



# **"Belt and Road" Cooperation in City Construction Area**

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High-quality Construction  
and Sustainable Cities, Changsha, Hunan province,  
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Cooperans, a public affairs company

Promotion of One Belt One Road (一帶一路)  
initiative in Europe

# Intro: Belt and Road Initiative

Belt and Road Initiative

2013, Xi Jinping

Connecting China to the world



# Intro: Belt and Road Initiative

More cooperation:

- trade
- finance
- development
- education (university alliance)
- housing and construction ?



# Intro: Belt and Road Initiative



Different economic stages, but same  
challenges regarding  
housing and construction

# I- Housing and construction challenges

- China
- EU
- Africa
- Middle-East and South Asia



# I- Housing and construction challenges : China

- Major urbanization shift for the last 30 years
  - 2011: more urbanites than rurals for the first time
  - more than 260 million migrant workers to get house

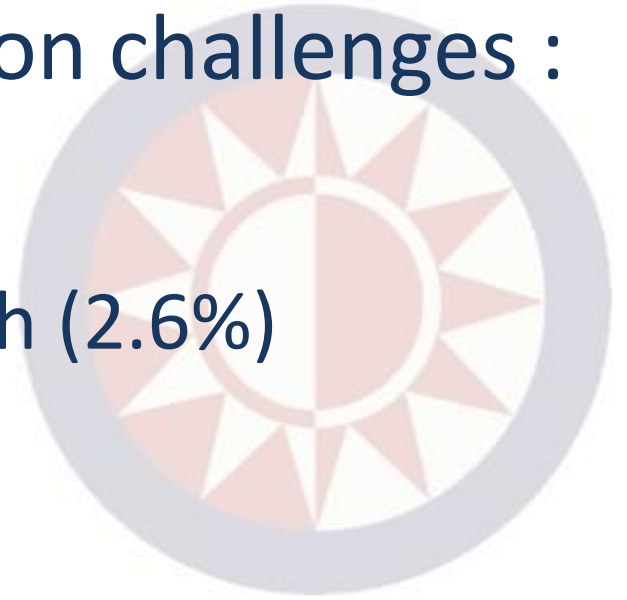
Construction quantity driven



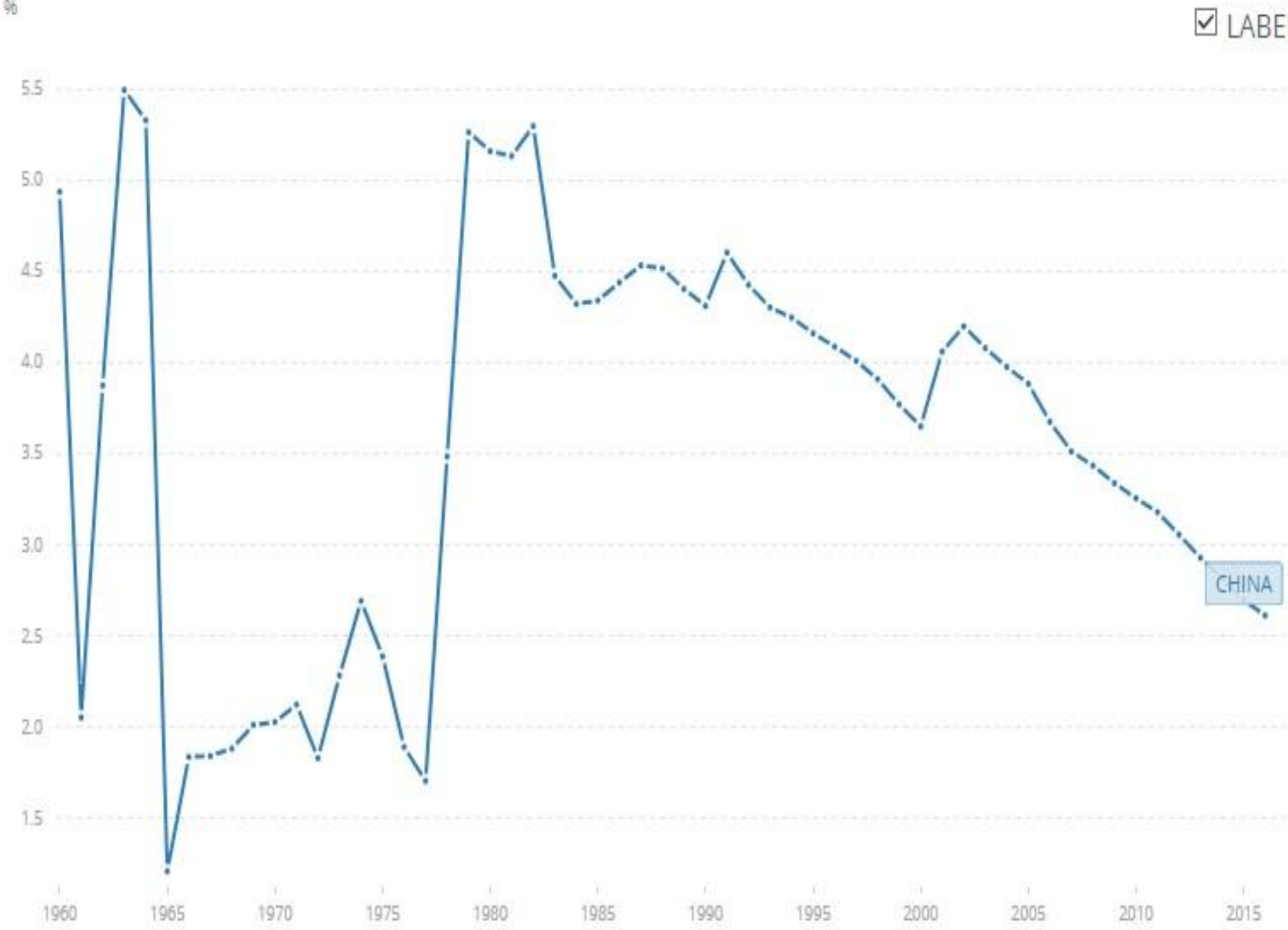
# I- Housing and construction challenges : China

- Deceleration of urban growth (2.6%)
- Higher income

Demand for better quality housing







CHINA

# I- Housing and construction challenges : China

- Environmental concern
  - air pollution killing 1 million people per year
  - tougher regulations adopted by authorities

(Winter 2017, no major construction in Beijing to prevent pollution- dust-)

## Demand for greener housing



# I- Housing and construction challenges : Europe

- High urban rate
- Demand for higher quality housing
- Demand for more energy efficient construction



# I- Housing and construction challenges : Europe

## Germany

- Strong demand on the housing market  
Until 2020: at least 350,000 new dwellings per year
- Energiewende : plan to reduce energy consumption  
subtask: make housing more energy efficient: from passive to active
- Objective for 2050: 80% reduction of energy consumption of housing stock since 2014



# I- Housing and construction challenges : Europe

## France

- Objective for 2025: 25% of public housing (2016: 19%)
- Objective for 2020: 38% reduction of energy consumption in the construction sector since 2013
- 2040: 5 billion euros to make housing more energy efficient



# I- Housing and construction challenges : Europe

## Netherlands

- Local govts to boost social housing  
(Amsterdam: 40% of new homes to be rent-controlled)
- Promotion low carbon housing  
Amsterdam: 2020: new housing to be energy-neutral



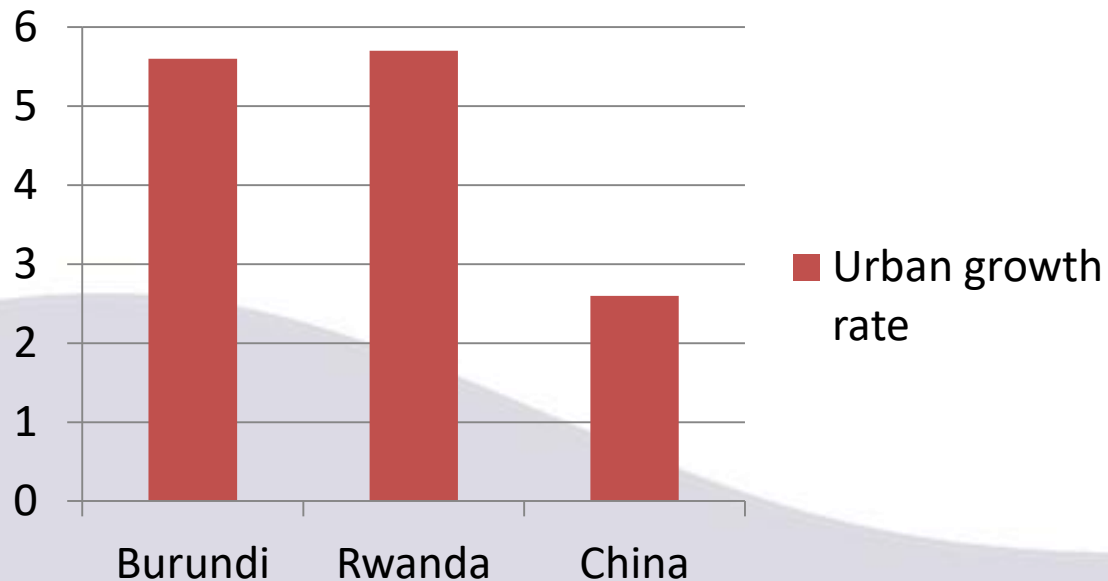
# I- Housing and construction challenges : Africa

Focus on housing stocks

- Fastest urbanizing continent



Urban growth rate



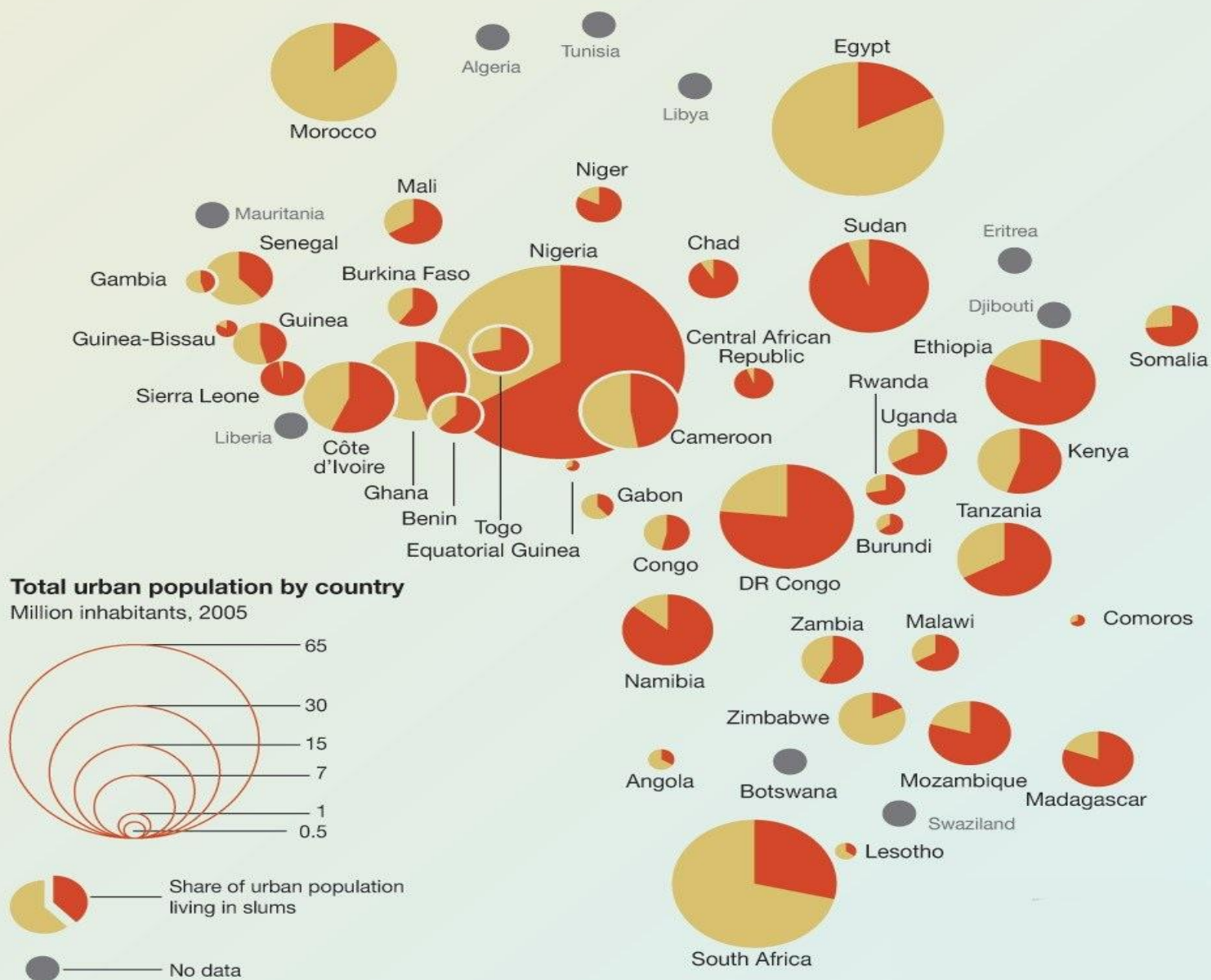
# I- Housing and construction challenges : Africa

- Slum issue
  - urbanites living in slums
  - Chad 88%, Mozambique 80%



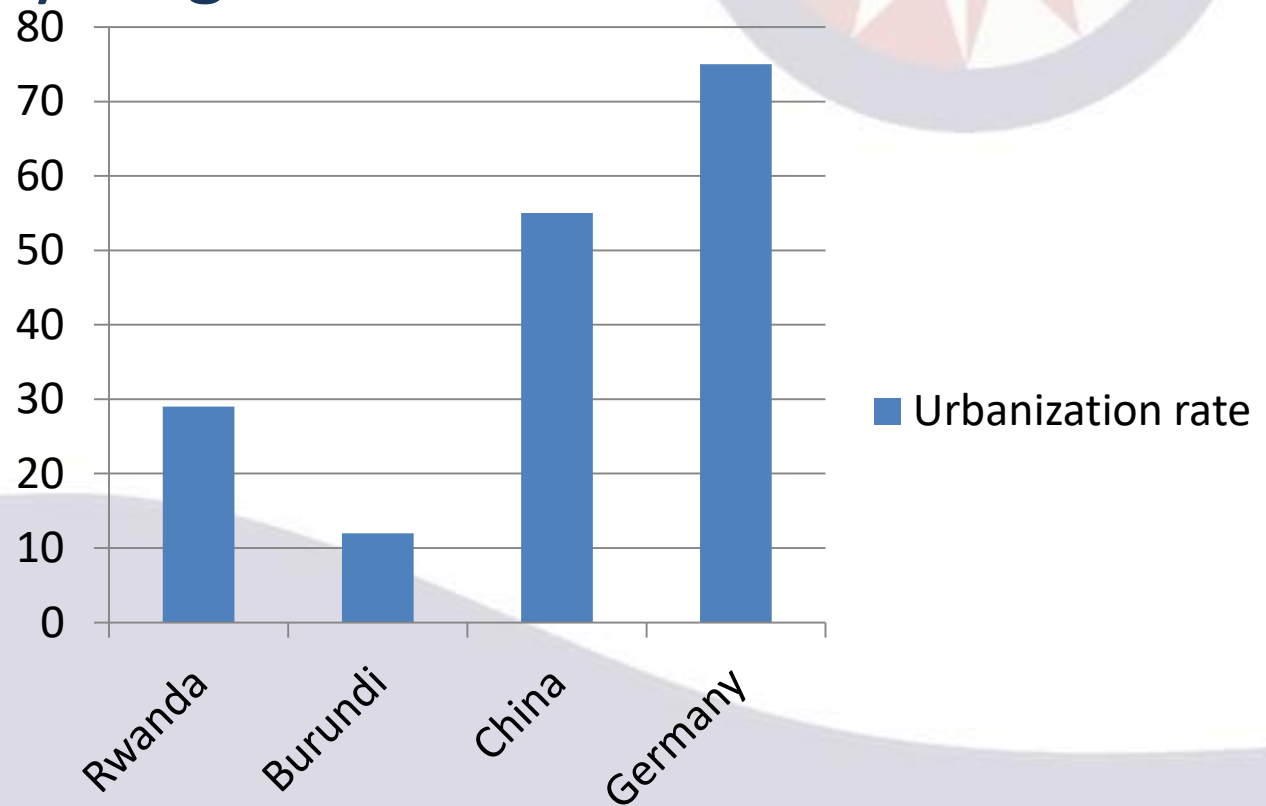


# Slum population in urban Africa



# I- Housing and construction challenges : Africa

- At the early stage of urbanization



# I- Housing and construction challenges : Middle East and South Asia

Both quantity and quality issue

- slums issue in Pakistan and Bangladesh
- Worst air pollution cities
  - not Chinese, but Indian, Iranian, Pakistani, Saudi cities
  - Zabol, Gwalior, Allahabad, Riyadh ...



# II- Future possible cooperation

## EU-China case

- EU- China and urbanization
- EU-China innovations



# II- Future possible cooperation

## EU-China case

### EU- China and urbanization

- EU-China partnership on urbanization (2011)  
to answer economic, social, environmental challenges of urbanisation
- EU-China research and coordination programmes on sustainable urbanization  
Horizon 2020 (UrbaChina, Urban-EU-China...)



# II- Future possible cooperation

## EU-China case

### EU- China innovations

Towards more innovation

- Germany: Industry 4.0 (2011)
- France: Future Industry (2015)
- China: Made in China 2025 (2015)

Competition or complementarities ?



# II- Future possible cooperation

## EU-China case

### EU- China innovations

prefabricated and high quality building : a theme for EU China cooperation to answer BTI housing challenges

- easier to enforce norms and control outputs
- easier to include latest technological progress (technological transfers)



# II- Future possible cooperation

## EU-China case

### EU- China innovations

Make inclusiveness a priority

-Cooperation:

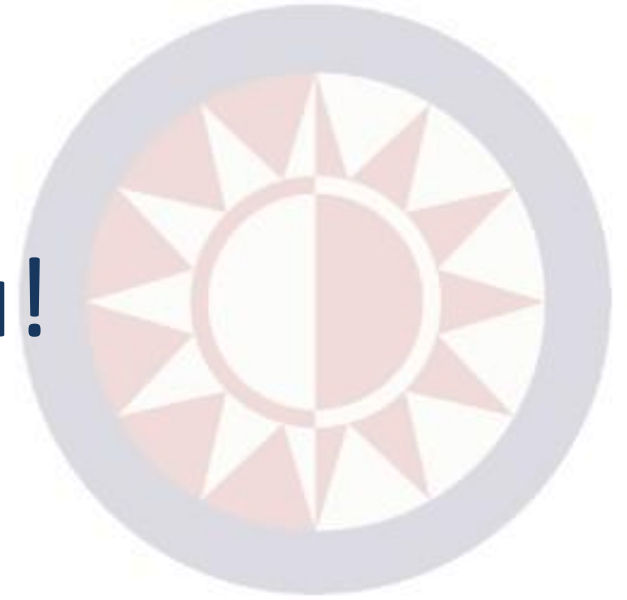
Housing issues shared by every country (developed and developing countries)

-large network of stakeholders  
companies-authorities-inhabitants





Thank you!



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