Observation Data and Effective Groundwater Preservation Efforts Using Scientific Techniques

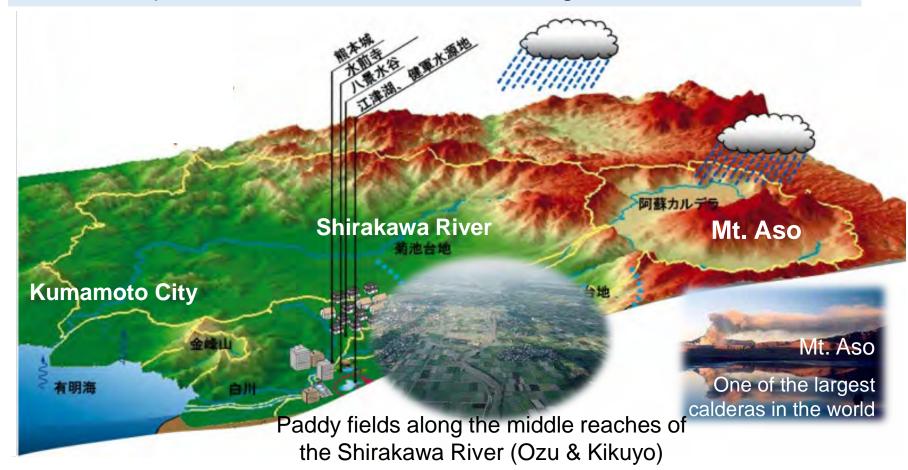




APPEAL AND UNIQUE CHARACTERISTICS OF KUMAMOTO CITY Kumamoto for SDGs

Water Cycle in Kumamoto

Geological strata formed by volcanic activity is easy for water to penetrate and creates abundant groundwater



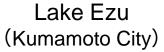
APPEAL AND UNIQUE CHARACTERISTICS OF KUMAMOTO CITY



Water Fosters Nature and Culture

Groundwater is the basis of our economic activities and life in Kumamoto, and it continues to shape Kumamoto Culture

Suizenji Jojuen Garden (Kumamoto City)





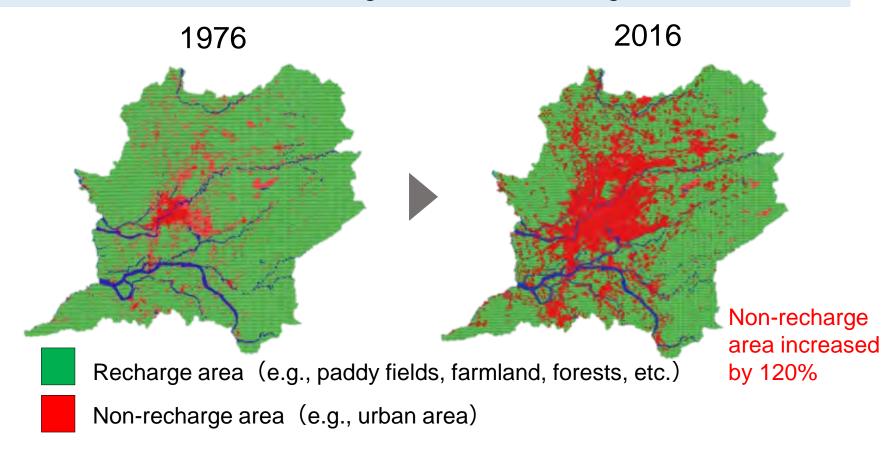


ISSUES



Groundwater Depletion

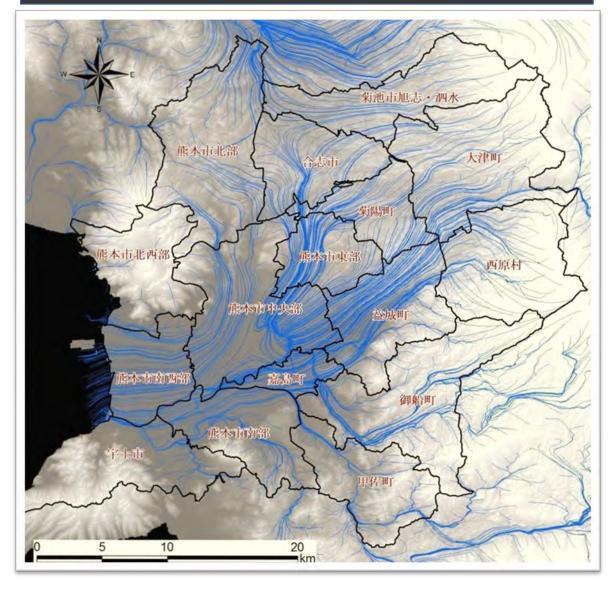
The decrease in paddy fields due to urbanization has led to a decrease in groundwater recharge



Kumamoto Groundwater Observation Wells



Visualizing Our Groundwater



INITIATIVES



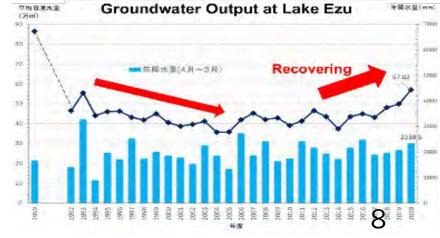
Regional Groundwater Conservation

Promotion of cross-sectoral and trans-municipal groundwater conservation activities in the middle reaches of the Shirakawa River



Flooded paddy field







Water-Related Disaster Risk Reduction

River Basin Disaster Resilience and Sustainability by All
Comprehensive and multi-level water-related disaster prevention

Prevent Floods & Reduce Hazards

e.g. Channel modification, stormwater storage facilities, forest conservation, paddy field water storage

Reduce Exposure to Disaster

e.g. Promotion of redevelopment of decrepit buildings in the city center

Increase Disaster Resilience

e.g. Create hazard maps and raise citizen awareness of water-related disasters



▲ Modified Section of the Shirakawa River



Strengthen Flood Evacuation Plan

Never underestimate future disasters and conduct training courses to protect lives

■Training city workers for disaster response during the pandemic

Training on how to respond to various unexpected situations during disaster response while being cautious of the spread of COVID-19.

■Training citizens for flood evacuation using VR (Virtual Reality)









Hosting the 4th Asia-Pacific Water Summit



4th Asia-Pacific Water Summit Kumamoto Japan 2022

