# Session 7: Governing AI in energy planning

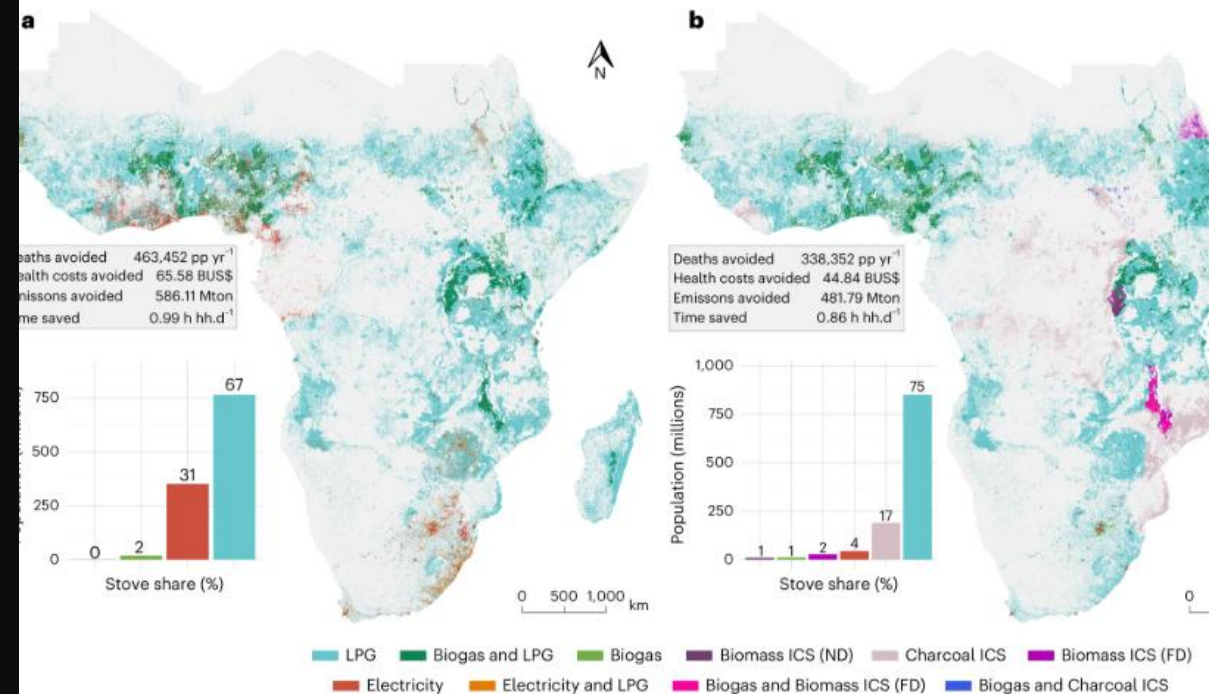## CCG

University Partnership:

UNIVERSITY OF CAMBRIDGE

The Open University

Climate Parliament

University of Strathclyde Glasgow

UNIVERSITY OF OXFORD

Centre for Global Equality

UCL

Loughborough University
STEER – Centre for Sustainable Transitions: Energy, Environment and Resilience
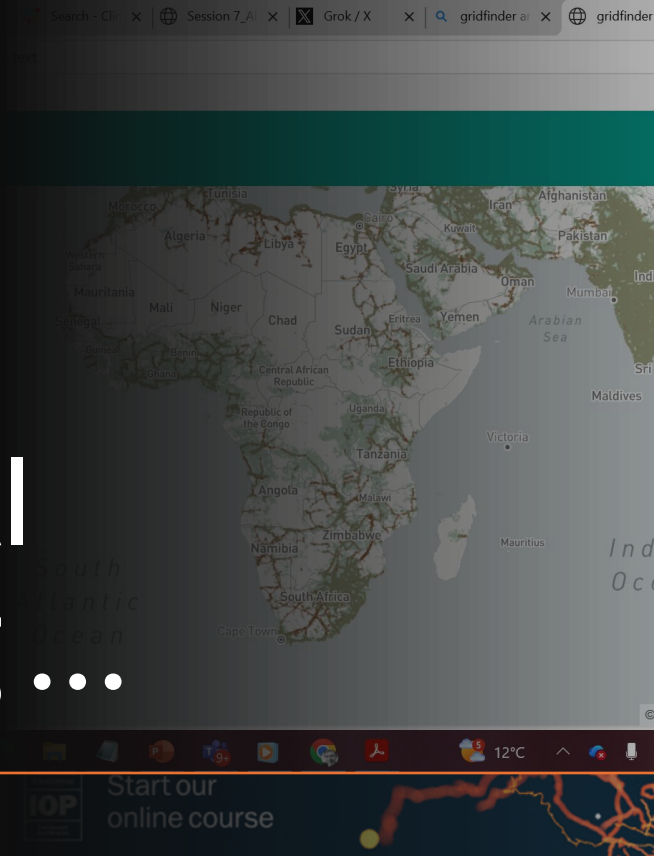
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# Lessons learned from CCG's AI Pilots

- **OnStove:** CNNs + Reinforcement Learning to map and simulate clean-cooking transitions.

- **OSeMOSYS:** Generative AI for filling data gaps and RL to speed optimisation.

- **Capacity building:** AI "co-pilots" in EMP trainings to explain results and flag errors.

# First movers on AI for grid modelling …

Prepping for a future with bigger data …

# The need for collaboration ...

Setting up a working group on AI governance for energy planning

- Shared validation & transparency standards across institutions.

- Develop joint open datasets & benchmark models.

- Coordinate capacity building and peer-review pipelines.

- Establish an *AI in Energy Planning Roundtable* (IRENA - CCG -IAEA - Argonne National Laboratory - others).