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CS 150 - Community Action Computing

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## Questions and Discussions

**A. How fast is the global access to electricity growing?**

- a. Not fast at all. In fact very slow. Ex: expected to rise from 91% to 92% from 2021 to 2030

**B. Which regions saw the largest growth in access to electricity?**

- a. South Asia, Sub-Saharan Africa

**C. How does living in the urban vs. rural areas correlate to access to electricity?**

- a. People living in rural areas tend to not have access to electricity compared to those living in urban areas.

**D. Which data is used to gain insights on where people without access to electricity live?**

- a. Nighttime lights captured by Satellites

**E. How does MTF assess the quality of access to electricity in a household?**

- a. Electricity must meet certain requirements such as capacity, quality, affordability, reliability, and safety for households to fully enjoy the benefits of being connected.

**F. What is the environmental trade-off for higher tier access to electricity?**

- a. Moving into higher tiers of electricity access will depend on the affordability and availability of grid and off-grid sources. This may come at a higher cost and generate more greenhouse gases unless growth comes from renewable sources.

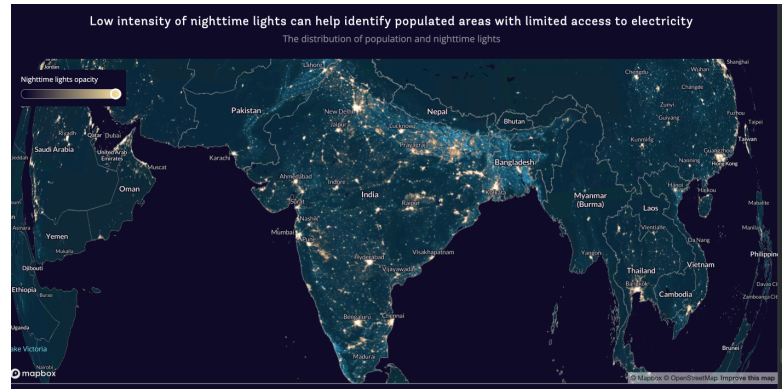
**G. Which regions had the most environmentally sustainable efforts to increase access to electricity? Which regions had it the worst?**

- a. Most environmentally friendly: China, India, South Asia
- b. Worst environmentally friendly: North America, Europe, Central Asia

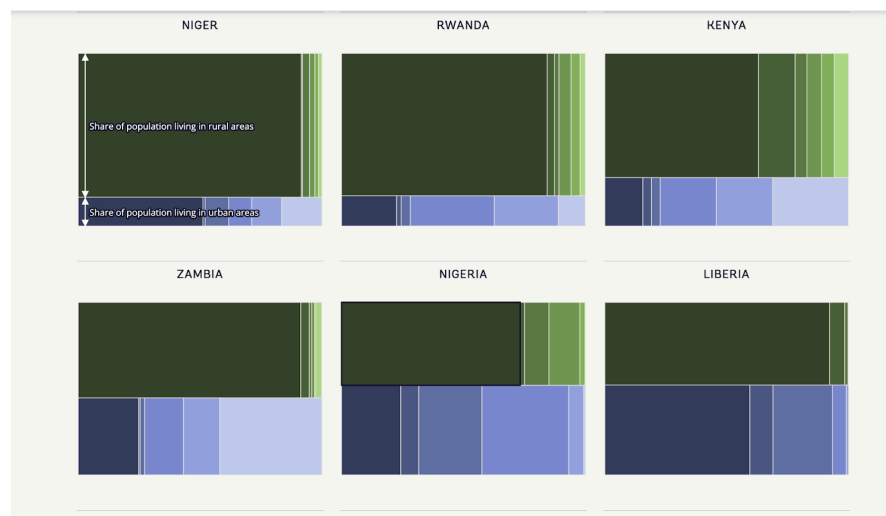
**H. Which is the fastest-growing renewable source of electrical energy in low-income countries? What should be considered when planning for this method of power generation?**

- a. Rwanda, Ethiopia, Uganda
- b. Weather conditions

- I. Was this presentation an effective storytelling with data? Why, or why not?
- a. Yes, the visuals, statistics and explanations were clear.
- J. Which data visualization from the presentation was most appealing to you? Insert a screenshot and explain why.



- a.
- b. We picked this, because it is unique, simple, and not too busy
- K. Which data visualization from the presentation was least appealing to you? Insert a screenshot and explain why.



- a.
- b. This visualization was unclear and contains busy colors.