

studying city lights to improve energy consumption models and predictions



Light dynamics are a proxy for human activities and occupancy.

Using them in energy modeling improves the models and allows more accurate predictions of energy needs. Ultimately, this can help build a resilient electrical grid that will support the needs of growing urban environments.

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- Institutional Review Board approval of all projects involving non-open data
- CUSP Chief Data Officer, Julia Lane
- limited # of pixels per window (but atmosphere/instrument effects typically dominate)
- aggregate and de-identified analysis only

