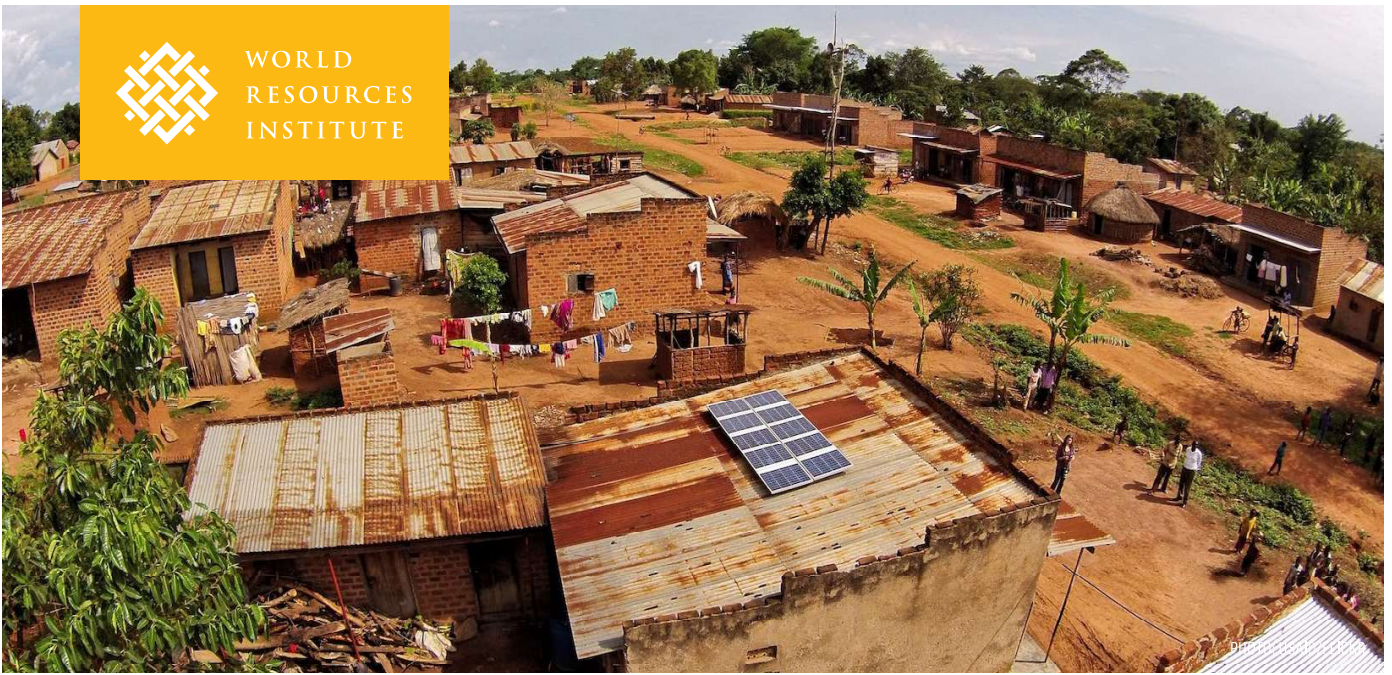




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What is Energy Access Explorer?

Energy Access Explorer is a web platform that leverages the power of satellite imagery combined with local data to visualize energy supply and demand at 1 km² resolution. Using data to link energy supply with growing demand is essential to gain a better picture of energy access around the world and expand electricity services to those who do not have access.

The tool compiles current, location-specific data on energy resource availability (including wind, solar, small-scale hydropower, etc.) and infrastructure data (including road and grid networks, mini-grids and power plants) to represent where energy supply exists. Similarly, Energy Access Explorer compiles data on demographics (including population density, poverty rate and mobile phone ownership) and social/productive uses (including schools, health clinics and agricultural activities) to visualize energy demand.

How can Energy Access Explorer help investors and development finance institutions?

By demonstrating where there is high viable demand for electricity, Energy Access Explorer enables investors and development finance institutions to determine where funding for electrification efforts can be most impactful.

In its next phase of development, Energy Access Explorer users will be able to overlay the best areas for potential electricity expansion with the locations of financial service providers, illuminating the places where financial assistance for expanding energy access is most viable.

Using the tool, an investor can identify areas where their support is most useful – for example, unelectrified areas where current customer ability to pay is low but where opportunities for agribusiness (which require on- or off-grid connections) are abundant due to high irrigation potential

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