

Tracking Progress on Climate Change: An Adaptation Action

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Monitoring & Evaluation for Climate Change Adaptation

- Urgent need to effectively implement and embed strategies and actions
- Need to report on success stories and learn from each other
- Post Paris – Importance of tracking progress through Monitoring and Evaluation
- Assessment tools and frameworks emerging – few implemented....



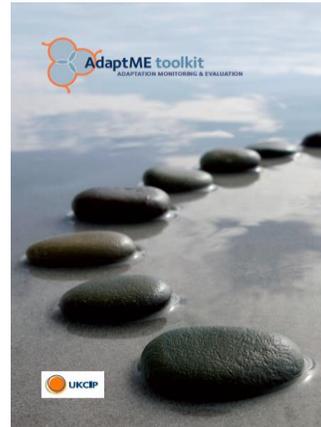
[Image Source: www.vcccar.org.au](http://www.vcccar.org.au)

Why M & E is important?

Helps to answer....

Are we doing things right?

Are we doing the right things?



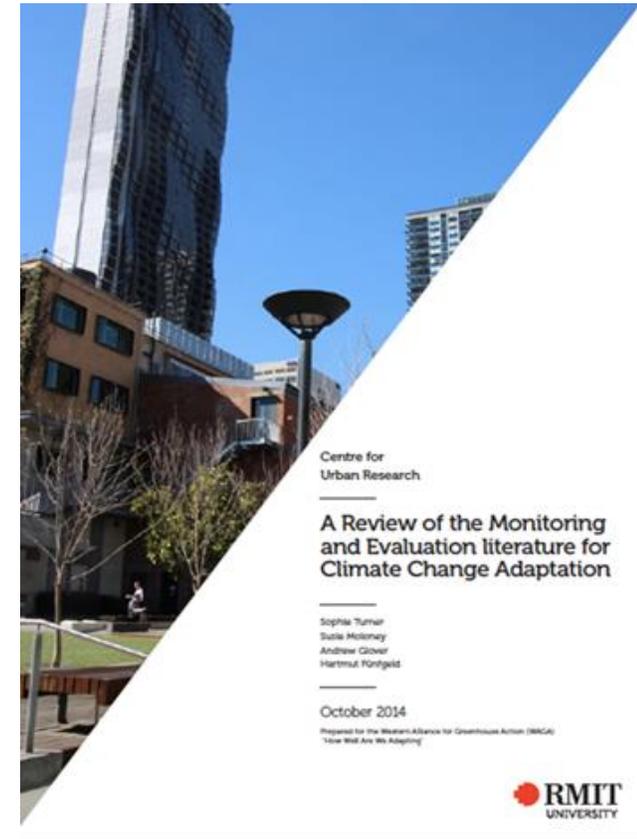
AdaptME toolkit (UKCIP 2011)



Purpose or what M & E can enable

- To evaluate effectiveness
- To assess efficiency
- To understand equity
- To provide accountability
- To assess outcomes
- To improve learning
- To improve future activities or interventions
- To compare with other similar activities or interventions.

(AdaptME Toolkit, 2011)



Access Report

https://gallery.mailchimp.com/b38874b25e686137780eb836e/files/M_E_Lit_Review.pdf



Successful Approaches to M & E

Engaging and Collaborating



Engage broad range of stakeholders to help define what success might be, who benefits, who does not; flexibility of an intervention might be a measure of success

Ongoing and Iterative



Systematic M & E, iterative processes, tracking progress helps deal with long time lines

Sharing and Communicating



Share learning – across organisations and beyond

Timing and Action



Learnings from M & E timed to inform key decisions
Where, when and to whom do the key learning messages need to be articulated?



Regional baseline indicators

This data gives us the context and highlights regional vulnerabilities that will inform where to target interventions. However, council policies have little immediate influence over these indicators.

Climate variables

Climate parameters such as temperature or rainfall will be tracked over time to inform council planning and response over the medium to longer-term.

Regional vulnerability or resilience

Indicators that suggest heightened vulnerability to key climate impacts, e.g. socio-economic disadvantage, demographics, physical vulnerability and flood risk, etc., will be monitored

Themes

Important council areas affected by climate change

Community wellbeing & emergency management

Open space & water security

- Assets & infrastructure
- Planning, building & regulation
- Council service delivery

Theme components

These indicators are targeted at the individual council impact and intervention level, rather than at the regional scale—the climate impact and adaptation responses described and monitored here are grounded in councils' service delivery and implemented by operational staff.

Through combining indicators from each theme under these components, the councils and WAGA will have enough information to provide an informed story to council and the community about what is happening.

- 1. Service vulnerability or resilience**
Measure the ability of a service or asset to cope with and recover from the effects climate variability and change (i.e. measures vulnerability but could measure action effectiveness).
- 2. Institutional capacity**
Measure the existence of appropriate structures, institutions, processes (formal or informal) or legal frameworks to respond and adapt to climate change. For example, appropriate knowledge, staff training, committees, and coordination of risk across the organisation, etc.
- 3. Budgeting and Finance**
Captures the extent to which actions and processes to address climate change are costed, budgeted for, and financially provided for. (also financial impacts of changing climate)
- 4. Participation and Awareness**
Assesses the extent to which climate change planning involves all relevant stakeholders and evaluates their awareness of climate change issues, use of climate information, understanding of risks and potential response options, as well as actions to promote awareness in different contexts.

How Well Are We Adapting? WAGA

HOW WELL ARE WE
ADAPTING

How are councils responding to climate change in Melbourne's West?

About this tool

How Well Are We Adapting is a web-based climate change adaptation monitoring, evaluation and reporting tool for local governments in Melbourne's western region.

[Read More](#)

About | Climate change in our region | Strengthening community | Our local parks and sports fields | Login



Benefits of 'How Well Are We Adapting?'

Community

It shows local, real impacts.

Positive message – you can and do make a difference!

Engaging and credible resources

Local Government and other organisations

It identifies costs and opportunities – trends over time.

Knowledge sharing, learning, benchmarking

A maturity model that's highly flexible

A community of practice for adaptation

WAGA
Western Alliance for
Greenhouse Action

HOW WELL ARE WE
ADAPTING

How are councils responding to
climate change in Melbourne's West?

Strengthening community

Home ::

Who is at risk, and how are we identifying vulnerable populations?

How are critical services to vulnerable populations impacted by extreme weather events?

When and why do residents seek relief during severe weather events?

How are councils addressing climate change from a resource, management and legislative perspective?

WHAT CAN I DO?

Thermal mapping of Wyndham suburbs shows that urban heat is trapped in built up areas during heat waves, particularly urban areas with dark roof tops and less canopy tree cover.

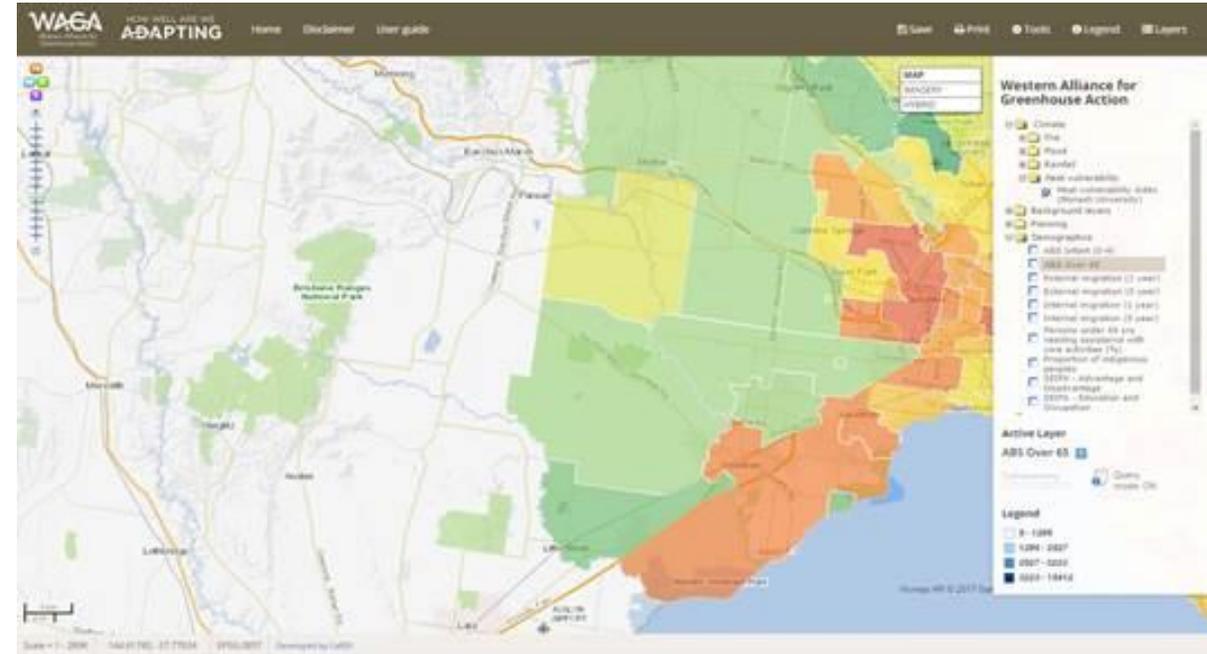
There are a number of ways to reduce your exposure to heat stress and seek relief during a heat wave. It's especially important to be aware of the impact of heat on the health of friends, neighbours or relatives who are elderly, have existing chronic health conditions, as well as babies and young children. For further advice visit the Better Health website which has advice in a number of languages and formats.

Power blackouts frequently coincide with heat wave events due to the excess demand on the network during these times. This can exacerbate heat stress as residents can't use their fans and air

To learn more about the technical features of the tool see
http://www.cerdi.edu.au/cb_pages/how_well_are_we_adapting_portal.php

Learning from the implementation process

- Tool useful for more than just ‘adaptation program evaluation’
- Encourages communication internally across departments and between Councils
- Tailoring an approach to M & E takes time and resources – but is worth it!
- Engaging with operational teams important for learning and relevance
- Managerial support is crucial
- Tool needs to maintain flexibility and adaptability as it evolves



Next Phase : 2018-2020



Project Collaboration RMIT, CeRDI, DELWP and Councils:

- **Expand geographic reach:** Applicable Australia-wide
- **Broaden scope:** Identify areas/sectors the tool should be expanded to cover
- **Improve decision-making:** Develop pathways for ME&R to effectively inform decision making.
- **Strengthen community engagement and communication:** Develop the online portal as a communication tool.