

# **“Energy Poverty: *How to make modern energy access universal?*”**

Special early excerpt of the  
*World Energy Outlook 2010*  
for the 2010 UN MDG Review Summit

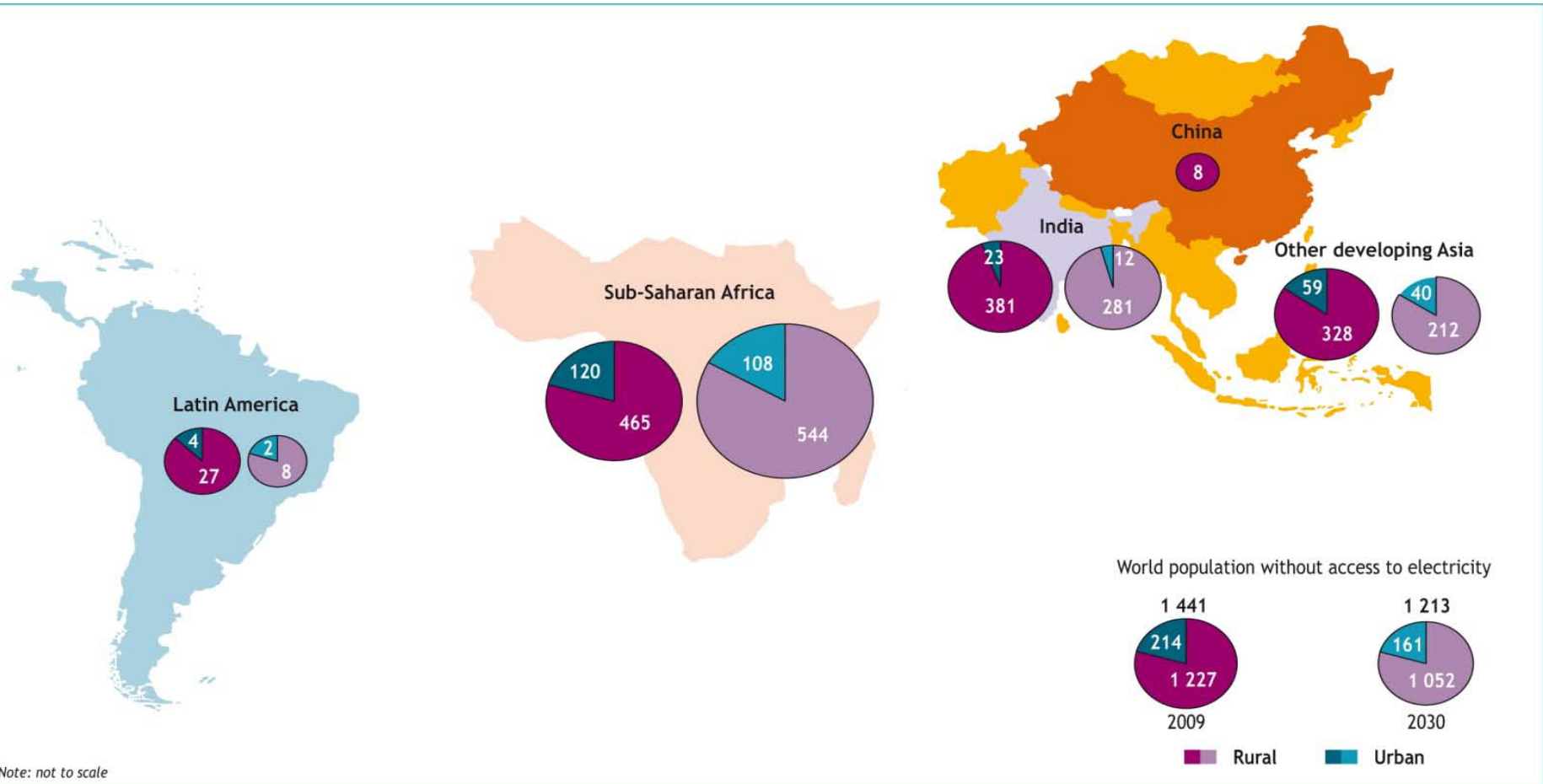
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# Energy poverty: How to make modern energy access universal?

- A joint project by the IEA, UNDP & UNIDO for 2010 UN MDG Review Summit
- Assesses two dimensions of energy poverty:
  - *lack of access to electricity;*
  - *reliance on traditional biomass for cooking*
- To meet the UN MDG of eradicating extreme poverty by 2015:
  - *395 million more people need to gain access to electricity ; and*
  - *1 billion people need to gain access to clean cooking facilities*
- For the more ambitious target of universal access by 2030:
  - *investment of \$36 billion per year in 2010-2030 is needed;*
  - *oil demand would rise by only 0.9% and CO<sub>2</sub> emissions by only 0.8%*

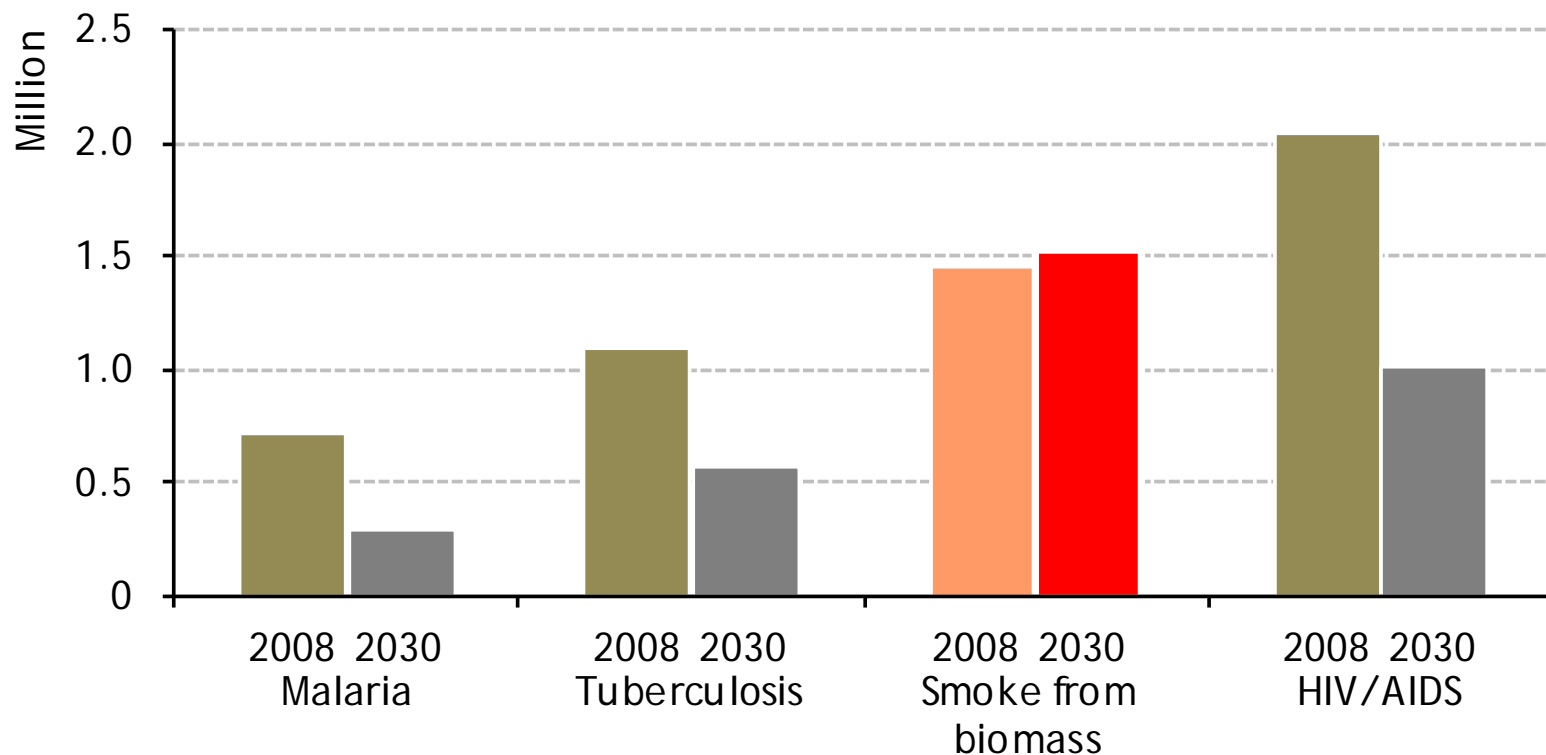
# Number of people without access to electricity (million)



The boundaries and names shown and the designations used on maps included in this publication do not imply official endorsement or acceptance by the IEA.

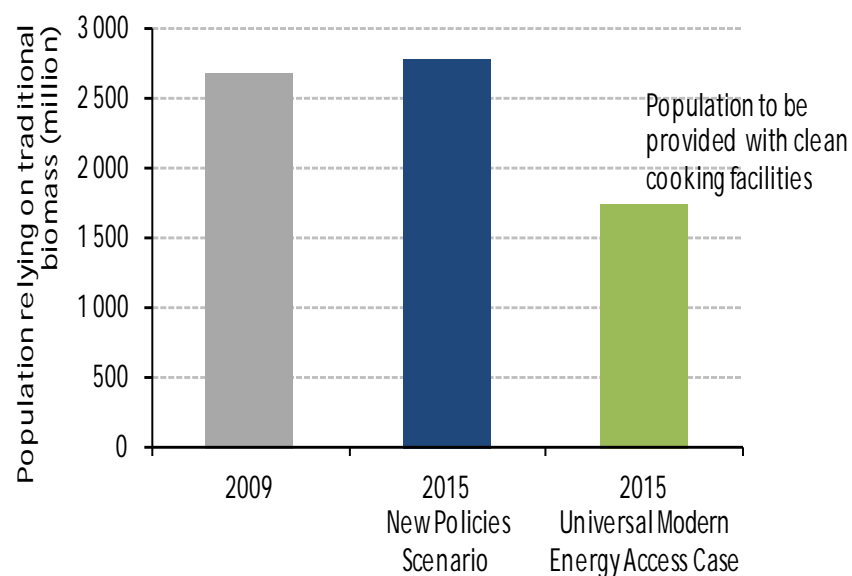
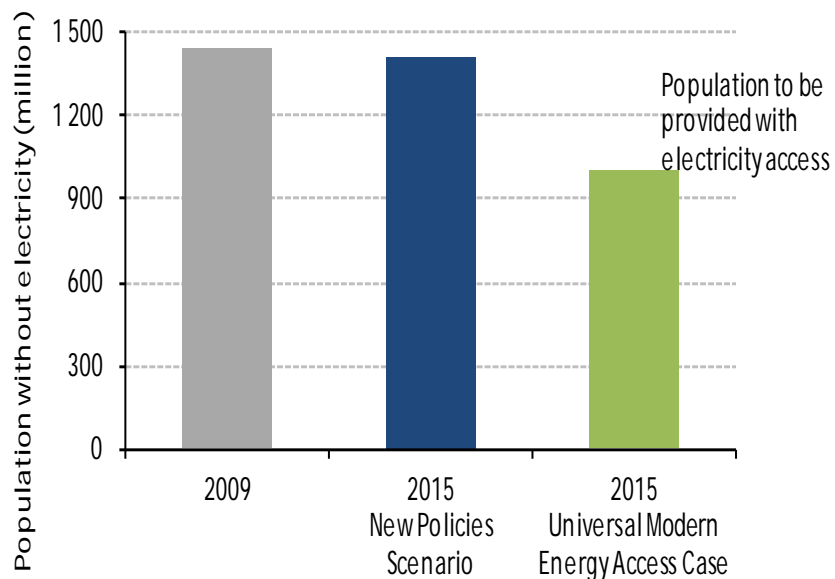
**Today, there are 1.4 billion people lacking access to electricity. Based on current trends, 1.2 billion people – or 15% of the world's population – will still lack access in 2030**

# Health implication of the use of traditional biomass



***Based on analysis carried out jointly with the WHO, there are more people dying from smoke from biomass for cooking than from malaria or tuberculosis today. By 2030 over 4000 people will die prematurely every day from the effects of indoor smoke.***

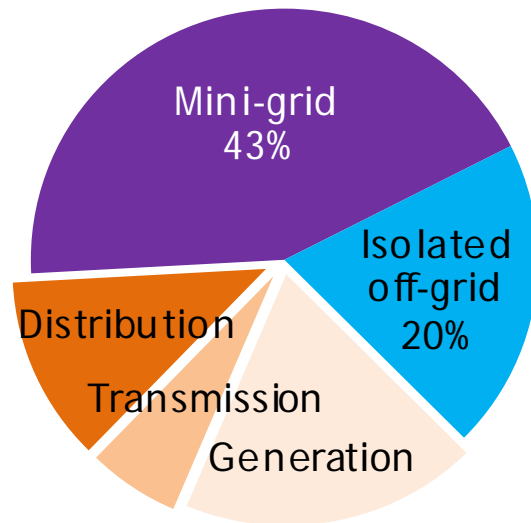
# Implication of halving poverty on energy access by 2015



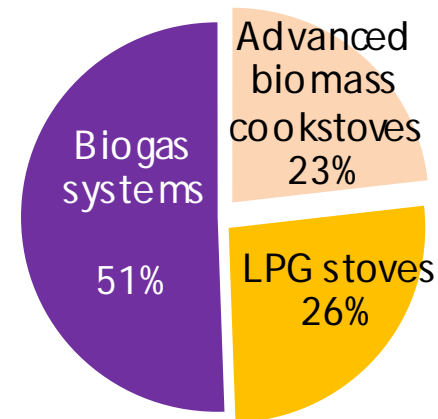
***To meet the UN MDG of eradicating extreme poverty by 2015, an additional 395 million people need to be provided with electricity and an additional 1 billion provided with access to clean cooking facilities***

# Investment needs for universal modern energy access by 2030

Universal electricity access  
annual \$33 billion

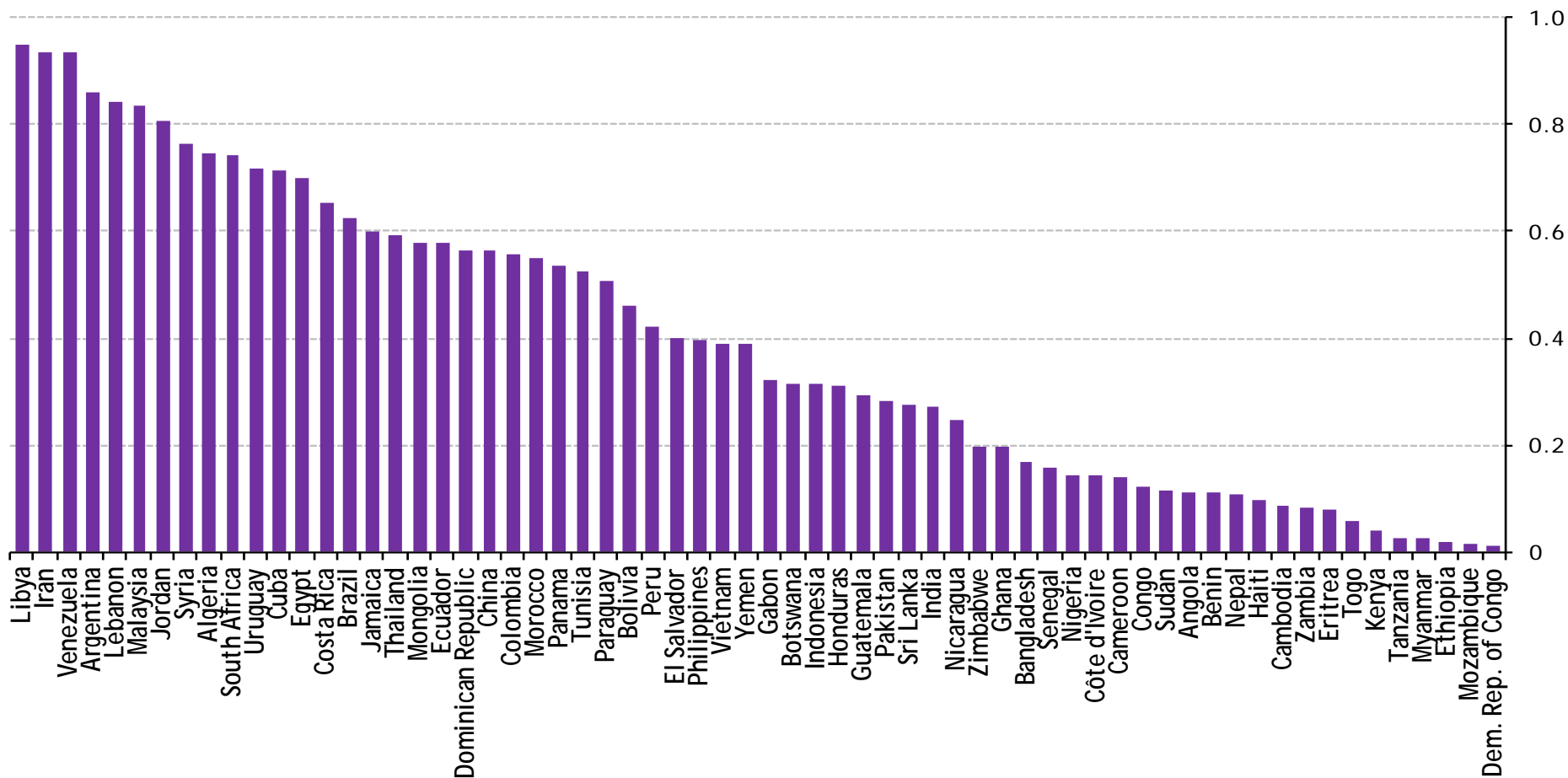


Universal access  
to clean cooking facilities  
annual \$3 billion



***Achieving the more ambitious goal of universal modern energy access by 2030 requires investment of only \$36 billion per year over the next two decades***

# Monitoring progress: the EDI



*The EDI tracks progress in the transition to access to modern energy services*