

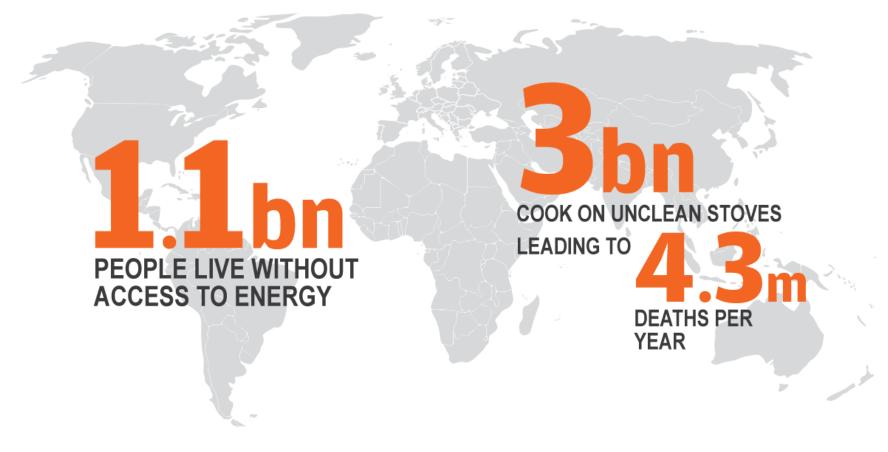


Date 27 March 2017

THE SMART VILLAGES INITIATIVE

Presenter: Dr John Holmes























Ensure access to affordable, reliable, sustainable and modern energy for all

By 2030:

- Ensure universal access to affordable, reliable and modern energy services
- Increase substantially the share of renewable energy in the global energy mix
- Double the rate of improvement in energy efficiency

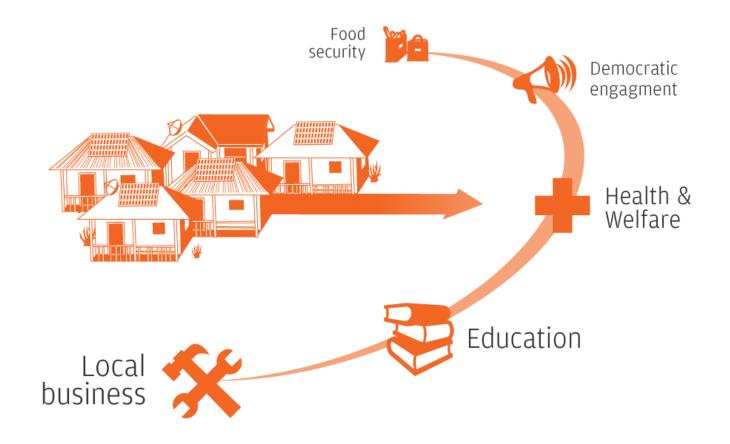


ENERGY ACCESS AS ENABLER OF MOST SDGS





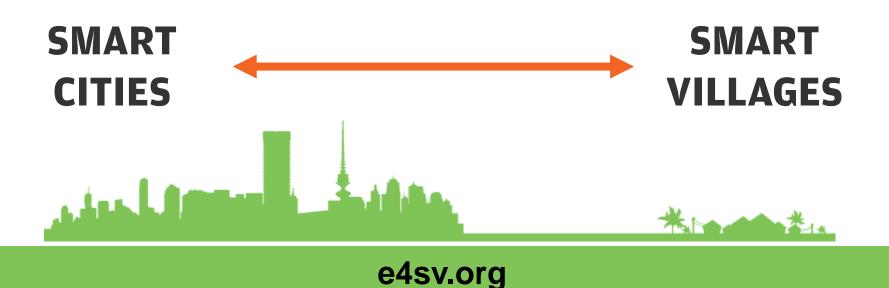
ENERGY AS A CATALYST FOR DEVELOPMENT





SMART CITIES: NEED FOR A VILLAGE LEVEL ANALOGUE

47% of world's population and 70% of the world's poor live in rural villages





SMART VILLAGES: SOME KEY FEATURES

Key services: education, health, clean water and sanitation

- ICT connectivity: distance learning and world's knowledge base
- Modern health services and tele-medicine
- Provision of clean water and safe sanitation



Foster entrepreneurship in the provision and use of energy services

- Capture more of the agricultural value chain
- Create new businesses



Allenabled by access Through ICT connectivity, participate in governance processes

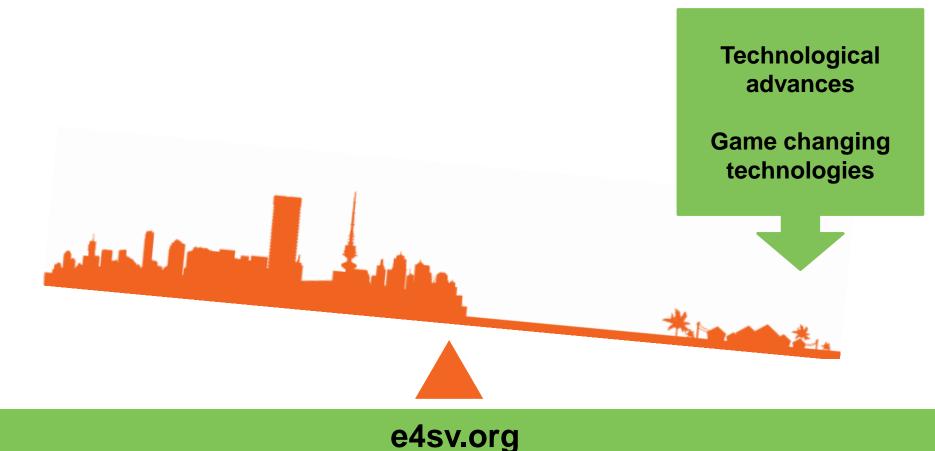
- At local, regional and national levels
- Smart communities with strong rural/urban linkages



Building more resilient communities better able to respond to shocks



SHIFTING THE BALANCE OF OPPORTUNITIES BETWEEN CITIES AND VILLAGES





THE SMART VILLAGES INITIATIVE

Focus: sustainable local energy solutions for rural communities

Policy advice: an insightful, 'view from the frontline' of the challenges of village energy provision for development, and how they can be overcome

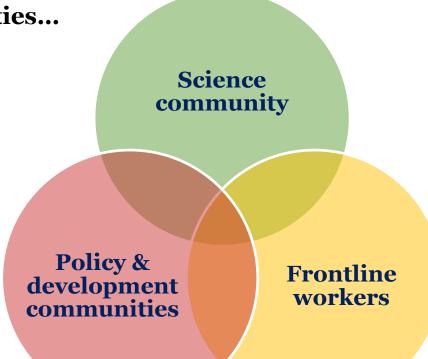
Engagement: bringing together the key players: scientists, entrepreneurs, villagers, NGO's, financers, regulators and policy makers etc:

- What are the barriers?
- How can they be overcome?
- What messages to funders and policy makers?





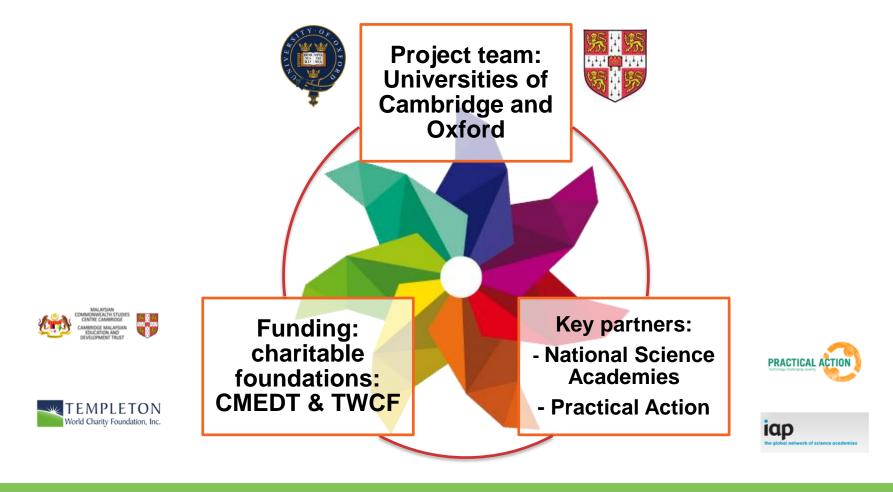
Facilitating discussion between communities...



...on the barriers to energy access for rural development and how they can be overcome

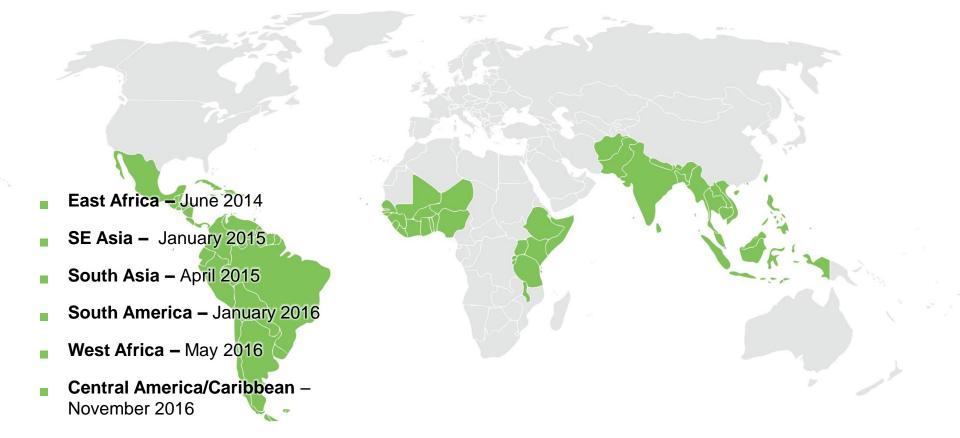


SMART VILLAGES INITIATIVE: A PARTNERSHIP





SIX REGIONAL ENGAGEMENT PROGRAMMES





SIX REGIONAL ENGAGEMENT PROGRAMMES

e4sv.org

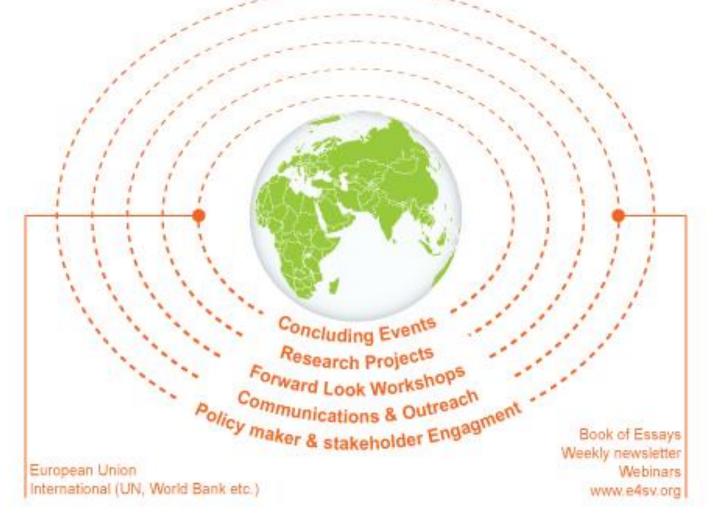
- East Africa June 2014
- SE Asia January 2015
- South Asia April 2015
- South America January 2016
- West Africa May 2016
- Central America/Caribbean November 2016

12-18 month engagement programmes:

- Workshops → reports/policy briefs
- **Briefing meetings**
- Capacity building event
- Media workshop
- Entrepreneurial competition
- Final event pulling together key stakeholders



CROSS-CUTTING ACTIVITIES





WORKSHOPS HELD TO DATE

West Africa

- First West Africa Regional workshop: Accra, Ghana, May 2016
- The WEF nexus, Senegal, August 2016
- Country focus Togo, February 2017

East Africa

- First East Africa regional workshop: Arusha, Tanzania, June 2014
- East Africa media dialogue workshop: Kigali, Rwanda, November 2014
- East Africa Community Leaders' dialogue workshop: Terrat, Tanzania, August 2015
- Concluding high-level workshop for East Africa engagement: Kigali, Rwanda, September 2015

South Asia

- Smart Villages in Nepal: Kathmandu, Nepal, April 2015
- Southeast Asia media dialogue workshop, Seoul, June 2015
- Smart Villages in Bangladesh: Dhaka, Bangladesh, August 2015
- Smart Villages in Pakistan: Islamabad, October 2015
- State level brainstorm: Odisha, India, April 2016
- 4th Forward Look workshop: Mini-grids, Bangalore, India July 2016
- Energy & Agriculture, Hyderabad India, September 2016

Southeast Asia

- First Southeast Asia regional workshop: Kuching, Malaysia, January 2015
- Southeast Asia media dialogue workshop: Seoul, South Korea, September 2015
- Energy for off-grid islands: Bunaken island, Indonesia, November 2015
- Sustainable dissemination of improved cookstoves: lessons from Southeast Asia: Yangon, Myanmar, December 2015
- Smart Villages and resilience to natural disasters: National University of Singapore, May 2016
- The energy & water nexus, Philippines June 2016
- Asia wrap up Workshop, Thailand March 2017

South America

- First South America regional workshop: Lima, Peru, January 2016
- Sustainable energy for rural communities in Bolivia: La Paz, Bolivia, April 2016
- Media workshop, Paraguay, July 2016
- Resilience, Ecuador January 2017

Central America and Caribbean

Opening regional workshop, Dominican Republic, November 2016

UK

- 1st Forward Look workshop: New technologies for off-grid villages a look ahead: January 2014
- In 2nd Forward Look workshop: Potential breakthroughs in the use of energy in off-grid villages: December 2015
- Business and financial models: January 2016
- 3rd Forward look Workshop: Frontier energy storage technologies: Edinburgh University, May 2016



THE SMART VILLAGES INITIATIVE



- **1.** A key aim: identify framework conditions to:
 - foster entrepreneurial activities in delivering & using energy services
 - maximise leverage of public sector funding
- **2.** An underlying premise: to maximise social benefit and development impact:
 - integrate energy access with other development initiatives
 - take a community level approach
- **3.** An important concern:
 - to catalyse rapid progression through the various levels of energy access



Thank you for your attention

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