

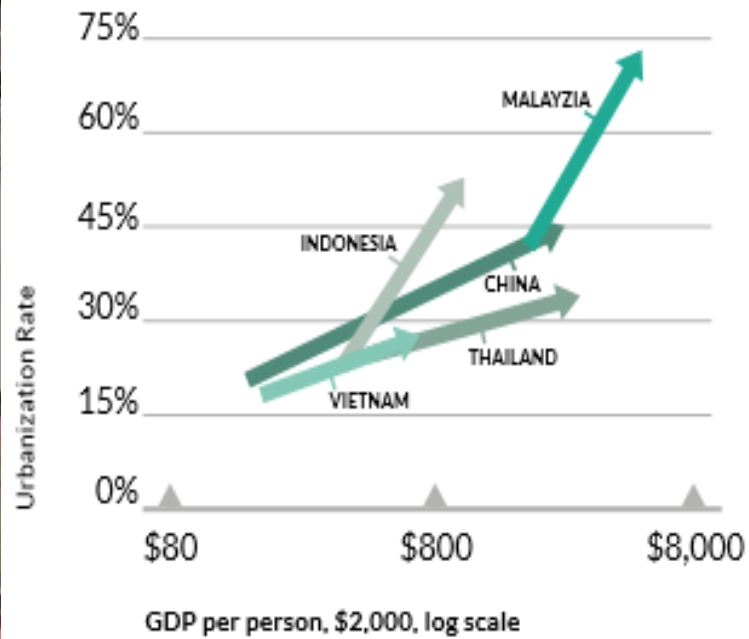
# WEF Nexus Application in Rwanda's Secondary Cities Development



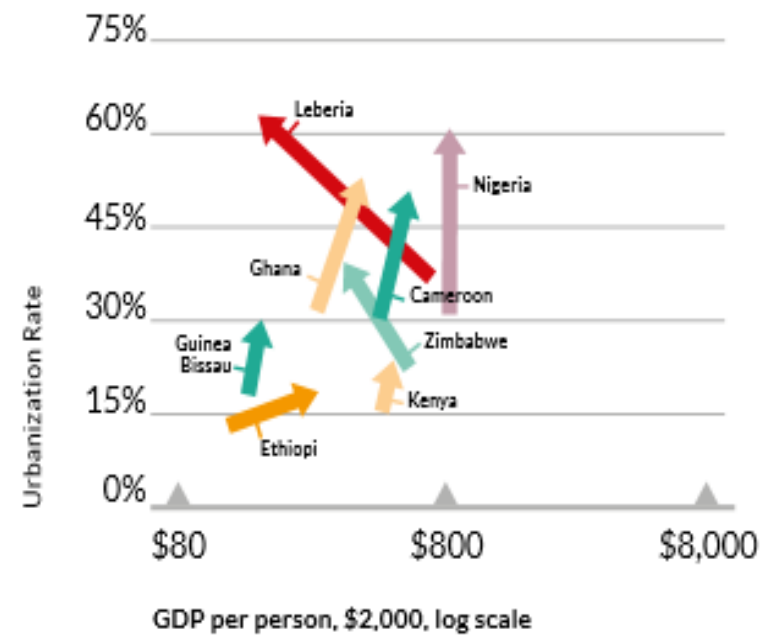
**Engr. Christian Yesashimwe**



### East Asia & Pacific



### Sub Saharan Africa



Source: GGGI

- Urbanization is considered as the main factor which contribute to a rapid economic growth as it happened in many regions.
- However, urbanization can also be a delaying factor of economic growth as witness in some sub-Saharan countries.
- It requires efficient approach to absorb the rate of urbanization and manage properly the resources' growing demand.

# 6 SECONDARY CITIES

Supporting Kigali city

National urbanization target

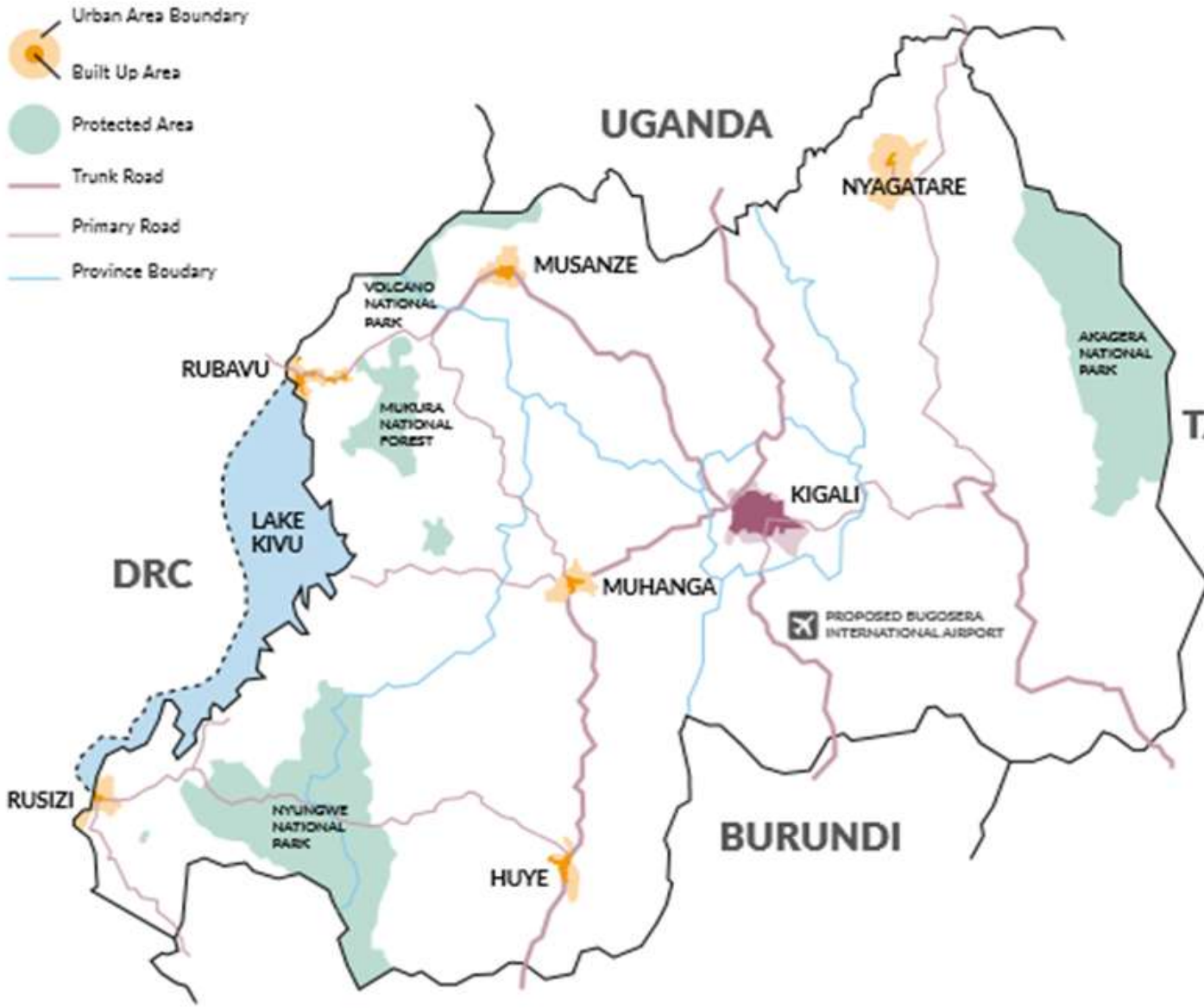
35%

## NATIONAL URBANIZATION POLICY

To support secondary cities development

**Muhanga**  
**Huye**  
**Rusizi**

**Nyagatare**  
**Musanze**  
**Rubavu**



Source: GGI [Rwanda national roadmap for green sec. cities development]

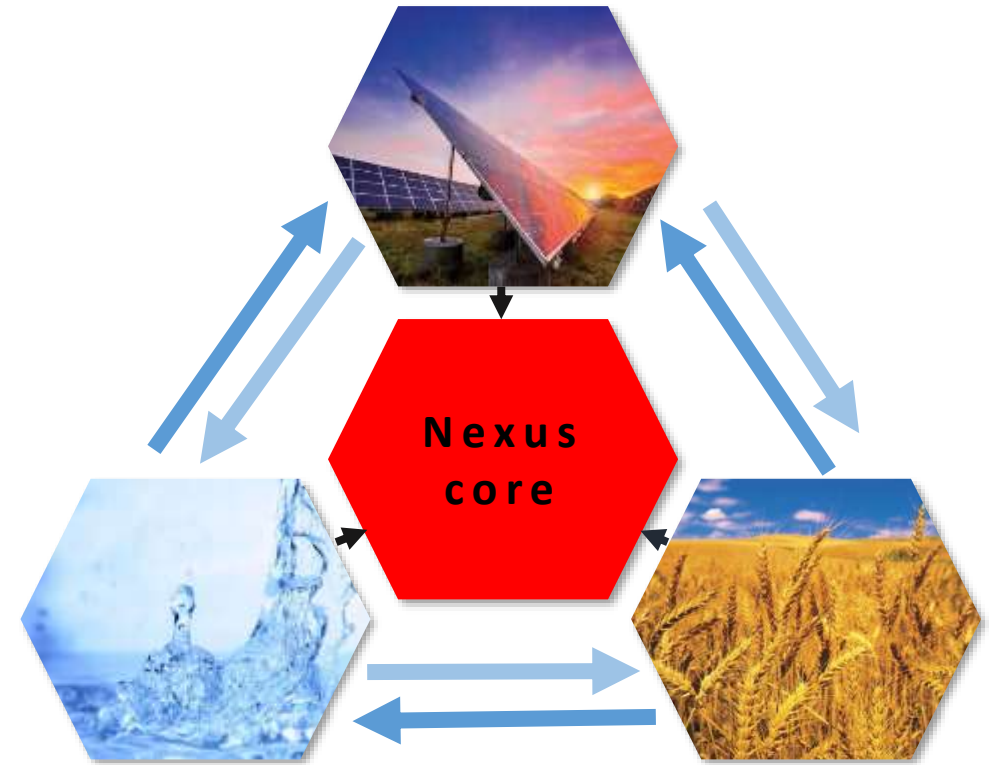
## METHODOLOGY USED

# STATIC COMPARATIVE NEXUS

- One Sector centric (Water centric or Energy centric)
- Compare two points in time; before and after a specific change.
- Results partial analysis

# DYNAMIC NEXUS

- Equally weigh all sectors
- Analyses continuous interaction between:
  - (I) Three nexus sectors
  - (II) The nexus core and the three nexus sectors.
- Results impartial analysis



## NEXUS CORE

- Population and their income
- Ecosystem services & natural resources
- Climate change

## Business landscape Growth

**28%**

## Urban population 2012

**53,608**

## Urban population 2020

**111,901**

# **11 Million USD**

For Muhanga city development

Major development

Industrial park

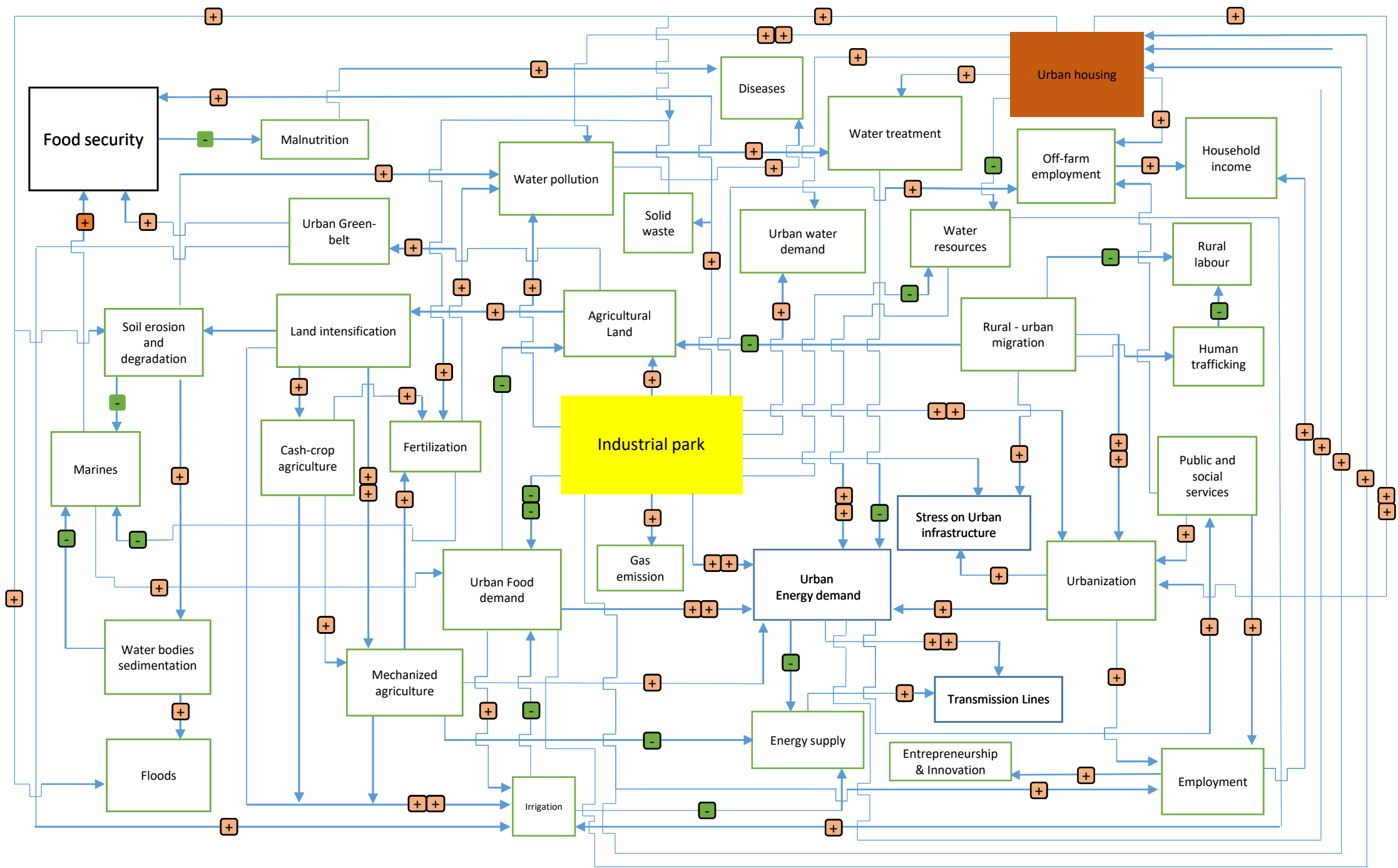
Estates

Road construction

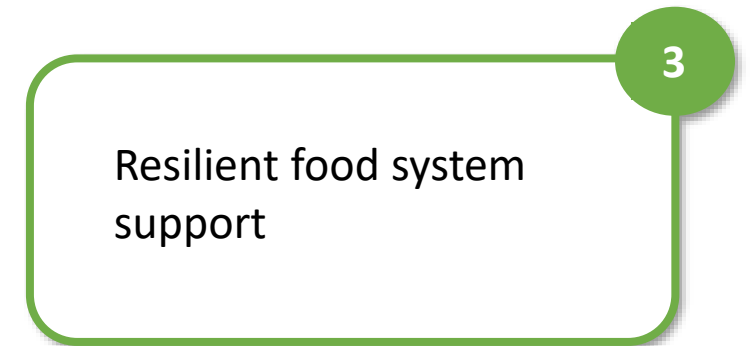
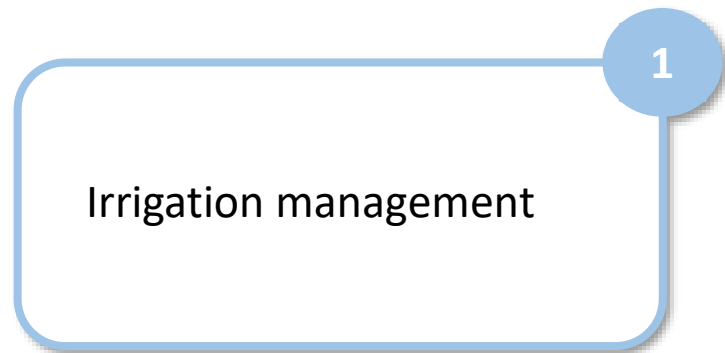
ICT

# **MUHANGA CITY**

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## 3 Acute nodes identified:



**Murakoze!**