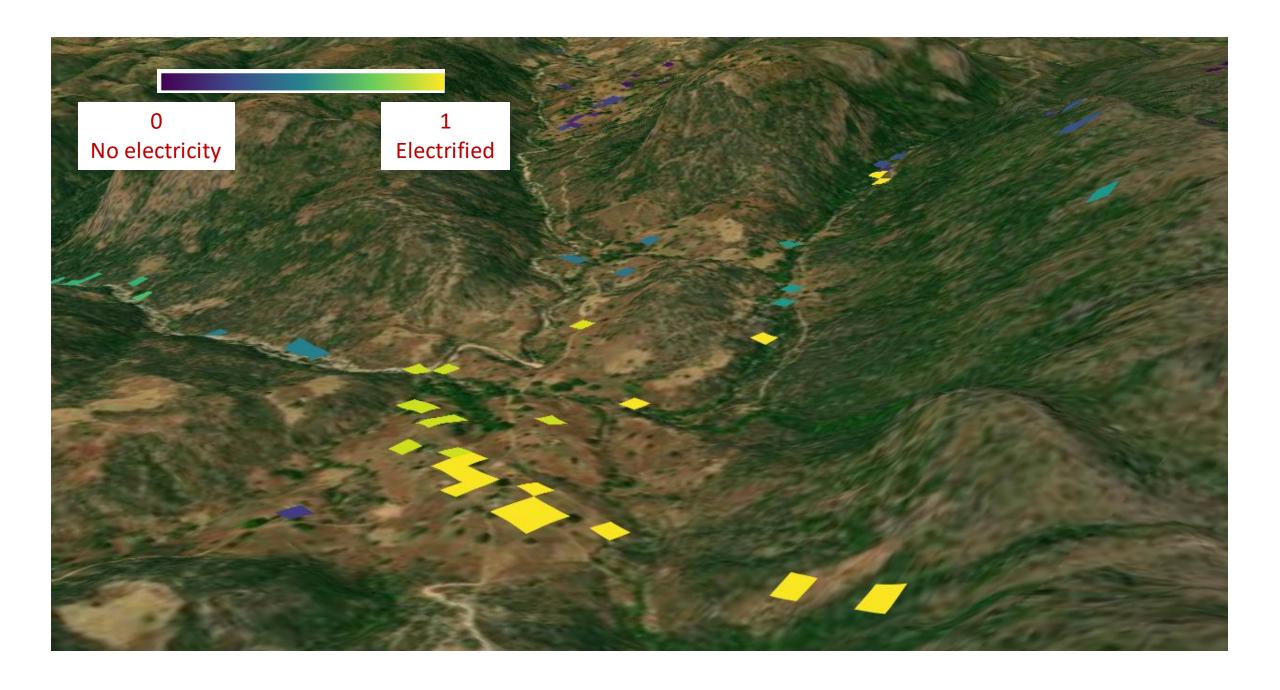
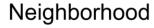
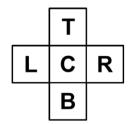
Forecasting HREA (High Resolution Electricity Access) in partnership with IBM

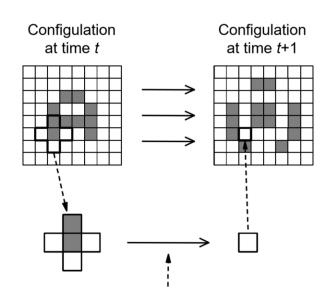


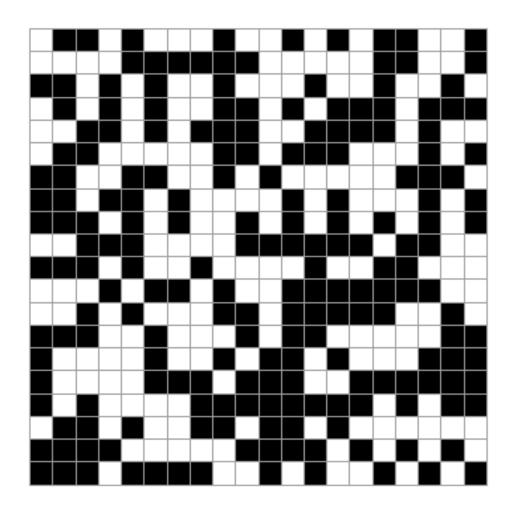
Cellular Automata

Cellular automata (CA) are simple models that can simulate complex processes in both space and time.

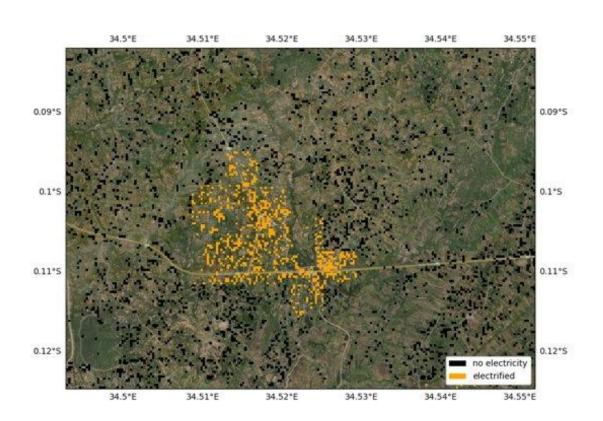


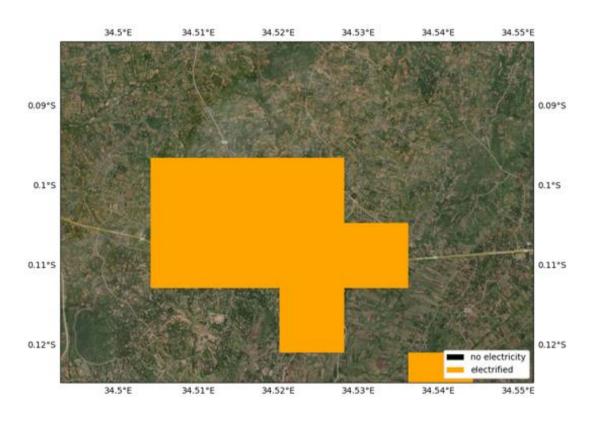


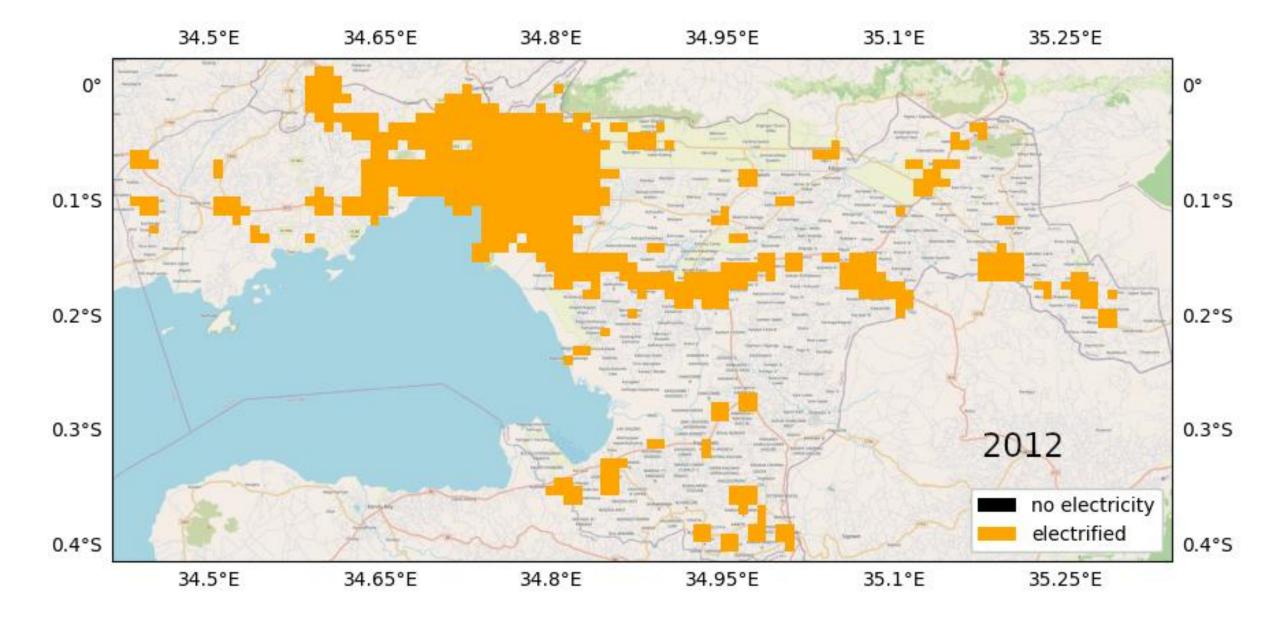




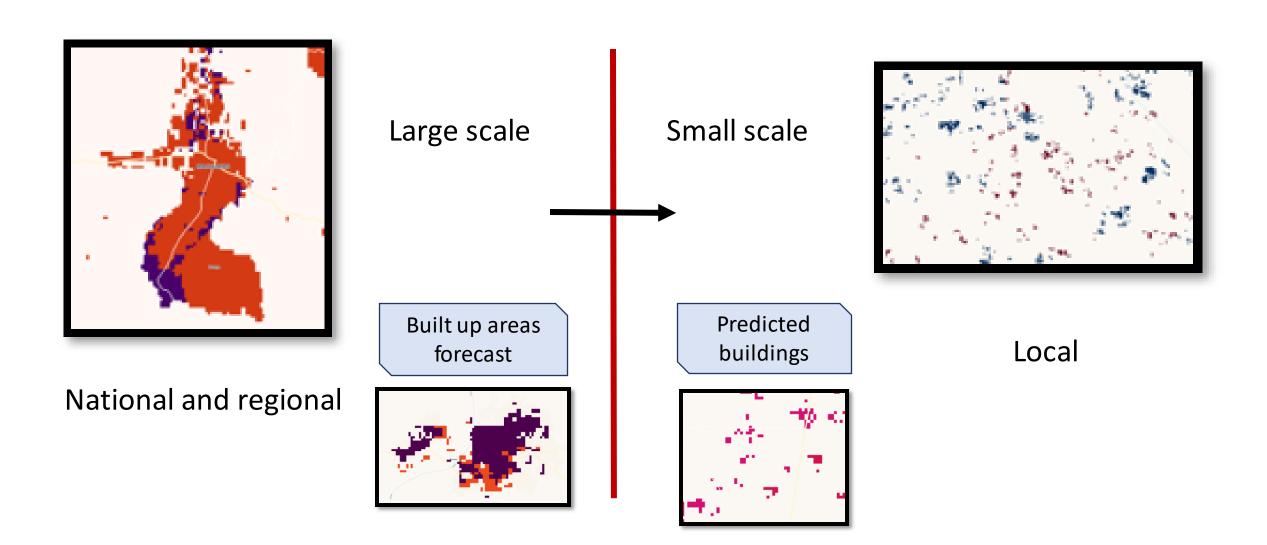
Aggregation







Too complex => 2 levels of prediction



Status



Large scale forecasting

Validation

Testing



Small scale forecasting

Not there yet

Only if more resources are allocated

State

- Garage phase DONE
- Implementation large scale model (60%)
 - UNDP leading
 - Concept
 - architecture,
 - data
 - implementation (limited nowadays)
 - run at scale (97 countries)
 - IBM
 - data
 - implementation
 - testing
 - run at scale (97 countries)
- More resources (skilled people) are necessary