

Perspective to “Constellation City”

20th EAROPH World Congress

Miri Sarawak, Malaysia

August 15th 2006

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Saikai Nagasaki, Japan

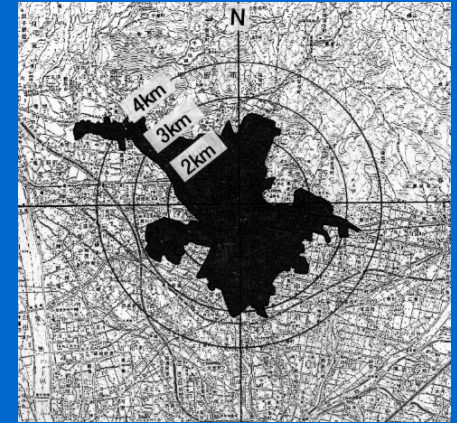
Expansion of Suburbanized Area (1)

Expansion of Densely Inhabited District(DID) (Kofu)

1960 10.2□



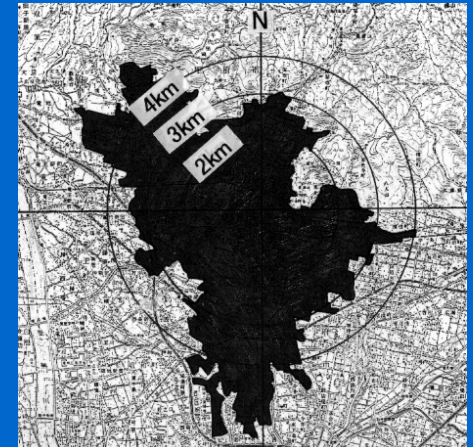
1970 16.9□



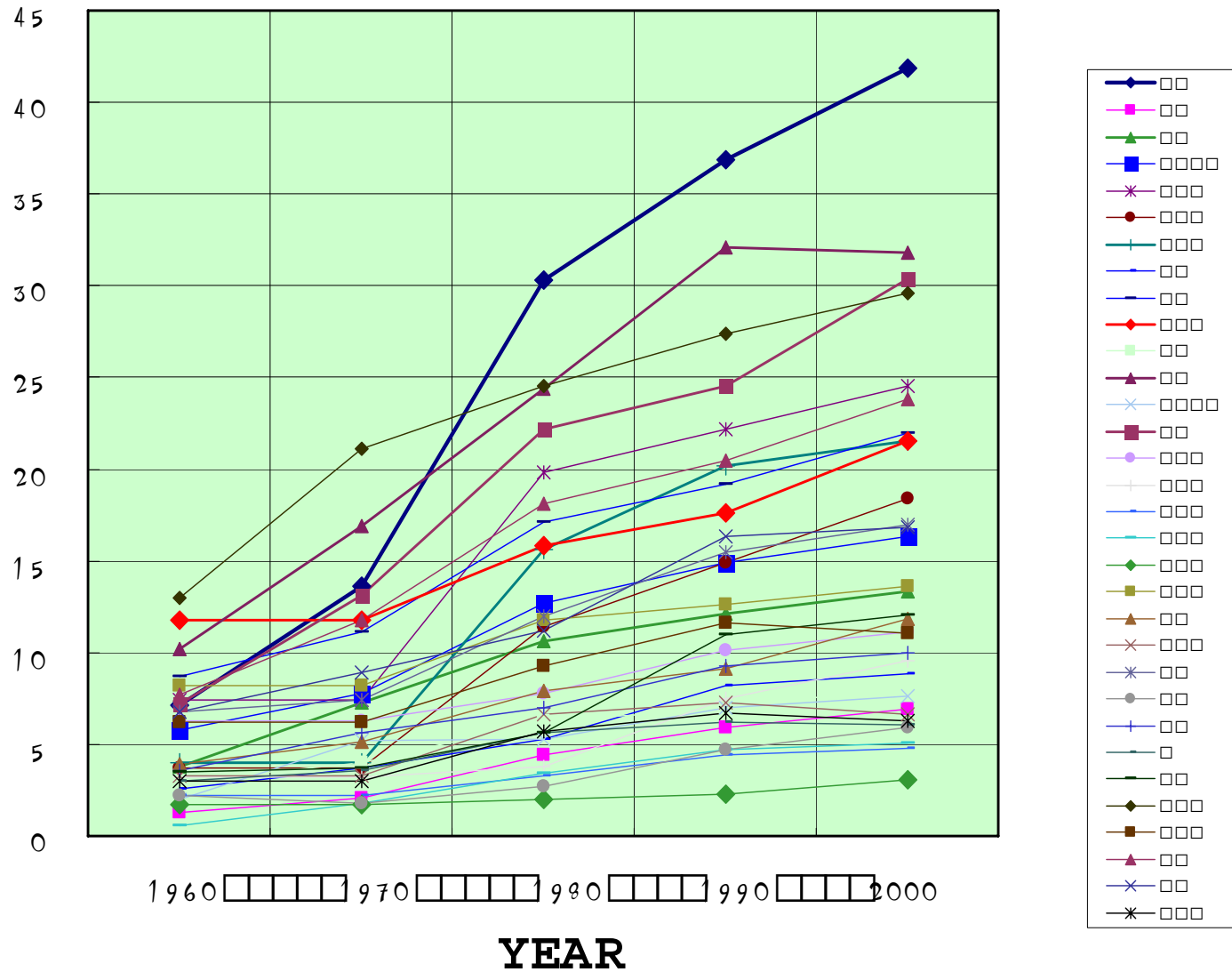
1980 24.4□



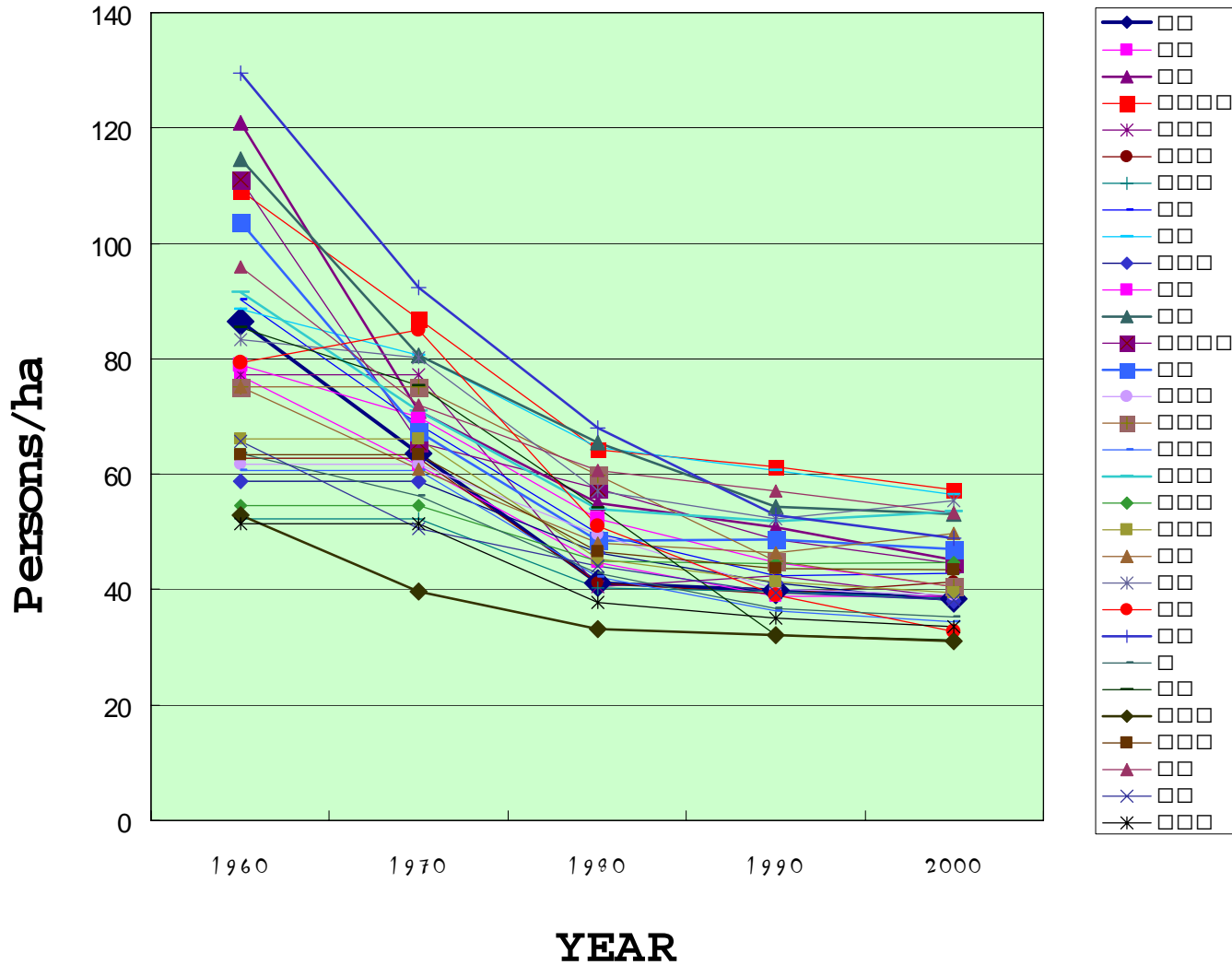
2005 32.8ha



Expansion of Suburbanized Area (2)

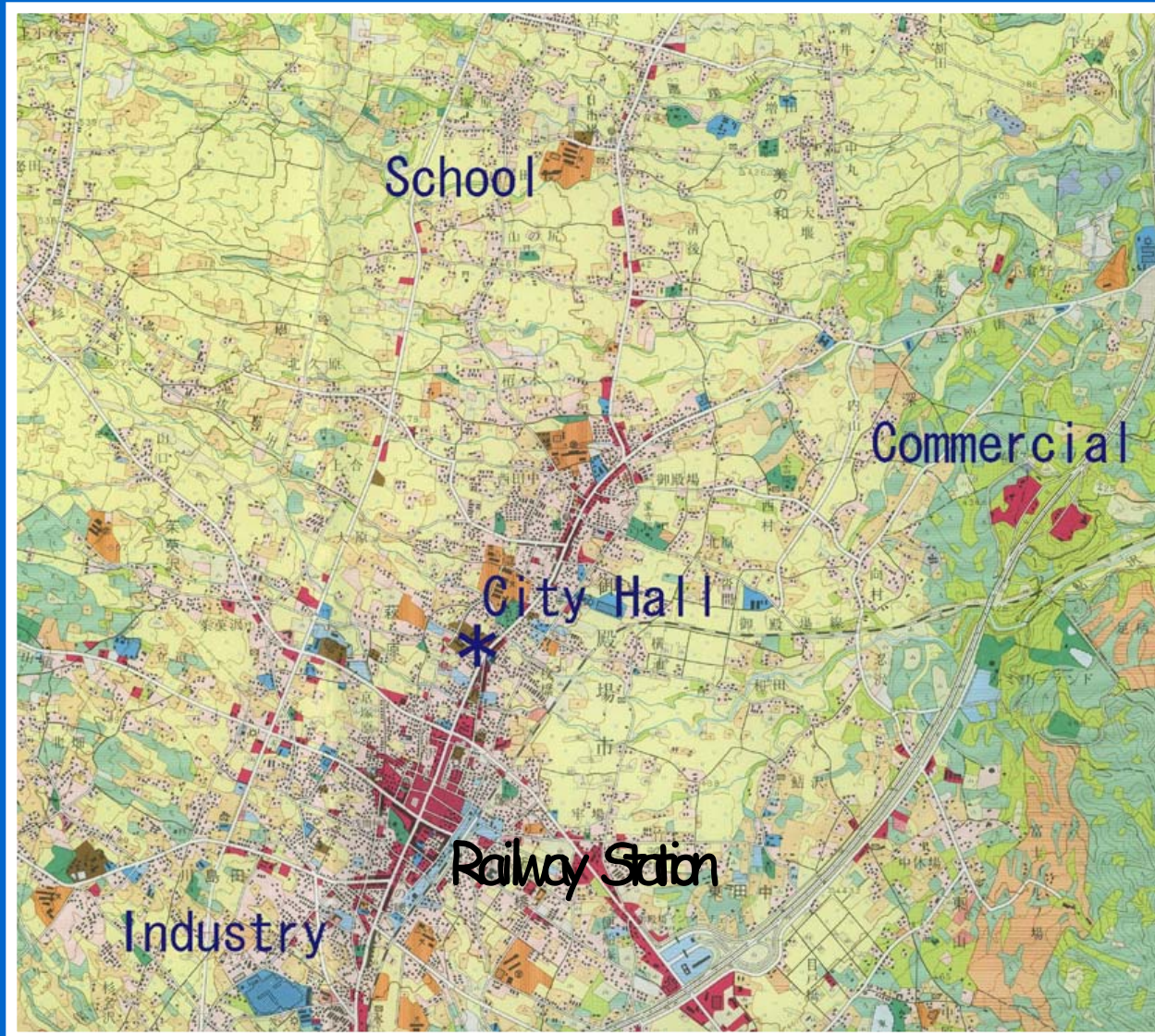


Expansion of Suburbanized Area (3)

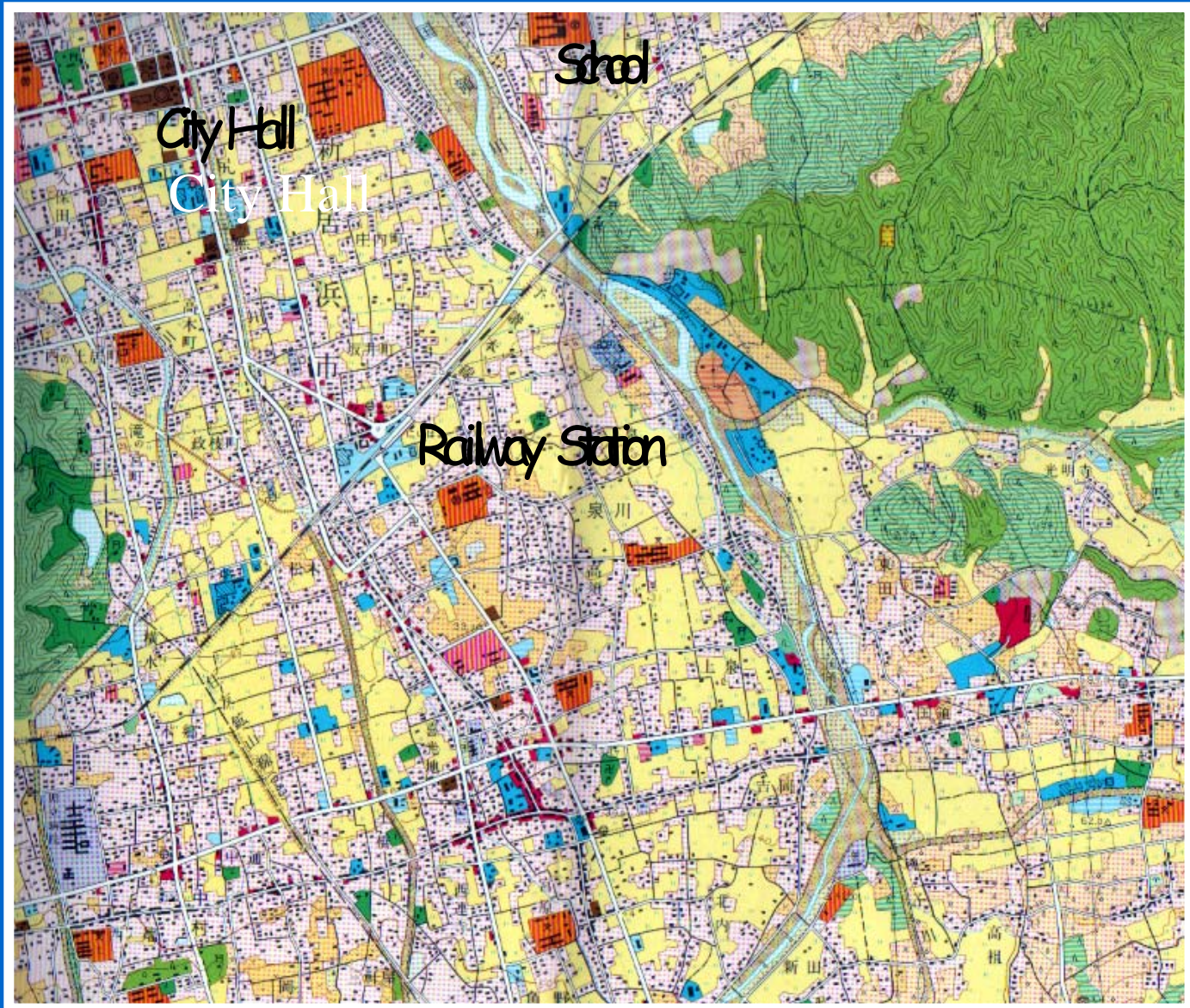


Land Use of Suburbanized City (1)

(Gotemba)

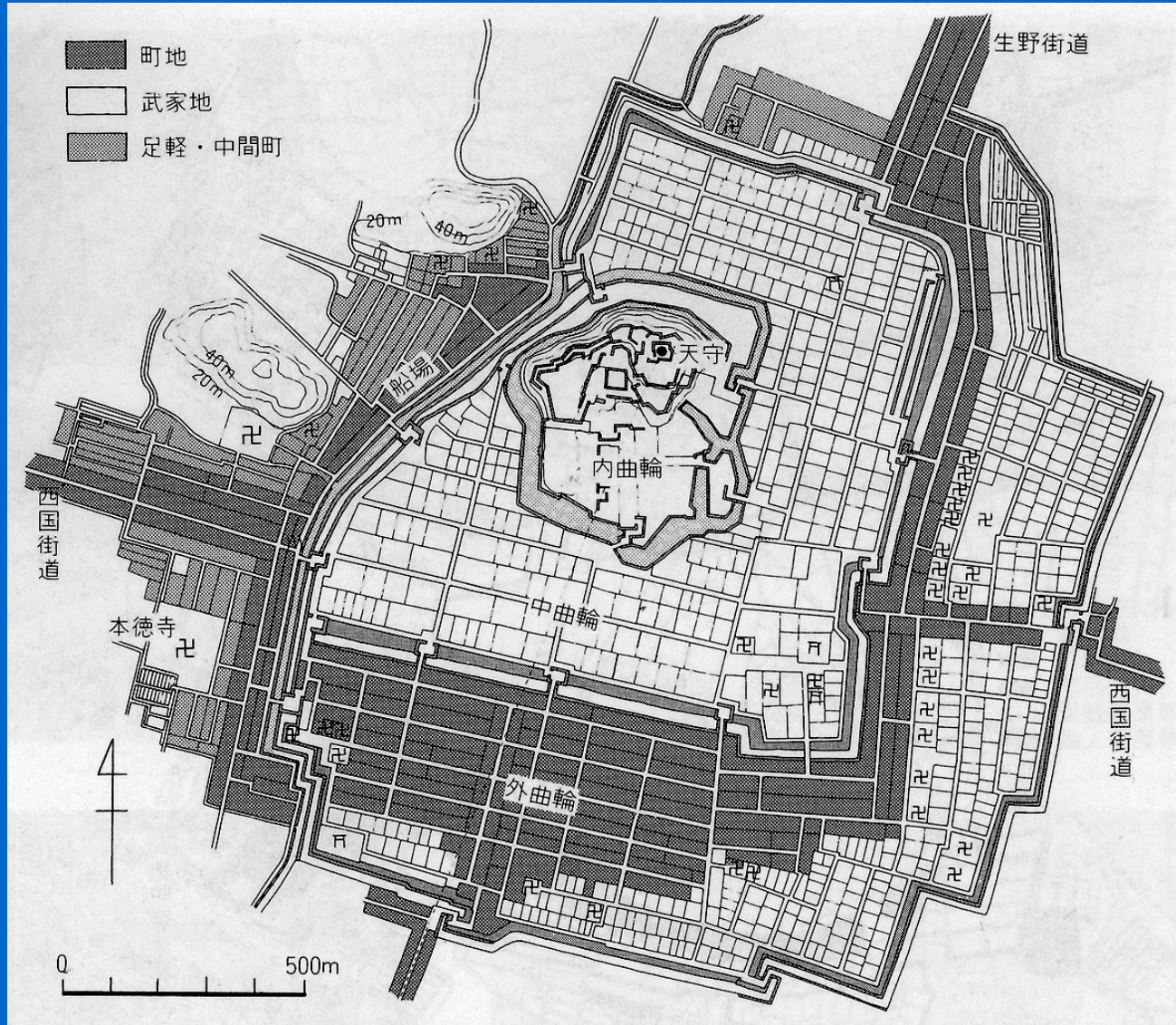


Land Use of Suburbanized City (2) (Niihama)



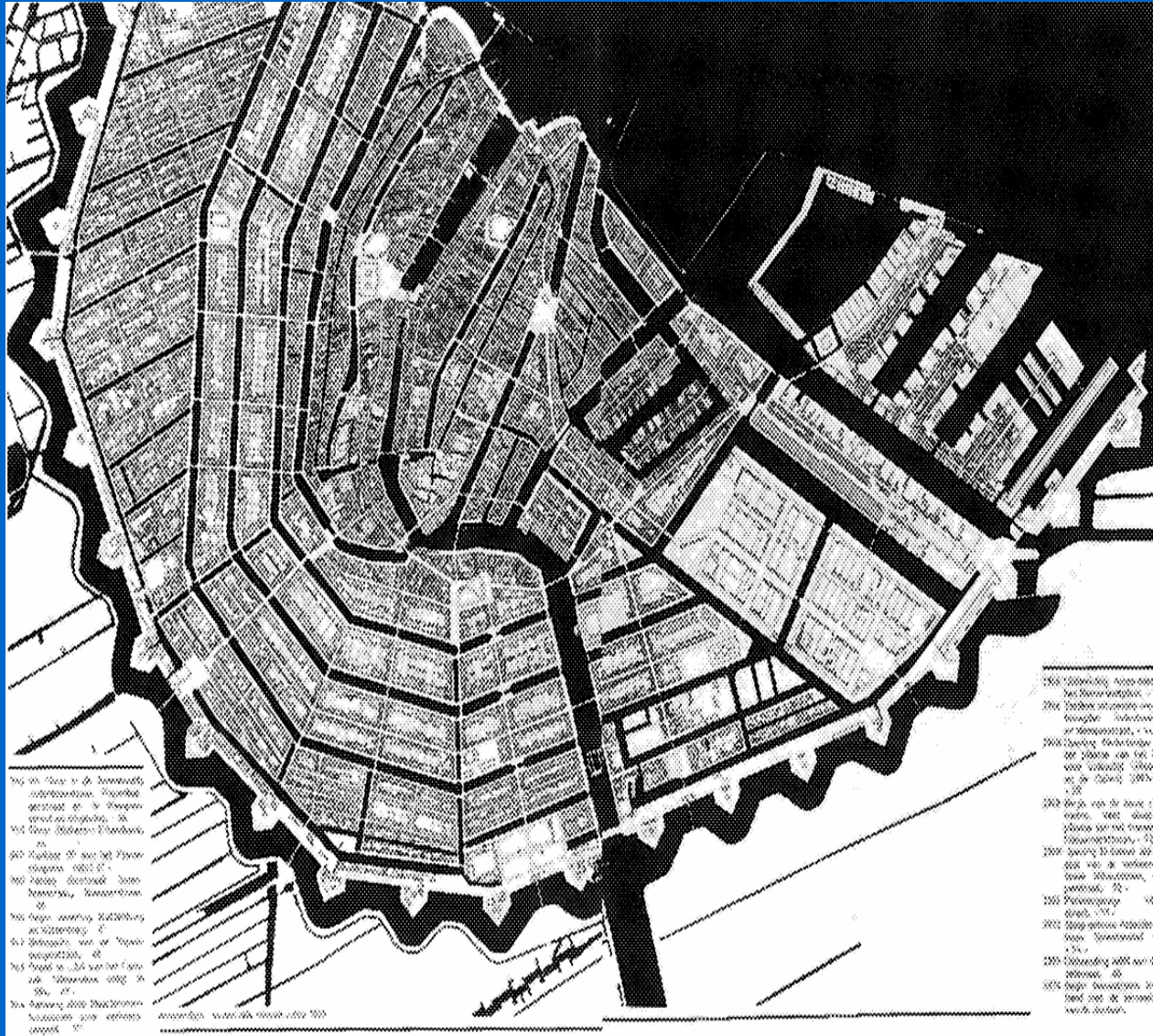
Historical City (1)

Himeji



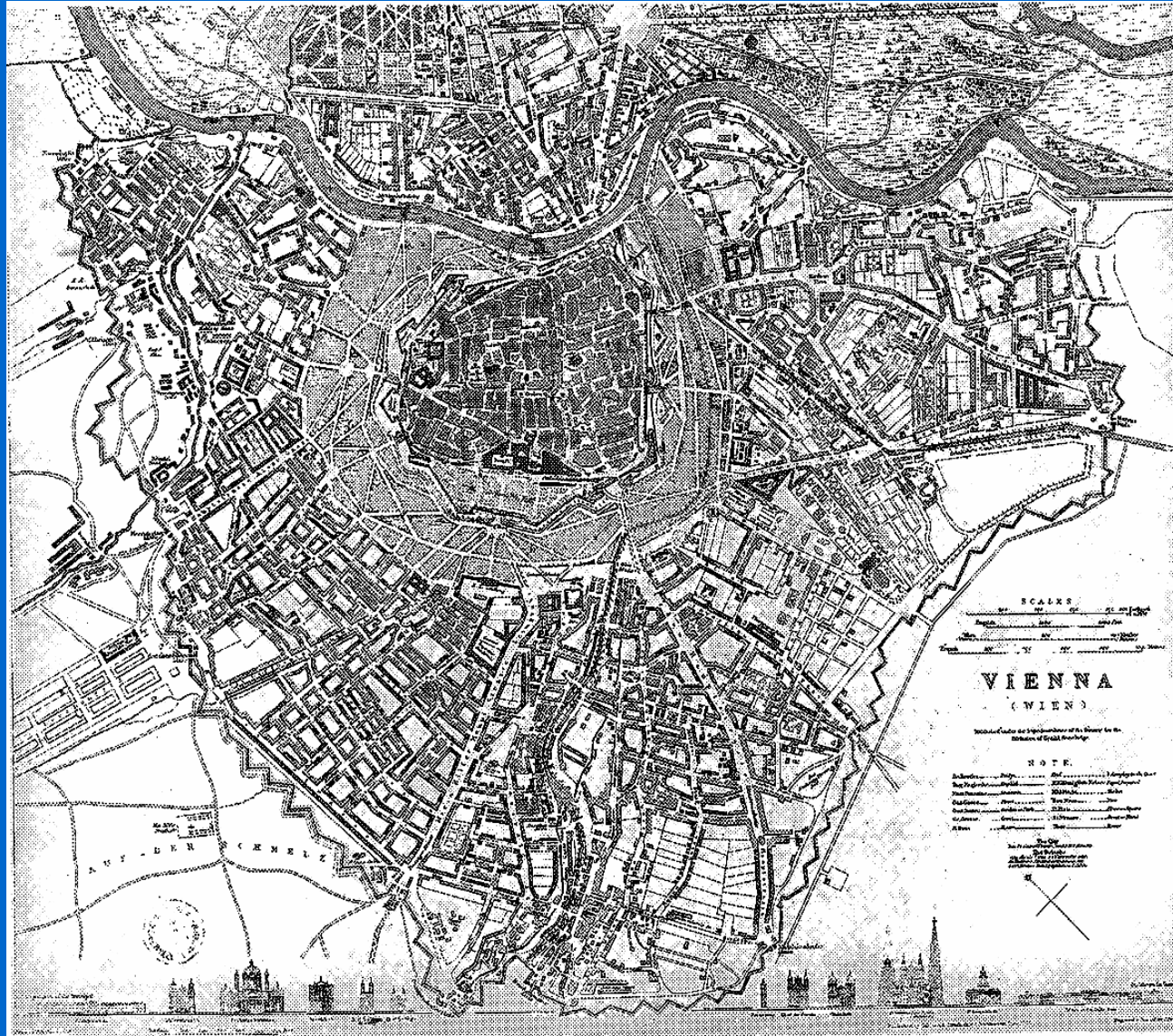
Historical City (2)

Amsterdam 1825

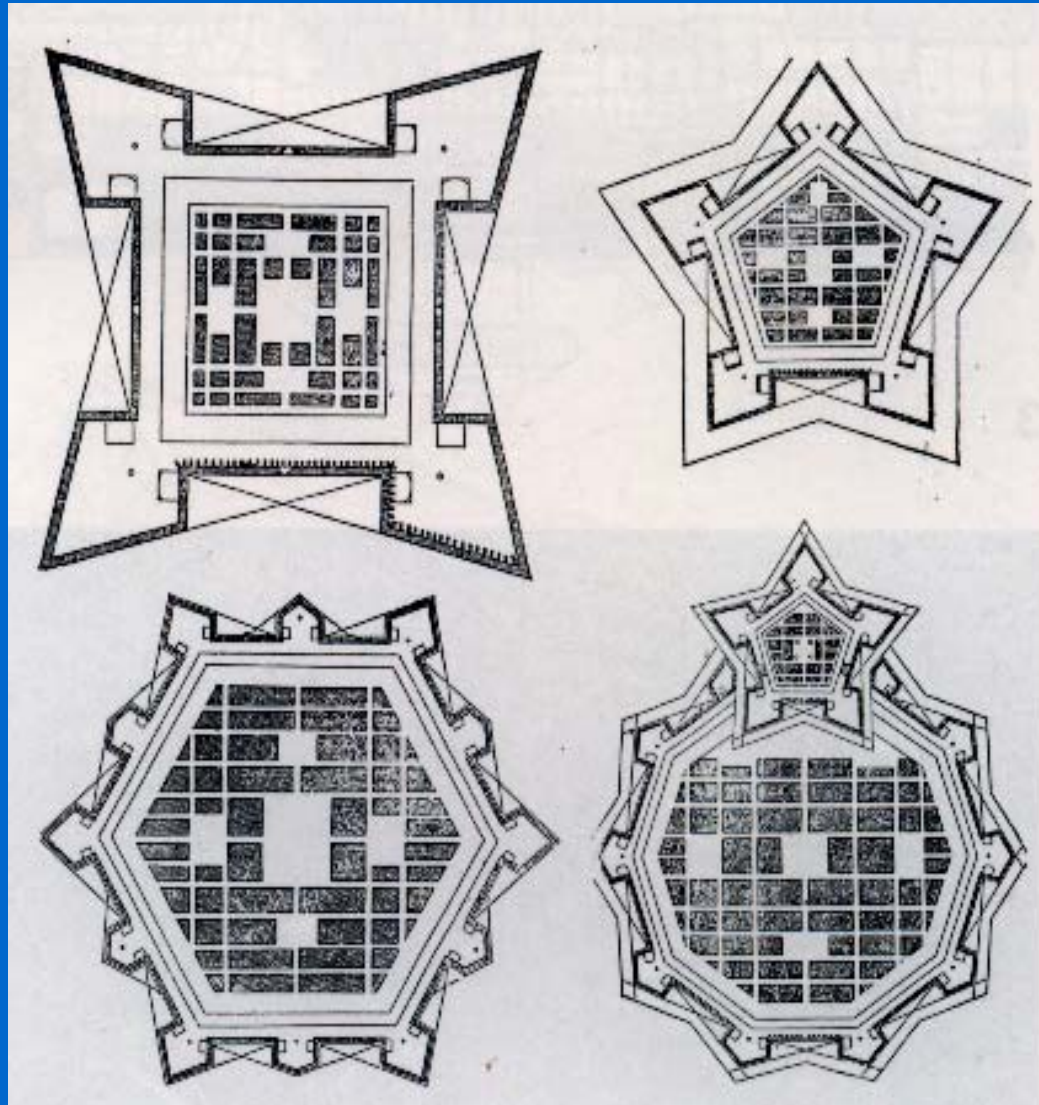


Historical City (3)

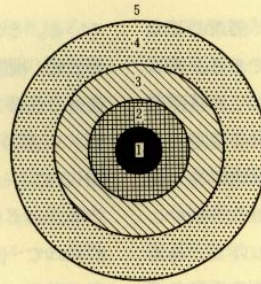
Vienna 1833



Ideal City in Classical Structure

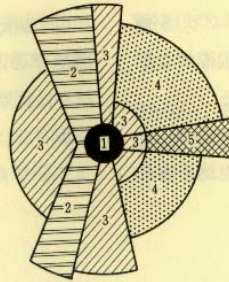


Prototype of Structure



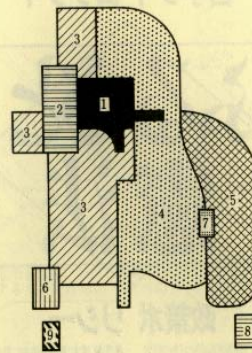
バージェスの同心円論

1. 中央業務地区
2. 推移地帯
3. 労働者住宅地帯
4. 高級住宅地帯
5. 通勤者地帯



ホイットの扇形論

1. 中央業務地区
2. 卸売り、軽工業
3. 下層階級住宅
4. 中流階級住宅
5. 上流階級住宅



マッケンジーの多核心論

1. 中央業務地区
2. 卸売り、軽工業
3. 下層階級住宅
4. 中流階級住宅
5. 上流階級住宅
6. 重工業
7. 外周業務地区
8. 郊外住宅
9. 郊外工業

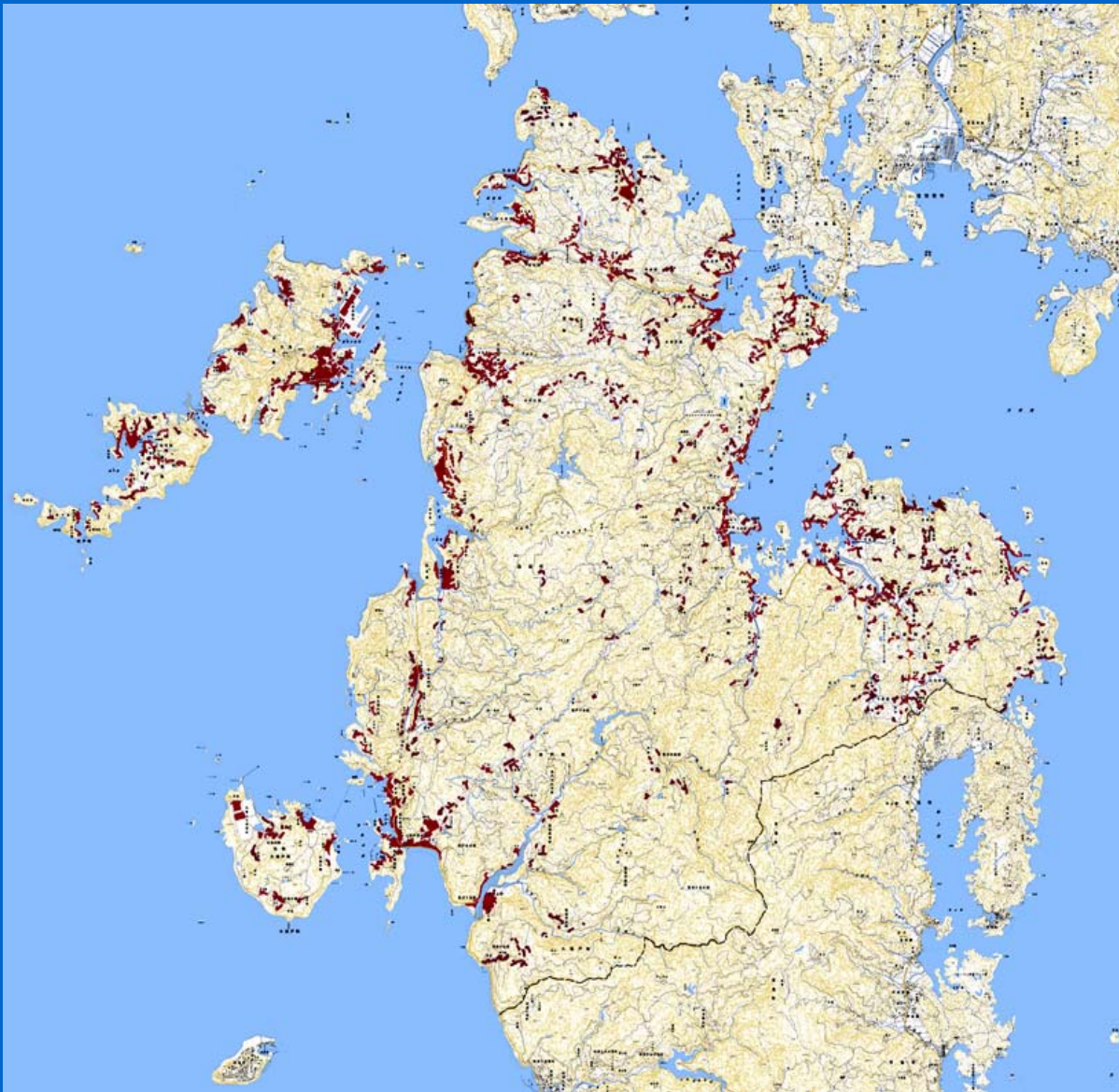
(出典/石原舜介ほか編：都市の制御—現代都市学シリーズ，日本放送出版協会，1971)

Distribution of Settlements

Saikai 2006

西海市

集落分布図



0 1 2 5km

Typical Settlement



Fisherman's Harbor and Beach



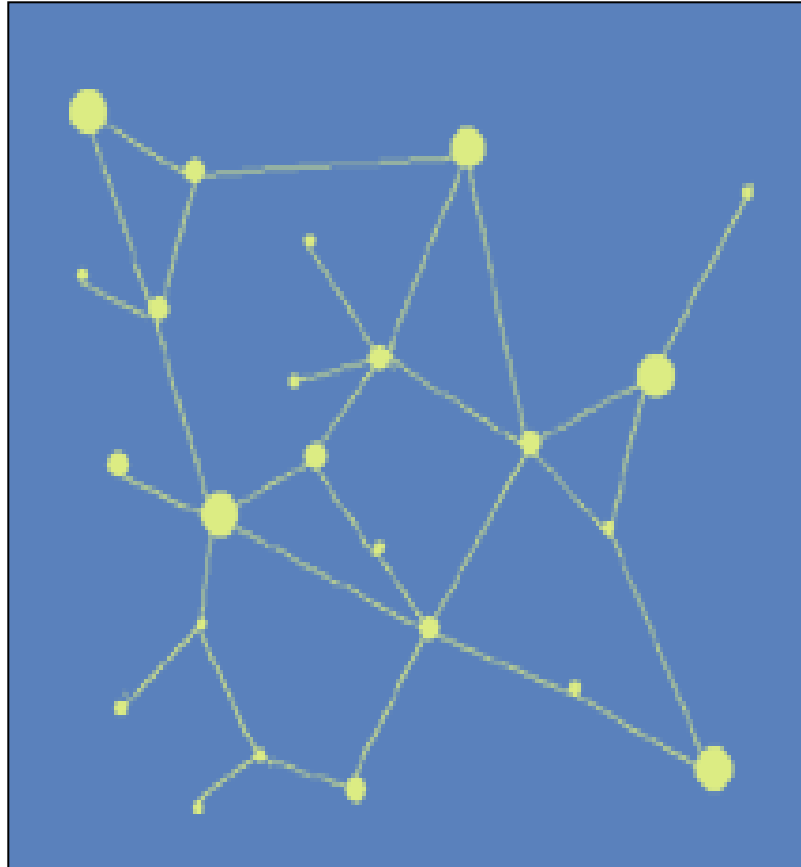
Fisherman's Harbor and Cultural Complex



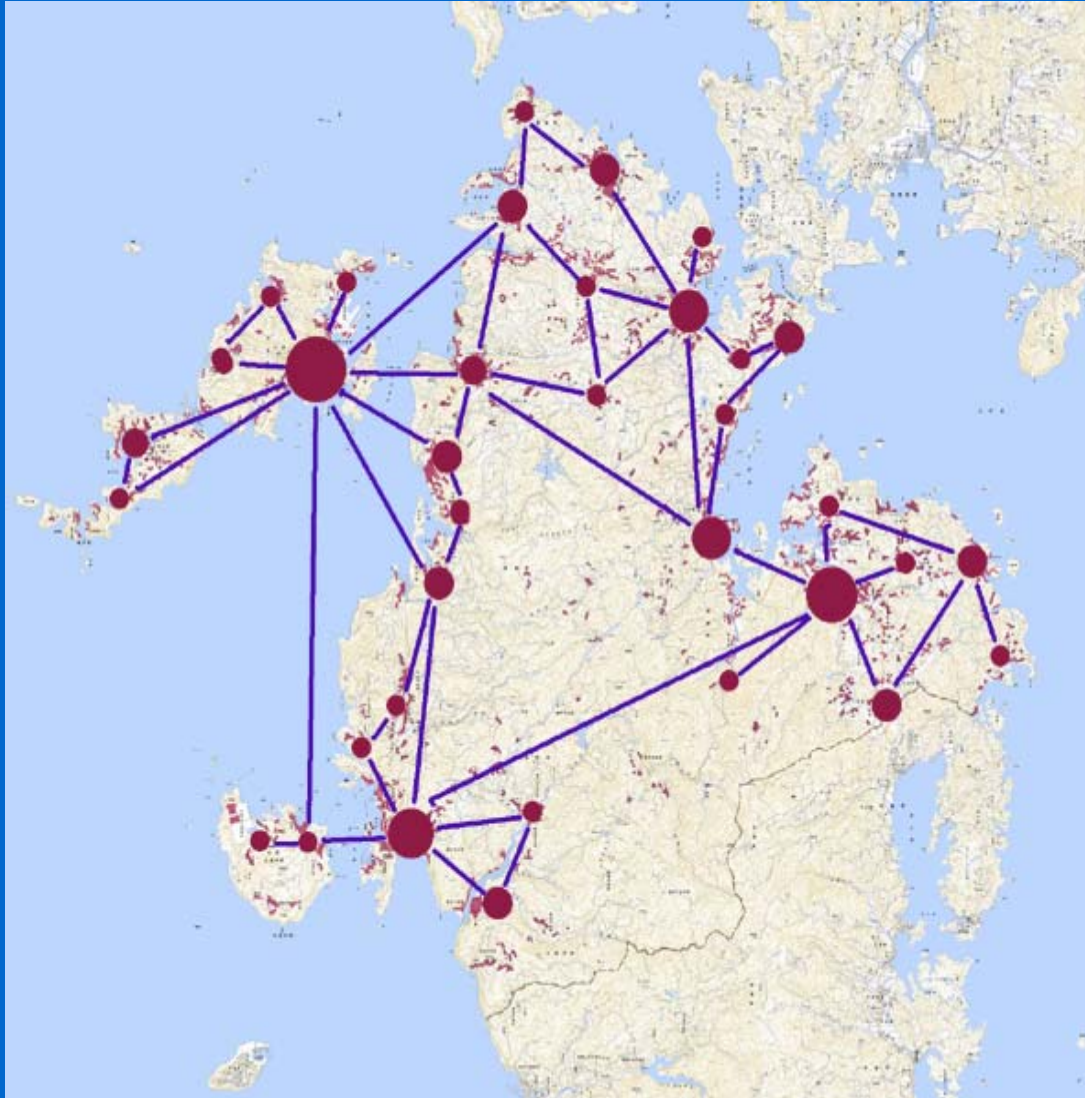
From Classical Compact Structure to Cluster Network System

- It is difficult or impossible at present that we reorganize the suburbanized structure to the classical compact structure.
- It is not always sustainable to create the pyramid shape structure at small cities in local region.

Constellation City structured by Cluster Networks



Constellation City : SAIKAI



General View at the City of Saikai

- An independent cluster houses 100–500 inhabitants.
- The total system is organized by 5 districts or ± 50 clusters.
- Most of planning is performed in each district consists of ± 10 clusters.
- Central administrative services are allocated to each district, such as central welfare service is stationed at district A.
- ICT should be popularized and functionalized.

Perspective to “Constellation City”



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