### Designing for a

Resistant Resilient

Regenerative Nagasaki

01	Context

02 Research Intent

**03** Proposed Framework

**04** Recommendations

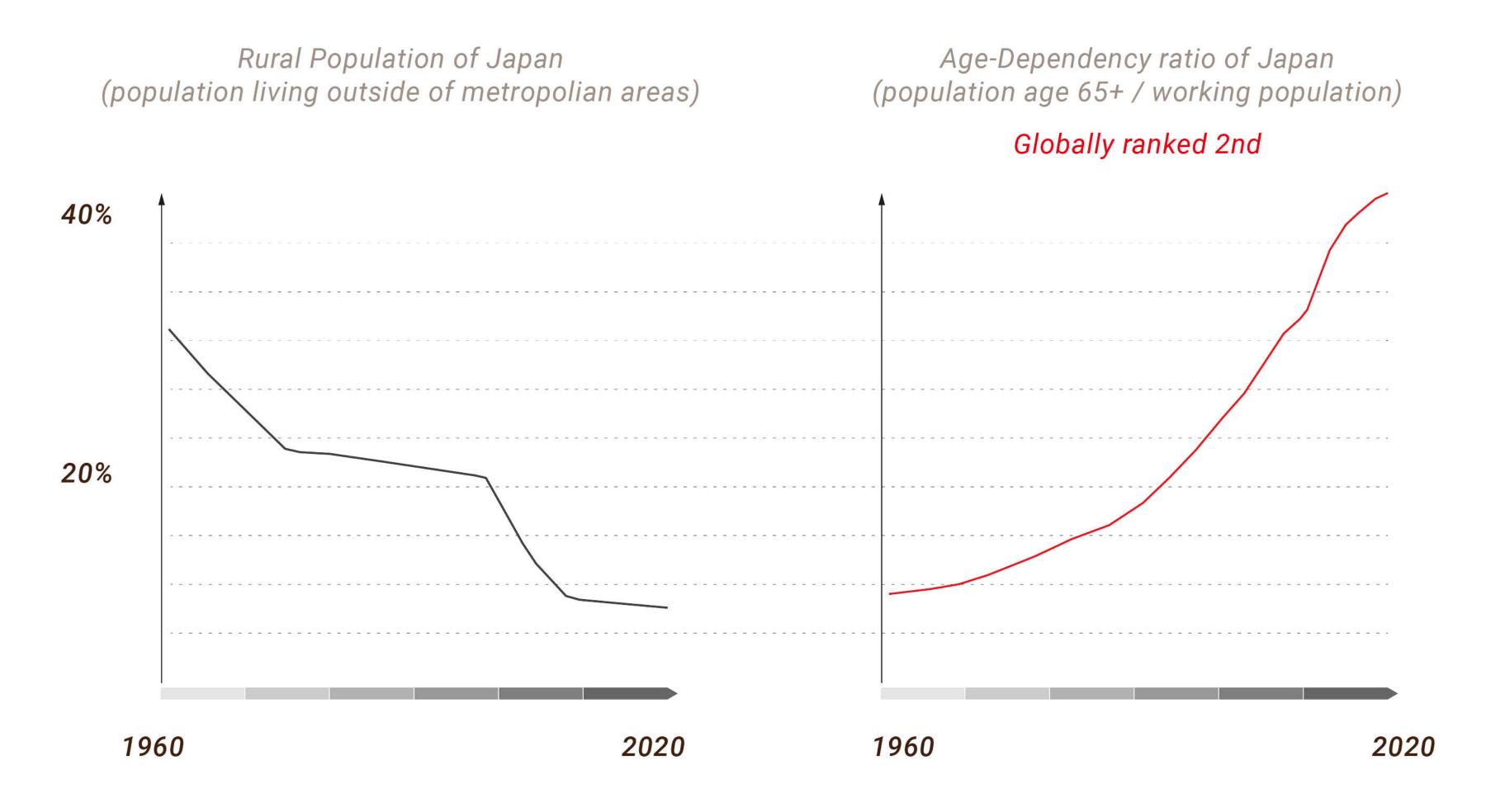
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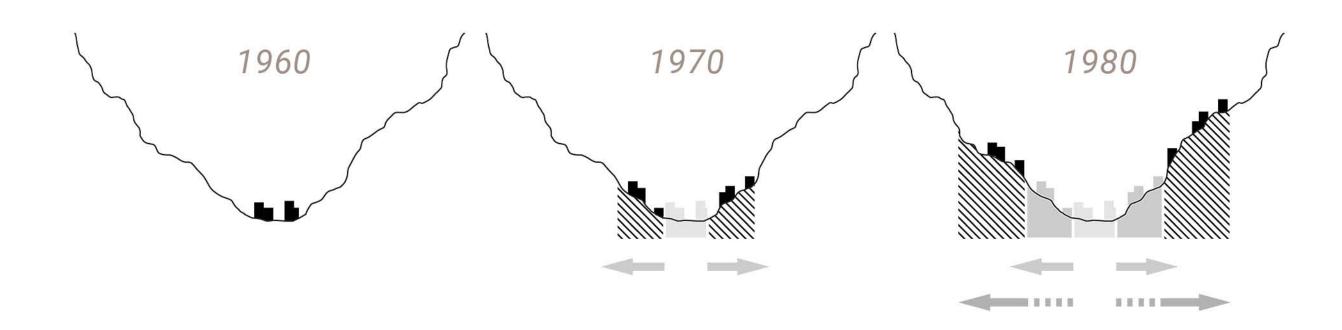
Research Intent

Proposed Framework

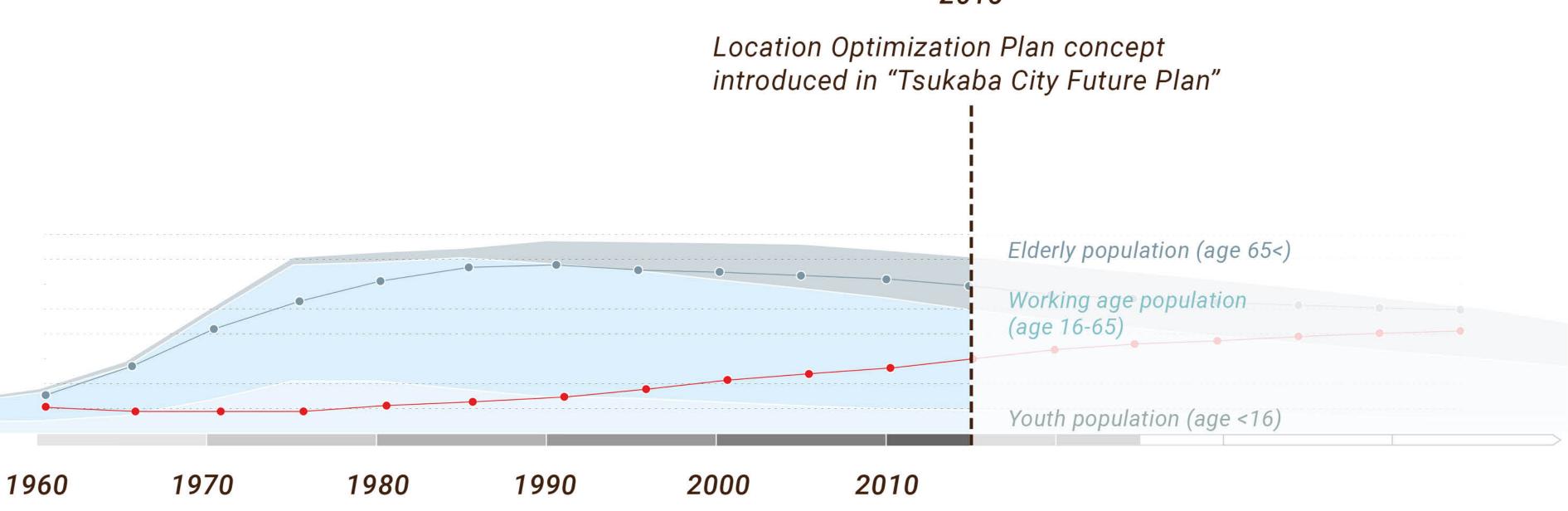
# Shrinking Japan



# Nagasaki's Development Timeline + Population trends



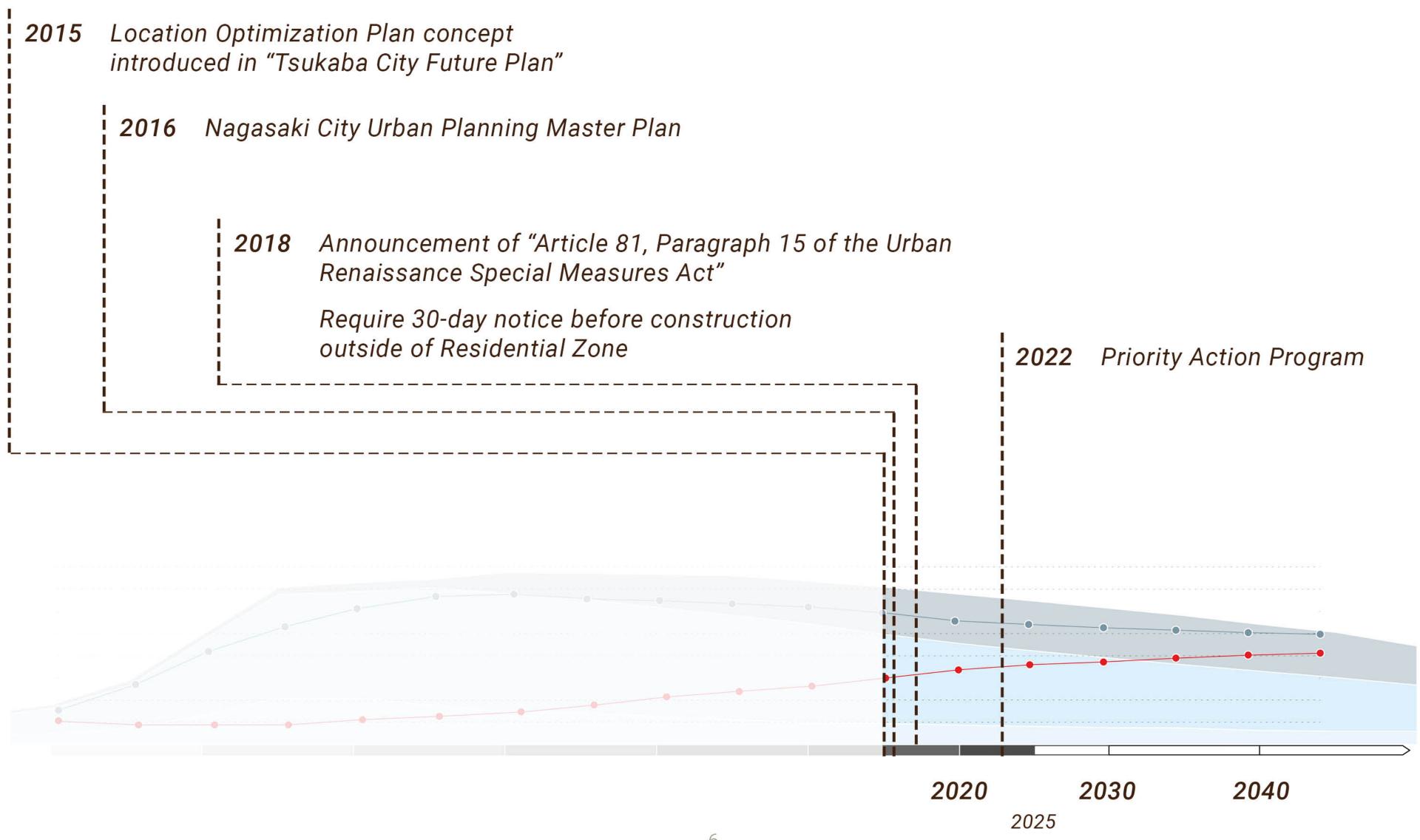
2015



(Working age population ratio)

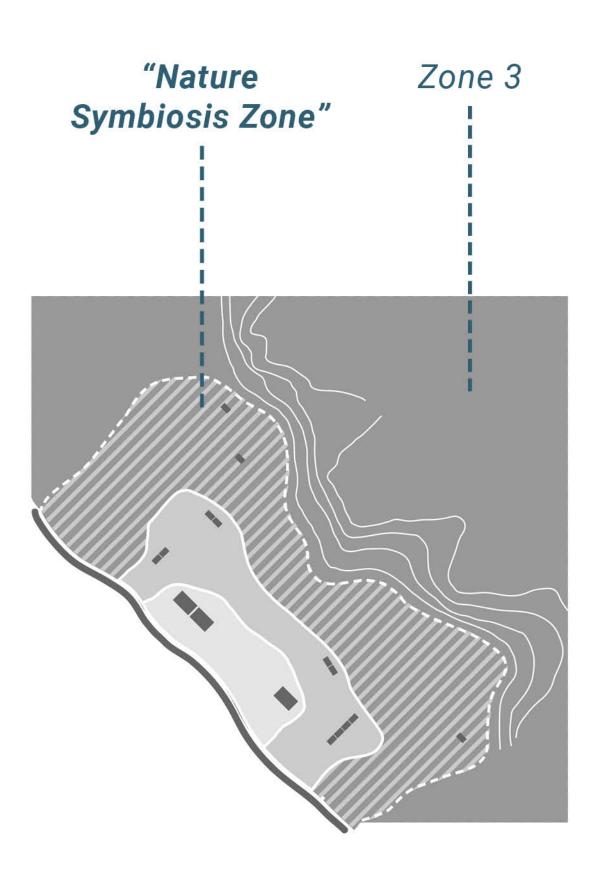
(Rate of aging)

# Nagasaki's Development Timeline + Population trends



### Location Optimization Plan

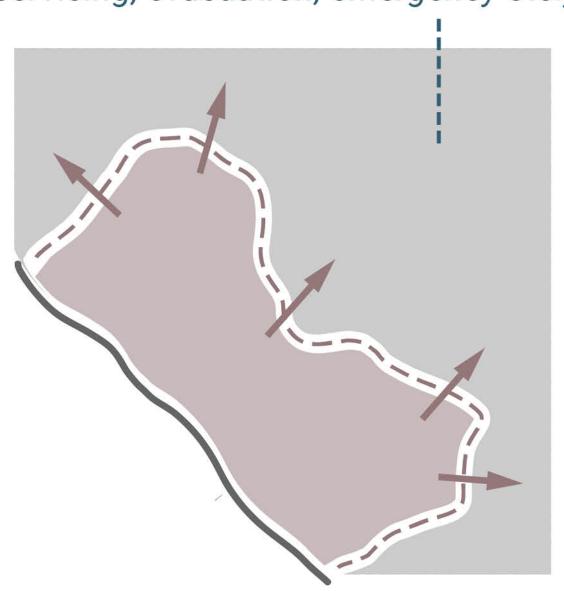
Location Optimization Plan ("LOP")



Economic Growth to support a shrinking economy / city / population

### High Risk Zone

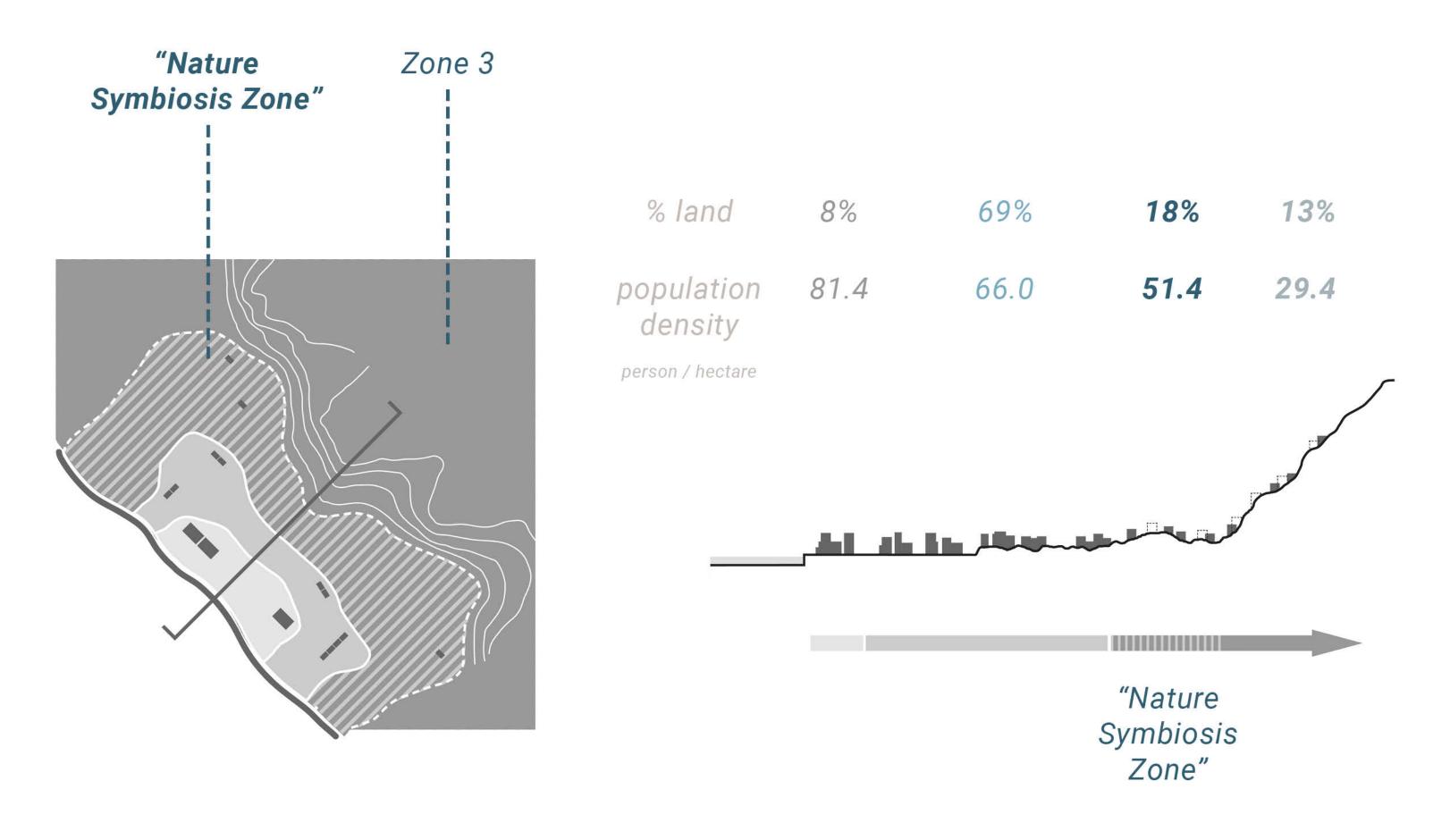
Aging Infrastructure
(Retaining walls, geotechnical support etc.)
Outdated roads
(servicing, evacuation, emergency etc.)



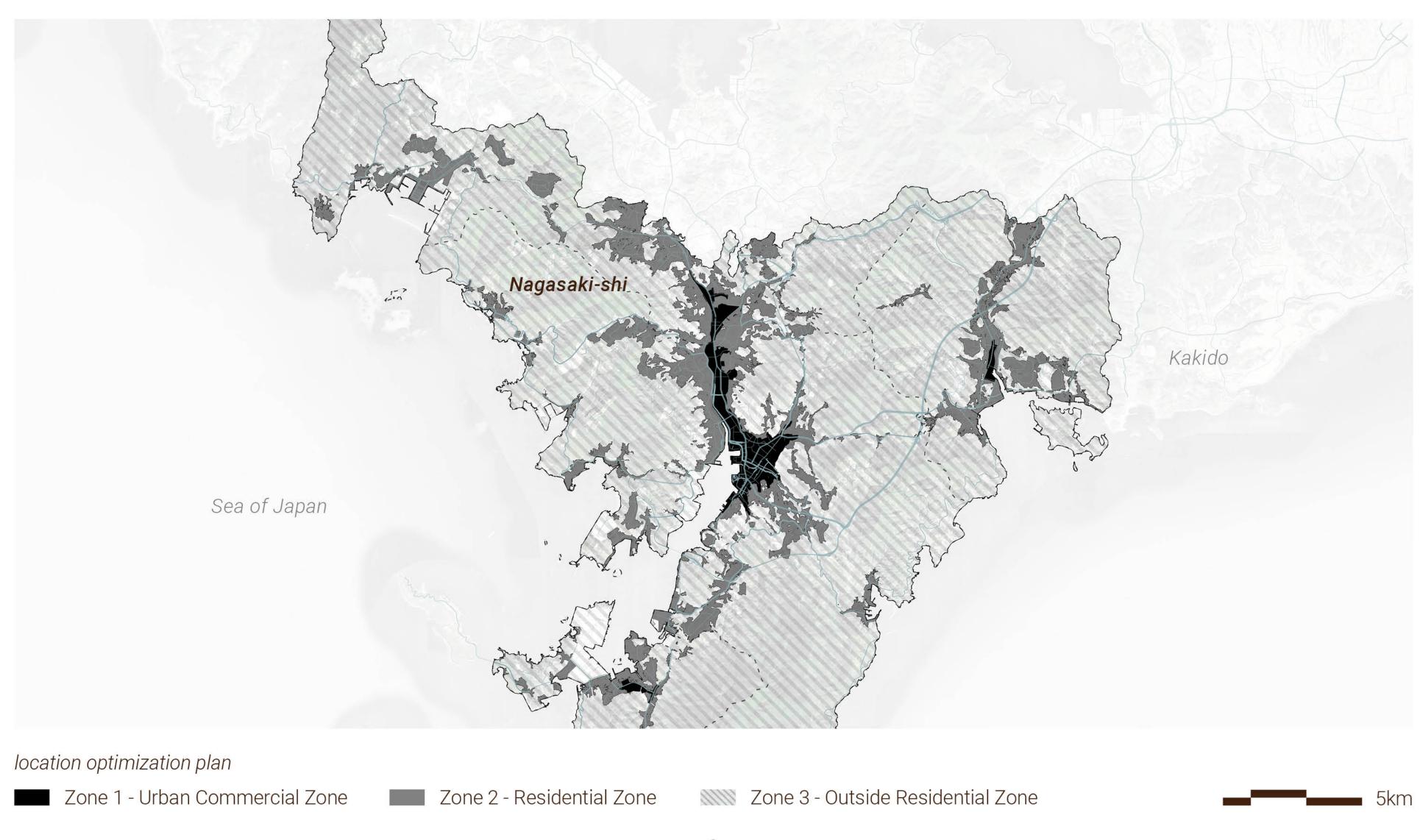
# Urban Sprawl + Nature Symbiosis Zone

Location Optimization Plan ("LOP")

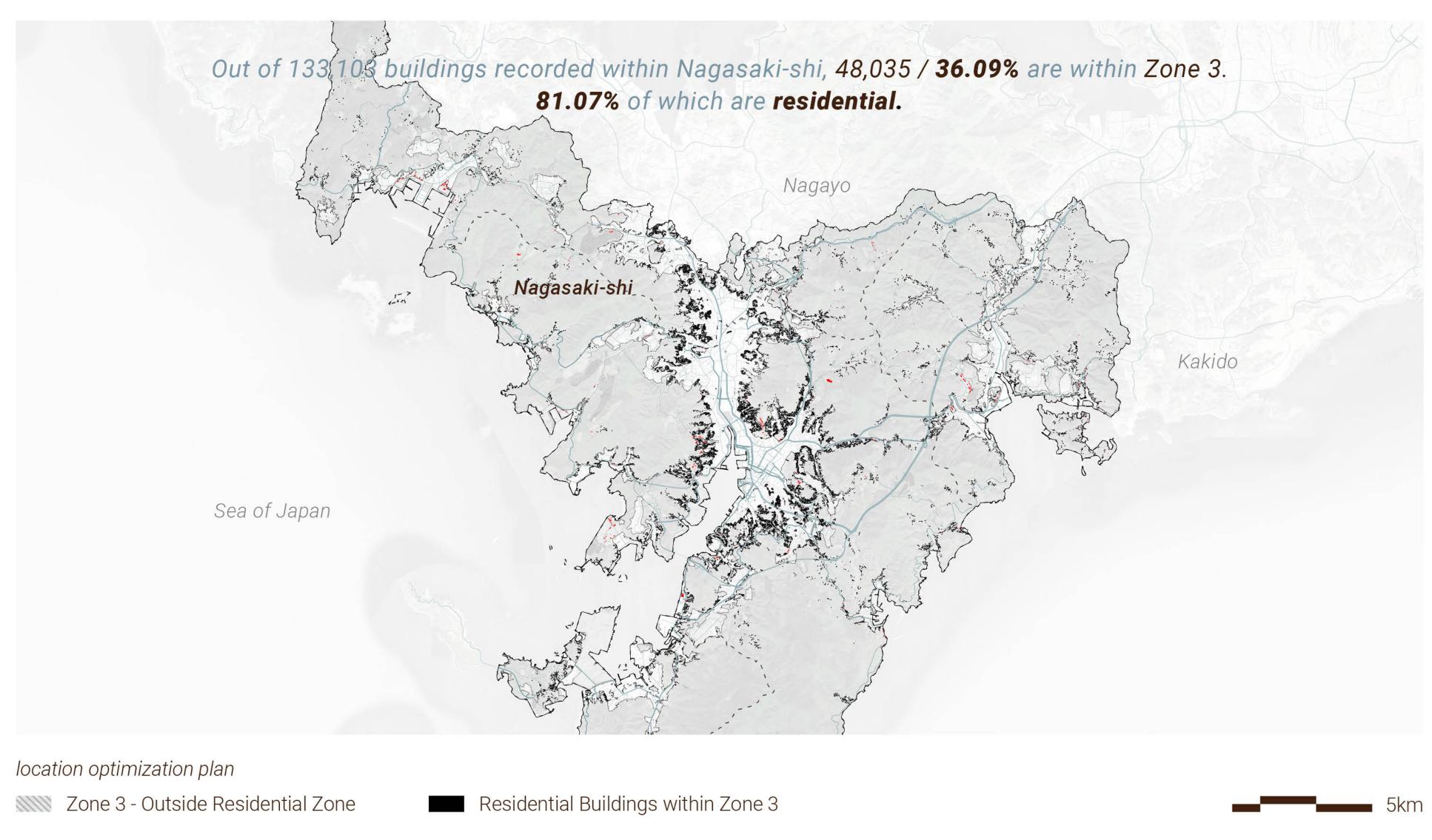
Section - Nagasaki's Population distribution



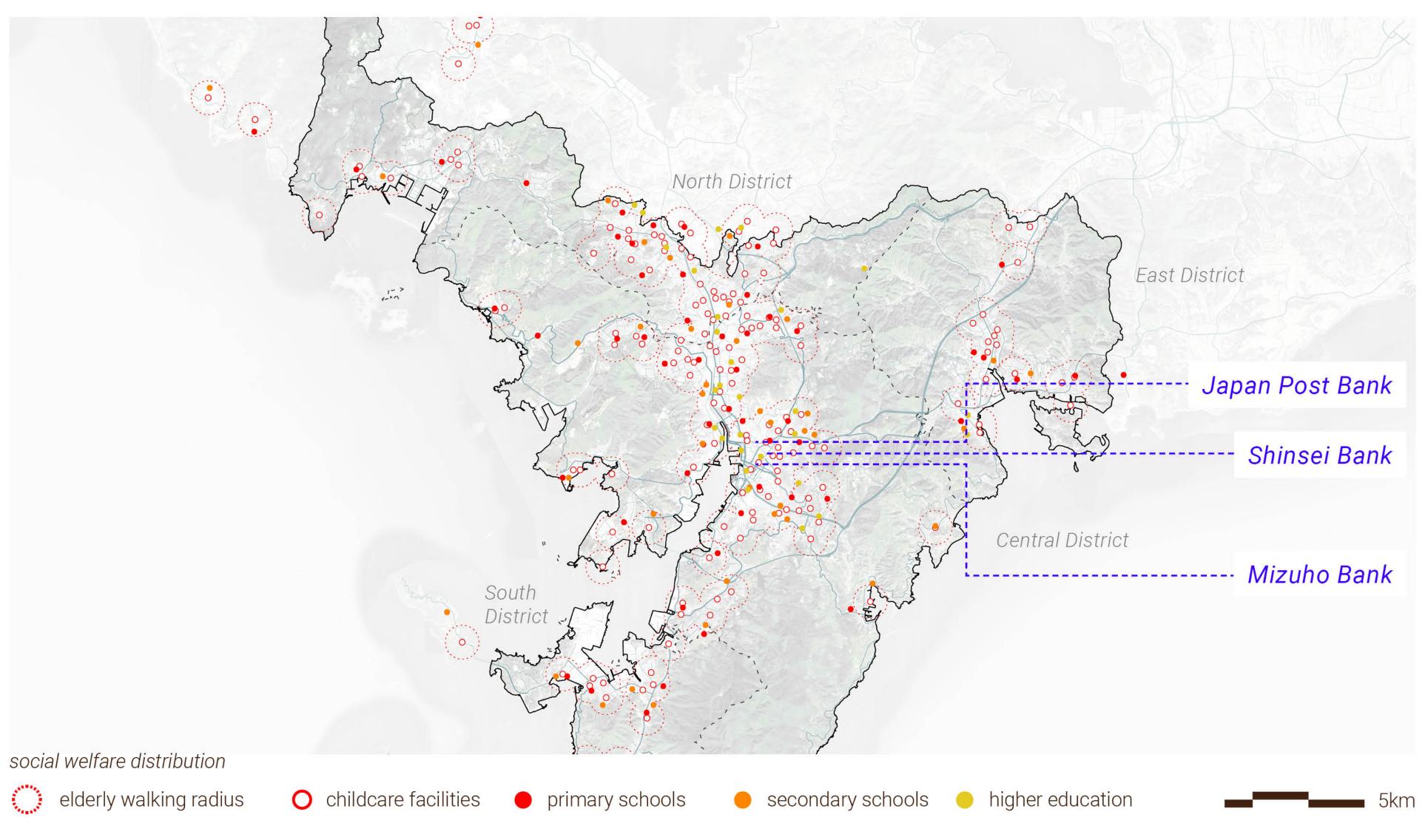
# Urban Sprawl + Nature Symbiosis Zone



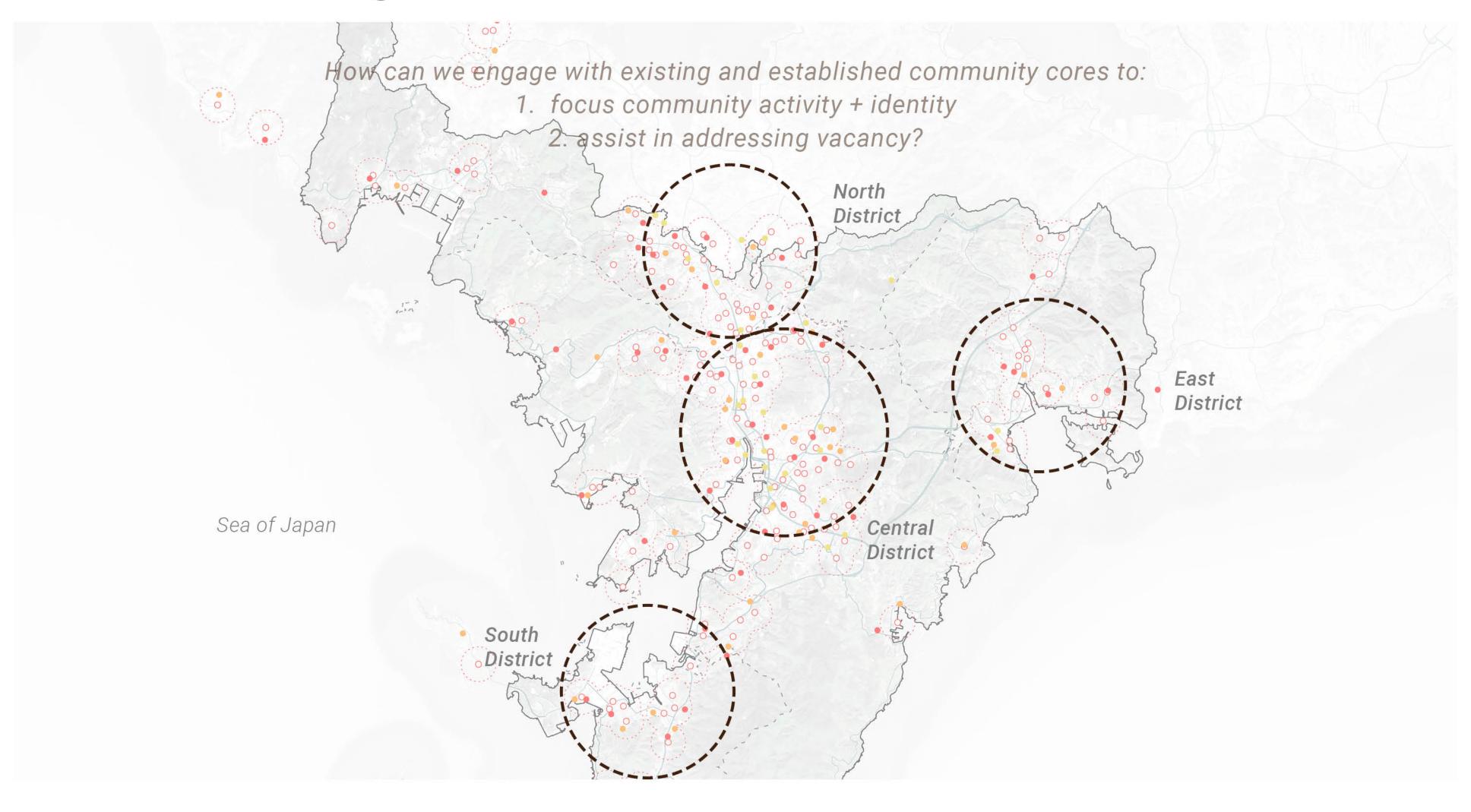
## Urban Sprawl + Nature Symbiosis Zone



# Nagasaki's Social Welfare Distribution

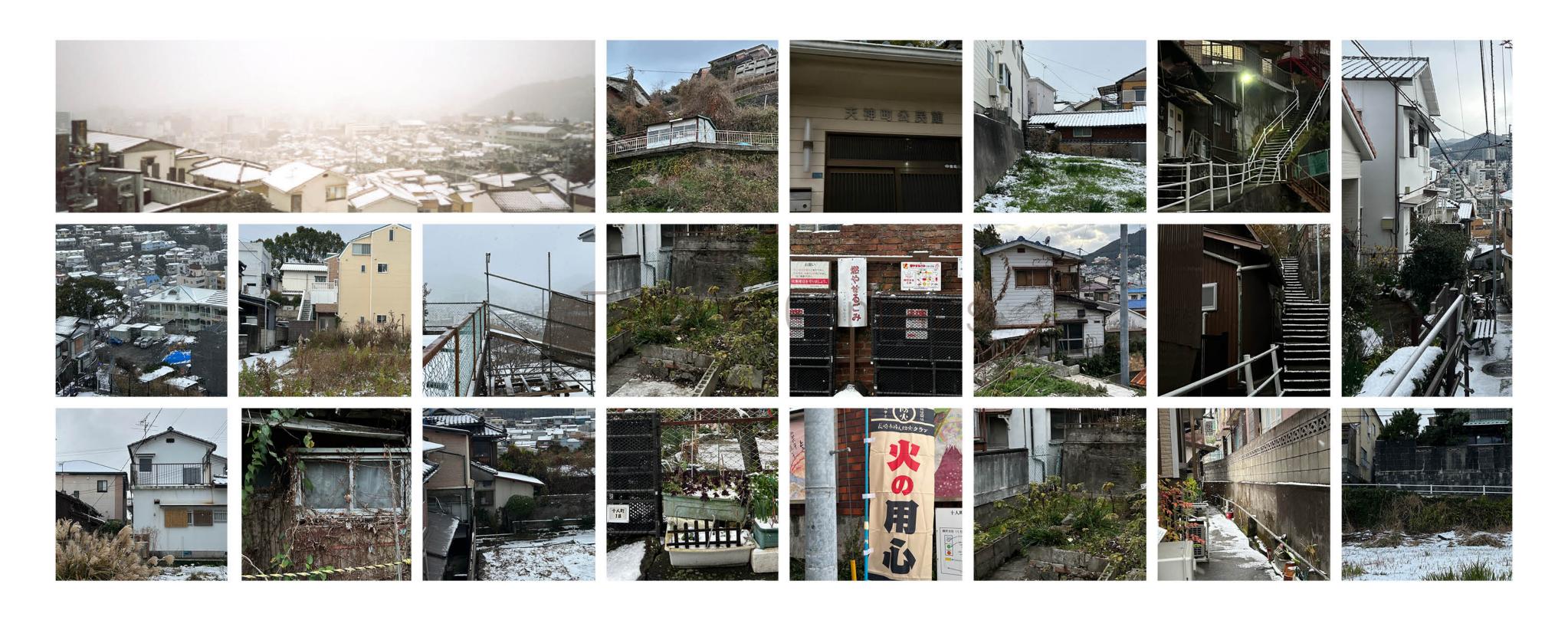


# Nagasaki's Social Welfare Distribution



### Site Visit / Key Takeaways

Vacant Lots & Parcels, Challenging Topography, Poor Road Infrastructure (General Accessibility for Services, Emergency)



If existing institutional / government strategies (such as the Location Optimization Plan) are ineffective, how can we engage with other actors (such as the real estate market) to scale up community efforts?

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**93** Proposed Framework

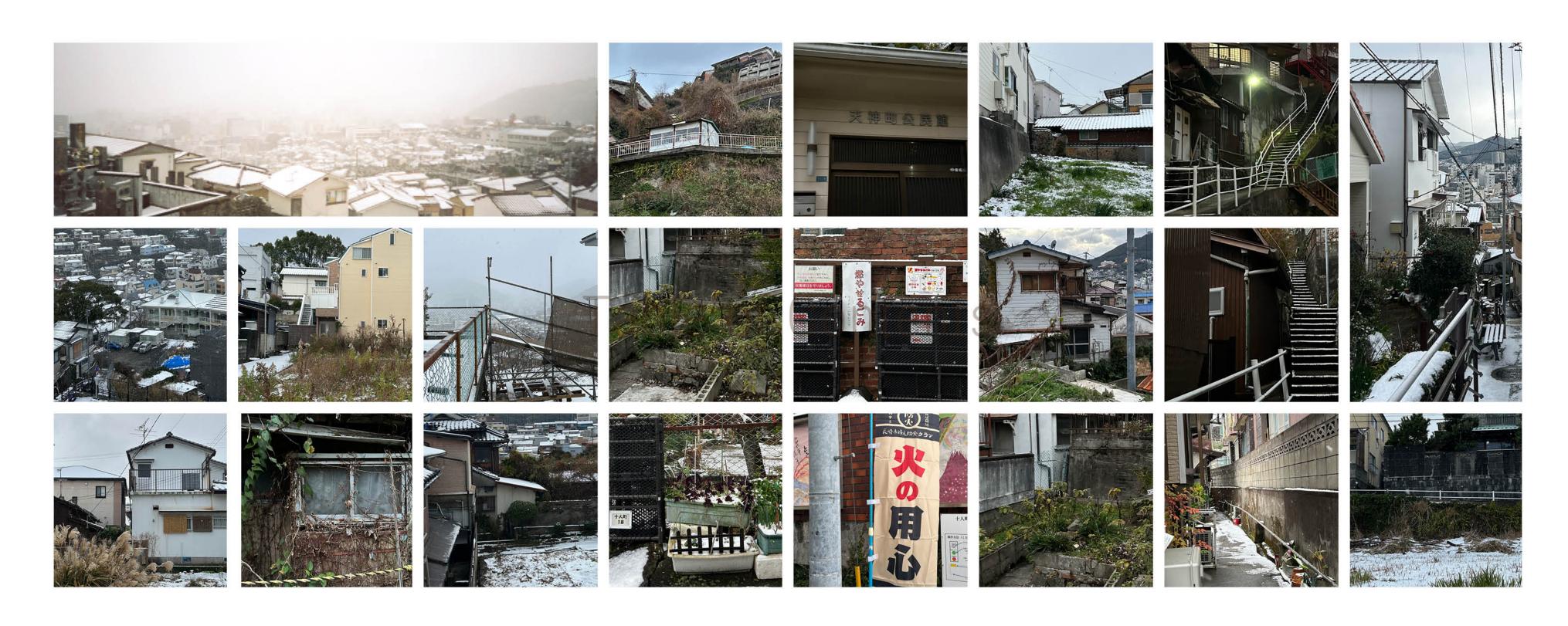
2.2 Planning across Disciplines

2.3 Opportunities / Constraints

**04** Recommendations

### Site Visit / Key Takeaways

Vacant Lots & Parcels, Challenging Topography, Poor Road Infrastructure (General Accessibility for Services, Emergency)



If existing institutional / government strategies (such as the Location Optimization Plan) are ineffective, how can we engage with other actors (such as the real estate market) to scale up community efforts?

### Guiding Questions







How can we reframe the Nagasaki's "Nature Symbiosis" zone to combat depopulation?

What are some of government inefficiencies that could be done by community groups or development market?

And in doing so, nurture land stewardship for a more resilient community?

Working alongside existing, local actors to transition mindset around development + encourage foreign (National and International) homeownership



### Community

e.g. Nagasaki-null, Nagasaki 2045









Young leaders with aspirations for sustainable economic development



#### Institutions

e.g. Bank of Japan, Nagasaki-shi Planning Department



City department; guidelines, risk assessment & regional development plans

pictured: Zero Carbon City, Development Plans, Climate Change Plans



### Community

e.g. Nagasaki-null, Nagasaki 2045



Young leaders with aspirations for sustainable economic development



#### Real Estate Market

e.g. Nagasaki's land market, property market



Mature development market with established agencies and infrastructure





### Institutions



Real Estate Market





#### Institutions

e.g. Bank of Japan, Nagasaki-shi Planning Department

- Robust, comprehensive policies on risk mitigation

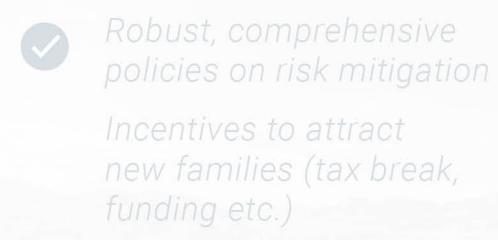
  Incentives to attract new families (tax break, funding etc.)
- Complicated to navigate as outsider

  Inefficiency (land bank takes years)

  Lenient penalty system

#### Institutions

e.g. Bank of Japan, Nagasaki-shi Planning Department



Complicated to navigate as outsider

Inefficiency (land bank takes years)

Lenient pentalty system



e.g. Nagasaki's land market, property market



Excess supply / cheap houses

Outdated infrastructure (hence reluctance to take on Akiya land banks)

Difficult for foreigners to navigate homeownership and money lending

### Community



### 2.2







#### Institutions

e.g. Bank of Japan, Nagasaki-shi Planning Department

- Robust, comprehensive policies on risk mitigation Incentives to attract new families (tax break, funding etc.)
  - Complicated to navigate as outsider takes years) Lenient pentalty system



#### Community

Planning across disciplines

e.g. Nagasaki-null, Nagasaki 2045

- Enthusiastic and active community groups
- Efforts contained at community scale

Separated from government efforts / initiatives

Existing homeowners resistant to change

(bequest motives, hence inefficient use of space)



#### Real Estate Market

e.g. Nagasaki's land market, property market

- for Japanese nationals
- Outdated infrastructure (hence reluctance to take

Difficult for foreigners to navigate homeownership



### Community



### 2.2

nstitutions

eal Estate Market



# Planning across disciplines

community engagement

Likes

**Transit Systems** 

Convenience

**Access to Nature** 

Future aspirations

**Vibrant Community cores** 

City for children to grow up in

More jobs for younger generations

General unfamiliarity with development plans, low proactivity with community (no groups)



#### Community

e.g. Nagasaki-null, Nagasaki 2045





Separated from government efforts / initiatives

Existing homeowners resistant to change

(bequest motives, hence inefficient use of space)

"Rate your sense of community where you live? Are you proud of where you live?"

5.4 / 10

### Opportunities / Constraints





### Institutions



### Real Estate Market



### ¥

#### Institutions

e.g. Bank of Japan, Nagasaki-shi Planning Department

- Robust, comprehensive policies on risk mitigation Incentives to attract new families (tax break, funding etc.)
- Complicated to navigate as outsider

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#### Community

e.g. Nagasaki-null, Nagasaki 2045

- Enthusiastic and active community groups
- Efforts contained at community scale

Separated from government efforts / initiatives

Existing homeowners resistant to change

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#### Real Estate Market

e.g. Nagasaki's land market, property market

- Easy homeownership for Japanese nationals
  - Excess supply / cheap houses
- Outdated infrastructure (hence reluctance to take on Akiya land banks)

Difficult for foreigners to navigate homeownership and money lending Context
 Research Intent
 Proposed Framework
 Project Goals
 Framework Overview
 Recommendations
 Real Estate - Guidebook
 Institution - Funding

# Project Goals

Community



Institutions



Real Estate Market



Establish framework that encourages collaboration and accountability across disciplines







Phase out
"Nature Symbiosis Zone" in
Location Optimization Plan.

Ensure community group established in each district.

Supported transition of vacant lot ownership to local community groups.

Create guidebook for foreign investors, families, immigrants to encourage homeownership.

### Framework Overview

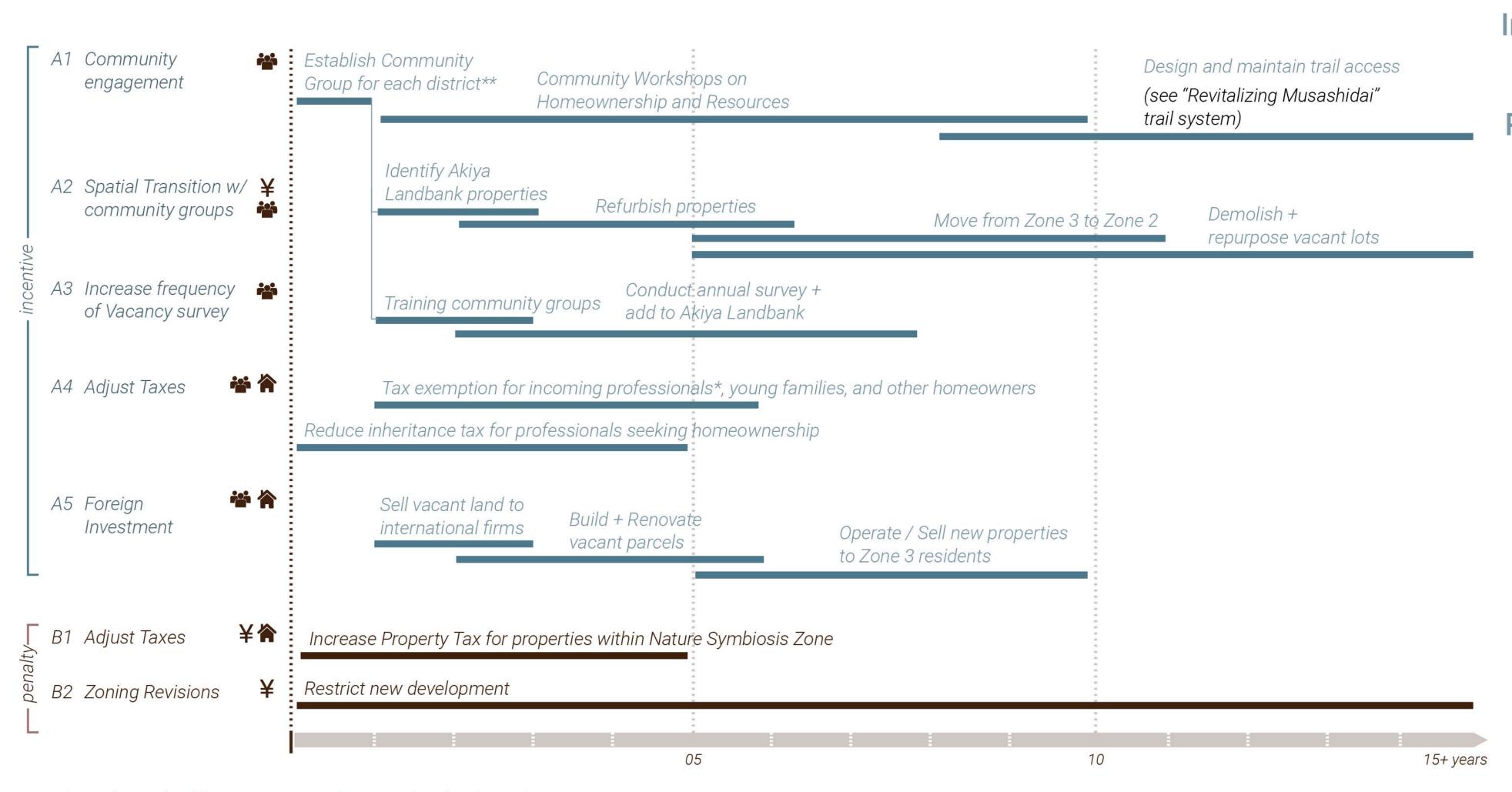




### Institutions

Real Estate Market



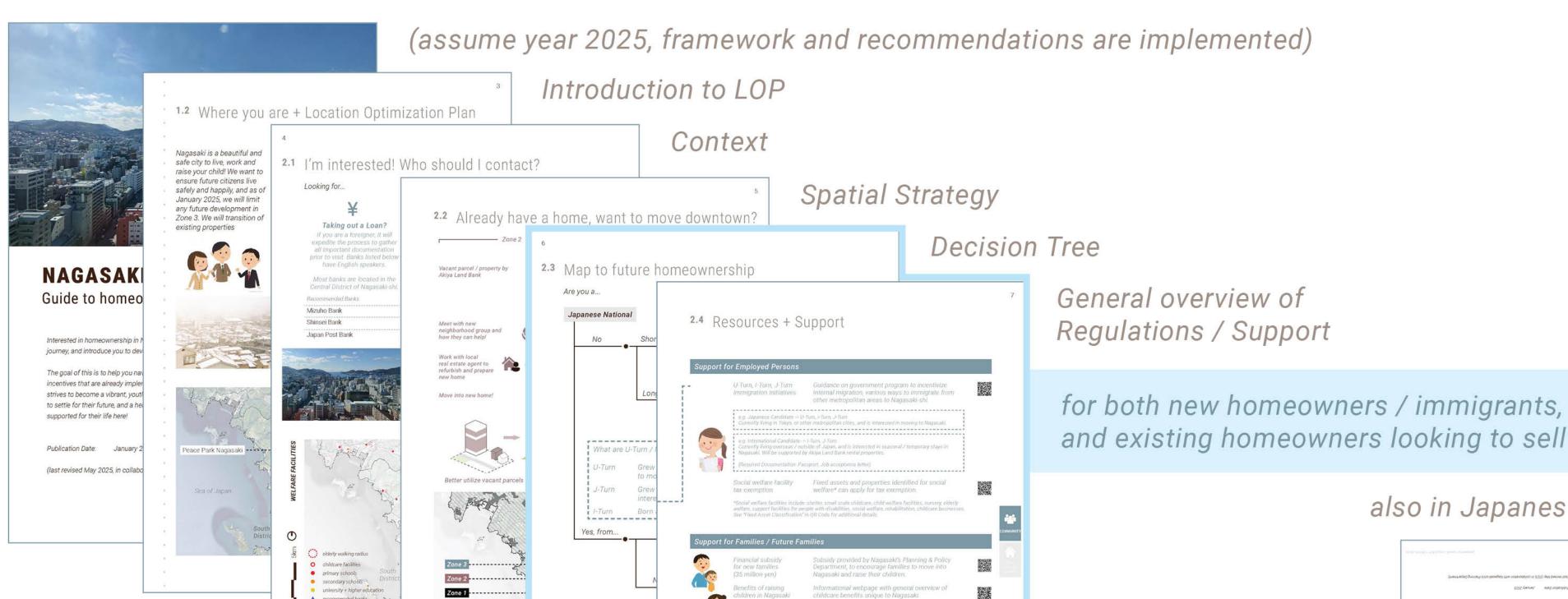


<sup>\*</sup> only applies to healthcare, service, industry and technological sectors

<sup>\*\*</sup> if not already established

### Guidebook



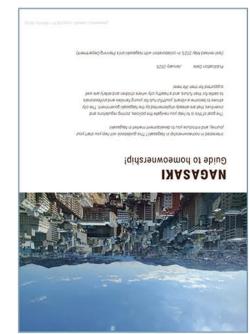


- Unable to move - Able + Willing to

3.3

and existing homeowners looking to sell

also in Japanese!



### ...but how is it funded?

3.4

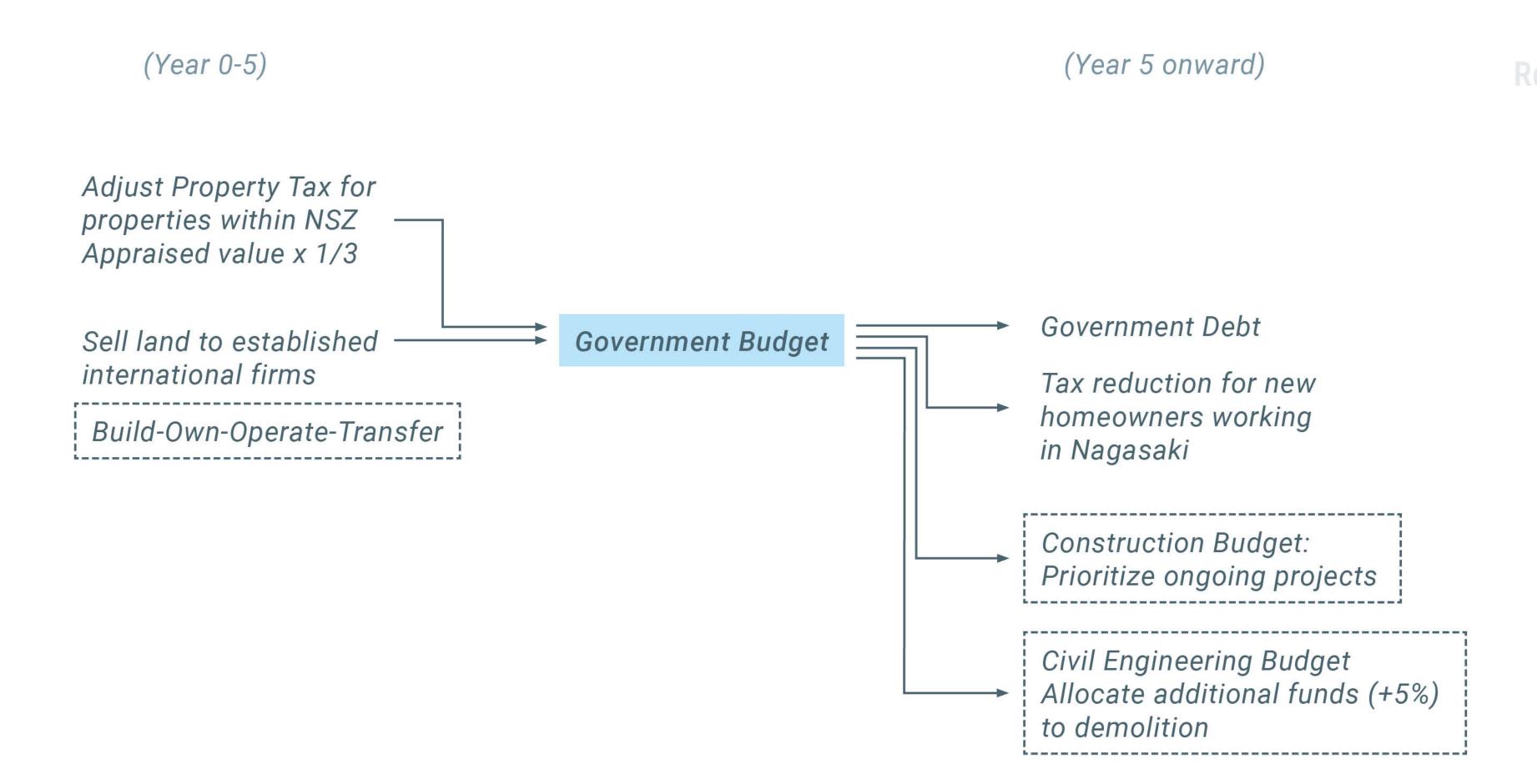
Community

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### ...but how is it funded?

3.4

Community

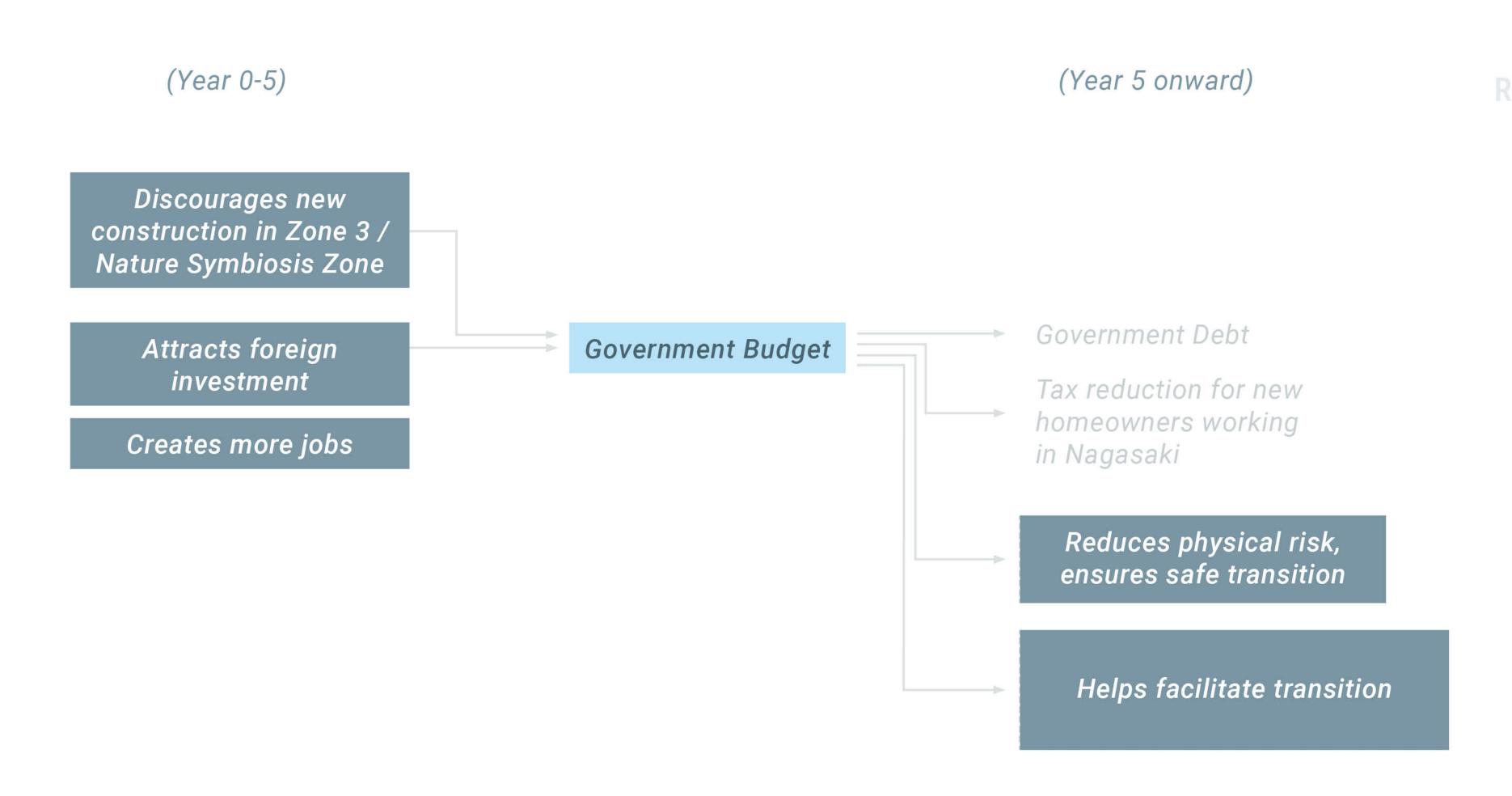
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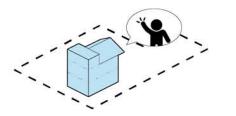


Zone 3 / Nature
Symbiosis Zone

Vacant parcel / property by Akiya Land Bank

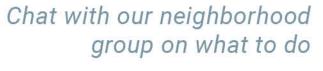
Zone 2

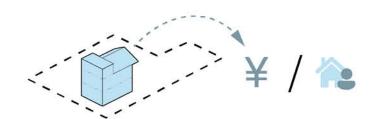




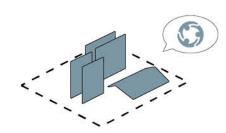
"I want to move out of Nature Symbiosis Zone!"







Transfer home to real estate / Akiya Land Bank via neighborhood group



Neighborhood group to demolish / remove debris from site



Over time, naturalize parcel or transform into garden

(This could also apply to business owners, AirBnB hosts, recently popular dankan's, or other

3.5



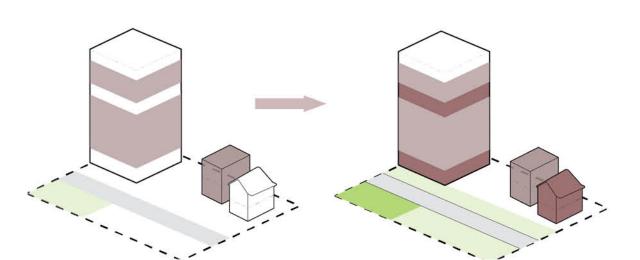
neighborhood group and

Meet with new

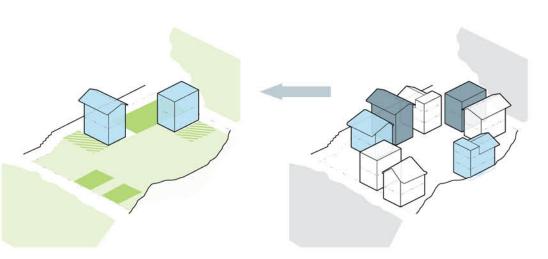
how they can help!







Better utilize vacant parcels near city center



Naturalize Zone 3, improve accessibility / safety











nstitutions



Real Estate Market





3.5

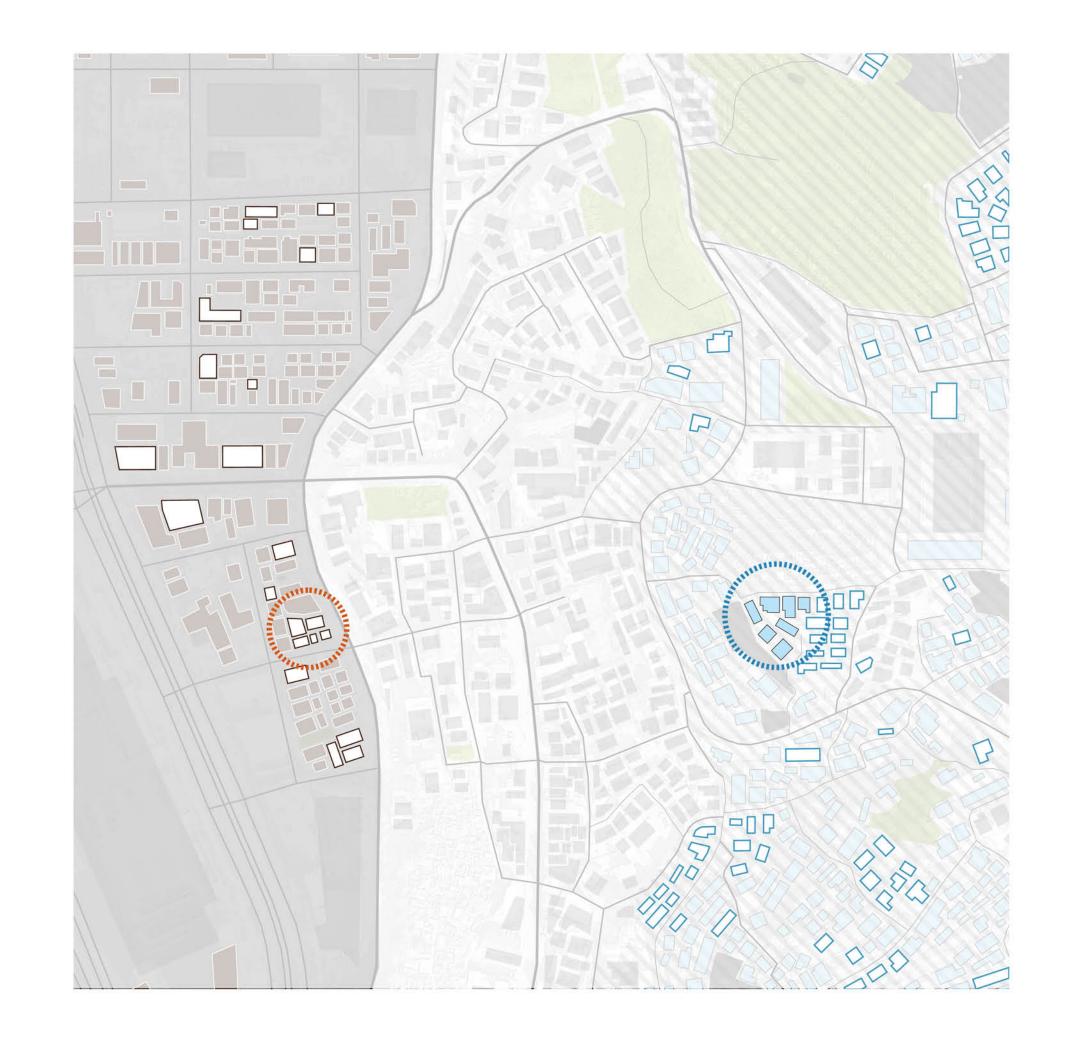


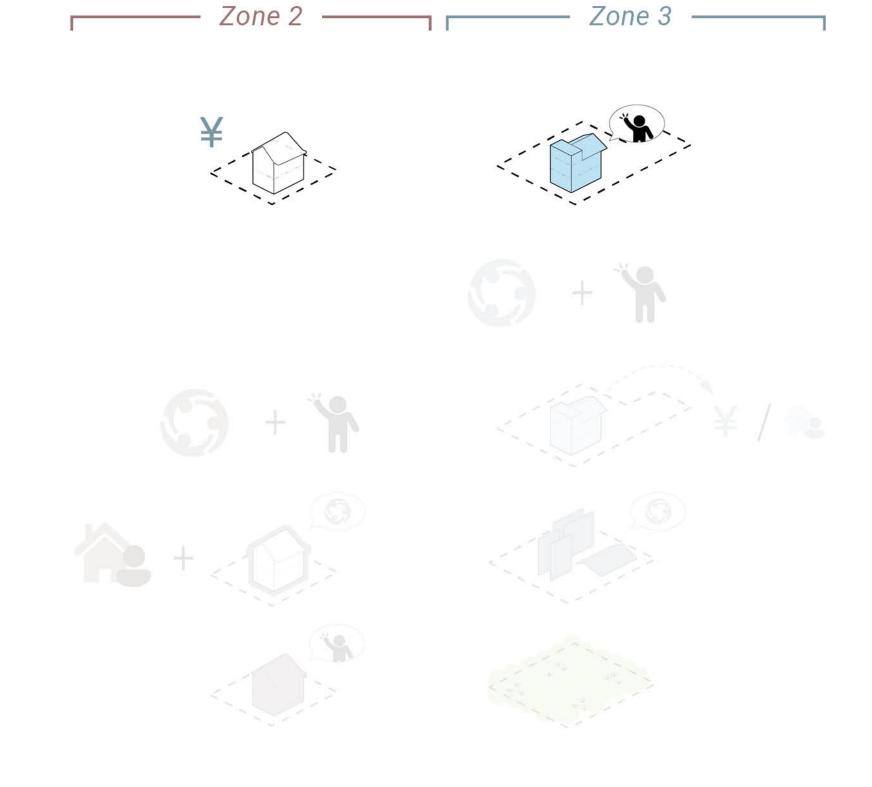














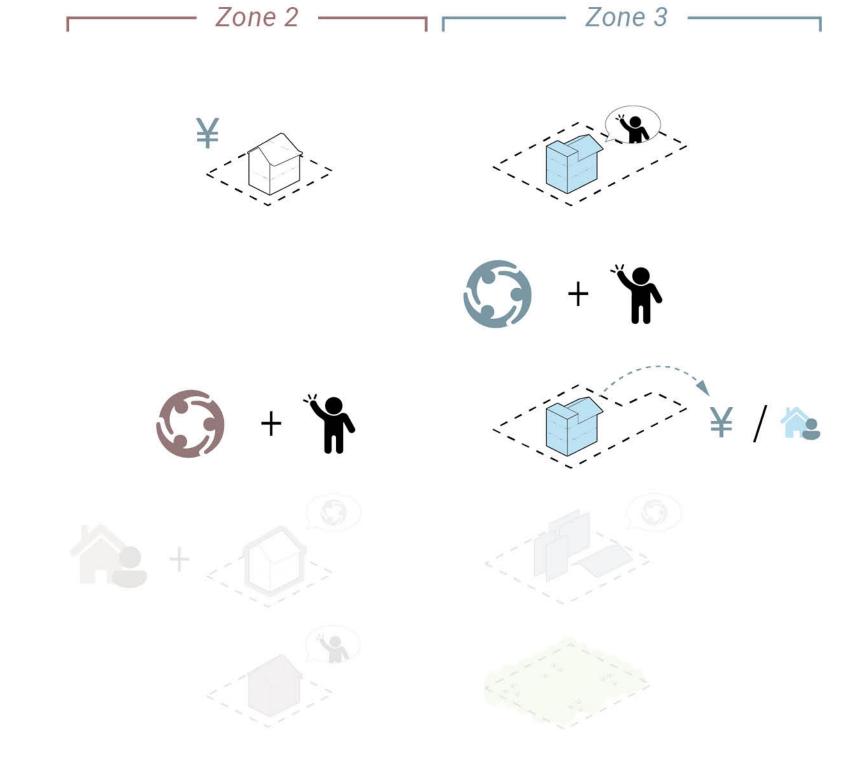












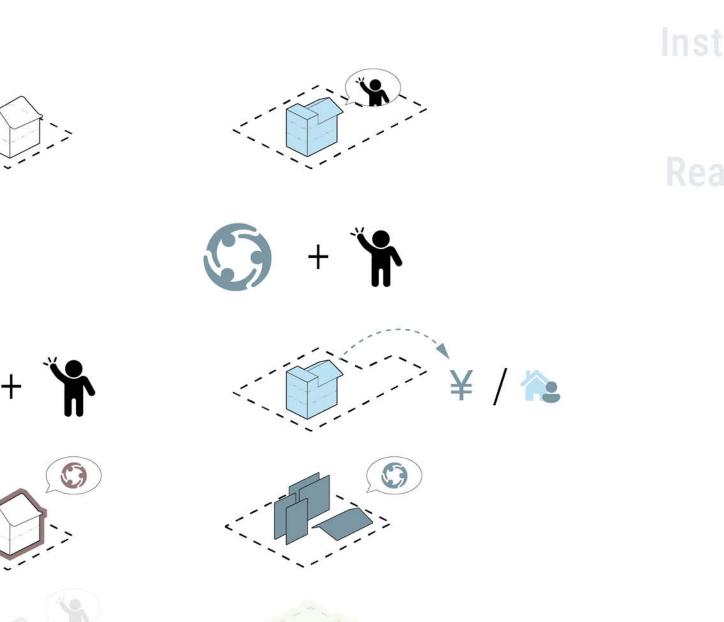








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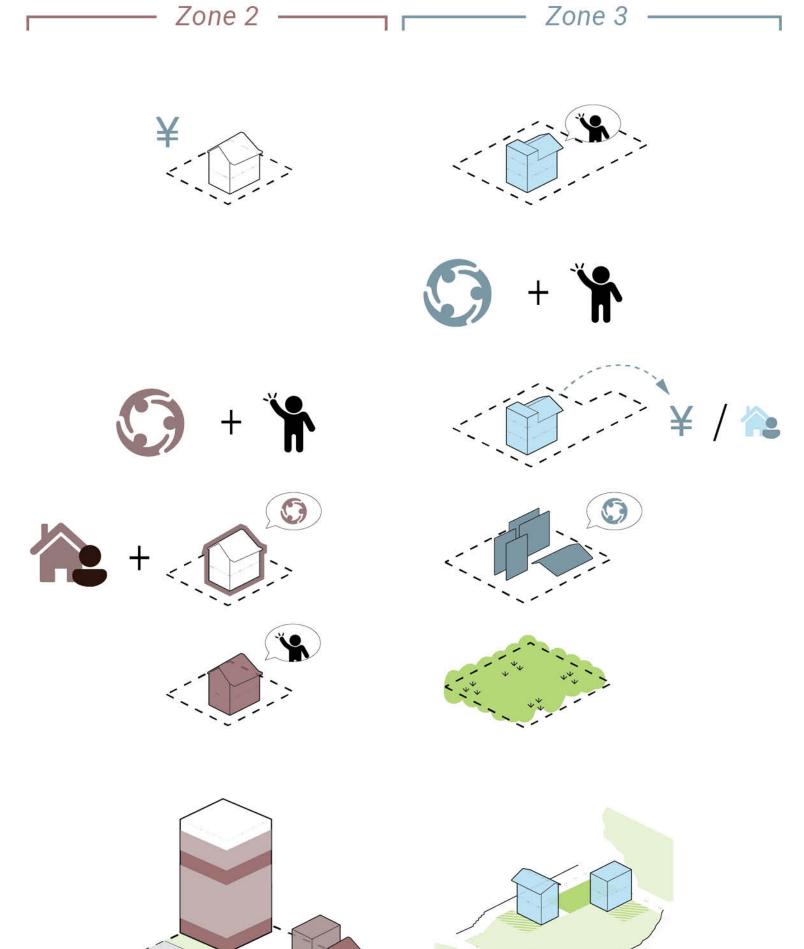
Zone 3

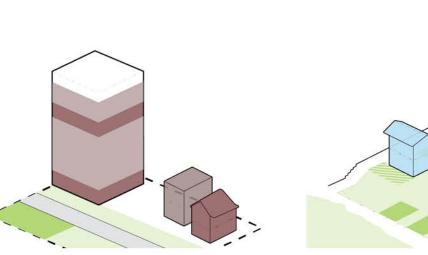
















Research Intent

03

Proposed Framework

04

### Recommendations

### Next Steps

Continue conversations with Nagasaki 2045 and Nagasaki Planning Department. Share with existing developers and real estate agents for resource sharing. Encourage inter-city conversations and best practices.

### Continued conversations

How does this reframe the broader approach to bequest motives, besides engaging through education and imposing taxes? Is this a generational phenomena?

How can this be adapted to growing phenomenon of shrinking cities across the world?

### Designing for a

Resistant Resilient

Regenerative Nagasaki