- A New Strategy in Information and Communications Technology (IT) to establish a new society where the citizens hold sovereignty -

◆Basic recognition

○ Transformation of a government-driven (information supplier) society into a citizen-driven society involves a prerequisite – that the government must become more transparent freeing all information that it holds. IT plays a significant role in the transformation process.

○ In a citizen-driven society, knowledge and information are shared at the citizen's level. The society shall become a true knowledge-information society. And the quality of the citizens' lives shall improve dramatically.

○ The new strategy is in no way an extension of the previous strategies. Instead, it is a strategy with focused emphasis (with three areas of objectives) that will support non-linear leaps and bounds in establishing a new society where the citizens hold sovereignty, and should support a continuous growth of the country.

○ In implementing this strategy, we shall thoroughly investigate the reasons why the previous policies have been ineffective. We shall also advance the collaboration among the related governmental agencies and local governments. Our commitment is to implement the IT strategy rigorously throughout the country.

◆Focused emphasis (with three areas of objectives)

(1) Enforcing IT revolution within the government to achieve a citizen-oriented electronic administration in the interest of promoting citizens' sovereignty

(2) Recreating bonding in local communities by taking utmost advantage of IT applications

(3) Creating new markets and expanding them internationally

◆Items for future consideration

May, 2010 Establishing a progress charts specifying schedules of concrete actions and the responsible government agencies in charge to ensure the strategy will be implemented

Thrashing out and overhauling any existing systems that may hamper IT applications

- Developing a citizen-oriented electronic administration -

◆Goals

・ By 2020, all required for the citizens to file applications or obtain certificates will be to make just one stop 24 hours a day, 7 days a week. By 2013, over 50% of the citizens will be able to start using the electronic services through the administration terminal booths installed in convenience stores and such.

・ By 2013 at the national government level (by 2020 over 50% of the local governments), the citizens will be able to monitor the administration and control their own personal information.

・ By 2013 administrative information will be disclosed over the Internet, as a rule, and in formats that will allow secondary use.
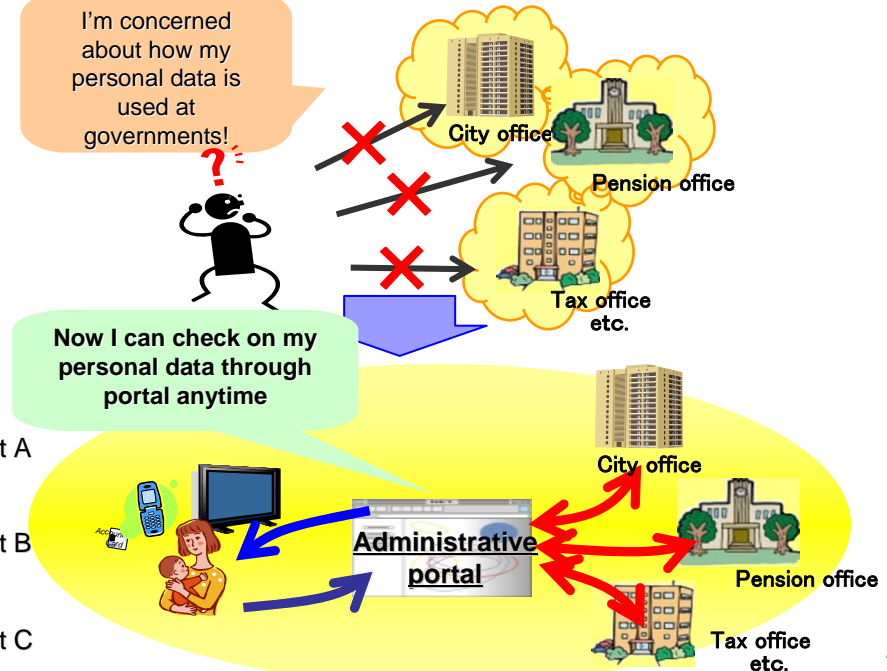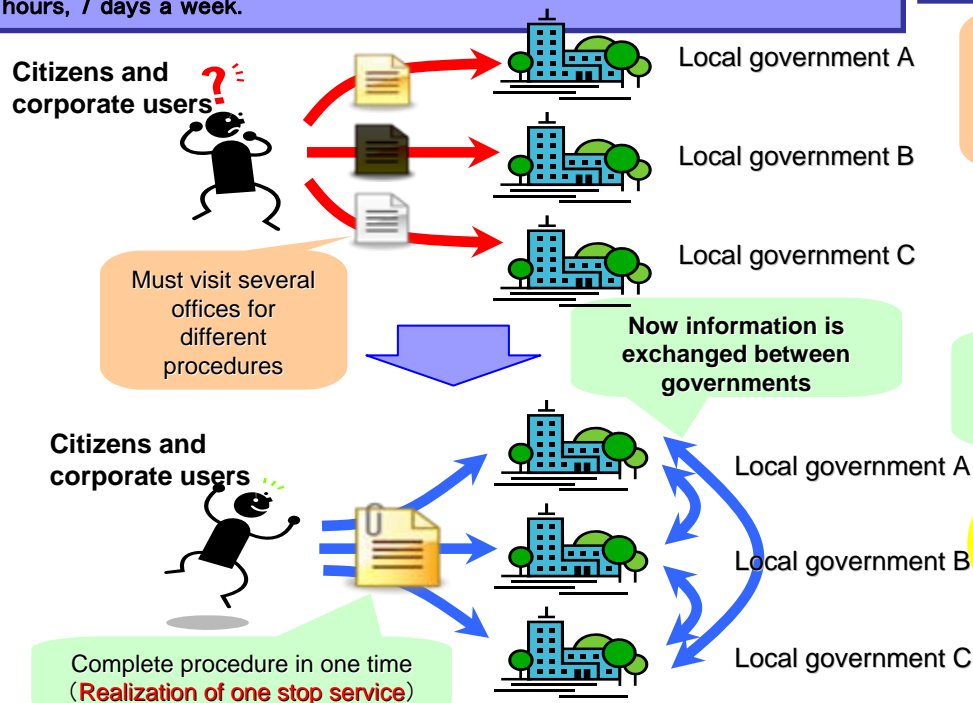
◆Priority Measures

Installing a governmental CIO that will be the commanding post specifically empowered to streamline the administration in conjunction with administrative reforms. The streamlining efforts are to be premised on reviewing the cost-effectiveness of previous IT-related governmental investments.

Developing a citizen identification (ID) system and a system to allow individuals to monitor the administration's use of their own personal data.

Providing on-line or off-line (such as at public administration terminal booths) access to the types of the administrative services which are most beneficial to the citizens (for examples, issuance of the Certificates of Residence) 24 hours, 7 days a week.

Releasing administration-held information in formats that are convenient for secondary use, offering all such information over the Internet as a rule, and in so doing, promoting the creation of new enterprises.

Citizens and corporate users

Local government A

Local government B

Local government C

Must visit several offices for different procedures

Now information is exchanged between governments

I'm concerned about how my personal data is used at governments!

City office

Pension office

Tax office etc.

Now I can check on my personal data through portal anytime

Citizens and corporate users

Local government A

Local government B

Local government C

Complete procedure in one time (Realization of one stop service)

Administrative portal

City office

Pension office

Tax office etc.

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- Recreating bonding in local communities -

◆ Goals

・ By 2020 we shall enable every citizen, regardless of his or her location, to receive high-quality medical services. Also by 2020 all citizens, senior citizens included, shall be able to receive medical and other services right at their homes.
・ By 2020 we shall establish an IT-aided institutional and lifelong educational environment in order to create a society where every citizen may make personal use of IT at will.
・ By approximately 2015, we shall have completed fiber-optic "highways" enabling every household to enjoy a broadband service. The service shall contribute to improvement in medical and other services related to the citizens' daily lives and result in revitalizing their communities.
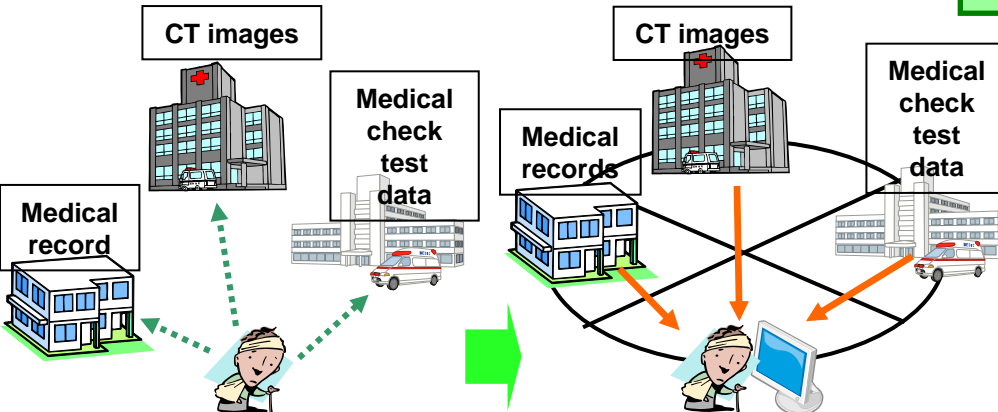
◆ Priority Measures

Promoting various measures, such as: expanding the citizens' media nationally; producing and transmitting hometown content on the community culture, tourism, etc.; and sharing of disaster information among the disaster-prevention agencies.

Developing an appropriate institutional educational environment for the 21st century that shall be conducive to developing easy-to-understand classroom environment where children teach and learn from one another.

A national-level information service shall be created to allow the citizens to electronically utilize their own medical and health-related information.

Applying IT constructively to check on the conditions of lone seniors, and to make care-related information available to those providing medical, care, and other services at the recipients' homes.

CT images

Medical check test data

CT images

Medical records

Medical check test data

Medical record

Lone seniors

Enhancing of medical service at home by remote medical care

Using watching systems to prevent lonely deaths

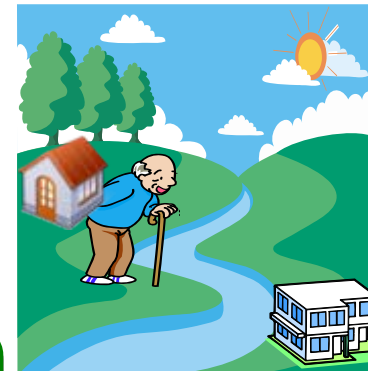• Medical records, CT images and test data are scattered.

This leads to:
• Repeating same test in each medical institution.

•Risk in operation or prescription with no diagnosis data nor check data in the past.

• Now patients can manage and utilize their own medical records, CT images and test data.

Doing so would result in:
• Eliminating unnecessary test.

• Receiving safer and more reliable medical care through diagnosis using past data.

・Specialized hospital is may be far away. No adequate medical service at home is impossible.
・Risk of lonely death is common.

3

- Creating new markets and expanding internationally -

◆ Goals

- We shall promote the development of cloud computing and other new technologies and the elimination of restrictions. Eventually, by 2020, we shall create new related markets worth 70 trillion yen.
- By 2020 a smart grid network shall become a common practice. We shall also see the home sector spearheading the reduction in CO_2 discharge as the IT-aided zero-energy architecture becomes a reality in typical new homes. We shall also aim at reducing traffic congestion on major highways by 50% of the current level through the use of the intelligent transport systems (ITS).
- By 2013 we shall advance concentrated collaborative research and development among the industrial, academic and governmental sectors in strategic fields. The goal is to enable the country's IT enterprises to strategically acquire intellectual property rights and international standards in major overseas markets and deploy them internationally.

◆ Priority Measures
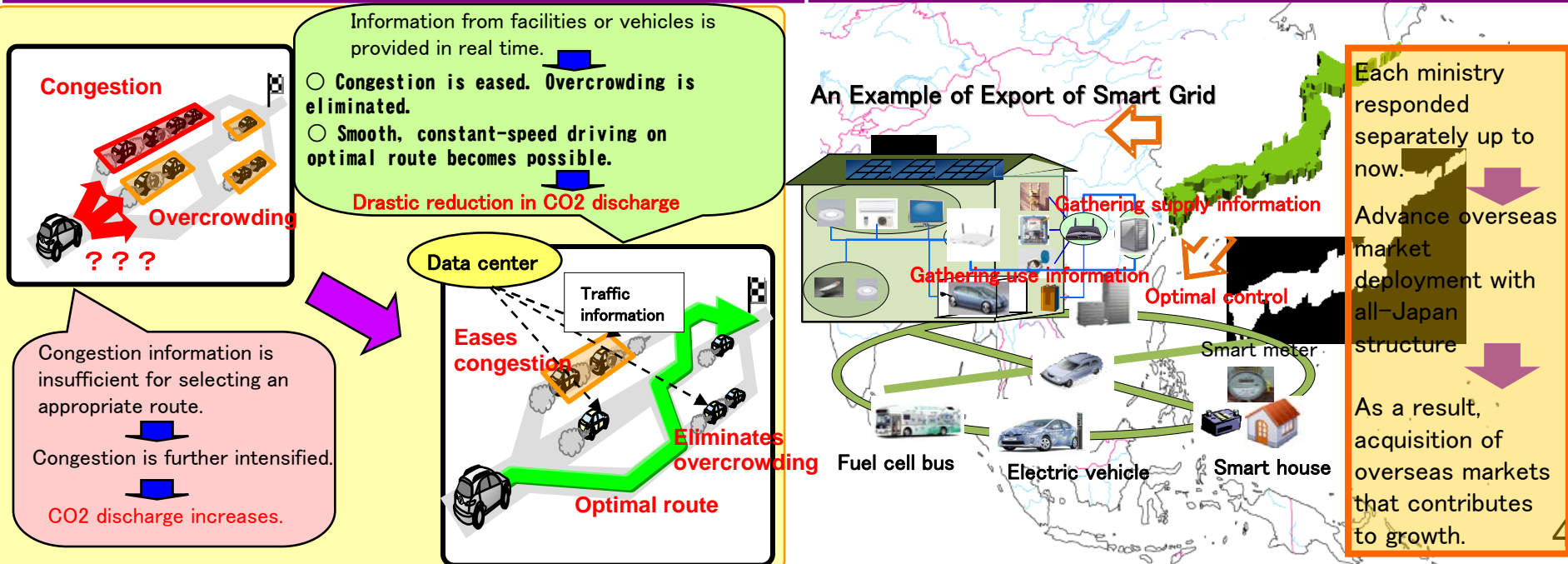
Concentrating on R&D in IT-related fields, and aiming at placing the resultant products on the market at an early date	Taking advantage of the capabilities of the "digital native," and creating new content- related enterprises etc.	Promoting cloud computing services through creation of new industries that take advantage of available data and others

Promoting Smart Grid in Japan and abroad; energy-saving houses etc; green transport of people and goods; development and others of new technologies that achieves reduced environmental burden	Developing all-Japan structure across the governmental agencies and industrial and private sectors in the strategic fields to promote acquisition of international standards etc., and export to and investment in foreign markets

Congestion

Overcrowding

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Congestion information is insufficient for selecting an appropriate route.

Congestion is further intensified.

CO_2 discharge increases.

Information from facilities or vehicles is provided in real time.

○ Congestion is eased. Overcrowding is eliminated.
○ Smooth, constant-speed driving on optimal route becomes possible.

Drastic reduction in CO_2 discharge

Data center

Traffic information

Eases congestion

Eliminates overcrowding

Optimal route

An Example of Export of Smart Grid

Gathering supply information

Gathering use information

Optimal control

Smart meter

Fuel cell bus

Electric vehicle

Smart house

Each ministry responded separately up to now.

Advance overseas market deployment with all-Japan structure

As a result, acquisition of overseas markets that contributes to growth.

4

- Digitizing political activities -

◆**Digitizing political activities**

The administration shall study the establishment of infrastructure and environment in terms of advancing the digitization of the following specific political activities smoothly.

Election campaigns

Using the Internet in election campaigns to help the voters collect campaign material easily

In the U.S. …
In the presidential election 2008, the Internet was extensively used to distribute information, organize supporters, and receive personal donations.

Voting

Promoting electronic voting to facilitate the exercise voting rights by the voters

In Estonia…
Since 2005, Internet balloting has been used nationally for advance and absentee voting.

Diet activities

Enhancing the quality and transparency of deliberation at the Diet through the use of paperless discussion material and reinforcement of information dissemination through the use of the Internet

In Republic of Korea…
In September 2005, the Diet installed a computer at each assembly member's seat to allow electronic voting as well as eliminating the need for hard copies for draft bills, budgets, and other items on the agenda.