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Metropolitan Governance Needs Metropolitan Planning & Cross-boundary Collaboration in Taiwan

Global City Competitiveness

What determines a city's competitiveness and growth potential? Eight grouped major categories:

- economic strength (30%)
- human capital (15%)
- institutional effectiveness (15%)
- financial maturity (10%)
- global appeal (10%)
- physical capital (10%)
- environment and natural hazards (5%)
- social and cultural character (5%)

Metropolitan Governance Needs Metropolitan Planning & Cross-boundary Collaboration in Taiwan

Effectiveness Keep Economy Growing

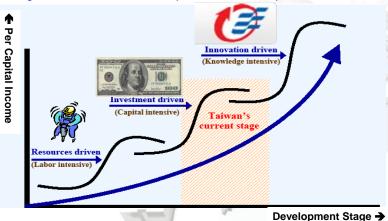
- •Taiwan occupies less than 0.03% of the world's surface and is populated by only 0.4% of the global population, but has the world's 23rd-largest economy and is a strong economic and trade power.
- Dense population, approaching to a mature economy, traditional sectors move to cheap labor countries, lacking raw physical material
- A perspective future to distinguish Taiwan from others is not only the quality of thought, creativity and innovation, but also economic effectiveness

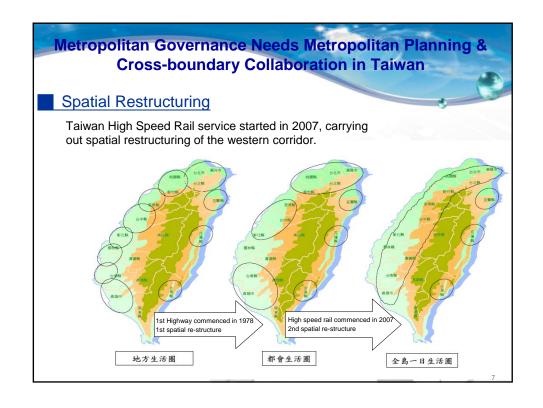


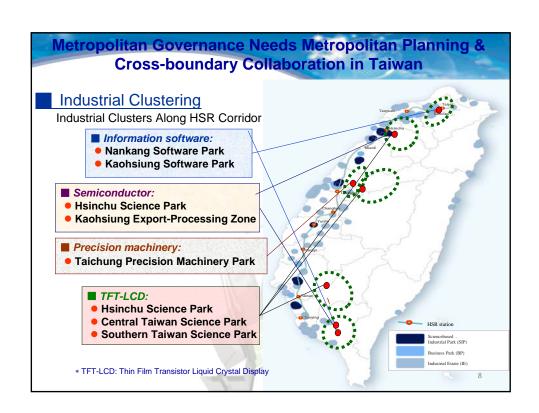
Metropolitan Governance Needs Metropolitan Planning & Cross-boundary Collaboration in Taiwan

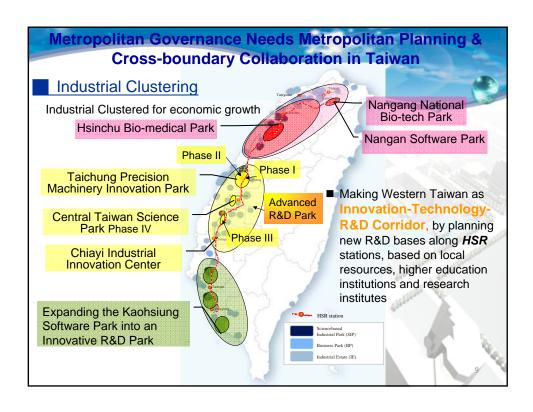
Sharing Talents & Clustering Service Industries

Taiwan's economic development has moved from investment-driven to innovation-driven; move on toward knowledge-driven in the future, with sharing man power, R&D for clustering service industries in metropolitan area are important.





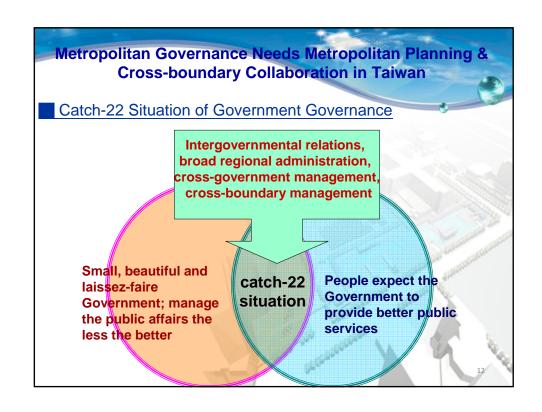




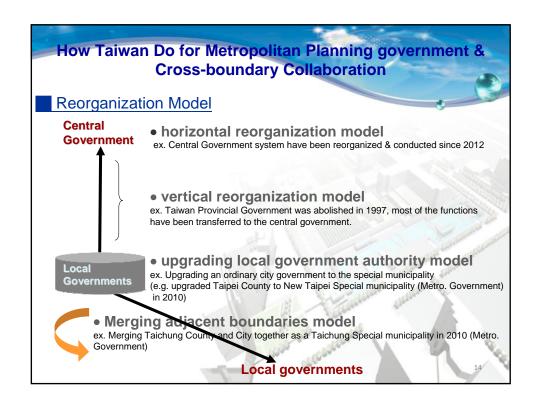
Metropolitan Governance Needs Metropolitan Planning & Cross-boundary Collaboration in Taiwan

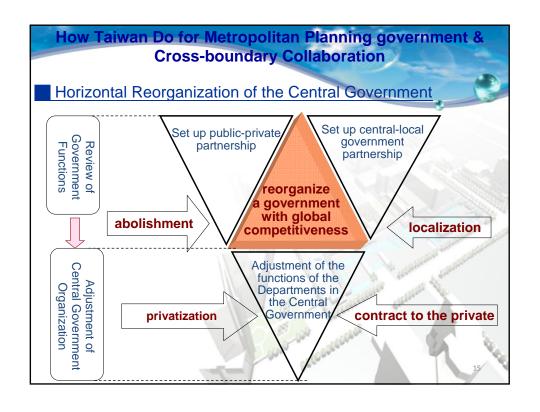
- Regional Development Issues and Expectations
 - environmental protection: ecological environment and resources destructed by improper development
 - proper regional spatial planning: lacking effectiveness and efficiency of the spatial arrangement
 - social equity: lacking social harmony and common consensus
 - urban transformation: the need for sustainable development, regeneration and economic growth
 - promoting city competitiveness: lacking natural resources, need to upgrade local characteristics for promoting competitiveness
 - local collaboration: vertical and horizontal interaction among the different governments, internal coordination between various departments, and public relationship with the ordinary citizens

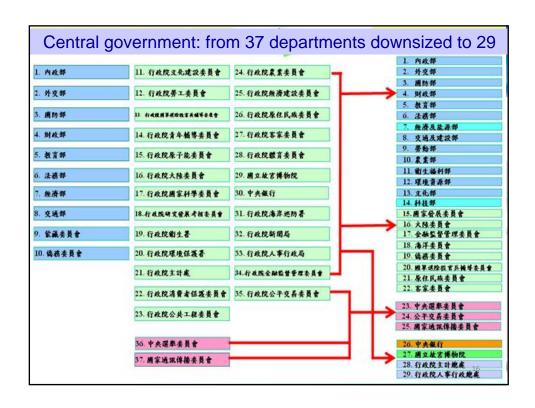












How Taiwan Do for Metropolitan Planning government & **Cross-boundary Collaboration**

Formulate a Special Municipality as a Metro. Government

Local Government Act: metropolitan area may establish special municipality (promulgated in 1999)

Regions with population of not less than one million and two hundred fifty thousand (1,250,000) and have special requirements in their political, economic, cultural, and metropolitan developments may establish special municipalities.

How Taiwan Do for Metropolitan Planning government & Cross-boundary Collaboration

Formulate a Special Municipality as a Metro. Government Local Government Act: merge counties /cities together into a special

municipality (added and promulgated in 2009)

- For the purpose of the needs of national spatial planning and balanced development of the different regions, local governments can be upgraded into special municipalities or merged with other special municipalities or counties / cities into a special municipality.
- It shall formulate plans for changes and consult with the relevant local governments, and submit the plan to the central government for approval. The plan mainly includes:

 - →Name of the new special municipality; →Scope, population, and areas of the administrative districts before and after the change into a special municipality;

 Topographic map indicating the boundaries of the administrative regions before
 - and after the change;
 - Assessment of the impact on the local politics, finance, economy, culture, metropolitan development, and transportation after the change;
 → Plans of the relevant agencies and schools with regards to their change in organizational structure, operations, personnel transfer, asset transfer;
 → Guidelines of the relevant agencies and schools with regards to budget formulation and implementation after the change.

 - formulation and implementation after the change.

How Taiwan Do for Metropolitan Planning government & Cross-boundary Collaboration

Encourage Local Collaboration

Local Government Act: the ways of collaboration and priority for collaborative projects (added and promulgated in 2010)

- The ways of collaboration: For the purpose of facilitating resources use, or improving the resident's well-being, a local government may together with other local governments, establish organizations for regional collaboration, enter into agreements or use other methods of collaboration. Approval from the relevant councils shall be required.
- Priority for collaborative projects: In relation to construction plans proposed by the local
 government that involves different regions or the regional collaboration, the higher-level
 competent authority shall provide priority financial or other necessary assistance.
- Administrative agreements: When a local government enters into administrative agreements with other local governments, the following shall be clearly indicated in the agreement:
 - 1. Parties to the administrative agreement.
 - 2. Scope and methods of collaboration.
 - 3. Basis for the allocation of expenses.
 - 4. Period of collaboration.
 - 5. Preconditions for the agreement to take effect, when the agreement start to take effect.

How Taiwan Do for Metropolitan Planning government & Cross-boundary Collaboration

Spatial Structure recommended by National Spatial Plan

3 living circles

Northern City-region

Central City-region

Southern City-region

7 development regions

Taipei, New Taipei, Keelung, Ilan region;

Taoyuan, Hsinchu, Miaoli region;

Taichung, Changhua, Nantou region;

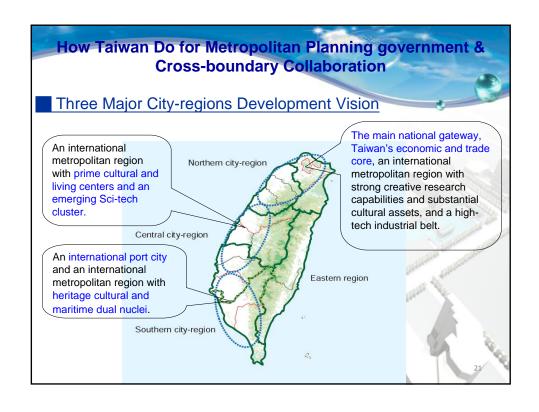
Yunlin, Chiayi, Tainan region;

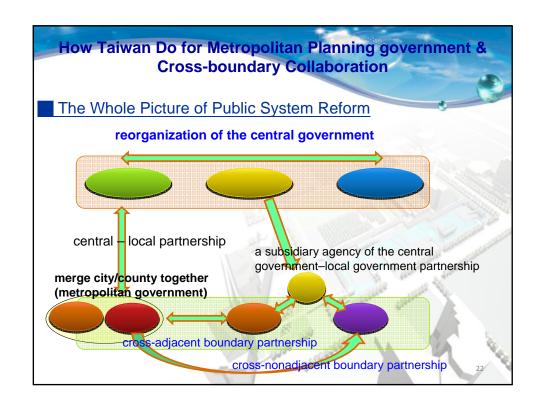
Kaohsiung, Pingtung region;

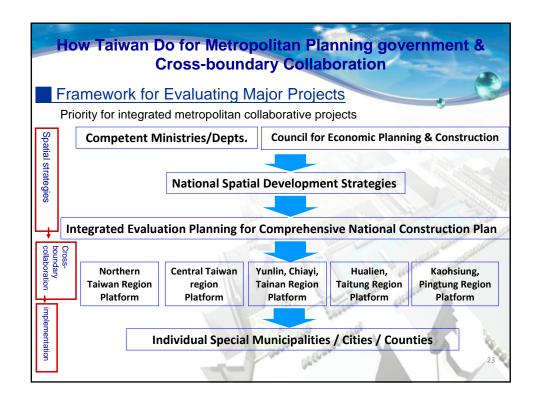
Hualien, Taitung region;

Penghu, Kinmen, Lienchiang region.

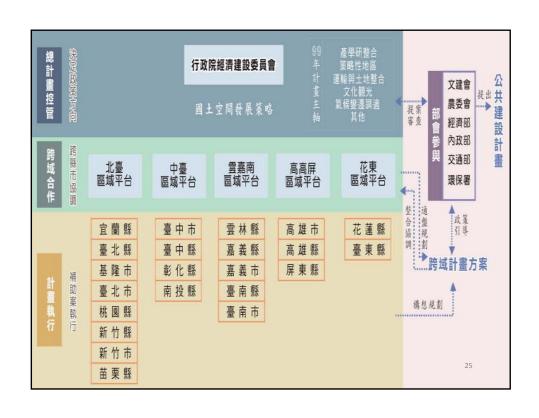








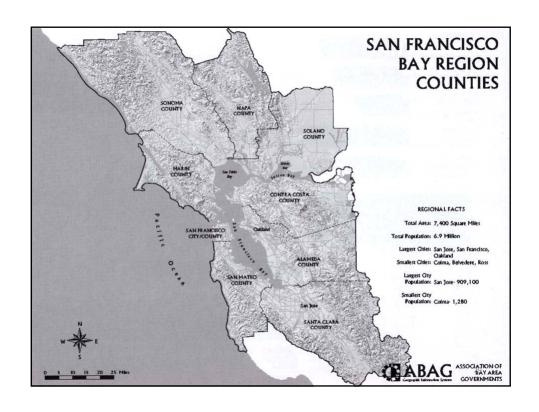


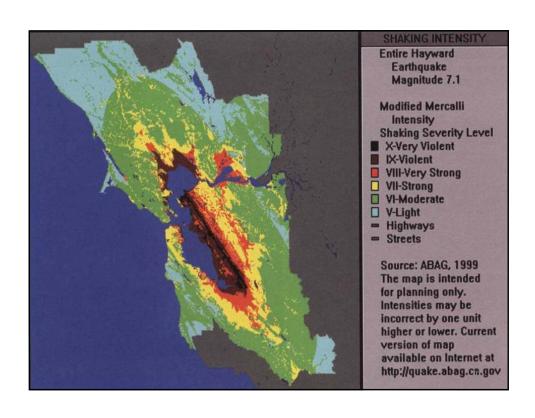


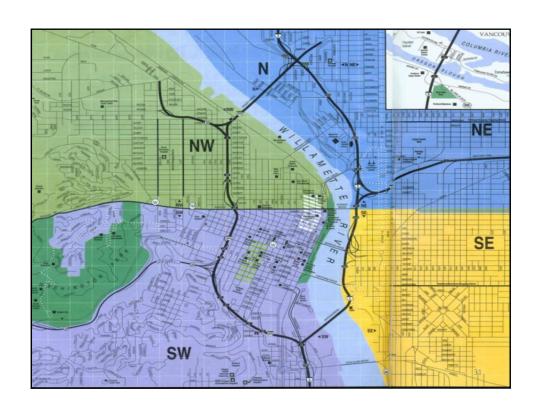
Cases of Metropolitan Planning government & Crossboundary Collaboration in UK, USA Examples of local collaboration for metropolitan planning Greater London Association of Bay Area Metropolitan Service District. example Authority, GLA Governments, ABAG **METRO** 101 cities, 9 counties, 7mi. 1.3 million residents, 24 cities, member 33 boroughs & city, pop., 19,000km² in the San in Portland Metropolitan Area 1579 km² of Greater Francisco Bay Area London. type Elected strategic Metropolitan Planning Elected metropolitan government for agency formed by local government metropolitan London agreement Strengthen cooperation and Growth management, provide mission Improve the coordination between coordination among local regional coordination and set governments regional standards the local authorities function Coordinate land use Limited statutory authority, Provide a regional land use, solve local differences long term growth planning, produces a strategic London Plan, through workable management, transportation planning, make sure local local councils are compromises legally bound to planning coordinated comply with the plan. metropolitan area.

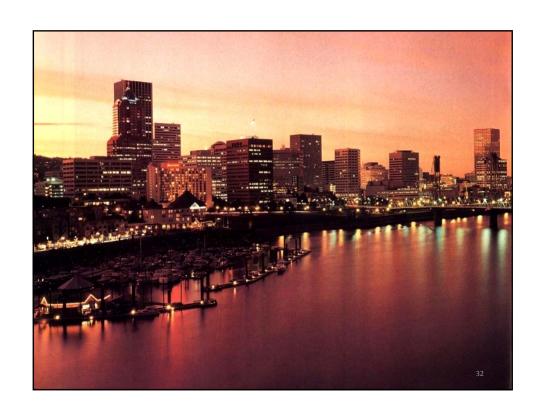
Item	Structure	Responsibility	Conflict-solving approach
Great London Authority	Since 2000 New & unique form in UK Selected strategic government Integrated & flexible model Mayor: executive role; Assembly: scrutiny role Mayoral appointments should be subject to the Assembly's approval	Integrated transport strategy Supervise police services Fire service's strategy Economic development & regeneration funding Strategic planning Promote health Environmental strategy Cultural strategy	As partners work with local level and service providers Develop a common framework as guidance Assembly balances on the Mayor's execution Assembly is empowered to make suggestions to parties Public participation, subregional partnerships, local achievements
Association of Bay Area Governments	Since 1961 One of regional planning agencies across USA Organized by agreements Advisory organization The General Assembly is the governing body Each member city/county designates a representative Committees appointed by the Executive Board	Protect local control Promote cooperation on metropolitan issues Provide low-cost services, e.g. data analysis, specialized training programs Appoint advisory committees and task force to oversee special programs Provide a forum	Explore regional issues Provide a forum to resolve local differences Advisory committees, task force and partnerships formed to solve conflicts Delegate has one vote A majority of votes are basic for implementation Coordinating communities, e.g. partnership, financial and technical support to new collaborative efforts

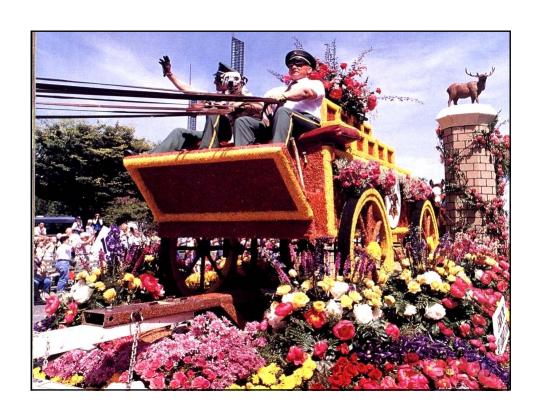
Metropolitan Service District	1. Since 1978 2. Unique form in USA 3. Transited from an appointed council 4. Elected regional government 5. The Council is the governing body 6. Elected executive officer to execute the council's policies	1. Future vision for a desired quality of life 2. Regional framework plan: transportation, urban growth boundary, natural resources, housing density, urban design & settlement patterns, open space & recreational facilities, water sources, coordination to land use planning 3. Priority and funding of regional planning activities	3. The council appropriate funds
Taipei	No strategic government Temporary and functional joint-project committees formed at local level	No integrated strategic plan and enforcement power Negotiation based on the joint-project	By local's willingness or agreements Mediation & Placation made by upper level

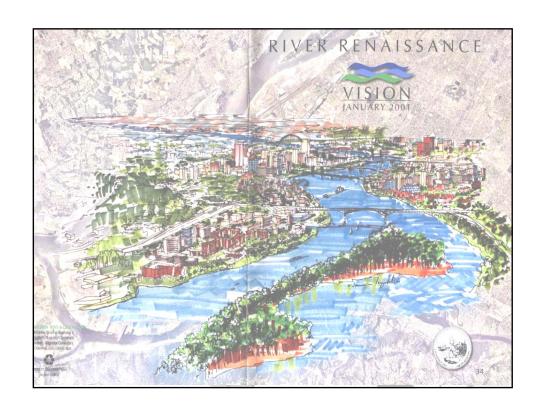


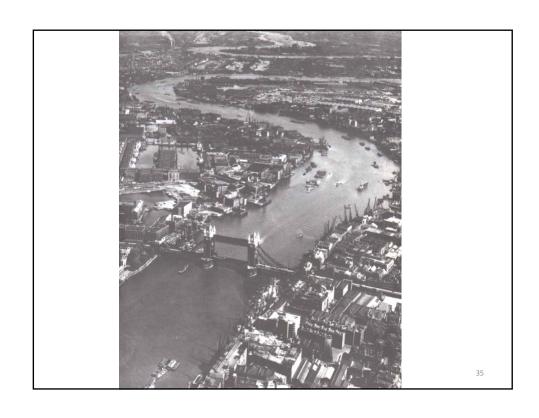










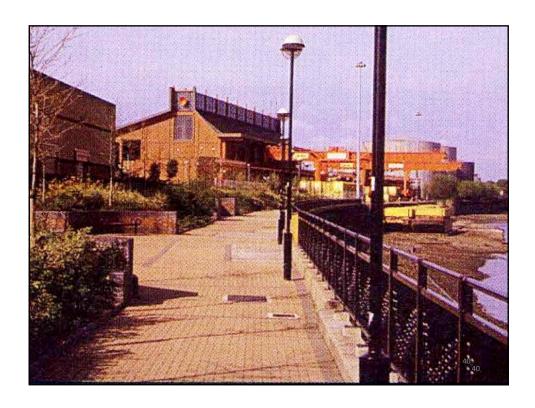














Case of Taichung Special Municipality

Demographics

- Population stably increased in Taichung City/county
- Average population growth rate of Taichung City/County (0.96%) was higher than that of the Central Region as a whole (0.33%) in recent 10 years

	Central Re	gion _	Taichung city		Taichung county		Taichung city/county	
year	人口數(人)	增加率 (%)	人口數 (人)	增加率 (%)	人口數 (人)	增加率 (%)	人口數 (人)	增加率 (%)
1998	5,541,561	-	917,788	-	1,467,579	-	2,385,367	-
1999	5,577,719	0.65	940,589	2.48	1,481,406	0.94	2,421,995	1.54
2000	5,615,237	0.67	965,790	2.68	1,494,308	0.87	2,460,098	1.57
2001	5,645,982	0.55	983,694	1.85	1,502,274	0.53	2,485,968	1.05
2002	5,669,529	0.42	996,706	1.32	1,511,789	0.63	2,508,495	0.91
2003	5,688,007	0.33	1,009,387	1.27	1,520,376	0.57	2,529,763	0.85
2004	5,700,922	0.23	1,021,292	1.18	1,527,040	0.44	2,548,332	0.73
2005	5,712,488	0.20	1,032,778	1.12	1,533,442	0.42	2,566,220	0.70
2006	5,726,543	0.25	1,044,392	1.12	1,543,436	0.65	2,587,828	0.84
2007	5,740,700	0.25	1,055,898	1.10	1,550,896	0.48	2,606,794	0.73
2008	5,752,831	0.21	1,066,128	0.97	1,557,944	0.45	2,624,072	42 0.66
average		0.33		1.51		0.60		0.96

Case of Taichung Special Municipality

Industrial Economy by region

- ♦ industry & commercial census in 2006 by City/County
- Taichung city: a growth rate of total production increased by 41.68% in recent 5 years
- Taichung county: a growth rate of total production increased by 59.45% in recent 5 years
- Taichung city/county: accounted 46.19% of the total production of the Central Region

region	Total production in 2001 (NTD 1000)	Total production in 2006 (NTD 1000)	Rate of the total production in 2006	Growth rate 2001- 2006 (%)				
Taiwan	17,017,585,786.00	23,911,957,891	100.00	40.51				
Northern region	11,927,695,694.00	15,476,877,834	64.72	29.76				
Southern region	2,631,998,681.00	4,386,509,342	18.34	66.66				
Eastern region	95,032,885.00	127,694,666	0.53	34.37				
Central region	2,362,858,526.00	3,920,876,049	16.40	65.94				
	Central region							
Miaoli County	205,500,134.00	308,793,918	7.88	50.26				
Taichung county	648,866,789.00	1,034,649,439	26.39	59.45				
Taichung city	547,889,139.00	776,266,759	19.80	41.68				
Nantou County	111,578,548.00	155,494,628	3.97	39.36				
Changhua county	562,583,601.00	849,296,458	21.66	50.96				
Yunlin county	286,440,315.00	796,374,847	20.31	178.02				
Taichung city/county	1,196,755,928.00	1,810,916,198	46.19	51.32				

Case of Taichung Special Municipality

Political boundaries, population and areas before and after Taichung City
/County merged (accounted by 2009)

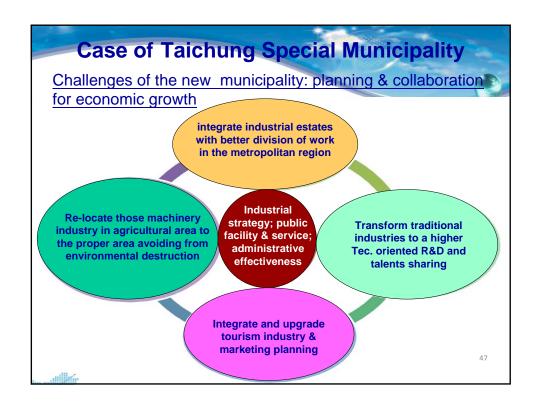
Items	Before	merged	After merged
	Taichung County	Taichung City	Taichung Special City
Population	1,559,454	1,068,537	2,627,991
Area (KM²)	2,051.4712	163.4256	2,214.8968
No. of township	21	8	29
No. of village	411	214	625
Pop. density (pop./km²)	760	6,538	1,187

Case of Taichung Special Municipality

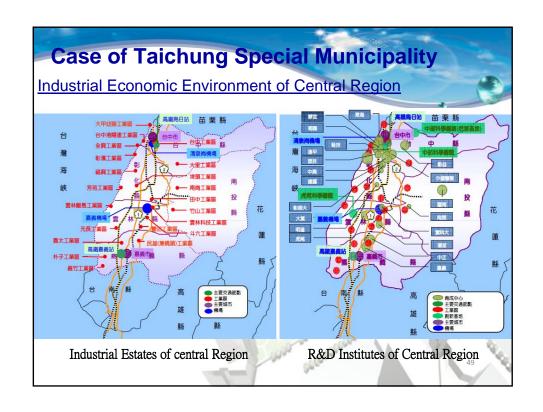
Change of the number of councilor in City/County and Township after merged (accounted by 2009)

Items	Before merged		After merged	
	Taichung County	Taichung City	Taichung Special city	
No. of councilor in City/County	57	46	52	
No. of councilor in Township	282	and O	0	

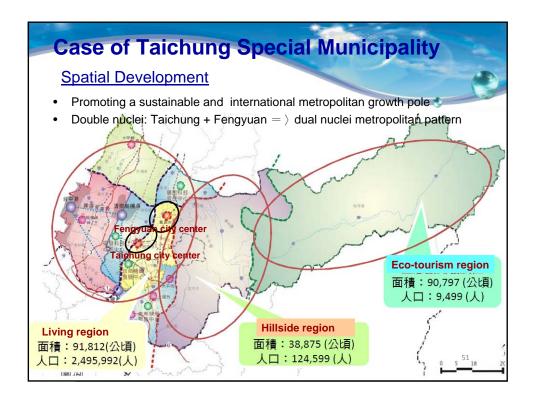
Item		Taichung County	Taichung City	Special Municipality	
Popula	ation in 2009	1,559,178	1,070,145	2,629,323	
Land Urban land area Non-urban land		34,664.63 hec	16,342.56 hec	51,007.19 hec	
		17,477.09hec	0	17,477.09hec	
	Total	205,141.72 hec	16,342.56 hec	221,484.28 hec	
No. of Township		21	8	29	
Financ	cial revenue	NT\$ 21.656 billion	NT\$ 19.754 billion	NT\$ 63.024 billion	
No. of	School	U6, SH27, JH46, P166	U12, SH18, JH24, P66	U18, SH45, JH70, P232	
Econo	my	No. of factory:13,002 No. of com. store:62,498 Agricultural product:18.2bi	No. of factory:3,318 No. of com. store:26,190	No. of factory:16,320 No. of com. store:88,688 Agricultural product:18.2bi	
Transportation		Seaport, airport, highway, HSR sta. railway sta.	Highway, railway sta.	Seaport, airport, highway, HSR sta. railway sta	
Target population in urbanized area		1.61 million	1.32 million	2.93 million	
Residential area		5,306 hec	4,043 hec	9,349 hec	
Commercial area		444 hec	501 hec	945 hec	
Industrial area		1,916 hec	660 hec	2,576 hec	
Public facility area		5,559 hec	5,169 hec	10,728 hec	











Conclusion

- The catalyst of metropolitan planning and regional collaboration is "mutually beneficial & pooling of interest for the local governments"
- Local governments each other has a common view & sincere intention of driving toward a collaborative planning
- Local leaders have to realize their responsibilities for solving the conflicts between individual locality, changing self standpoint, seeking resolution, establishing effective communication system each other
- Building a collaborative atmosphere in the initial stage, searching for local political and civilian supports, cultivating people with a macro regional view, making gradual mutual-believing for establishing a long term collaborative mechanism.

