



WORLD  
RESOURCES  
INSTITUTE

# UNDERSTANDING UNDER SEVED MARKETS:

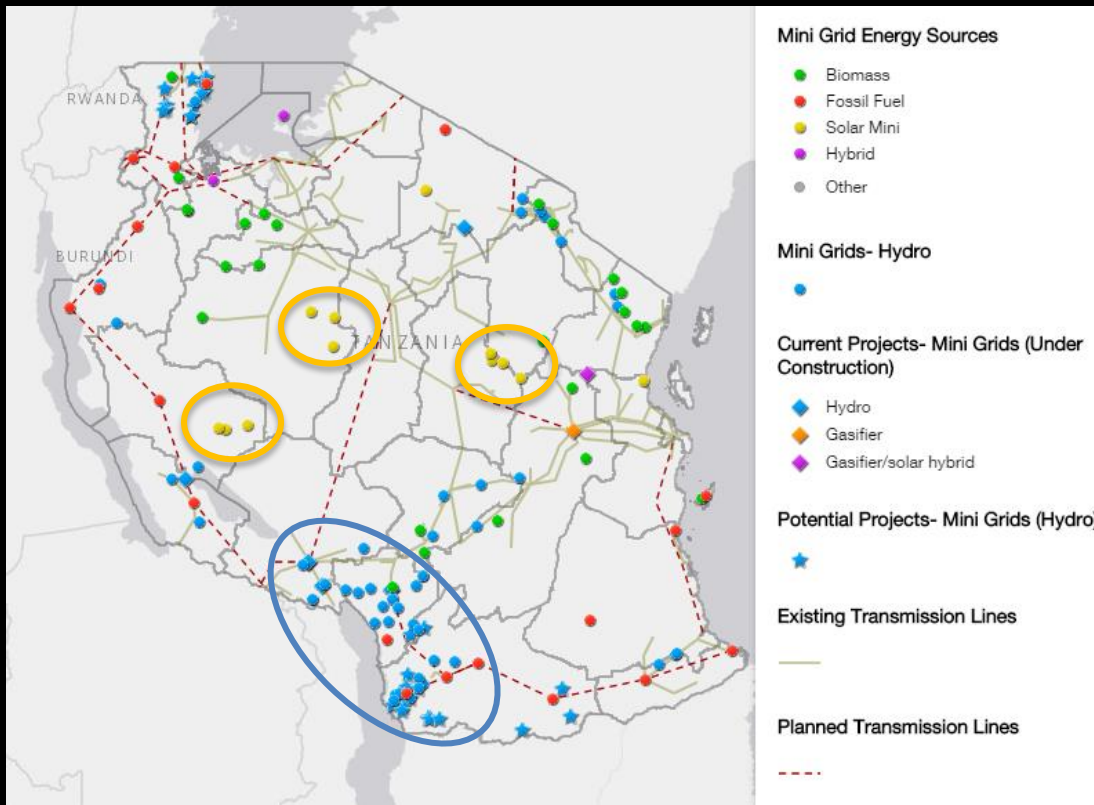
*Tanzania Energy Access Maps*

# METHODOLOGY

- **Data:**
  - **Energy Infrastructure Locations**
    - Transmission Lines
    - Mini-Grids
  - **Demand characteristics (from the Census data)**
    - Connection to Grid (Energy Access Gaps)
    - Livestock Ownership
    - Iron Sheet Roofing
    - Radio Ownership
    - Mobile Phone Ownership (Pay-As-You-Go Viability)
- **GIS Platform**

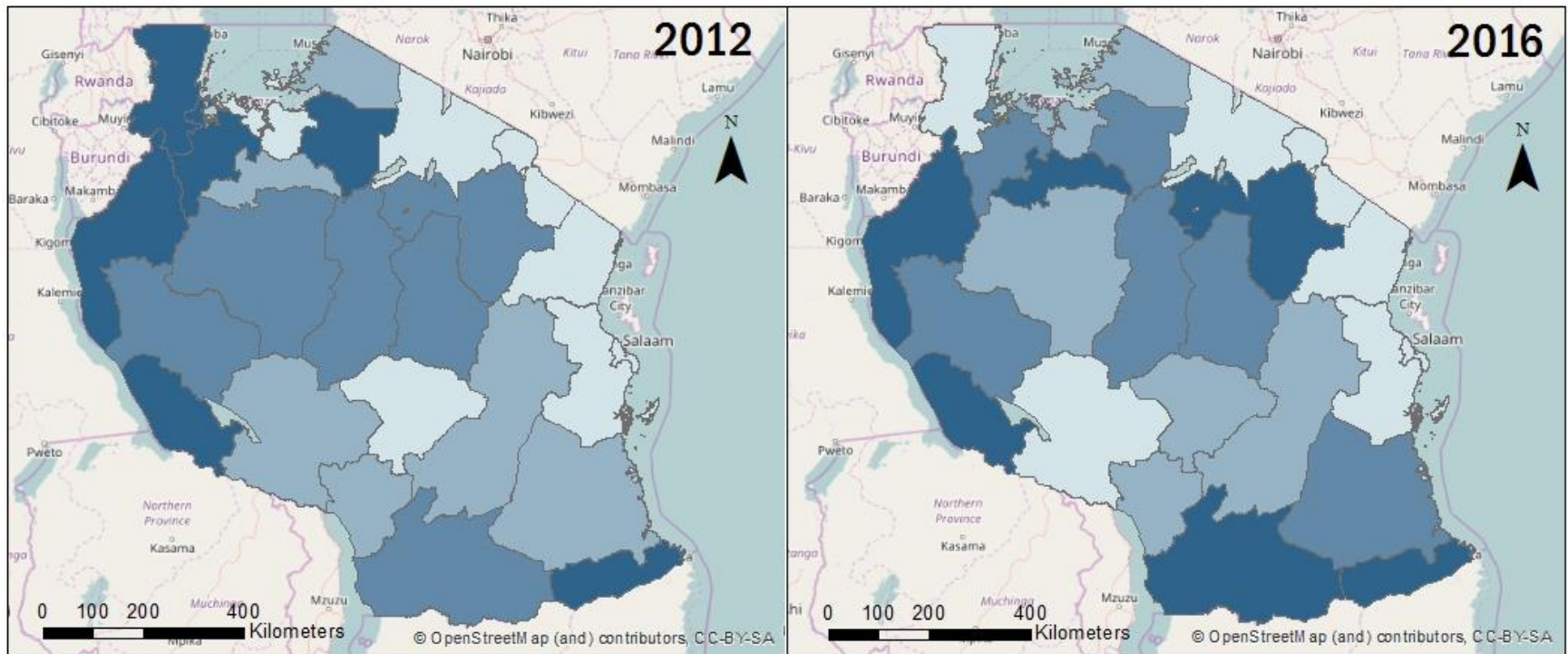
} Socioeconomic Indicators

# MAP 1: MINI-GRID INFRASTRUCTURE



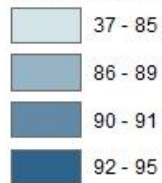
Interactive interface for exploration of existing and proposed mini-grids

# Tanzania Electrification Comparison: 2012 Census and 2016 Energy Access Situation Surveys



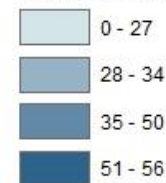
## 2012 Census Results

% Unconnected to Grid

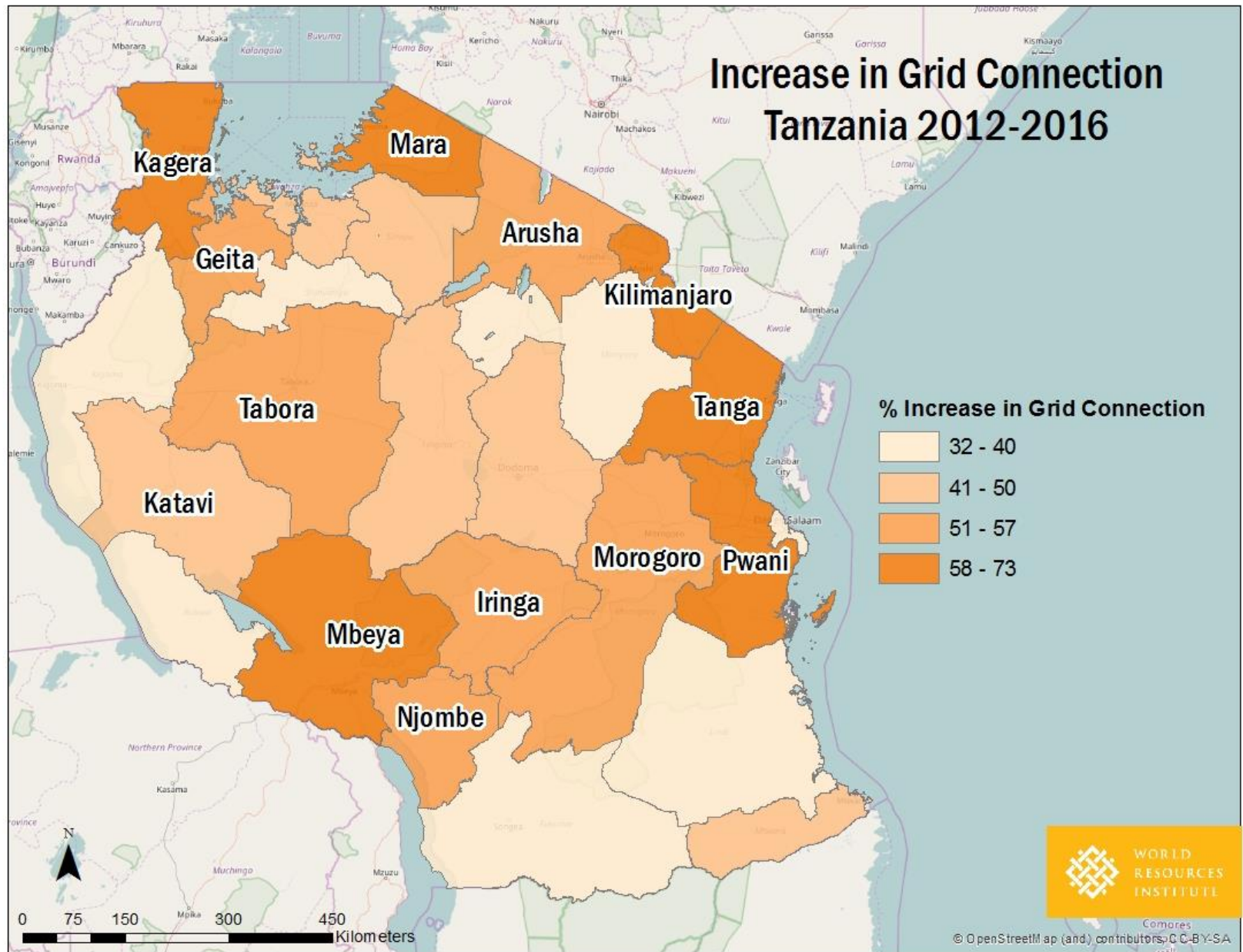


## 2016 Energy Access Survey

% Unconnected to Grid

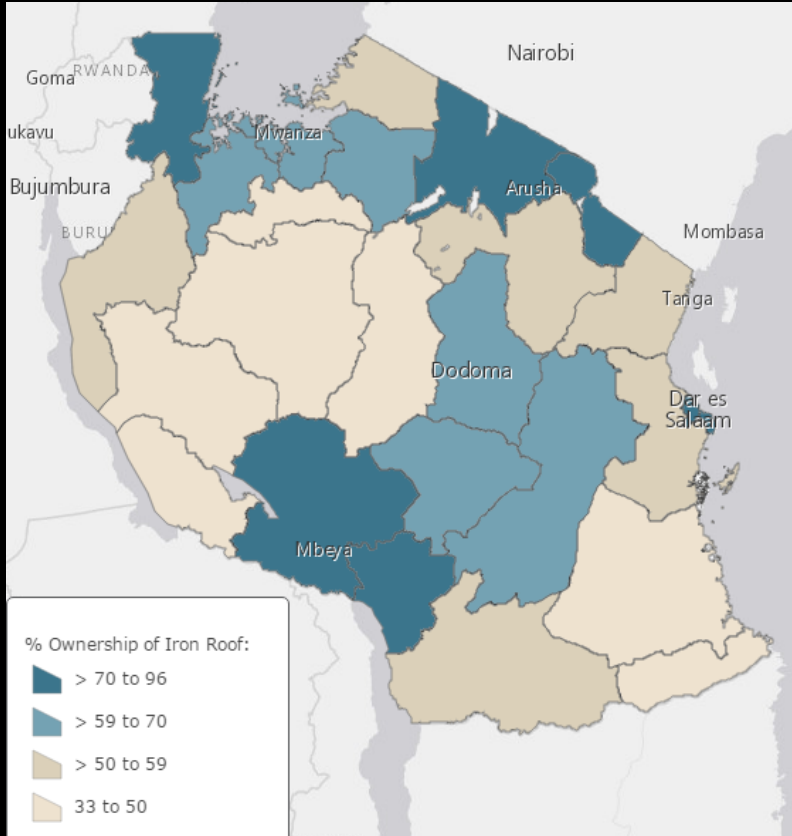


# Increase in Grid Connection Tanzania 2012-2016

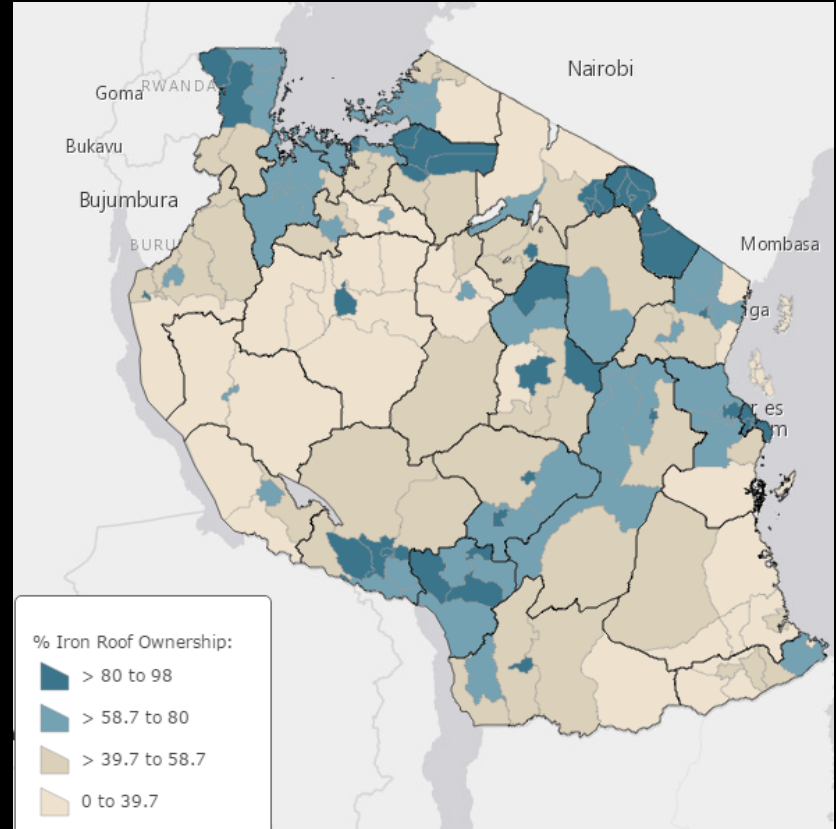


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# MAP 2: SOCIOECONOMIC INDICATORS



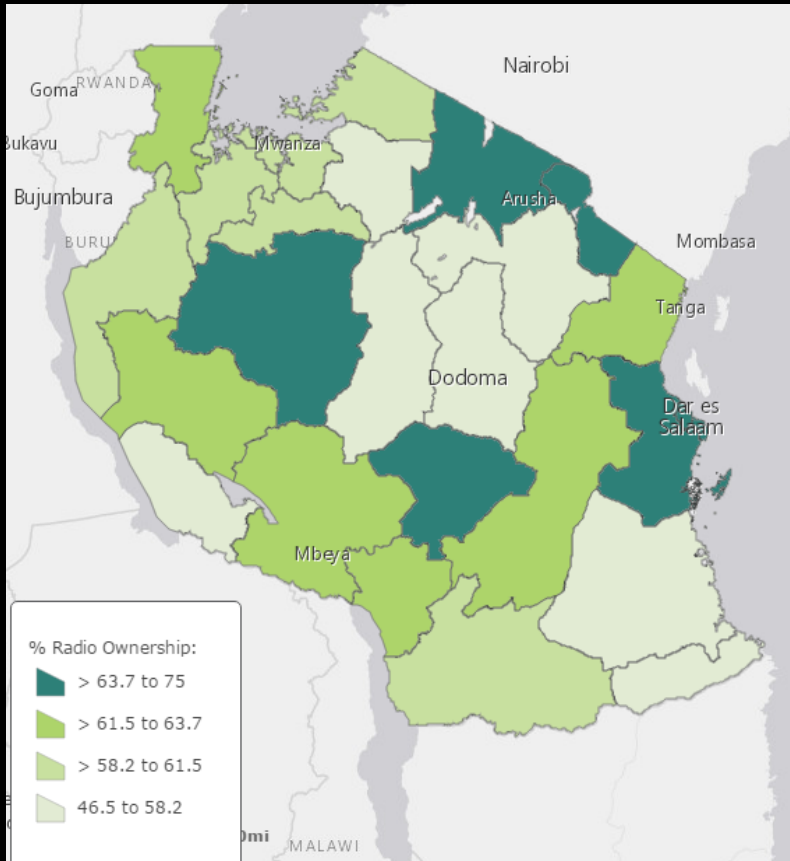
Region



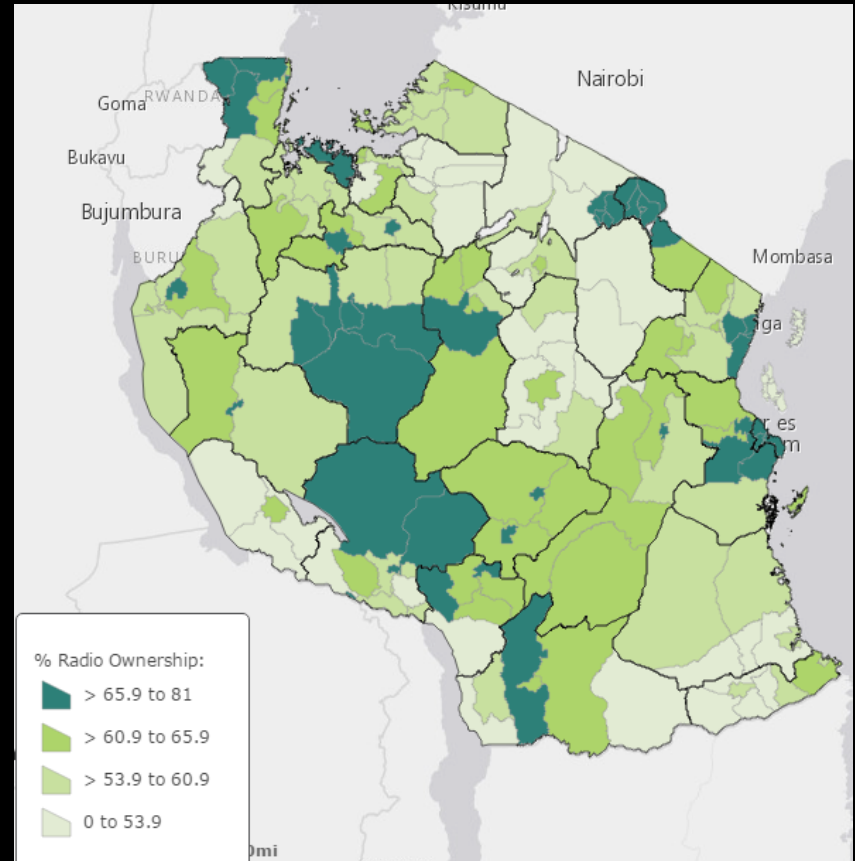
District

## Iron Sheet Roofing ownership

# MAP 2: SOCIOECONOMIC INDICATORS



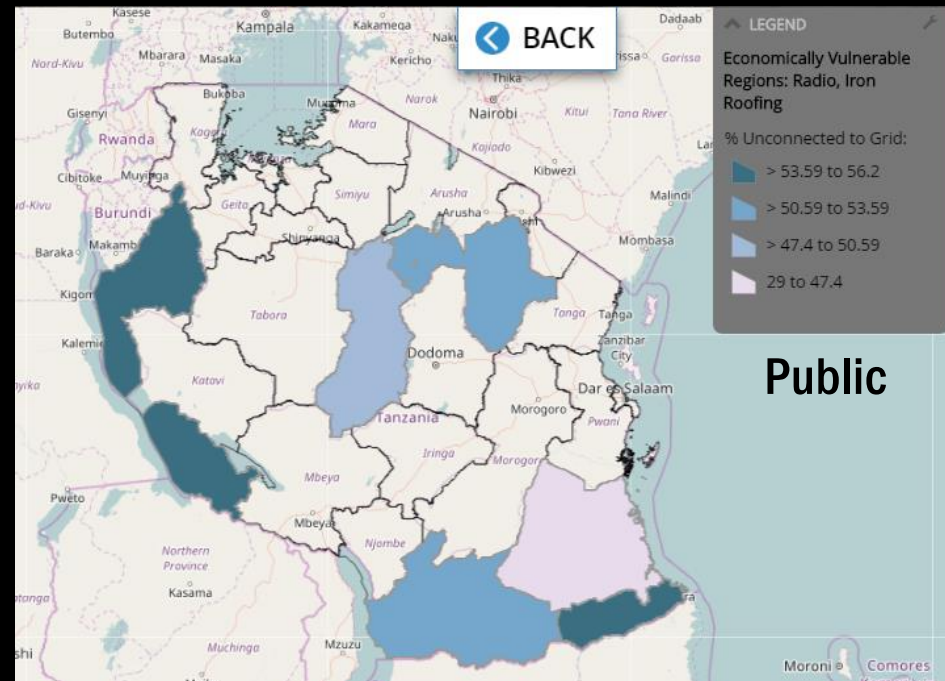
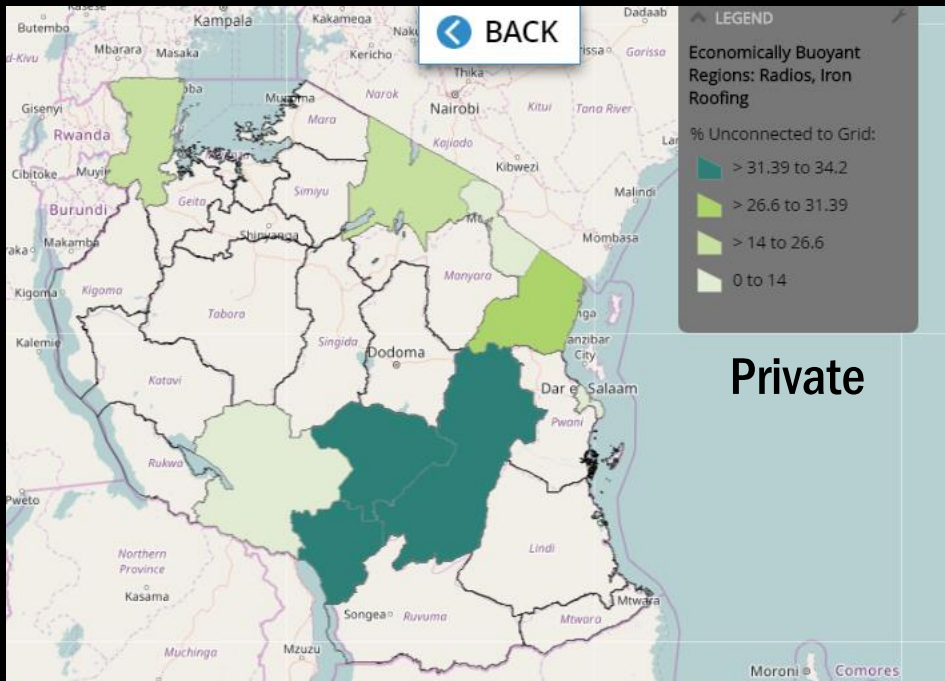
Region



District

Radio Ownership

# MAP 3: REGIONAL ANALYSIS (PRE-DEFINED)



## Top Regions

Morogoro: 155,556

Iringa: 75,063

Njombe: 52,384

## Top Regions

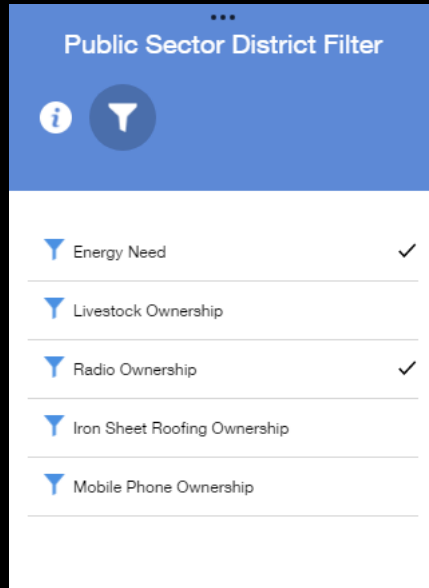
Rukwa: 110,886

Kigoma: 200,001

Mtwara: 181,347



## MAP 4: DISTRICT ANALYSIS (USER DEFINED)



- Public and private market analysis at the district level
- User can apply indicator filters to display qualifying districts
- Accounts for varying investor interests
- [DEMO](#)

**DOES THE PUBLIC PRIVATE  
THINKING MAKE SENSE ?**

**IS THE 2016 DATA AT THE  
DISTRICTS AVAILABLE ? SHOULD  
WE BE ANALYZING THE DATA?**

