Adaptation Community of Practice

LCAT as an example of internal buy-in
January 2023

LCAT

LOCAL CLIMATE
ADAPTATION TOOL

University of Exeter

CORNWALL COUNCIL
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THEN TRY THIS

The Alan Turing Institute

Where we began

Initial questions

- What climate change adaptation was happening locally?
- What were the barriers and levers to action?
- What **health impacts** were of concern?
- What, if any, role could the University play?

Stakeholder engagement:

- Workshop involving Council, NHS, Emergency Services, Voluntary and Private sectors
- 1:1 engagement with professionals and groups

Stakeholders told us:

- There was a recognition of need but **limited action**
- They lacked **financial** and **time resources**
- There is a culture of **short-term decision making**
- There was a lack of **expertise**, and **confidence**
- There was a desire for **cross-service** & **partnership working**
- Concerns focussed on **inequality**, **mental health**, **isolation**
- There was **no climate model** for the local area

LCAT Aims

To co-design a **digital tool** that supports local decision makers in finding evidence-based **adaptation** solutions for the effects of climate change, using health as a common language.

Stakeholder insight and LCAT updates

Insight from stakeholders	Changes made
Methodology and **data sources** need to be clearer and explained, to increase trust in tool	New FAQ document. Sources made clear within tool, with hyperlinks where relevant.
Offering **both summary and detail** remains key for the diverse audience that will use the tool	Summary and detail remain
Detail needed on **WHY** something is occurring, **HOW** it might impact and **WHO** is impacted. Across whole tool but particularly <u>impact maps</u> & <u>vulnerability</u>	<u>Impact maps:</u> Arrows and nodes include more detail <u>Vulnerability:</u> New FAQ document offers more detail. Node descriptions to come.
Vulnerability data: Why does vulnerability data refer to flood risk index?	The index was developed by ClimateJust, where we draw data from. On discussion with their academics, we removed reference & related vulnerability as current focus is on HEAT
Climate data: Prototype 1 considers worst case scenario only, what about other options?	We now offer choice of 2 future scenarios ('policy' and 'worst case')
Maps: offer wider range of geographical views	As per stakeholder feedback, now offering: local authority area, parish council, counties, MSOA, LSOA, data zones
Introductory information is needed to explain who the tool is for and how it should be used	Included in new tool and new FAQ doc offers more insight inc. multi-dis approach

Future Development for 2023 and beyond

- **Research more topic areas:**
  - Hydrological Cycle Disruption (flooding/drought)
  - Extreme Storms (incl. some coastal erosion and sea level rise)
  - Coastal Security & Ocean Systems Change
  - Personal Security e.g. invasive species, air quality & food security
- **Case study development**
- **Development of a knowledge and skills resource**
- **Explore:**
  - How to support equitable adaptation (as per IPCC advice)
  - How to improve content related to emergency services (inc water safety)
  - How we might develop procurement information
  - How to support users to prioritise actions
  - How to highlight co-benefits (mitigation/ adaptation/ biodiversity)