

UNIVERSITY OF
EXETER

**GreenFutures
Network**

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RESEARCH | RESOURCES | EVENTS | COLLABORATION | EXPLORATION

Climate adaptation

Purpose

1. Establish common challenges
2. Identify existing work and gaps
3. Decide on the value and potential format of an ongoing community of practice



Climate adaptation

"the process of adjustment to actual or expected climate and its effects in order to moderate harm or take advantage of beneficial opportunities."

IPCC Sixth Assessment Report (2022)

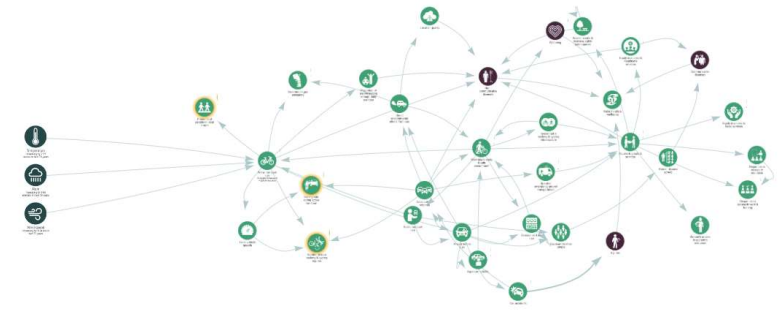
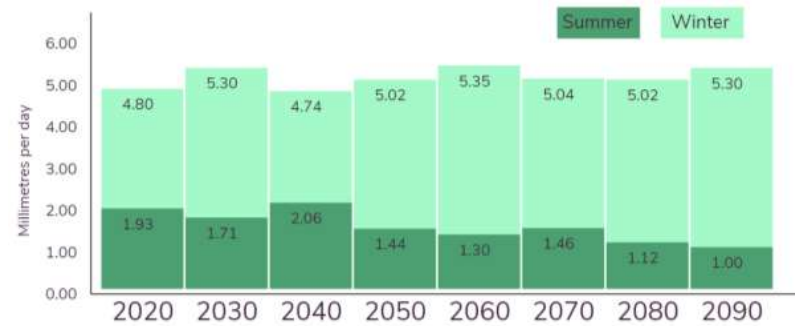
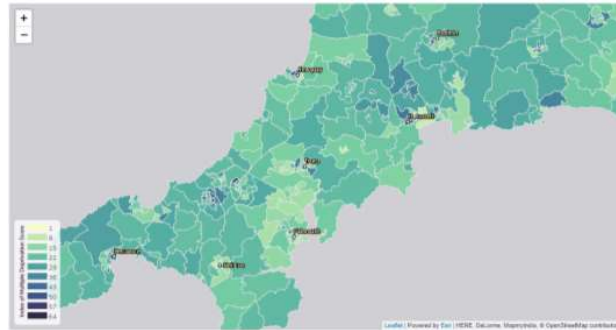


Climate adaptation

1. Introduction, who's here?
2. Challenges – Local Climate Adaptation Tool (LCAT)
3. Discussion
4. Existing work – Ellie Murtagh, Sniffer/Adaptation Scotland
5. A Community of Practice
6. Next steps



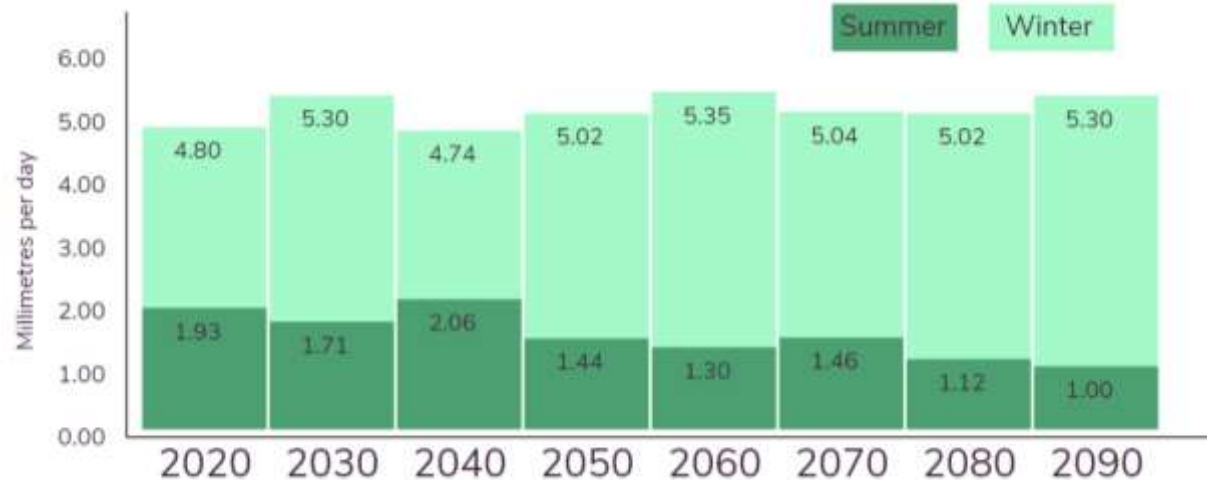
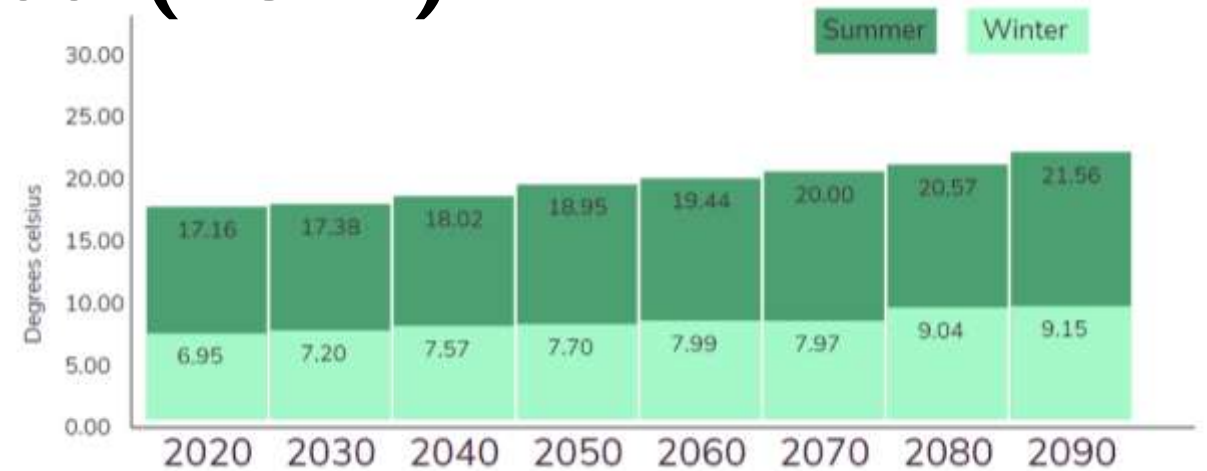
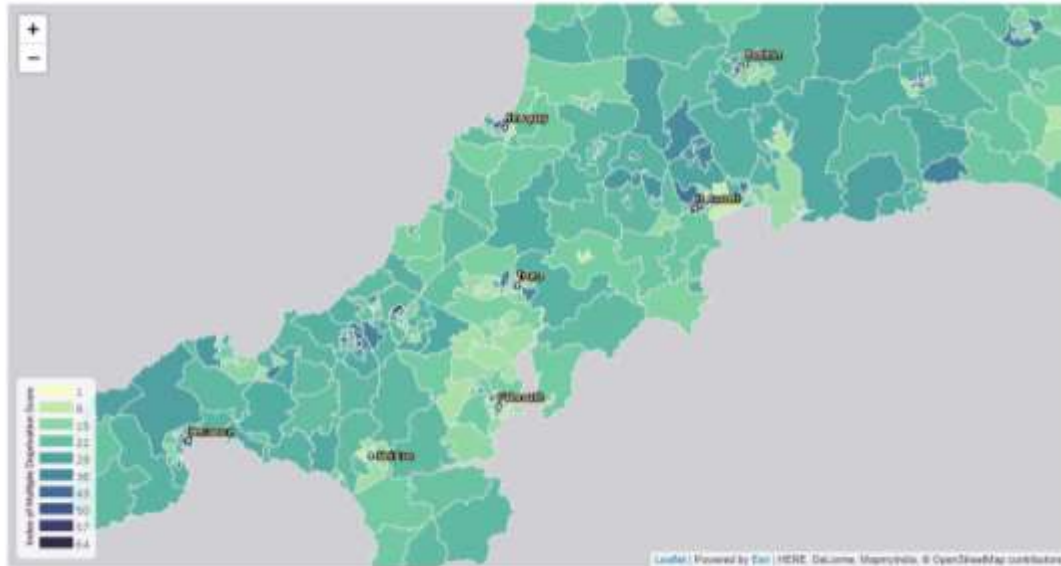
Local Climate Adaptation Tool (LCAT)



Local Climate Adaptation Tool (LCAT)

Communicating climate modelling

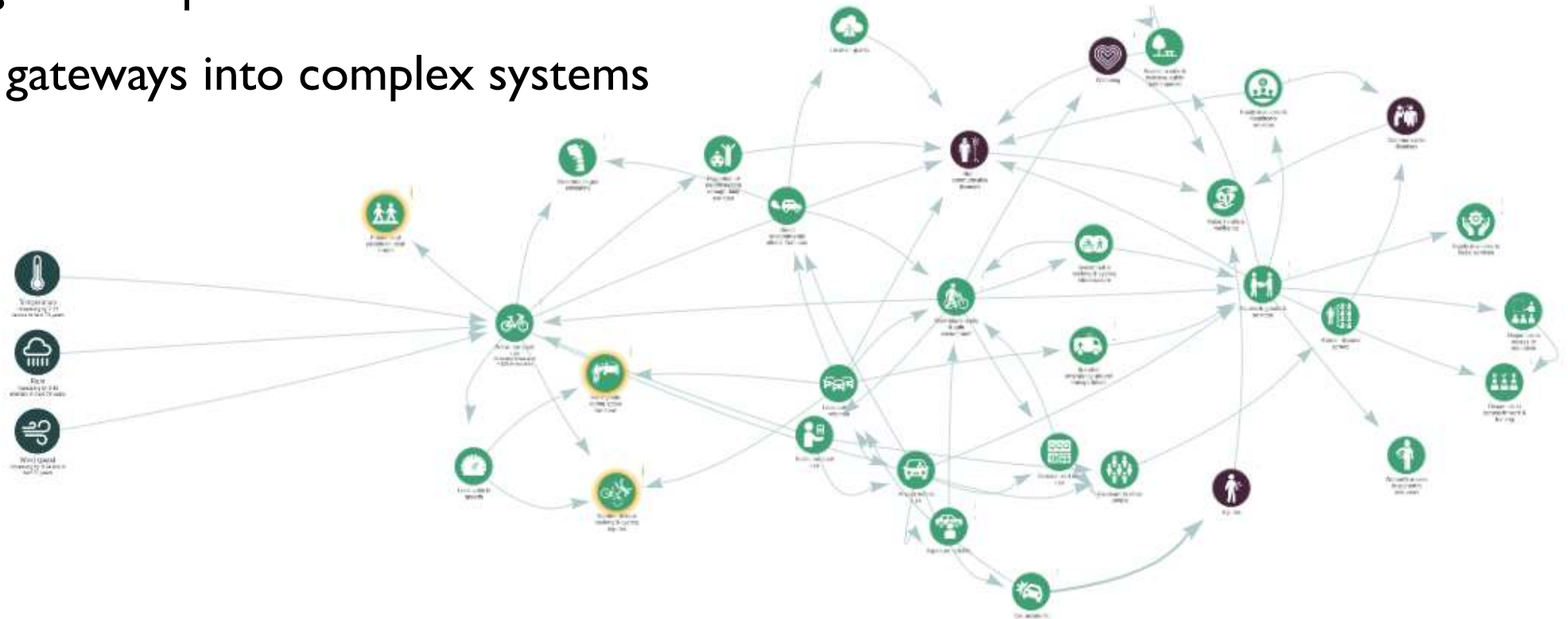
1. Translating the data
2. Telling reliable and relevant stories



Local Climate Adaptation Tool (LCAT)

Navigating the complexity of resilience and systems

1. Avoiding oversimplification
2. Multiple gateways into complex systems



Local Climate Adaptation Tool (LCAT)

Making practical recommendations

1. Understanding risk currencies
2. Anticipating the future of decision making

Install permeable paving ▶

Improve drainage ▼

Improving drainage will maintain road use for active travel during periods of increased rainfall.

- References:

1. [Flexible Pavements and Climate Change: A Comprehensive Review and Implications](#) Yaning Qiao, Andrew R. Dawson, Tony Parry, Gerardo Flintsch, Wenshun Wang: Sustainability 2020 Issue: 3 DOI: 10.3390/su12031057
2. https://www.c40knowledgehub.org/s/article/Reducing-climate-change-impacts-on-walking-and-cycling?language=en_US

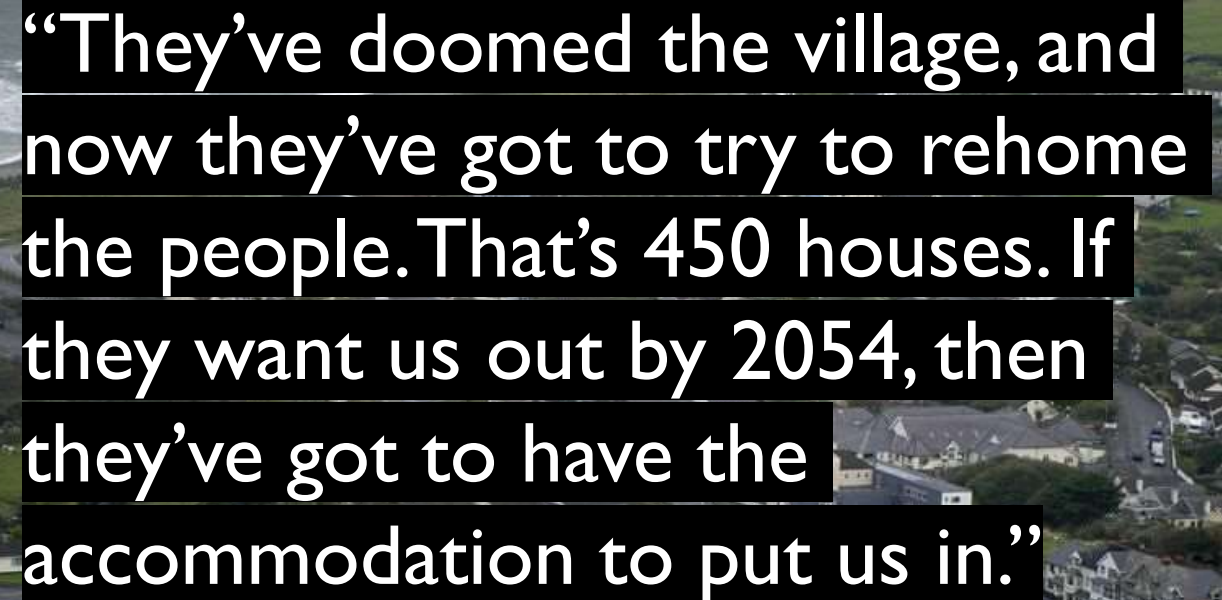
Raise road surface levels ▶



Local Climate Adaptation Tool (LCAT)

Accountability, authority, and power

1. 'Acts of God'
2. Short-term decision making
3. Shifting baseline syndrome



“They’ve doomed the village, and now they’ve got to try to rehome the people. That’s 450 houses. If they want us out by 2054, then they’ve got to have the accommodation to put us in.”



Community of Practice

Example levels of engagement

1. Receive tools, case studies - email digest
2. Attend events, suggest speakers
3. Explore potential new projects, funding etc.

