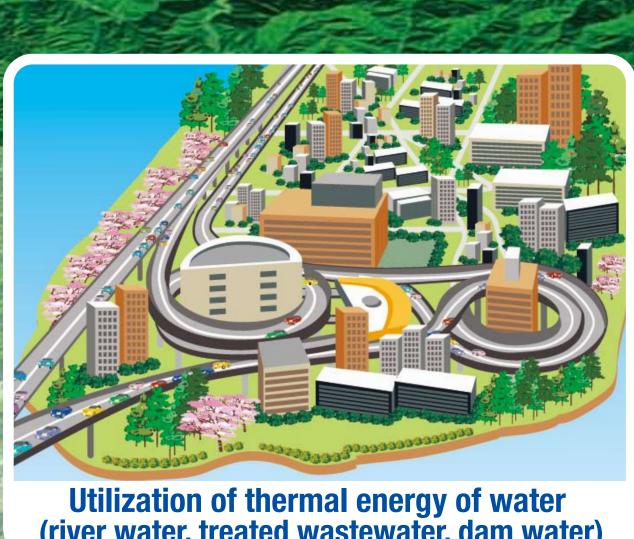
"Life of Water" Chubu Forum, Nagoya

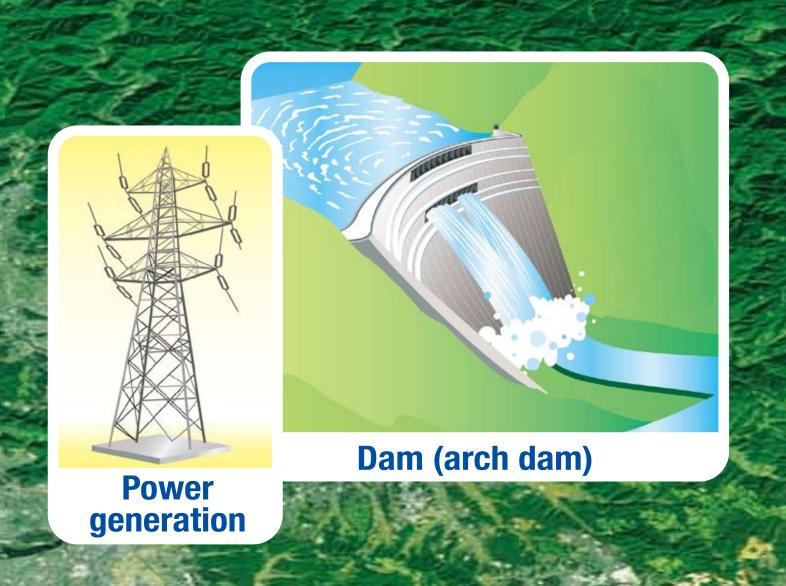
Development of Chubu-region ~ Sustainable Development Management ~

Nagoya located at the center of Japan Nagoya – Chubu Region: Specialists in Water Control





Agricultural water



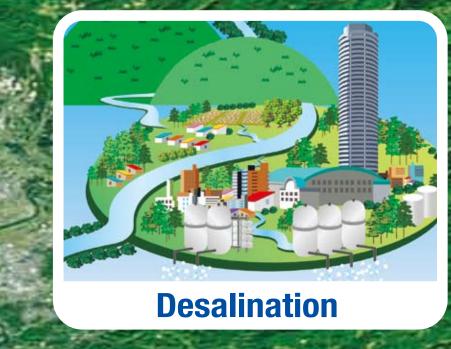
Lake development

Management of land below sea level

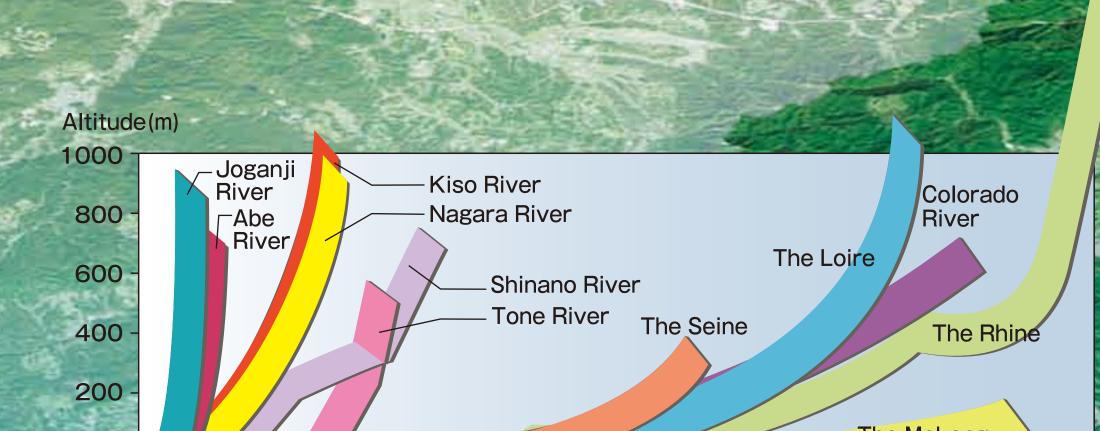
Automotive powerhouse











Japan's foremost port - Port of Nagoya

Home toJapan's roof -3,000m high mountain range

Wide ranging members of the "Life of Water" Chubu Forum

- Economic / financial organizations
- Local government
- Businesses
- Manufacturers
- Consultants
- General contractors
- Electrical power companies
- Distribution companies
- Education and research institutes
- Public entities
- Central government

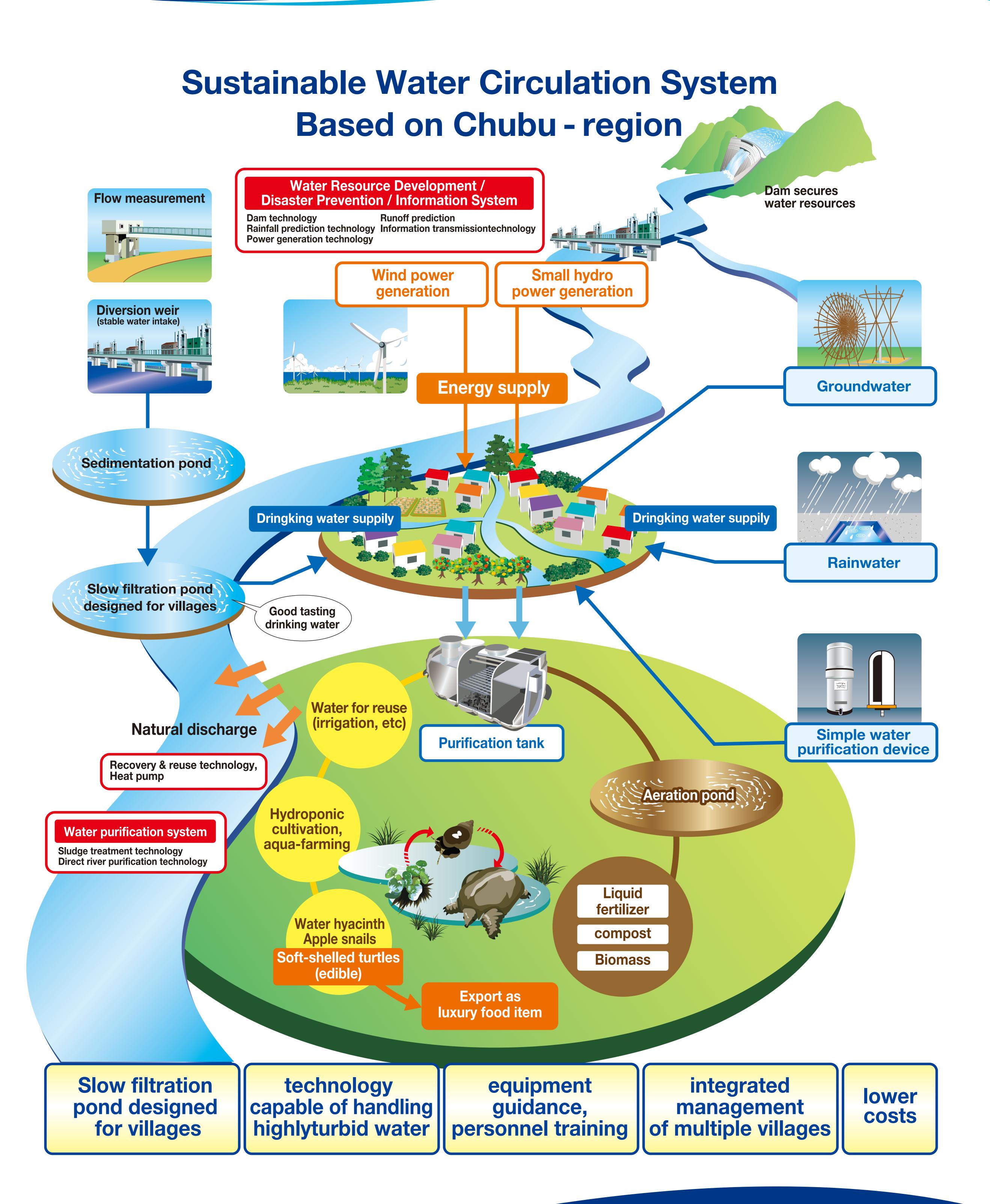
Chubu Region population

60 times larger than Singapore

The Nagoya – Chubu Region has a very mountainous geography and little useable water with respect to the amount of rainfall. This has led the region to develop and maintain sustainable water management for the area as a whole, encompassing management of dams, rivers, irrigation, and tap and wastewater facilities, allowing the region to maintain its unique natural environment while at the same time develop one of Japan's foremost urban centers.

The "Life of Water" Chubu Forum comprises a total of 109 business and other organizations, and is capable of offering both low-tech and hi-tech solutions for energy usage, water circulation, as well as the establishment, management and operation of various water-related facilities. The Forum's wealth of experience and technology can help you achieve sustainable development of your community's water resources too!

Proposal for Villages



Description of Slow Filtration Technology Designed for Villages 100 Year History of Nabeya Ueno Water Purification Plant

Is slow filtration technology sustainable?

Benefit 1 Little machinery

Benefit 2 Low energy consumption

Benefit 3 Low cost

Benefit 4 Good tasting water

Benefit 5 Durable

Constructed in 1914, the Nabeya Ueno Water Purification Plant has been providing Nagoya City with good tasting drinking water for nearly 100 years.



Nagoya possesses the special expertise to seamlessly combine slow filtration with rapid filtration.

Specification of slow filtration ponds (Nabeya Ueno Water Purification Plant, Nagoya City)

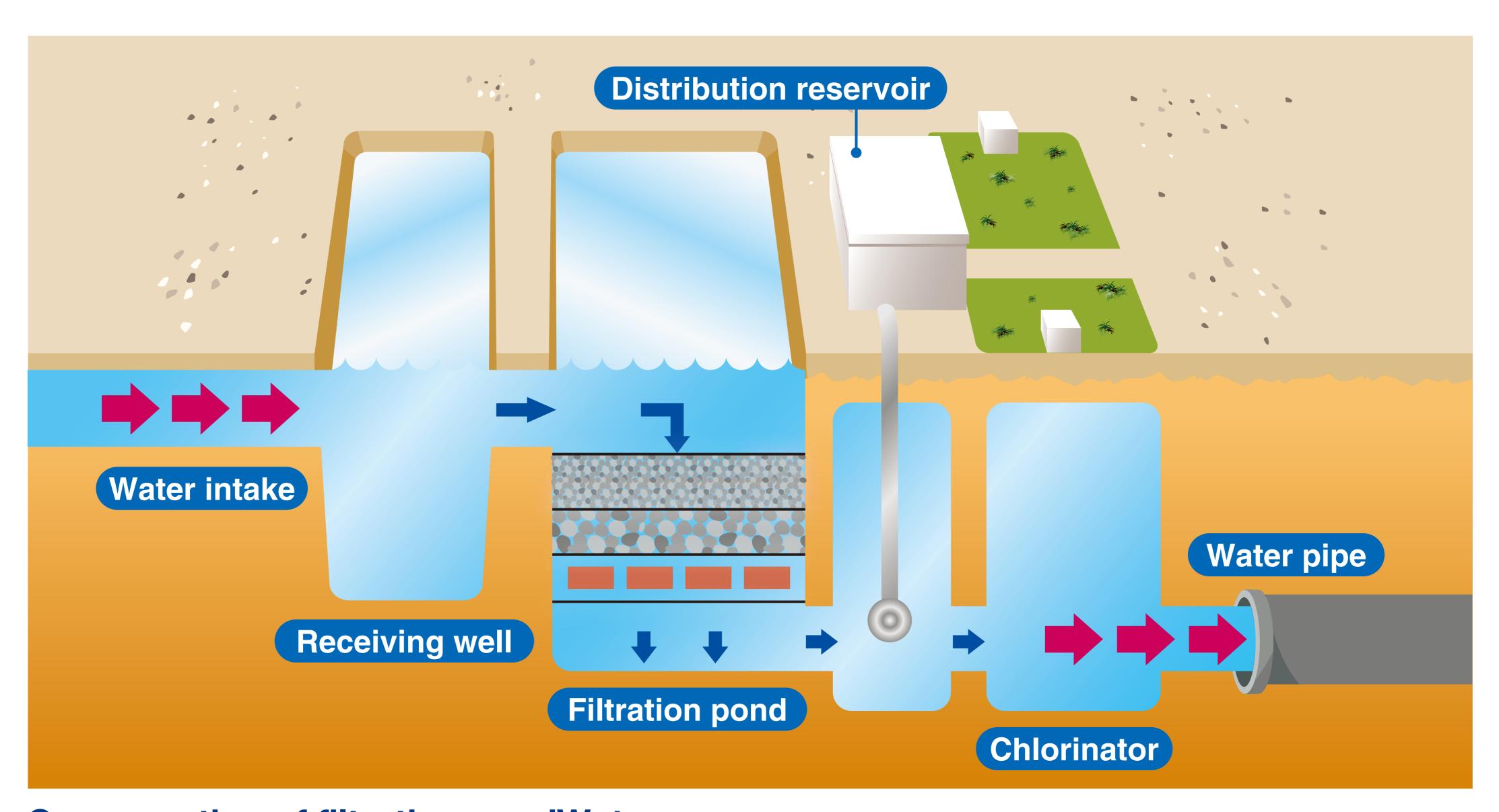
Number of ponds	Number of ponds 14
Average filtration area	Average filtration area 2,879 m²/pond
Standard filtration speed	Standard filtration speed 4m/day
Filtration capacity	Filtration capacity 140,000m²/day



What is Slow Filtration?

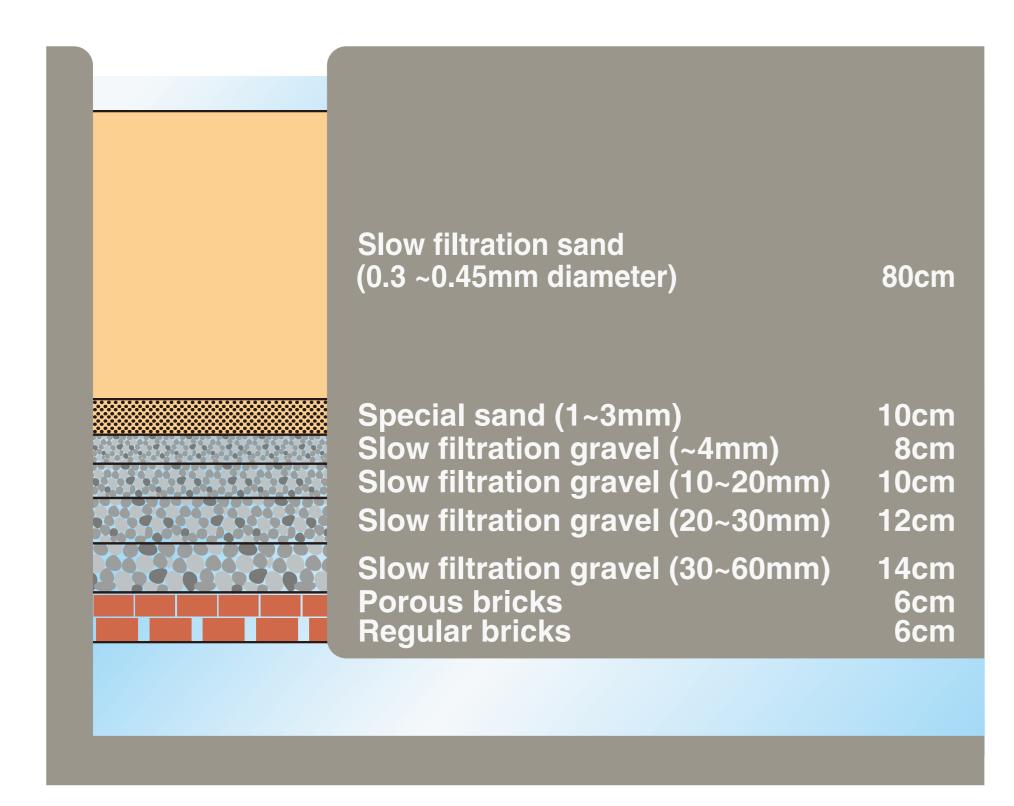
Slow filtration employs special microbes and bacteria, instead of chemicals, slowly purify water.

It is suited to purifying relatively clean water from rivers and other similar sources.



Cross section of filtration pondWater

Water is passed through a fine sand layer at a gentle rate of 4-5m/day. Microbes in the sand layer breakdown and remove suspended solids in the water. Unwanted bacteria and malodors are also removed at the same time.



Cross section of filtration pondWater

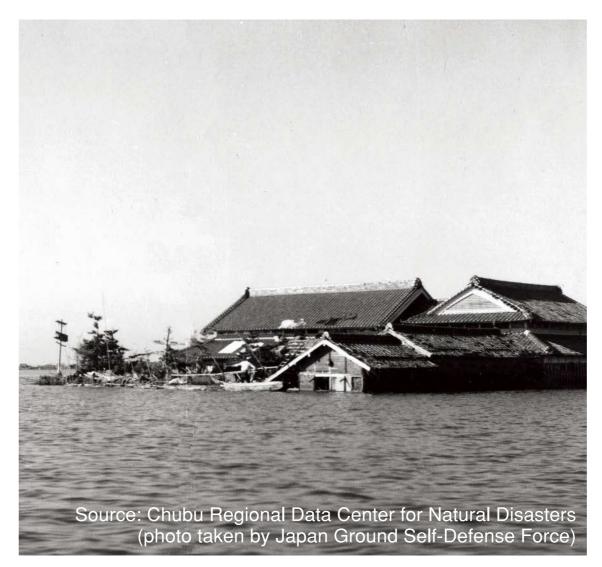


Cleaning a Filtration Pond
Requires periodic maintenance



Safe and secure disaster prevention technology for the Nagoya-Chubu Region

A storm surge more than 50 years ago claimed the lives of over 5,000 people in low-lying sea-level area bordering Ise Bay. Ever since then, civil engineers have implemented numerous disaster prevention measures, and in doing so have developed various specialized technology to make Nagoya and the Chubu Region the safe place that it is today.

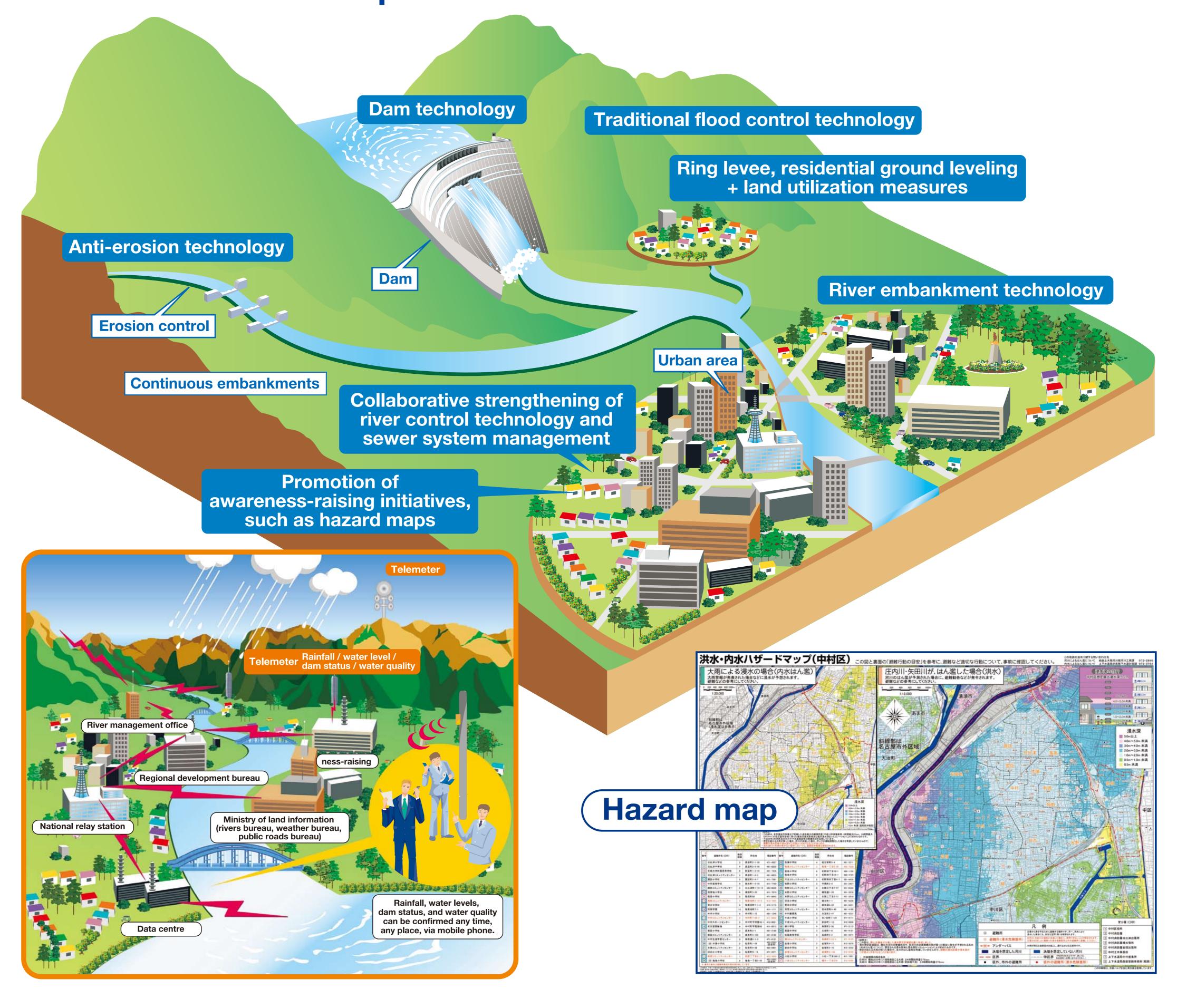




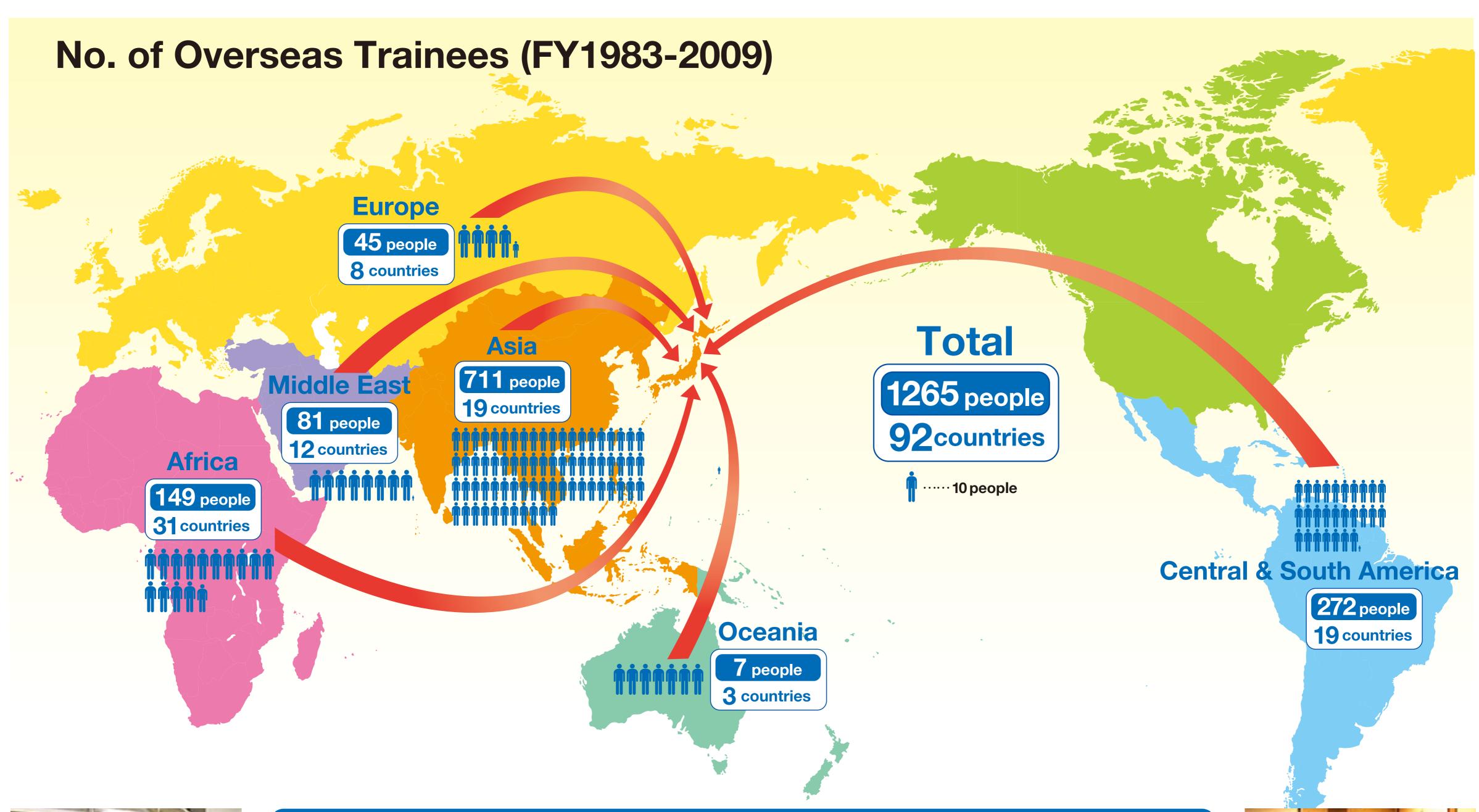
Damage caused by Typhoon Verawhich struck Ise Bay in 1959



Raising the height of embankments, excavating river channels and implementing other measures, as well as utilizing a special information sharing network, has made downtown Nagoya safer and more impervious to disasters than ever before.

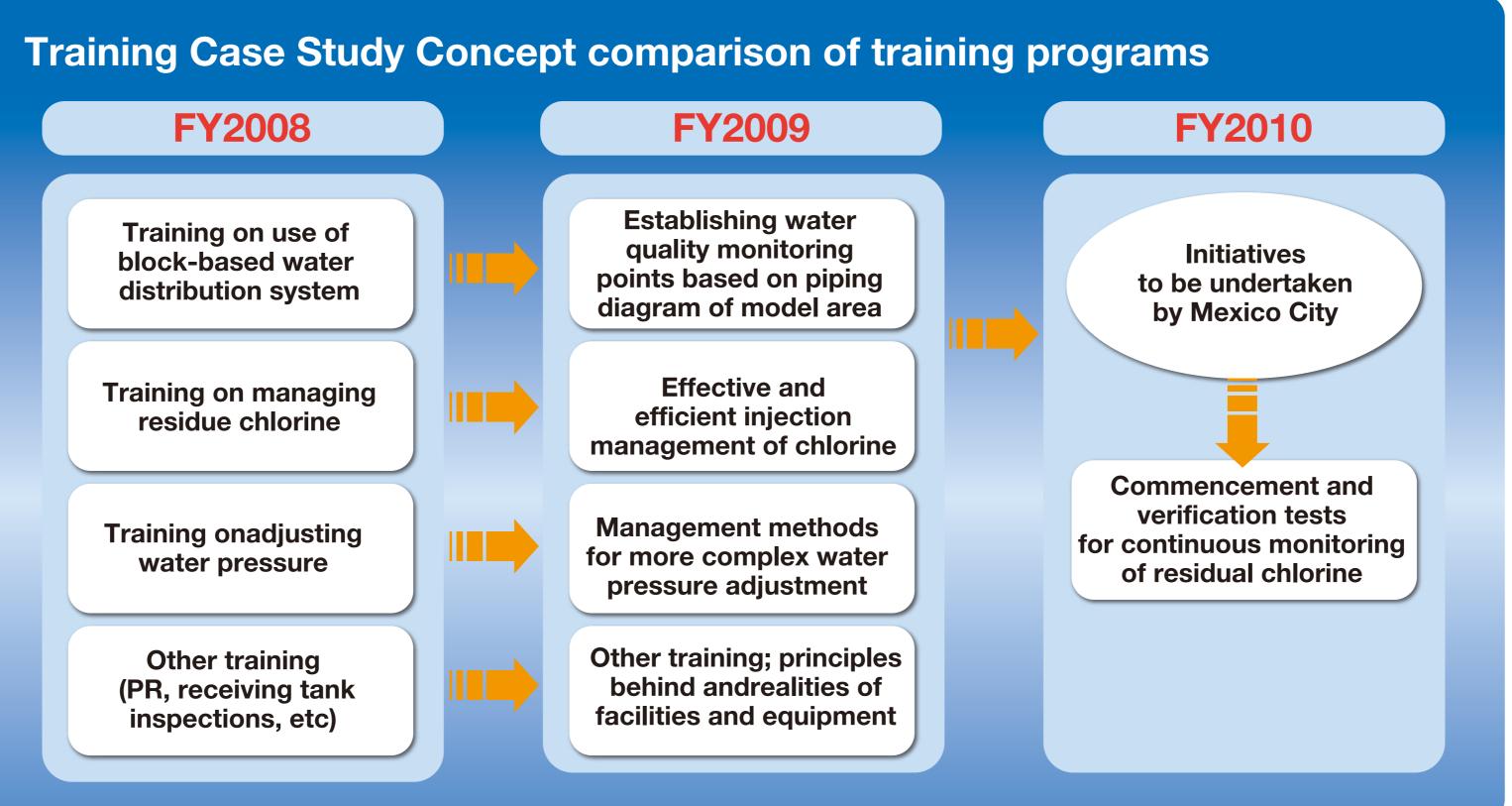


Nagoya – Chubu Region: Working with People Overseas (Provision of Training, Personnel Secondment)



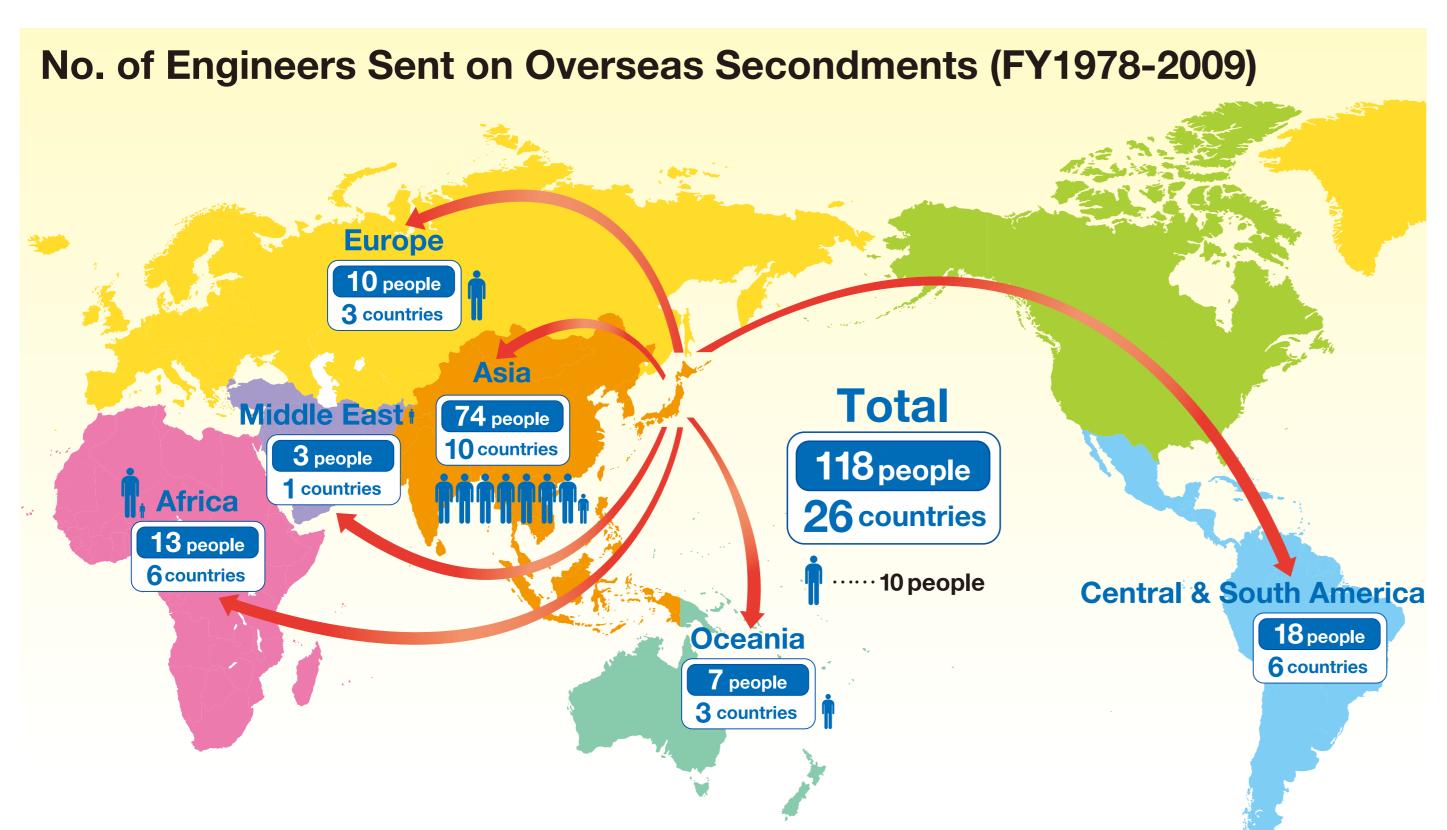










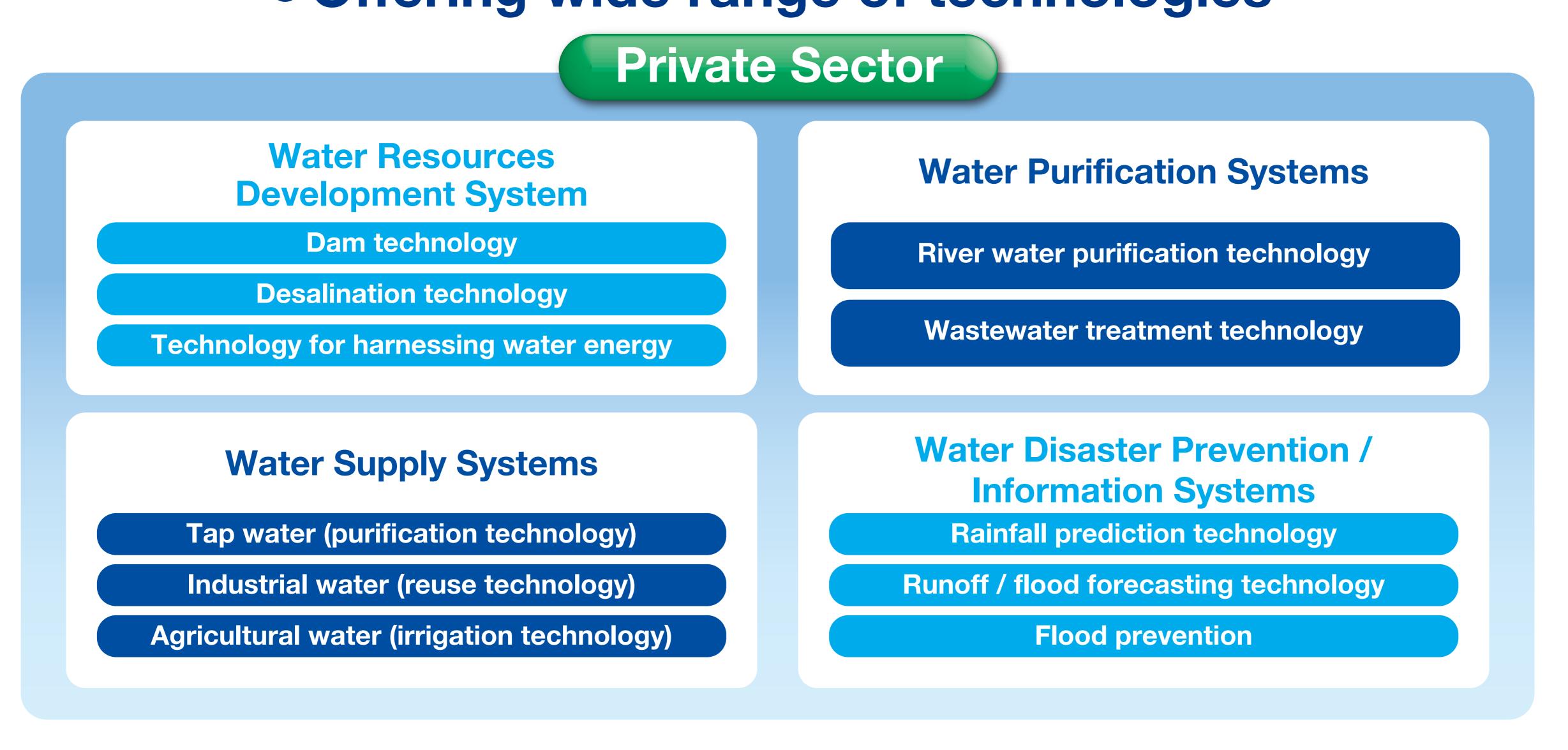




The city of Nagoya has been actively transferring state-of-the-art technology to developing countries for about 30 years.

"Life of Water" Chubu Forum, Nagoya

Consist of 109 members, having the best solution
 Offering wide range of technologies



Central Japan Brand (Chubu Water Forum): A Name You Can Trust Industry, academia and government work together to support numerous private sector enterprises.

