



Evidence gathering:

Global Review on Safer End of Engineered Life

Engineering X

Global Review on Safer
End of Engineered Life



Royal Academy
of Engineering

Lloyd's Register
Foundation

Examined different streams:

- Plastic waste
- Medical waste
- Electronic waste
- Construction and demolition waste
- Land disposal

Converged on 3 overarching themes:

- Open burning
- Dumpsites
- Waste pickers



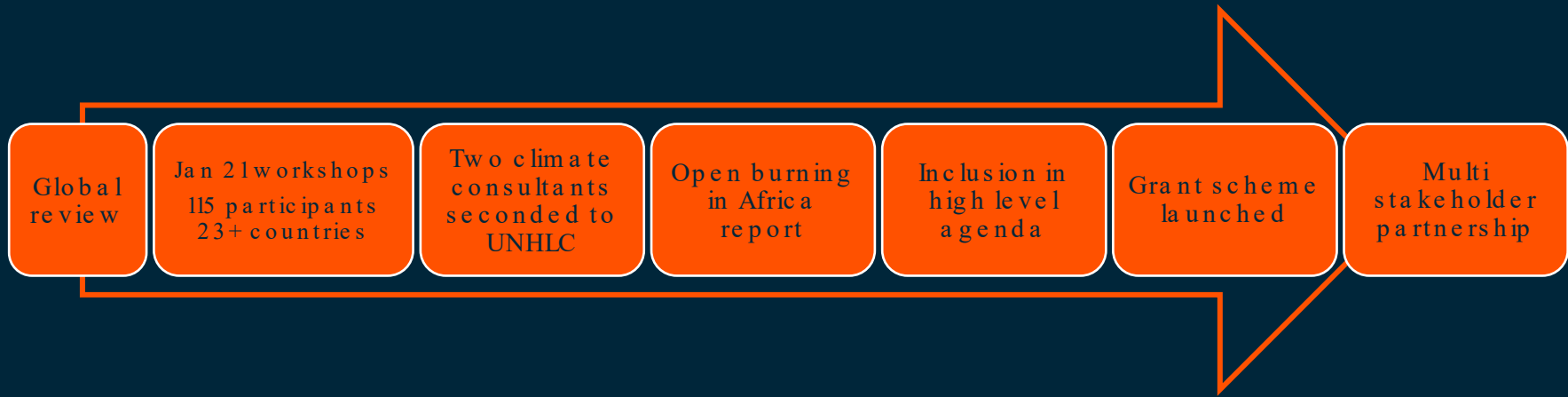
UNIVERSITY OF LEEDS

ISWA
International Solid Waste Association

WASTE™
waste management
for everyone

ISSL

Addressing Open Burning of Waste



Global awareness raising

HLCC team & COP26/27
ISWA World Congress
UNEP Global Waste
Management 2
AMCEN & resolution

Knowledge sharing

Events and webinars
Online community of
practice

Funding

Evidence building & baselines
On-the-ground impact
projects
Raising with other funders



ISWA
International Solid Waste Association



**CLIMATE &
CLEAN AIR
COALITION**
TO REDUCE SHORT-LIVED
CLIMATE POLLUTANTS



wasteaid

Multi stakeholder partnership

Co-sponsors:

- African Ministerial Conference on Environment
- United Cities and Local Governments of Africa
- Engineering X
- United Nations High Level Climate Champions

Partners:

- Climate and Clean Air Coalition
- Practical Action
- ICLEI - Africa



Open burning funding call

Grant scheme aims

- Raise awareness and broader understanding
- Build up of evidence base
- Increase knowledge sharing
- Decrease practice of open burning

Grant overview

Two types of grants:

- Impact grants (up to £60,000)
- Baseline study or awareness raising grants (up to £20,000)

Focus:

- Health and safety
- Municipalities and cities
- Build local capacity and partnerships

Application overview

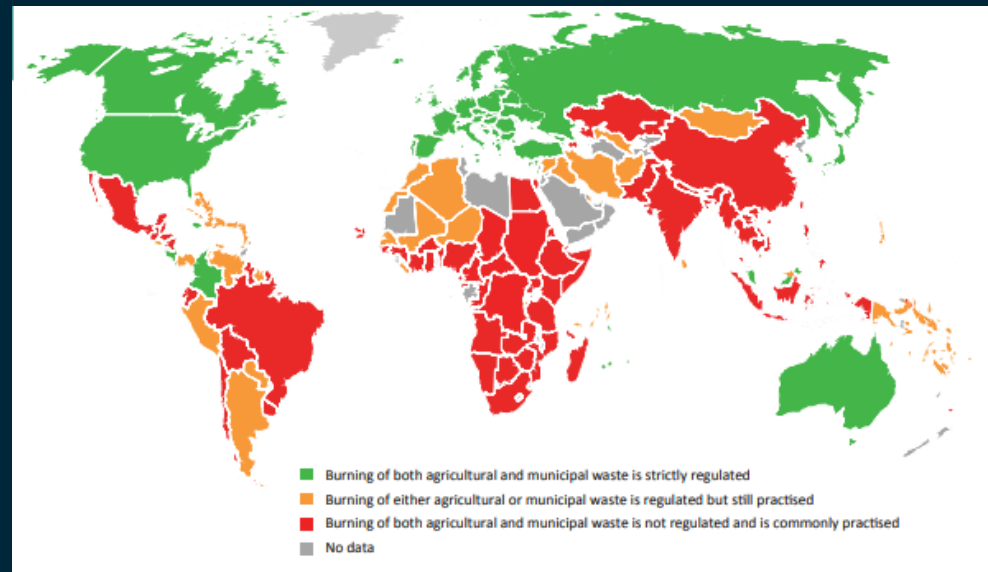
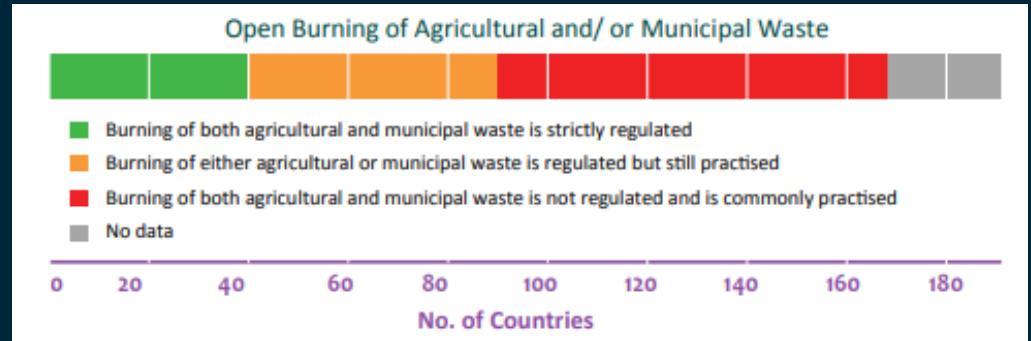
- 185 applications across both types of grant
- Awarded in February 2023



Global Legislative frameworks

- Challenges

- The legislative and policy context forms a key component in the governance structure for managing open waste burning
- However, globally, there are two key issues:
 - For many countries, enforcement and regulation are significant challenges
 - There is no one piece of legislative framework that governs the issue



Global Legislative frameworks

- The existing legislative frameworks include a combination of:
 - Waste management (e.g., the Convention on Environmental Impact Assessment in a Transboundary Context, & EPR)
 - Climate change (e.g., UN Framework Convention on Climate Change, & Agenda 2063)
 - Pollution control (e.g., the Convention on Long-range Transboundary Air Pollution, & the Stockholm Convention on Persistent Organic Pollutants)
- Some governance factors are also accounted for in frameworks covering the Rights of individuals (e.g., Convention on the Rights of the Child & the International Covenant on Economic, Social, and Cultural Rights)



Overcoming the challenges

- The Engineering X programme is directly engaging with the global frameworks and their stakeholders through its UN High-Level Climate Champions and participation in relevant events (e.g., CoP26 and CoP27)
- Hosting more fora to enable policy makers and practitioners working on the ground to work together
- Provision of support for countries to better enable enforcement and regulation (e.g., sharing of best practice & skills, funding, & training)





**Bringing
global
experts
together to
engineer
change**

