

Rapid Response Mechanism: Rapid Evidence Synthesis for Environment action

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- *“The only man who behaves sensibly is my tailor; he takes my measurements anew every time he sees me, while all the rest go on with their old measurements and expect me to fit them.”*
George Bernard Shaw (1856-1950)



Clarifying uncertainties and needs for evaluation

- Are there important uncertainties that should be addressed prior to making a decision?
- What should potentially be included in the evidence synthesis and how?



It is unrealistic to assume that we can predict the impacts of a public policy with certainty

- Rigorous evidence is often lacking
- Policymakers must still make decisions
- Consequently, evidence is almost always warranted
- Providing evidence will be used to
 - Reduce important uncertainties about implementing an option
 - Identify the need for corrective actions, if things are not going as planned
 - Support continuation of the option, if things are going as planned



Are there uncertainties that should be addressed prior to making a decision?

- It may be prudent to undertake a synthesis before full implementation for options that are promising, but
 - Entail large investments or
 - Important risks of adverse effects
- Undertaking a rigorous evidence synthesis, for example as a pilot study, can potentially
 - Prevent wasting resources
 - Reduce the risk of unintended impacts
 - Ensure that desired impacts will be achieved



Evidence syntheses can be expensive to conduct

- Budget, time or data constraints limit the ability to undertake evidence syntheses
- These constraints can impact on the reliability of evidence syntheses in a number of ways, including:
 - Threats to the overall validity of the results; e.g. due to
 - Insufficient planning or follow-up
 - A lack of evidence to include
 - Reliance on inadequate evidence sources
 - Selection of an inappropriate comparison



Public systems queries

- Financing, Governance
- Organization arrangements
- Implementation strategies
- Technology assessments

Time within - 28days (timely)



- Search strategy drawn and compared amongst team
- Search is done for the best available research evidence
- Evidence appraised, contextualized and summarized



Products

Center for Rapid Evidence Synthesis (ACRES)
Pan African Collective for Evidence (PACE)

May 2025

METHODS TO VERIFY & VALIDATE ARTIFICIAL INTELLIGENCE SYSTEMS: EMERGING LANDSCAPE

This rapid response brief summarizes **evidence on the emerging landscape of verification and validation methods for Artificial Intelligence (AI) systems**. Verification & validation methods are processes undertaken to assess the functional, operational, security, and safety requirements of the design, development, and deployment of AI systems with an aim of ensuring that these meet the stakeholders' needs and interests.

A scoping review was conducted to inform this evidence brief, and it included 64 reports, including peer-reviewed articles, conference proceedings, and graduate theses, among others.

KEY MESSAGES

❖ Verification and validation methods have increased and become

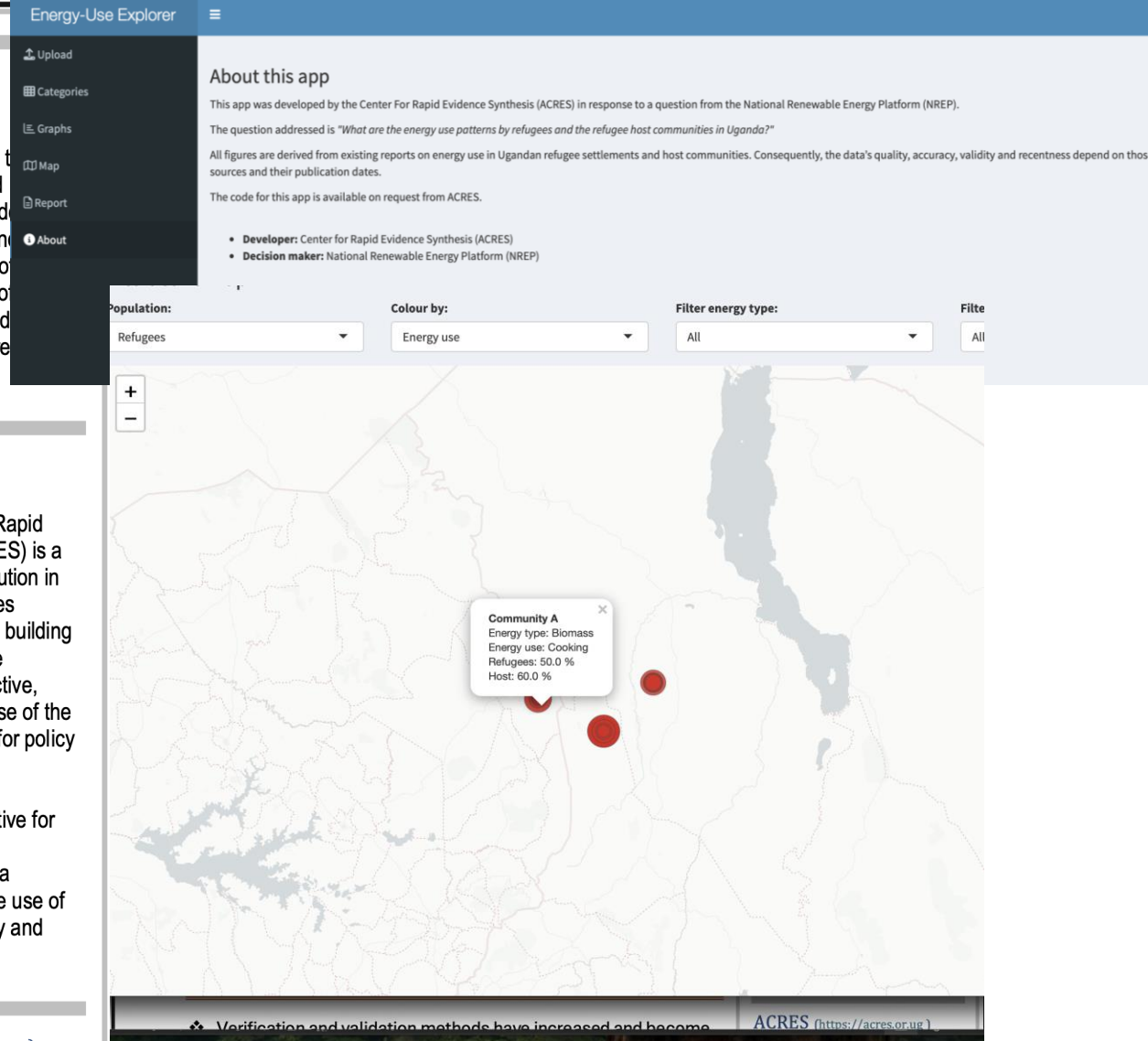
What is a Rapid Response?

Rapid Responses address the needs of policymakers and managers for research evidence that has been appraised and contextualised in a matter of hours or days, if it is going to be of use to them. The Responses address questions about national, regional, and global systems.

ACRES – The Center for Rapid Evidence Synthesis (ACRES) is a knowledge brokering institution in Uganda whose aim includes delivering timely evidence, building capacity and improving the understanding of the effective, efficient and sustainable use of the rapid evidence syntheses for policy making in Africa.

PACE- Pan African Collective for Evidence is a non-profit organisation in South Africa dedicated to supporting the use of evidence to reduce poverty and inequality in Africa.

ACRES (<https://acres.or.ug>)



RAPID RESPONSE SERVICES

for decision making

- **General**

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