

Surveying the world of tomorrow –

Helsinki Finland 29 May - 2 June 2017

From digitalisation to augmented reality

# 1.Background information of this new-round land institutional reform---a basic concept of land Administration

#### Land use category

- 1.Agriculture use land
- 2.Built-up land
- 3. Unused land

#### Land ownership

Rural collectiveowned land

**Urban State-owned land** 





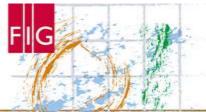












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## 1.Background information of this new-round land institutional reform---Rural land tenure system

Private owned Houses

Schools, roads Village based SME Land for homesteads

Land for Public utilities

Agricultural used land

(Crop, forestry , Pastureland)

Rural collective ownership

Household contracted rights of agricultural used land (collective members)

Operation rights (Outsiders)





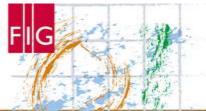












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## 1.Background information of this new-round land institutional reform---Urban land tenure system

Private ownership

Public agencies local governments

Individual Apartments houses

Land for Public utilities

**Use rights** 

Residential land 70yesrs Industrial land 50years Commercial land 40years

state ownership

Primary land market
Local government to land users



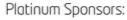
Secondary land market
Land users to land users





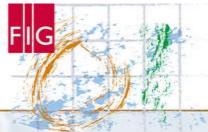












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#### Rural

Land for homesteads

Land for Public utilities

Agricultural used land

(Crop, forestry, Pastureland)

Rural collective ownership

#### **Urban**

Individual Apartments houses

Land for Public utilities

**Use rights** 

Residential land 70yesrs Industrial land 50years Commercial land 40years

state ownership

**Land Expropriation** 



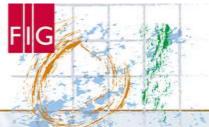












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## 2.Why -land institutional reform now? New social and economic development status

- 1. Poverty alleviation—700 million
- 2.GDP\$8000 per capita in the year 2016





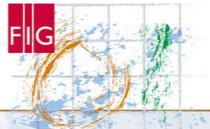












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## 2.Why -land institutional reform now? New social and economic development status

- 1. "new normal" --slow down the economy, optimization of economic structure, the growth from investment-driven to innovation-driven
- 2. "new type urbanization" (balanced urban and rural, equivalent public services and common prosperity)"
- 3. the eco-environment conservation as 'building-up ecological civilization'





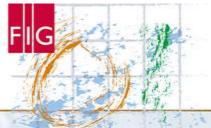












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## 2.Why -land institutional reform now? New social and economic development status

1. Declining rural population

2. Vacant villages

3. Land fragmentation





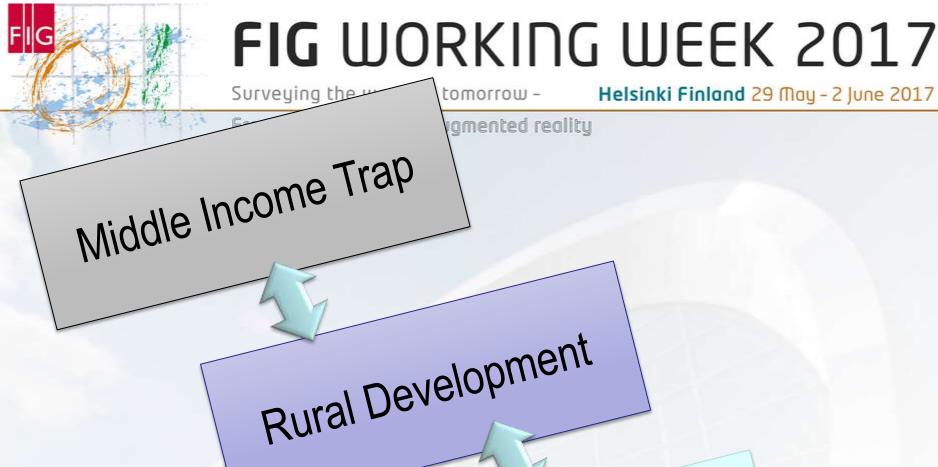












Rural land institutional reform





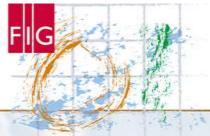












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#### Rural land institutional reform

- 1. The institution --important factor affecting economic efficiency.
- 2. the approach of "top-level design" and "bottom-up innovation"
- to start with a pilot at the beginning and then expand to the whole country.
- 4. The trial projects in 33 counties 2015-2017





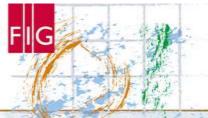












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How to do?

#### 1. Rural land title Registration

**Private** owned Houses

Schools, roads Village based SME

Land for homesteads

> Land for **Public** utilities

**Agricultural** used land

(Crop, forestry, Pastureland)

Rural collective ownership

Household contracted rights of agricultural used land (collective members)

**Operation rights** (Outsiders)





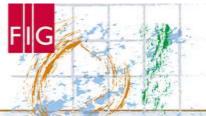












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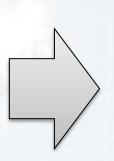
#### How to do? igitalisation to augmented reality

#### 2. Land Expropriation

- 1.the regulated and transparent procedure
- 2. the appropriate compensation system
- 3. Diversified supporting system for landless farmers' livelihood.

#### Rural

Rural collective ownership



#### Urban

state ownership

#### **Land Expropriation**



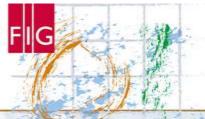












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How to do?

#### 3. Rural land market—for built-up land

1. the equal rights and price with urban

Private 2 Ithe St

owned 3

Houses

Schools, roads Village based SME the safe transactions and the safe transactions the safe transactions are the safe transactions

Land for Public utilities

Rural collective ownership

Household contracted rights of agricultural used land

Outside developers





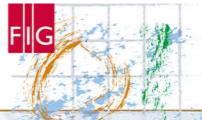












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How to do?

#### 4. Land for homesteads

Private owned Houses

Schools, roads Village based SME Land for homesteads

Land for Public utilities

Rural colle ownership

- 1.Equal and transparent access to acquire homestead land
- 2. Intensive and efficient use of land
- 3. Hand over homestead land voluntarily





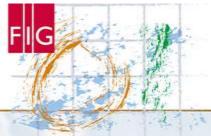












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#### **Discussion**

- Hand over of homesteads
- ---Social welfare system
- Health care
- Pension
- Housing

- 2. Justification for land expropriation
- ---added value sharing (urbanization and industrialization) ---guarantee a sustained life for farmers

- 3. Roadmap of agriculture modernization
- ----farmers'
  cooperatives vs. big
  agro-business
  companies





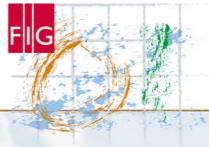












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## Thanks for your attention!

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