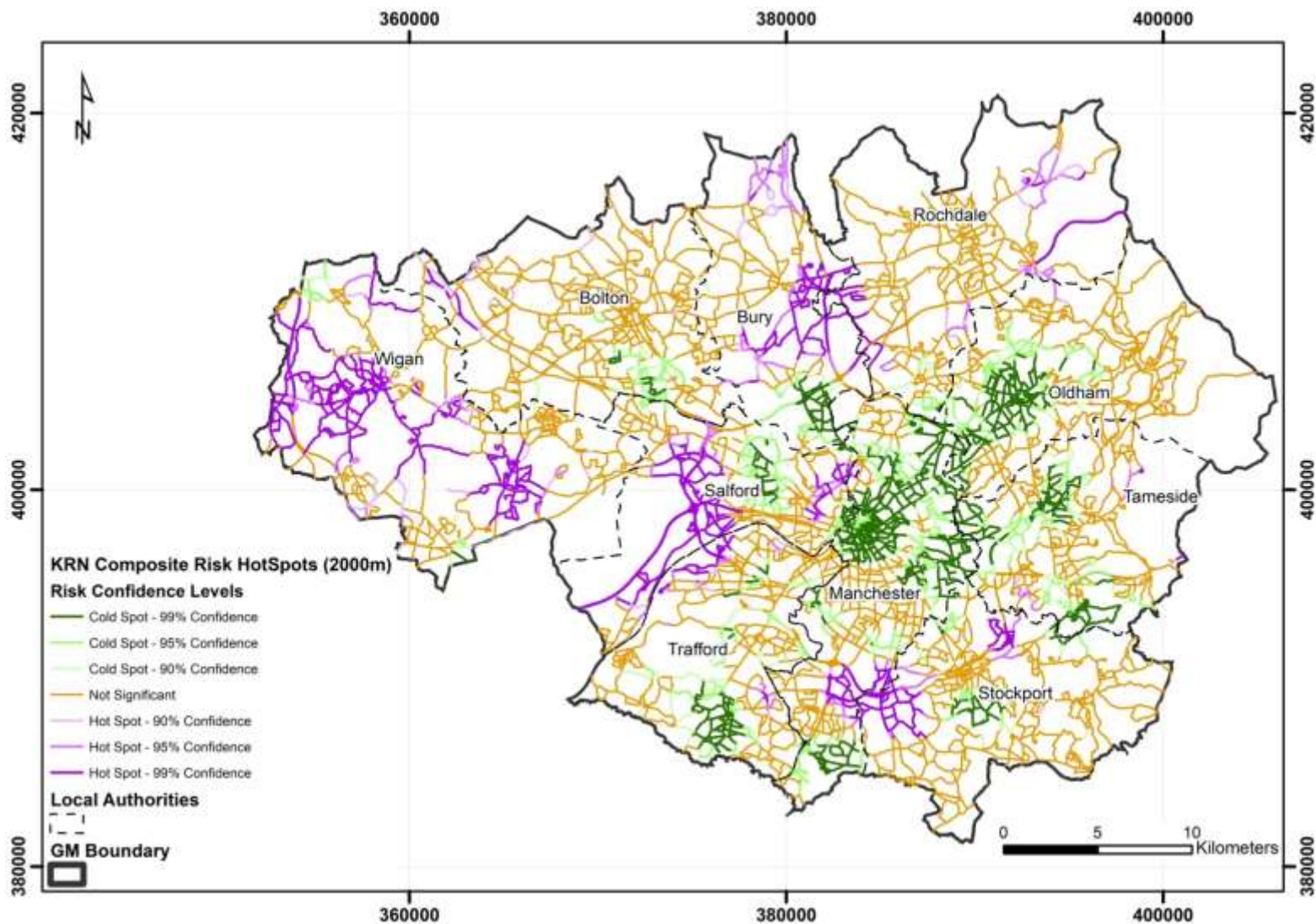
- Pays attention to the highest risks
- Helps to compare climatic with non-climatic risks
- Helps to illuminate different decision options
- Helps to develop tailored adaptation strategies



Zooming Down

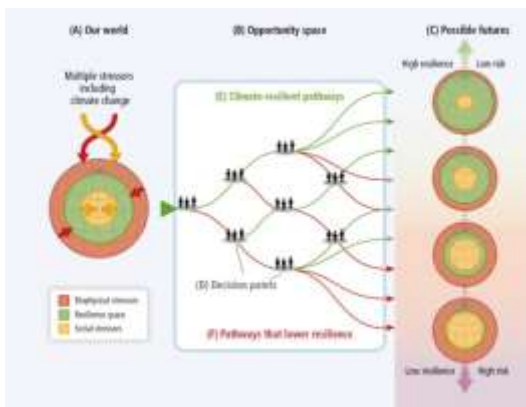
Step 1	High-level, non-spatial risk assessment	What are our most prescient hazards and highest risk infrastructure types?
Step 2	GM-level spatial risk assessment of transport infrastructure	What is the spatial pattern of risk X on infrastructure Y?
Step 3	Adaptation pathways approach to a particular site	In what way might this risk harm our wider plans and objectives for a site?

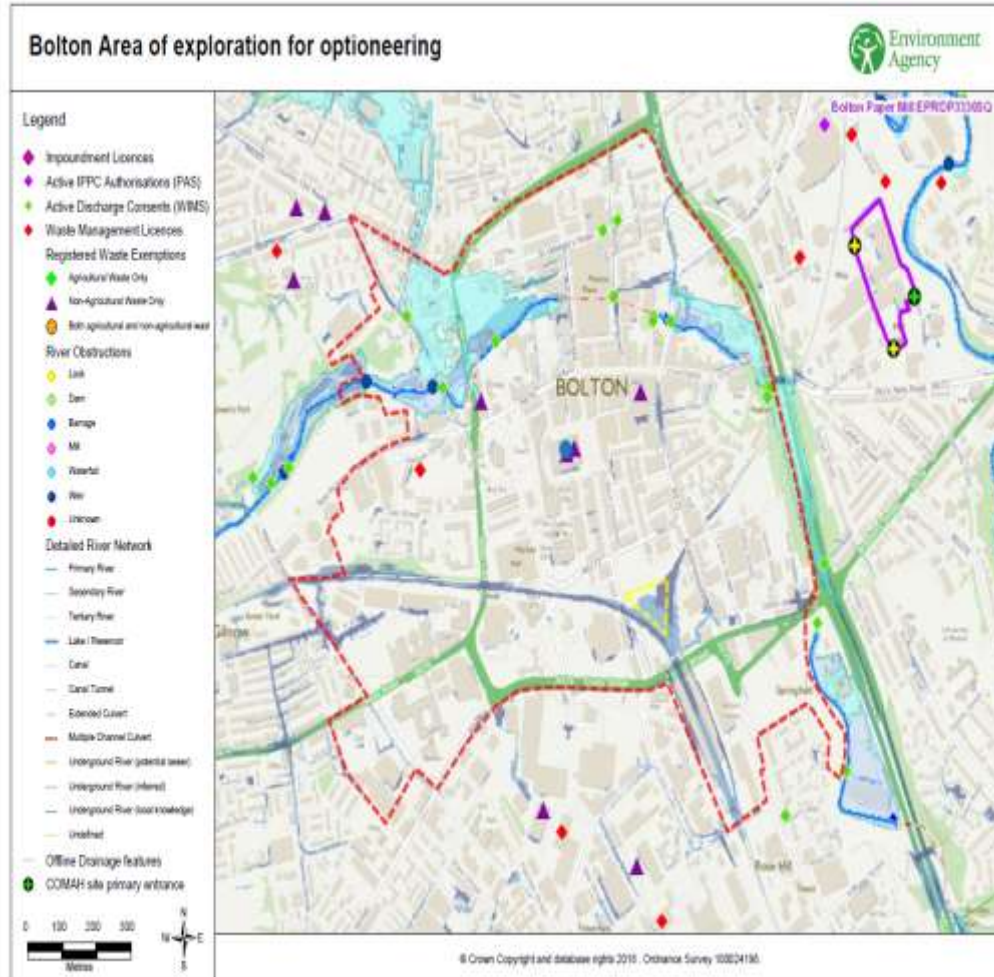
Flood risk to GM's Key Route Network Composite Risk Hotspots



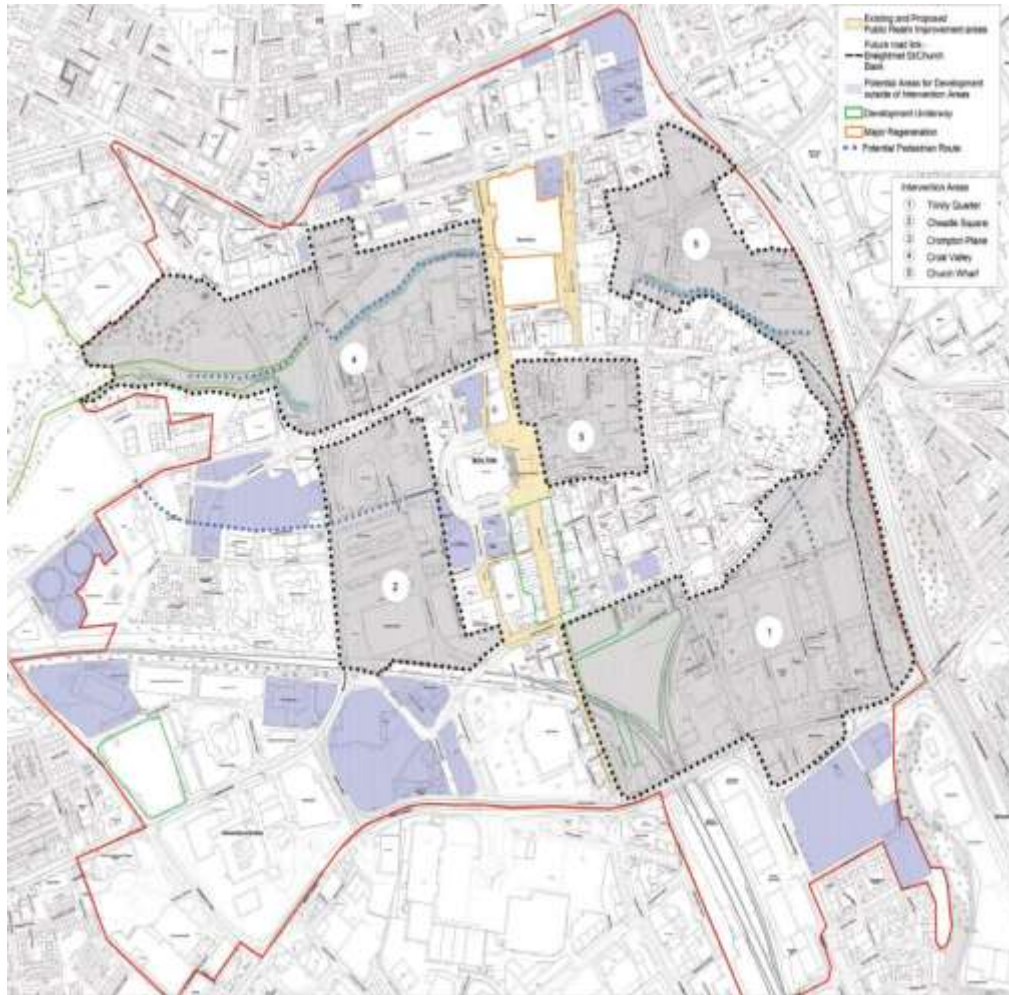
Zooming Down

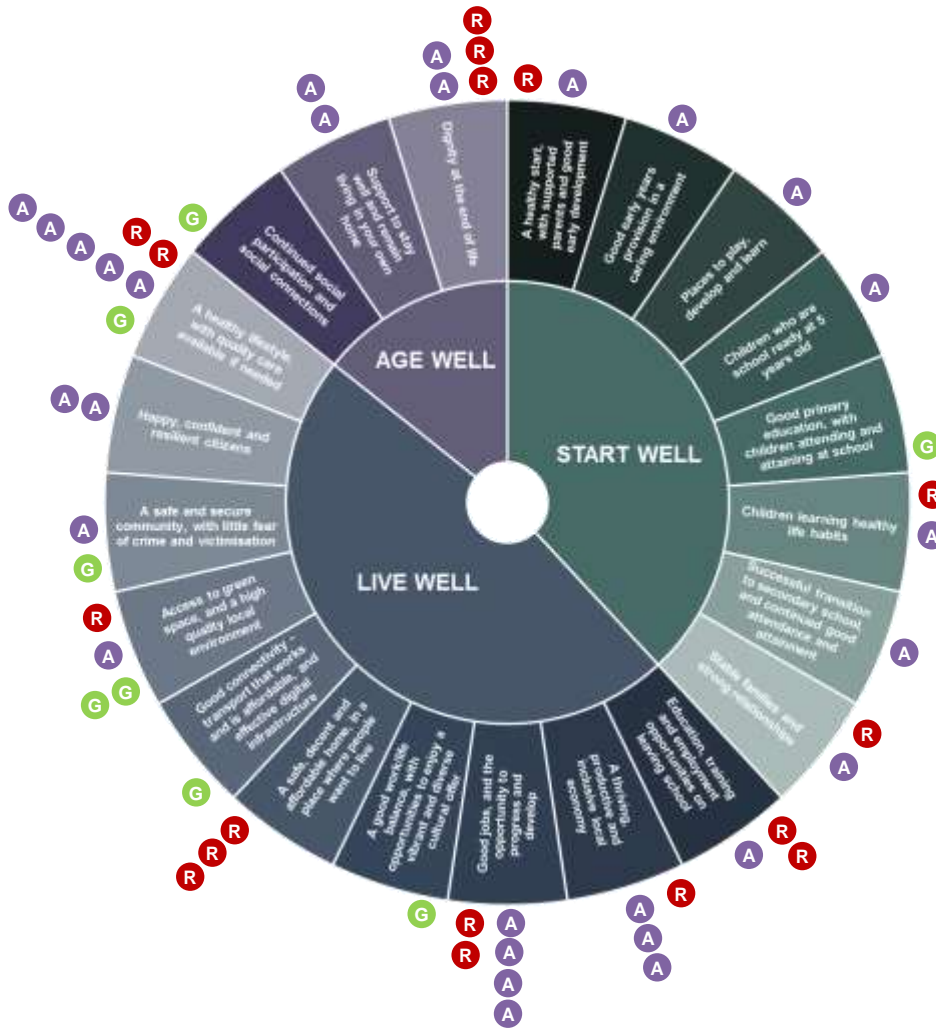
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Bolton Town Centre: A potential window of opportunity?





Joined-up ambitions

- Risk assessments can help to advance the agenda
- Risk assessments give added granularity in terms of selecting priorities
- Increasing resilience helps to realise wider ambitions

But.....

Our question to you...

What do you need to move into *implementation*
/ action?

References

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Figure References

Slide 2: The EcoCities Project (www.adaptingmanchester.co.uk). Source: Authors

Slide 3: The IPCC AR5 conceptual framework with risk at the centre. Source: IPCC, 2014

Slide 5: Flood risk to GM's Key Route Network. Source: Authors

Slide 6: Climate resilient pathways diagram. Source: IPCC 2014; Adaptation Pathways Process. Source: Technalia

Slides 7 + 8: Bolton Town Centre. Source: The Environment Agency

Slide 10: Greater Manchester Strategic Priorities. Source: The Greater Manchester Strategy (2017). Courtesy of: Greater Manchester Combined Authority

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