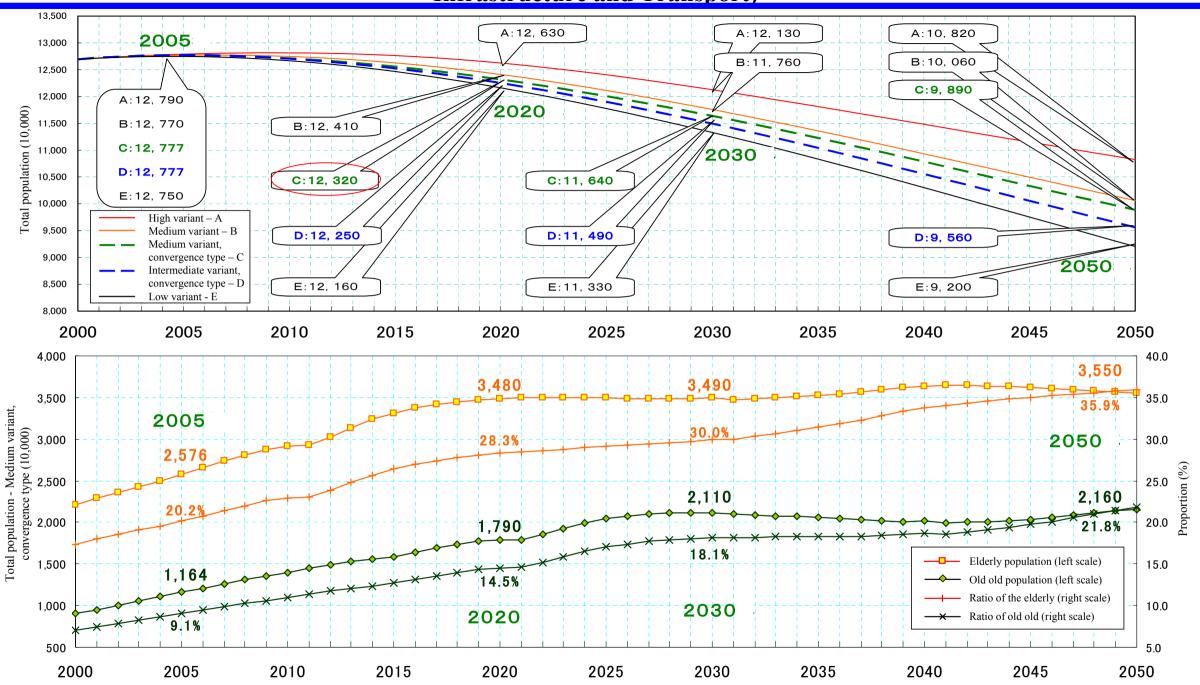
Future Population Projection (Estimates by National and Regional Planning Bureau, Ministry of Land, Infrastructure and Transport)



Source: National Institute of Population and Social Security Research, "Future Population Projections for Japan (January 2002)"; Ministry of Internal Affairs and Communications, "National Census Report"; Ministry of Land, Infrastructure and Transport, "Annual Report on Current Population Estimates"

(Note 1): The "medium variant, convergence type" refers to a population estimated on the assumption that the disparity between the total fertility rate used in calculating the medium variant and the latest statistical value will converge in 2030.

(Note 2): The "intermediate variant, convergence type" refers to a population estimated based on the intermediate value between the "medium variant, convergence type" and the "low variant, convergence type" refers to the population estimated on the assumption that the disparity between the total fertility rate used in calculating the low variant and the latest statistical value will converge in 2030. (Note 3): The ratio of the elderly refers to the ratio of the elderly (aged 65 and older) to the total population, and the ratio of old old (aged 75 and older) to the total population.

# Future Population Estimate by Wide-Area Bloc (Estimates by National and Regional Planning Bureau, Ministry of Land, Infrastructure and Transport)

The following is a table of provisional value estimated by the National and Regional Planning Bureau of the Ministry of Land, Infrastructure and Transport on the basis of the result of the first basic complete tabulation of the National Census conducted in 2005. We plan to estimate again following the release of "Future Population Projections for Japan" by the National Institute of Population and Social Security Research schedule by the end of the year.

(Unit: 10,000 people)

			Tohoku Region	National Capital Region	Chubu Region	Hokuriku Region	Kinki Region	Chugoku Region	Shikoku Region	Kyushu Region	National	Northern Kanto + Banetsu	Chubu Regiona + Hokuriku Region	Chugoku Region + Shikoku Region
	2000	Population	1,229	4,132	1,699	313	2,086	773	415	1,345	12,693	1,162	2,012	1,189
Actual figure	0005	Population	1,207	4,238	1,722	311	2,089	768	409	1,335	12,777	1,154	2,032	1,176
	2005	(Changes from 2000)	-1.8%	2.6%	1.3%	-0.7%	0.2%	-0.7%	-1.6%	-0.7%	0.7%	-0.7%	1.0%	-1.0%
	2010	Population	1,170	4,300	1,720	300	2,070	750	400	1,310	12,710	1,130	2,030	1,150
Recent trend (Net migration		(Changes from 2005)	-3.0%	1.4%	0.0%	-2.0%	-1.0%	-2.0%	-2.9%	-1.7%	-0.5%	-1.9%	-0.3%	-2.3%
rate (fixed) in 2000-2005)	2020	Population	1,080	4,320	1,680	290	1,980	710	370	1,240	12,320	1,070	1,970	1,070
		(Changes from 2005)	-10.6%	1.9%	-2.3%	-8.2%	-5.2%	-7.8%	-10.5%	-6.8%	-3.6%	<b>-7.6</b> %	-3.2%	-8.8%
	2010	Population	1,190	4,240	1,720	310	2,080	760	400	1,320	12,710	1,140	2,030	1,160
Net migration		(Changes from 2005)	-1.4%	0.0%	-0.2%	-1.0%	-0.4%	-1.2%	-1.8%	-0.9%	-0.5%	-0.9%	-0.3%	-1.4%
rate (zero)	0000	Population	1,140	4,130	1,670	300	2,020	730	380	1,280	12,320	1,100	1,970	1,110
	2020	(Changes from 2005)	-5.7%	-2.5%	-2.9%	-5.0%	-3.4%	-5.3%	-6.9%	-4.1%	-3.6%	-4.3%	-3.2%	-5.9%

(Note1): The "recent trend" refers to counting when the prefectural population migration rate is fixed at its recent (2000-2005) coefficient, and the "net migration rate (zero)" refers to counting when the prefectural population migration rate is fixed at zero percent.

(Note 2): The estimated population corresponds to the total population estimated based on the medium variant, convergence type (the medium variant used by the National Institute of Population and Social Security Research whose deviation from the latest statistical value is assumed to converge in 2030).

(Note 3): Populations other than the actual population are in units of 100,000 persons. The ratios were calculated based on the actual numbers of the populations.

# Population, GDP, and Area of Wide-Area Blocs

Population (200	(05)	
-----------------	------	--

1 opulation (2003)								
Country	Population (100,000)							
Japan	12, 776							
U.K.	5, 967							
South Korea	4, 782							
National Capital Region	4, 237							
Malaysia	2, 535							
Kinki Region	2, 089							
Chubu Region	1, 722							
Holland	1, 630							
Kyushu Region	1, 335							
Tohoku Region	1, 207							
Portugal	1, 049							
Belgium	1, 042							
Hungary	1, 010							
Sweden	904							
Austria	819							
Chugoku Region	768							
Switzerland	725							
Hokkaido	563							
Denmark	543							
Finland	525							
Norway	462							
Singapore	433							
Shikoku Region	409							
Hokuriku Region	311							
ca): Compiled by the National an	d Dagianal Dlanning Dur							

#### GDP (2003)

Country	GDP (Nominal, US \$100 million) 42, 426					
Japan						
U.K.	18, 076					
National Capital Region	15, 818					
Kinki Region	6, 807					
Chubu Region	6, 180					
South Korea	6, 081					
Holland	5, 128					
Kyushu Region	3, 751					
Tohoku Region	3, 574					
Switzerland	3, 218					
Belgium	3, 047					
Sweden	3, 016					
Austria	2, 552					
Chugoku Region	2, 427					
Norway	2, 206					
Denmark	2, 111					
Hokkaido	1, 682					
Finland	1, 618					
Portugal	1, 472					
Shikoku Region	1, 155					
Hokuriku Region	1, 062					
Malaysia	1, 037					
Singapore	924					
Hungary	821					

#### Area

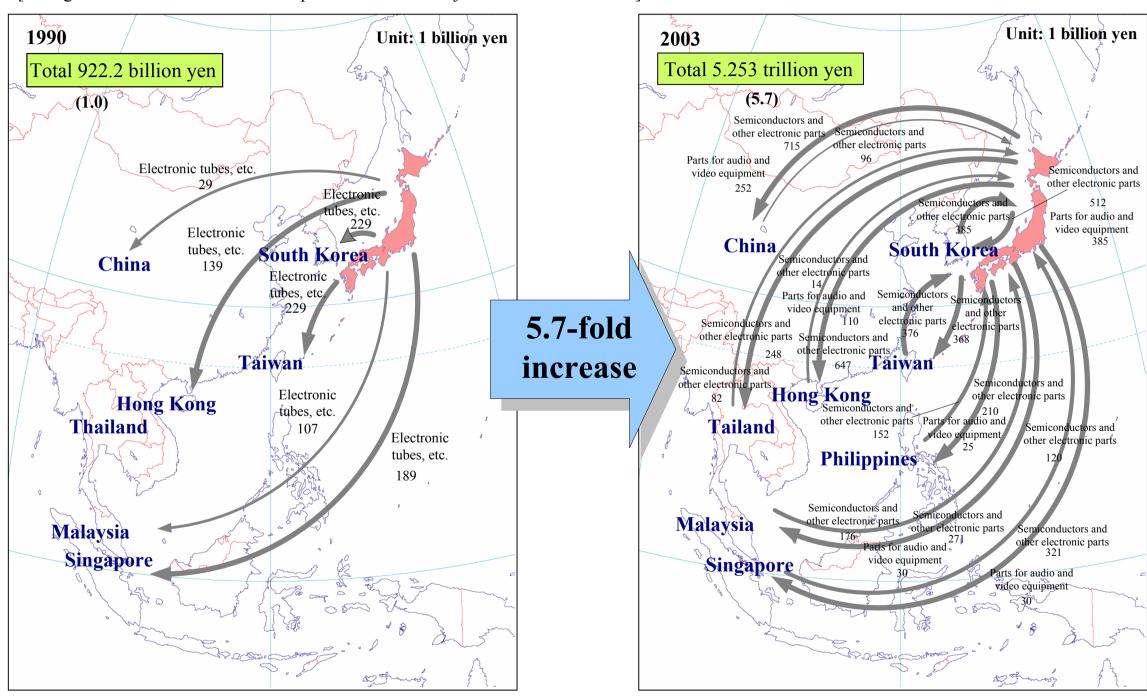
Area (10,000 km <sup>2</sup> )
45. 0
38. 5
37. 8
33. 8
33. 0
24. 3
10. 0
9. 3
9. 2
8. 4
8. 3
7. 4
4. 3
4. 2
4. 1
4. 1
3. 9
3. 6
3. 2
3. 1
2. 7
1. 9
1. 1
0. 1

(Source): Compiled by the National and Regional Planning Bureau, Ministry of Land, Infrastructure and Transport on the basis of "Population Census (2003)"; Cabinet Office, "Prefectural Accounts"; Geographical Survey Institute's materials (2005) and "World Statistics." The population of each country is based on the estimated mid-year population in the "2005 World Statistics" and the exchange

rates are those in the "2003 World Statistics."

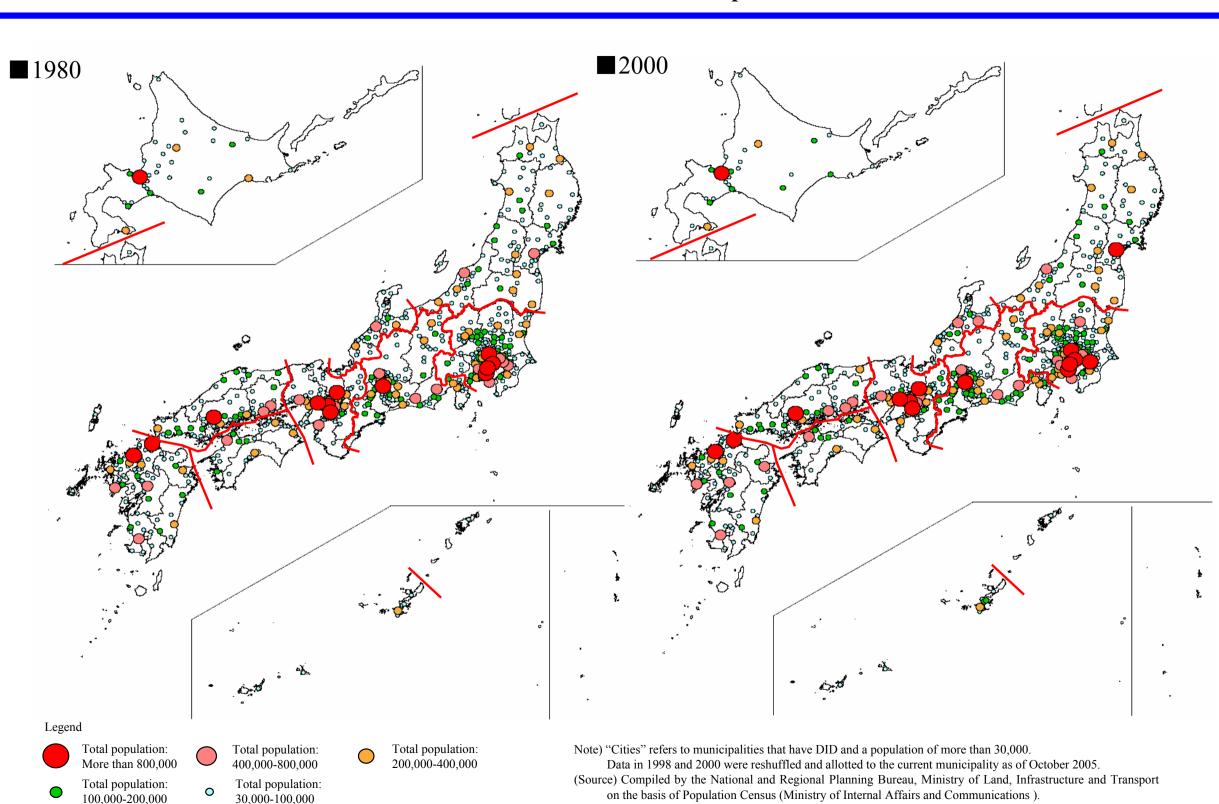
# Increased Movements of Goods in East Asia and Examples of Two-Way Trade

[Changes in the amount of electronic parts traded with major East Asian countries]



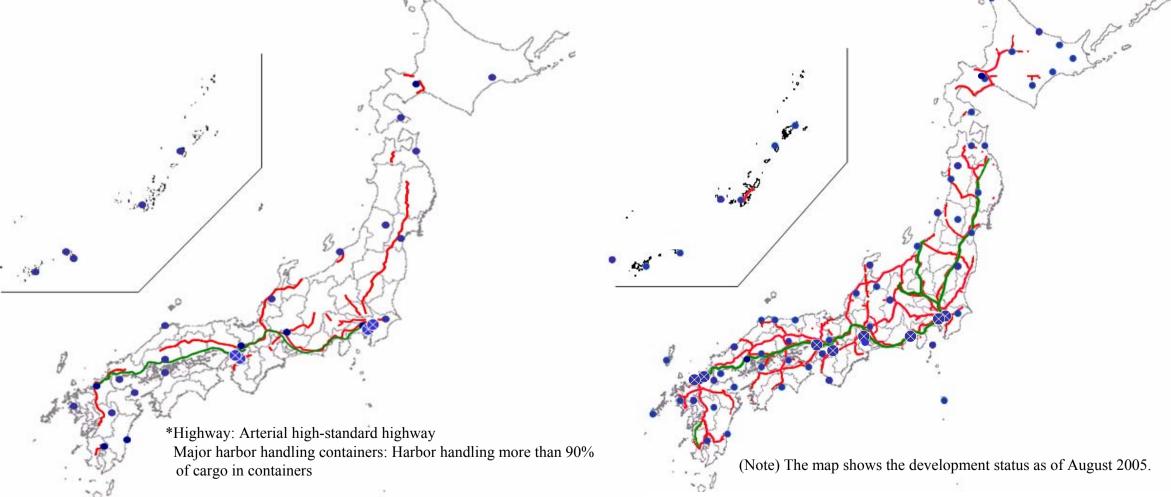
(Source): Final report on comprehensive transportation system to support the "two-layered wide zone," a new form of the country (May 2005)

# **Distribution of Cities in Japan**



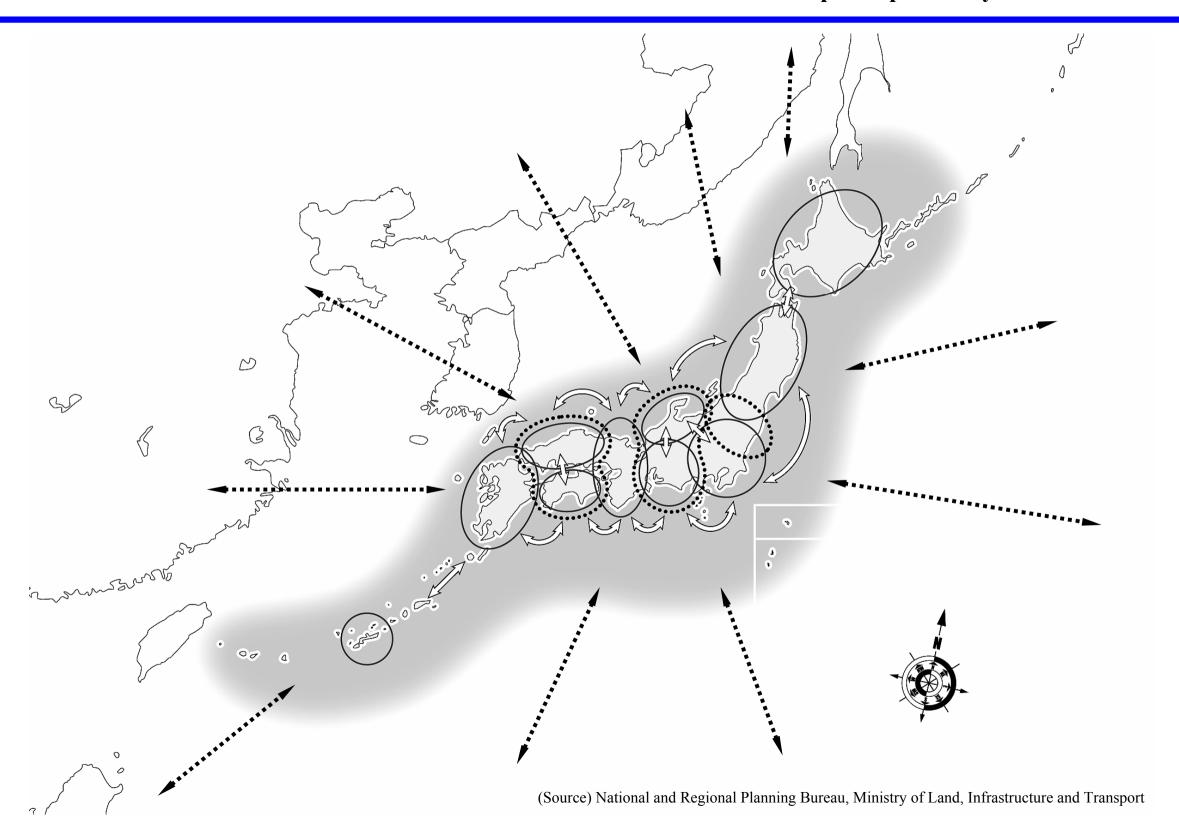
# Changes in the Development Status of Transportation-Related Social Infrastructure

1000				2005		
1980	Year developed	Total langth/place		2005	Legend	Total length/place
	~ 1980	- Total length/place			Legena	Total length place
Highway		2,579.1 (km)		Highway		8,744 (km) As of August 2005
Bullet train		1,069 (km)		Bullet train		2,176 (km) As of August 2005
Airport for jet plane	•	27 places		Airport for jet plane	•	62 places As of March 2005
Major harbor handling containers	8	4 places		Major harbor handling containers	8	8 places As of 2003
-						
;; <b>*</b>		Jes.	· Affic			Town of the state

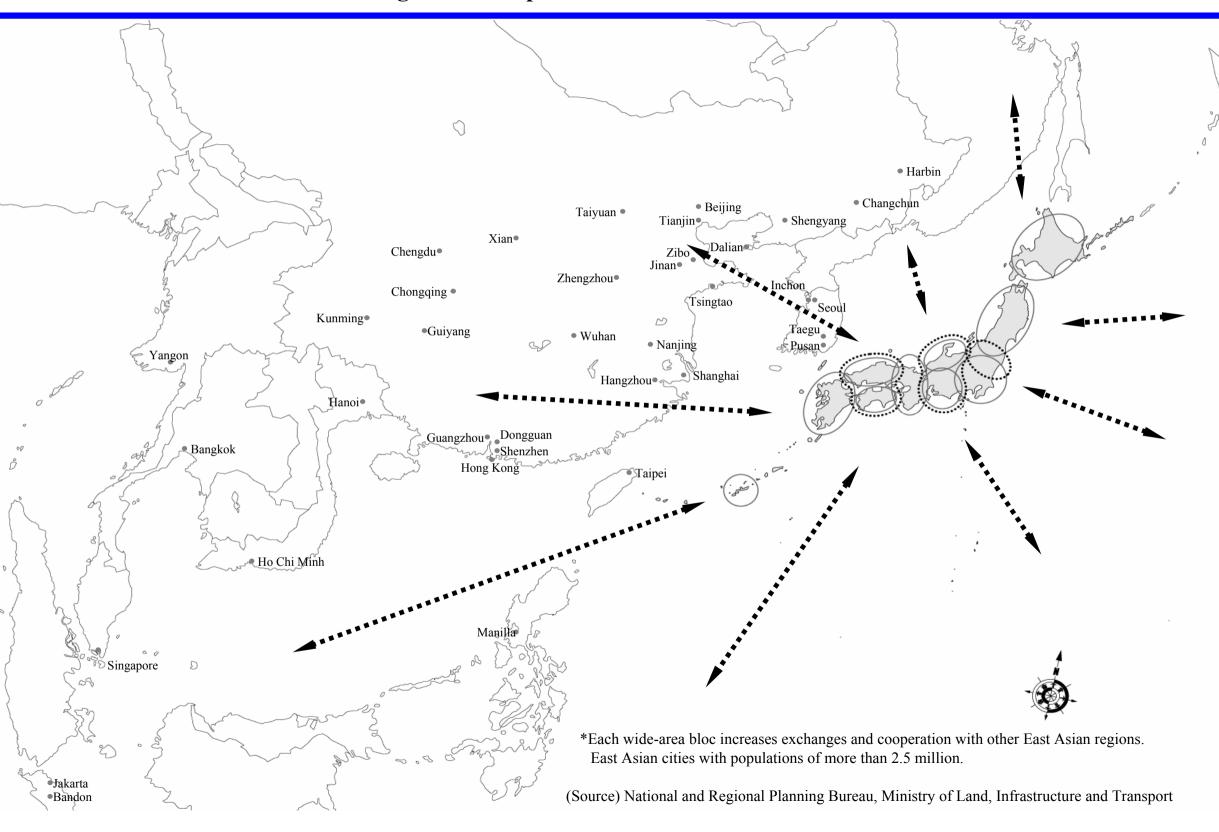


(Source) Compiled by the National and Regional Planning Bureau, Ministry of Land, Infrastructure and Transport on the basis of report by subcommittee of National Land Council; Materials for road-related budgetary request for FY2006; Railway in figures 2005; Aviation in figures 2005; materials by Ports and Harbours Bureau, Ministry of Land, Infrastructure and Transport

# National Land Where Diversified Wide-Area Blocs Develop Independently



# **Exchanges and Cooperation with East Asian Countries**



# National Land Infrastructure Supporting a Seamless Asia

#### [Objectives of a seamless Asia]

- ①Development of an Asian broadband environment
- (2) Creation and expansion of a daytrip business zone in East Asia
- 3 Creation and expansion of a overnight freight delivery zone

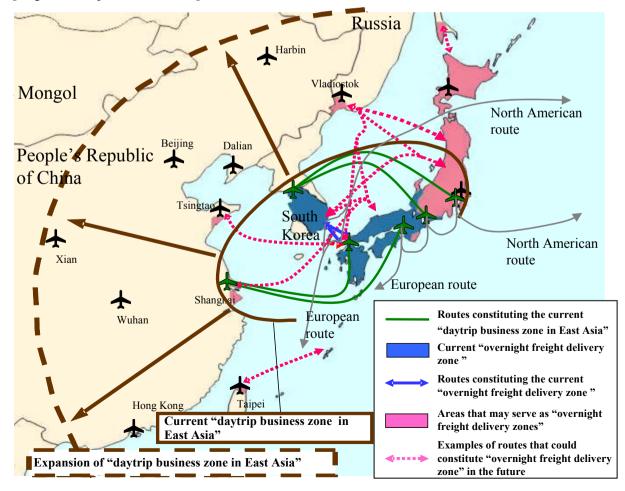
#### [Daytrip business zone in East Asia]

Area where a business person can spend more than 4 hours and return home on the same day

#### [Overnight freight delivery zone]

Area to which cargo that leaves Japan (or other countries) at 6 o'clock in the morning can reach the importing country by 6 o'clock in the evening the next day

#### [Expansion of seamless Asia]



[Promotion of measures to realize a seamless Asia]

(1) Development of transportation and information-communications infrastructure in Japan (both hardware and software)

Creation and enhancement of intermodal transportation network with East Asian countries

☆Connecting Japan with pan-Asian traffic corridors, such as Asian highways and Asian railways, by using high-speed ferries, roll-on roll-off ships, and container liners.

- ①Promotion of simplification, efficiency, and computerization of export/import and harbor procedures
- ②Enhancement of connect functions between domestic railway/road networks and marine transportation

## Creation and enhancement of rapid transit networks with East Asia

★For the time being, efforts will be focused on expanding one-day business trip areas from Asian countries to Japanese metropolitan areas by enhancing the capacity of metropolitan airports, improving convenience at and access to airports, and facilitating the connection between domestic and international flights. In the future, efforts will be focused on promoting daytrip access from various areas in Japan to East Asian cities.

At airport and harbor passenger terminals:

- ①Promotion of simplification and computerization of CIQ procedures
- 2 Promotion of universal designs

#### (2) Creation of Asian unified rules through international cooperation

☆Resolution of border issues involving transportation and information-communications networks, in order to promote the free cross-border movement of people, goods, and information between East Asia and Japan (Institutional adjustment)

- ①Standardization of electronic tags and enhancement of the interoperability of transport machines
- ②Development of unified broadband environment in Asia
- 3 Promotion of the introduction of ITS to Asian highways

#### [Means to realize the measures]

#### **Promotion**

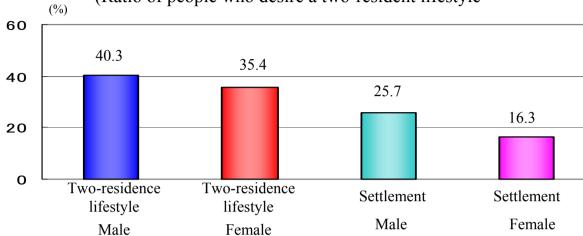
- (1) Focused support for regional bloc strategies toward the realization of a seamless Asia
- (2) Establishment of cooperative framework to promote the realization of a seamless Asia

Establishment of a multinational cooperation framework to promote the development of transportation and information-communications infrastructure, the adjustment of institutions, and the sharing of the basis to compile transportation-related policies, by encouraging meetings of ministers in charge of physical distribution and promoting broadband promotion meetings.

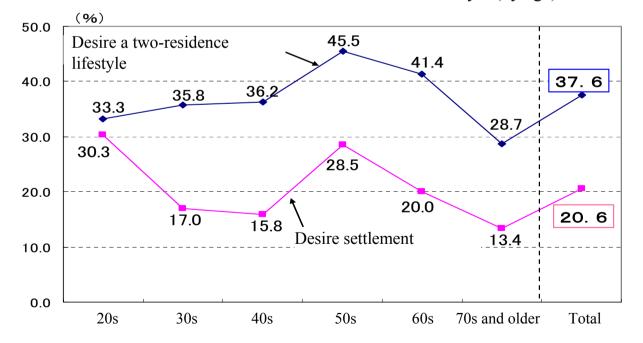
(Source) National and Regional Planning Bureau, Ministry of Land, Infrastructure and Transport

# Desire for a Two-Residence Lifestyle and Its Examples

Desire for settlement or a two-residence lifestyle (by sex) (Ratio of people who desire a two-resident lifestyle



Desire for settlement or a two-residence lifestyle (by age)



(Source) "Public Opinion Survey on Symbiosis and Convection of Urban Cities and Rural Areas" (Feb. 18, 2006)

#### (Note) 1. The desires for settlement and for a two-residence lifestyle are based on a survey of 975 people living in "urban areas."

- 2. The figure is the total of those who "desire" and "strongly desire."
- 3. The "two-residence lifestyle" means living in an urban area on weekdays and in a rural area on weekends.

Examples of efforts to promote the "two-residence lifestyle"

## [Kamishihorocho, Hokkaido]

The "Project to Promote Settlement and a Two-Residence Lifestyle through Development of Imno Resort Kamishihoro," including measures against hay fever, was adopted as one of the projects for the Pilot Model of the Nationwide Urban Renaissance.

#### [Fukuoka, Ibaraki and Tochigi prefectures]

The 21st Century FIT Concept Promotion Council has set up a subcommittee to review the concept and is now studying measures to promote the "two-residence lifestyle" to allow people to come and go between urban cities and rural areas within the FIT zone.

## [Niigata Prefecture]

In order to revitalize its hilly and mountainous regions, the Niigata prefectural government has established the "Niigata Rural Life Promotion Council," which is designed to develop human resources for the development and revitalization of the regions and the recruitment of new farmers through the implementation of the "shigoto-okoshi (job creation)" projects, by capitalizing on deregulation and experimental get-togethers with local people.

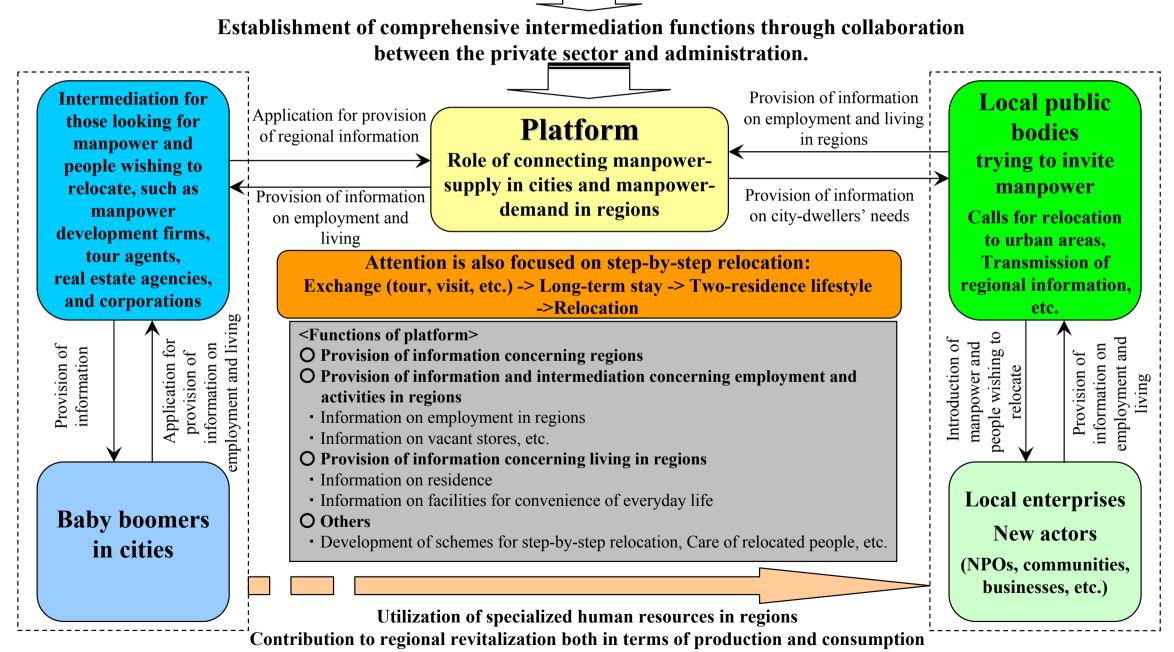
#### [Iiyama city, Nagano Prefecture]

The city government offers a variety of menus for people wishing to experience rural life, including a short-term stay at a tourist home, a long-term stay, or settlement in the area.

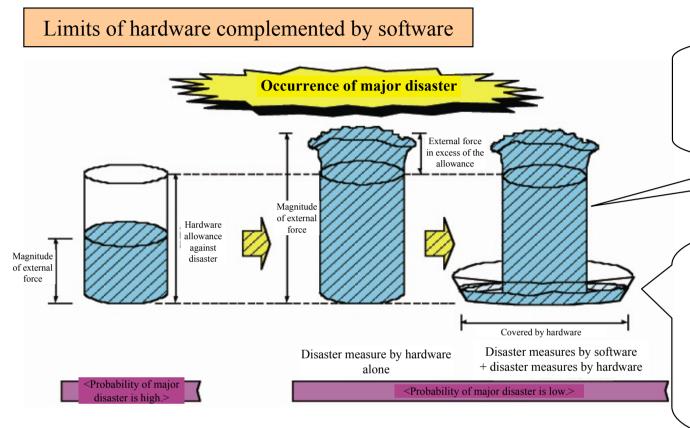
[Taka town (formerly Yachiyo town) in Hyogo Prefecture] The town government offers allotment gardens for enjoying vegetable gardening to city dwellers in Kobe and Osaka.

# Concept of "Information Platform" to Invite and Relocate People to Regions (Image)

There's a limit to what an individual private sector and municipality can do to invite and relocate people due to ① the high cost of intermediating one-by-one and ② inefficiency when providing dispersed information and intermediation.



# Infrastructure Supporting a Disaster-Resistant and Flexible National Land



## Hardware measures

Steady and efficient development of disaster-prevention facilities, effective utilization of existing facilities, maintenance of structures and seismic reinforcement, and enhancement of transportation and information-communications networks to secure redundancy and an emergency transportation system, while taking into account the characteristics of each regional bloc, such as economic, social, and natural conditions

## Software measures

[Before disaster]

Preparation of hazard maps, ensuring evacuation routes and evacuation areas, implementation of emergency drills, stockpiling of food and daily necessities, raising awareness of disaster prevention, diffusion of disaster-prevention education, and fostering regional leaders, etc.

[During disaster]

Transmission of disaster information, issuance of evacuation instructions, etc. [After disaster]

Provision of disaster and safety information, rescue/protection/transfer of victims, establishment of medical and home-returning systems, preparation of equipment and materials, manpower to implement disaster recovery promptly, etc.

Balance of self-help, mutual assistance and public assistance



## Self-help

- "Save one's own life for oneself"
- •Maintaining and raising one's awareness of disaster prevention
- Confirmation of evacuation behavior in advance

## Mutual assistance

- "Protect one's own town for oneself"
- Creation of communities to share disaster information
- Implementation of disaster drills led by regional leaders

#### **Public assistance**

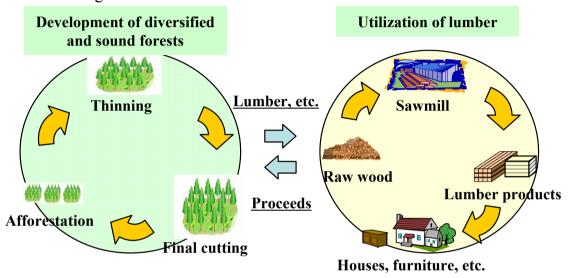
- "Various activities by administrative bodies"
- Establishment of systems for transmission and provision of disaster information
- Implementation of publicity and education, etc. to raise public awareness of disaster prevention

(Source) Materials presented at the 3rd meeting of the Expert Committee on National Land Infrastructure (November 2005)

## Establishment of Material Circulation Where Human Activities Harmonize with Natural Processes

#### **Implementation of proper forest management**

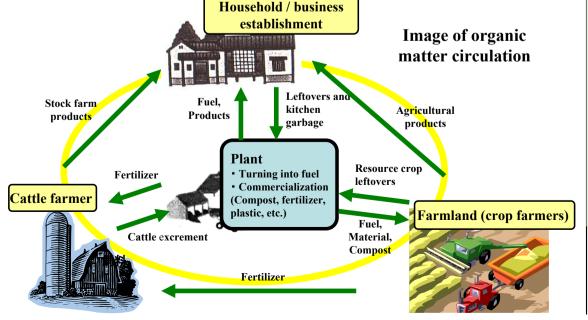
Establishment of a decent forest management cycle by promoting the development of diversified and sound forests and the utilization of lumber made available as a result of forest-thinning



## Conservation land for agricultural use

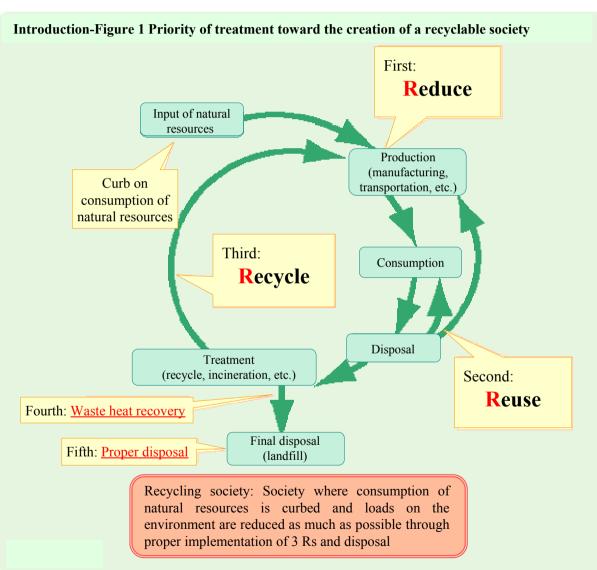
Securing farmland by conserving land for agricultural use

Household / business



## Creation of a recycling society through 3 Rs (reduce, reuse, recycle)

Creation of a recycling society through 3 Rs by promoting efforts to reconstruct joint waste-treatment, resources-recycling, and energy-use systems by more than one municipality



(Source) Ministry of Agriculture, Forestry and Fisheries and Ministry of the Environment

# **Promotion of National Management of National Land**

- There are concerns about the declining level of national land management, such as increases of forests not well taken care of, farmland subject to abandonment of cultivation, and unused or underutilized land
- Therefore, it is necessary to promote efforts to manage and nourish national land by each and every individual in the country by encouraging conservation activities for afforestation and green areas by city dwellers, conservation and improvement activities for farmland and irrigation facilities by local residents, fund-raising and donations, and purchases of local products, as well as through original management of national land.

# Original management of national land



 Proper implementation of original activities, such as timely care and regular patrol by owners

Thinning of the forest. Efforts are being made to make sales methods and businesses efficient so that the burden on owners will not increase (Nagano Prefecture).

# Fostering diversified participants

•Increasing the number of people directly participating in the management of national land by promoting people's participation in volunteer activities, implementing projects to resolve common issues facing regions, and improving conditions to facilitate such activities



Region-wide efforts to conserve and manage farmland and agriculture water (Tochigi Prefecture)

# Realization of appropriate national land management

# Improvement of conditions to promote appropriate management by owners, etc.



• Promotion of understanding of current situations, appeal to owners, and establishment of a system for collective management by community in order to encourage appropriate management by owners, etc.

Implementation of area management to preserve the scenery at the expense of residents (Chiba Prefecture)

# Diversification of method for participating in national land management

• Promotion of efforts that would indirectly lead to national land management, such as donation, financial assistance, and purchase of local agriculture and lumber products



Bag produced by using thinned wood. The bag is highly appreciated at home and abroad for its unique design (Kochi Prefecture)

(Photos: from upper left) White Paper of Forest and Forestry Industry for 2004; Ministry of Agriculture, Forestry and Fisheries; Land and Water Bureau of the Ministry of Infrastructure, Land and Transport; ECOAS Umaji-village Homepage

(Source) National and Regional Planning Bureau, Ministry of Land, Infrastructure and Transport

# Regional Development System Based on the Concept of a "New Public"

Regional development, which has so far been mainly undertaken by administrations, will be transformed into new regional management and regional problem resolution systems based on the concept of a "new public" that

- ① sees not only administrations but also diversified private entities as leaders of regional development,
- 2 through cooperation between administrations and diversified private entities
- ③ provides well-thought-out services by expanding the cooperation to the intermediate areas as well as to the conventional public areas.

# <Up to now>

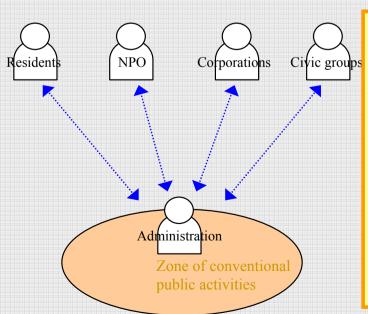
In the conventional public areas, administrative bodies hear opinions from various entities, coordinate the opinions, and then implement measures.

# <From now on> Concept of a "new public"

Different entities carry out activities while promoting mutual enlightenment, discussions, and cooperation. The areas of activities will be expanded beyond conventional public areas. Administrative bodies promote citizen's free and vigorous activities, encourage competition, and, if necessary, provide support to individual entities.

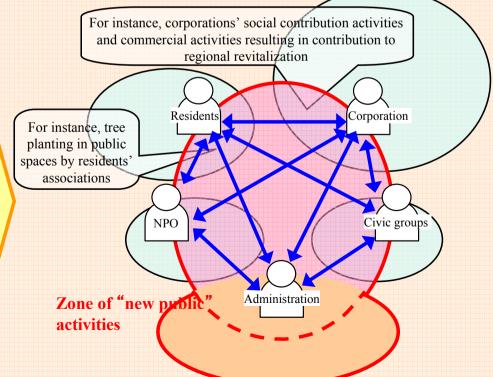
## Significance of "new public"

- ·Participants' self-fulfillment through social contribution
- Fostering of pride in and attachment to regions
- Enhancement of quality of life
- Ensuring security and safety of living and conserving national land
- · Revitalization of regional economy
- Providing opportunity to people aspiring to try it again
- Easing burdens on administration and public finance



#### Movement regarding the "new public"

- Private entities are taking initiative in activities that have so far been undertaken by administrations in conventional public areas. (Example: Management of street clean-up, etc. carried out by residents associations and corporations)
- New activities in intermediate areas where neither administrations nor private entities have been engaged (Bus and taxi operations for the elderly by NPOs, etc. in regions where public transportation is not available)
- Activities that should be undertaken by private entities in conventional private areas but that have public value (Revitalization of central cities by utilizing vacant stores)



(Source) National and Regional Planning Bureau, Ministry of Land, Infrastructure and Transport

# **Examples of Movement Regarding a New Public**

# Private entities are taking initiative in activities in conventional public areas

# **OAdopt system (many)**



Participants in road repaid (Iwata City)

#### [Outline]

Residents, civic groups and corporations are, as "foster parents," engaged in beautification activities, such as clean-up and mowing, in public space (roads, rivers, parks, etc.) on a voluntary basis, viewing such public spaces as their "adopted children," and administrations are supporting such activities.

As of March 2006, more than 260 residents' associations adopted the system. Participants in such activities feel multiple effects of engaging in town development, such as "increased interest in beautification" and "deepening of attachment to their regions."

Iwata City in Shizuoka Prefecture has introduced an "adopt system" that includes simplified road-repair.

# New activities in intermediate areas between public and private areas OBus transportation for community life in Nakagawa village

(Nakagawa village, Nagano Prefecture)

Transportation in sparsely populated districts







Routine-run bus

[Outline]

Welfare transportation service

The bus routes in the village that had been operated by the public sector, on subsidy or on a consignment basis, were reorganized. In addition to village-run circuit buses (drivers are from NPOs) on the main routes, transportation means are available in sparsely populated districts in time zones not covered by the circuit bus. The transportation service in sparsely populated districts was made possible following the deregulation enabling local NPOs to provide "transportation services by family cars on a commercial basis." As a result, every villager has transportation means. In addition, welfare transportation services by local social welfare councils are also available.

Partly thanks to synergy effects, users of circuitrun buses increased by 80% as compared with those before the reorganization.

# Activities in conventional private areas that having public value

# O Obisan-road shopping district (Kochi Prefecture)

Day-care center MaFa

Obisan-road shopping district

#### [Outline]

Revitalization of the shopping district is being aggressively promoted, such as development of a South European-style open mall, citizen's participation in events, and an environment beautification campaign.

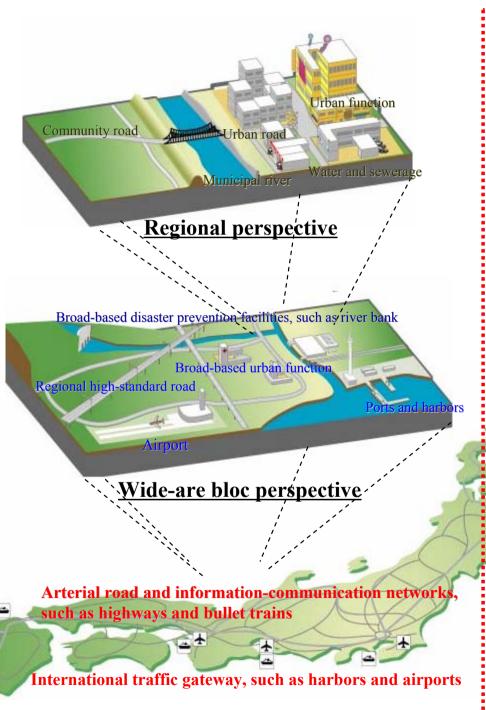
Recently, a day-care center for kids, "MaFa," was opened. The center is also being used by customers from neighboring communities and tourists from other prefectures, as it offers discounts by utilizing stamp services provided by member shops. The ratio of repeat customers is high at 70–80%.

There are plans to expand the role of the center to include babysitting services and to turn it into a child-raising assistance center in the future.

# Points of Regional Development Utilizing Unique Regional Resources

		①Urban area making use of historic townscape	②Interaction with cities by making use of the sea	communities based on scenery and tourism by using historic and cultural	communities based on tourism by		citrus-processed foods as a regional brand	Regional development with independent revenue sources without relying on administrations	transmission and community businesses utilizing information		Outline of public support, etc.
		Nagahama city, Shiga Prefecture	Ohtsuki town, Kochi Prefecture	Obuse town, Nagano Prefecture	Akan town, Kushiro City	Atou town, Yamaguchi Prefecture	Umaji village, Kochi Prefecture	Kushira town, Kagoshima Prefecture	Goutsu city, Shimane Prefecture	Yamagata Prefecture	Contents
A	Discovery, improvement, utilization, and sharing highly competitive regional resources	•	0			•	0	0	0	0	①③: Financial support for the development of scenic streets and public spaces (national, prefectural, and municipal governments) ③: 6th Industry Center ④: National financial support for model pilot programs for introducing new ideas, such as the operation of routine-run buses ⑤: Livestock-processing facilities (support by national government and town office)
	Promotion of activities of outside experts	0	0	0	0	0	0	0	0	0	
В	Scouting people forming the core of a diverse community workforce and loosely organizing them	0	•	0	0	0	0	•	•	0	②⑧: Financial support by the national government to model projects ⑦: Leasing of idle land owned by town offices for the development of bases for interchanges of rural dwellers
	Investment of regional funds through a "Mini Circulation of Funds"	0		0		0	0				
С	Raising funds from corporations in the spirit of corporate social responsibility (CSR) (donations, etc.)	0					0				
	Raising funds through investment by those willing to make social contributions	0	0	0			0		0		
D	Inter-regional transfer/ interchanges and strategic inter-regional cooperation	0	•	0	0	0	0	0	0	0	②: Financial support by prefectural governments for activities to promote larger municipal cooperation
Е	Active utilization of information and communications technology for transmission of regional information		0		•		0		•		(a): National financial support for the introduction of tourism marketing systems utilizing information technology     (a): Support by financial groups for the establishment and operation of websites targeting people wishing to settle down

# Strategic Investment to Develop National Land Infrastructure



# **National perspective**

\* The symbols on the maps do not necessarily show exact locations.

# ~ Resources Allocation Strategy in Wide-Area Bloc ~

## National land infrastructure investment in regions

→Investment to resolve various problems of single prefecture (Examples) Development of sustainable public transportation systems for intra- and inter-city traffic, Improvement of regional production bases, etc.

# National land infrastructure investment under regional cooperation

→Investment to resolve regional problems in wide-area blocs based or wide-area regional plans

(Examples) Disaster prevention, Promotion of sound resources and hydrological cycles, etc.

# National land infrastructure investment under the cooperation between national government and regions

→Investment necessary for the independence of wide-area blocs (Examples) Development of transportation infrastructure for direct interaction and cooperation among wide-area blocs and with neighboring East Asian countries, etc.

→Investment necessary for appropriate maintenance and replacement of national land infrastructure

# Focused perspective

Strategic characteristics, application of local rules, cost effectiveness, soundness of cost recovery, fairness and transparency of process, etc.

## **National support to regions**

→Securing financial resources for investment, Technology development, Manpower development, Handing down of technology, etc.

## Direct investment in national land infrastructure by national government

→Strategic investment for sustainable development of the country (Examples) Creation of international transportation gateway, main transportation and communications network, and nation-wide crisis management network, and countermeasures against global warming, etc.

~ National Resources Allocation Strategy ~

(Source) National and Regional Planning Bureau, Ministry of Land, Infrastructure and Transport