

Sustainable Groundwater Preservation in Kumamoto

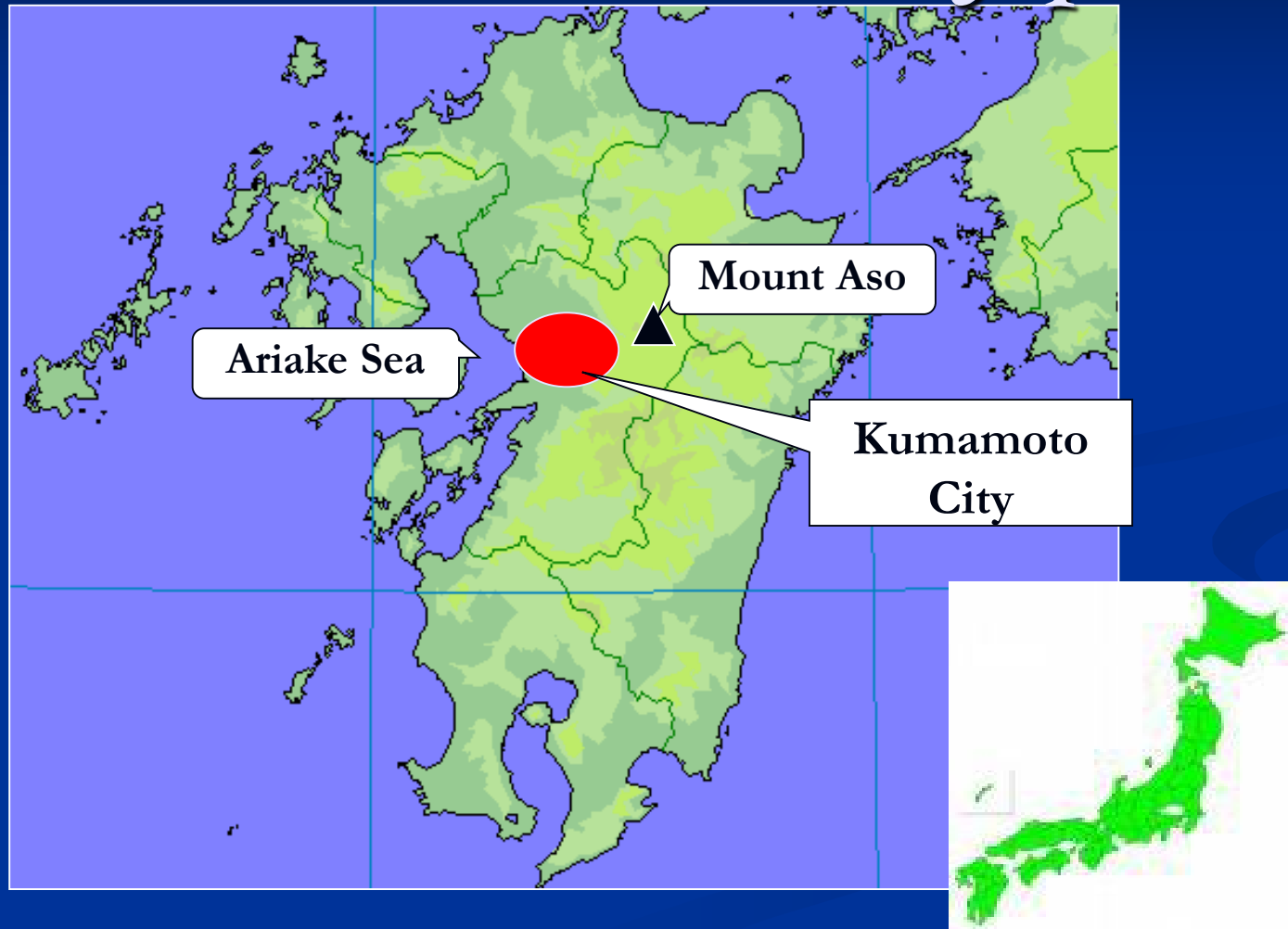


Kumamoto City

Kumamoto City, the Richest Groundwater in Japan

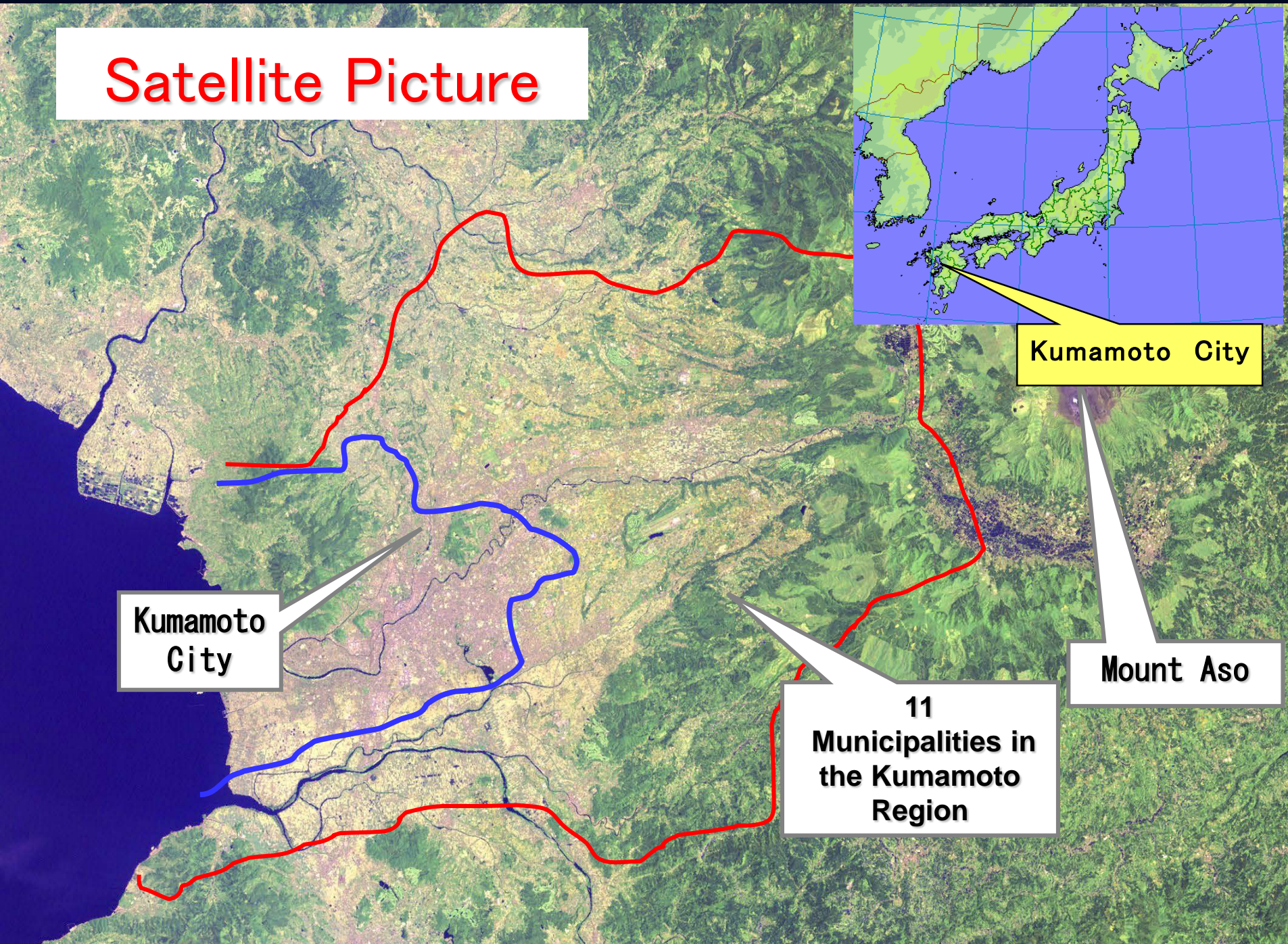


Kumamoto City, the Richest Groundwater in Japan



Japan

Satellite Picture



Kumamoto City

Kumamoto
City

Mount Aso

11
Municipalities in
the Kumamoto
Region

Mount Aso and Kato Kiyomasa

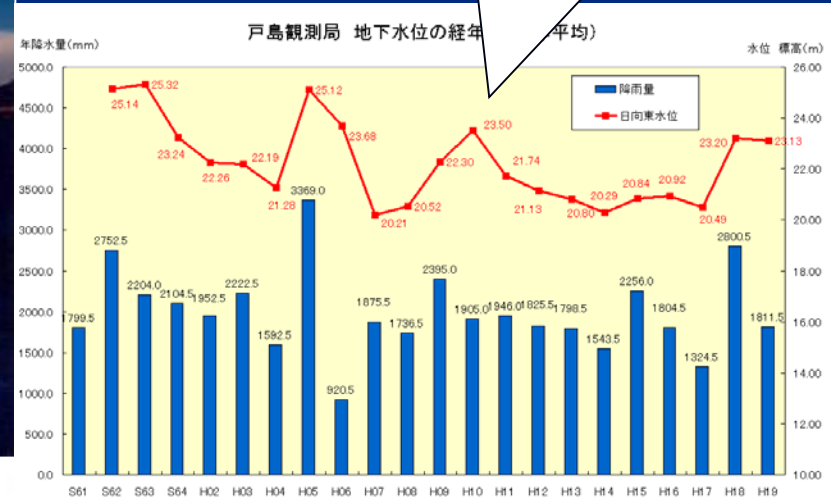


Mount Aso: the world's largest volcano caldera

Lord Kato Kiyomasa



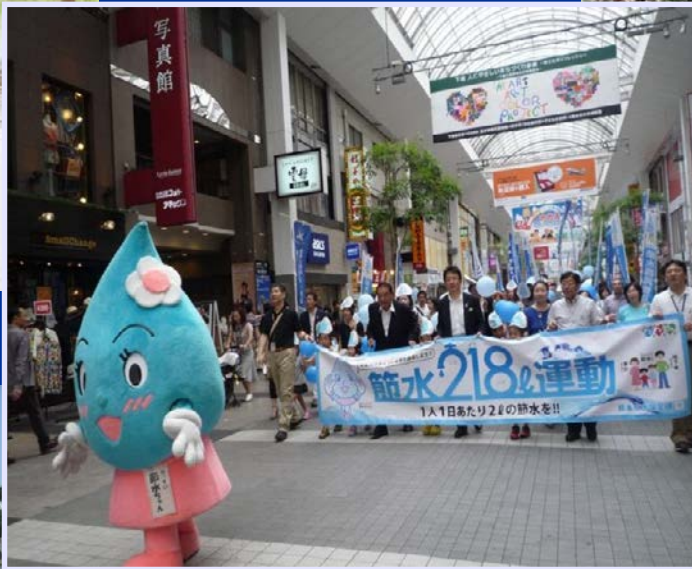
Groundwater level



Pure Groundwater Conservation Initiatives



■ Rice paddy training programs



■ Citizens' Water Conservation Movement



■ Rainwater tanks at elementary and middle schools



Rotational paddy-flooding projects



■ Maintenance of water catchment forests

Utilizing Paddy Fields for Groundwater Cultivation

Creating the Groundwater Conservation Agreement with neighboring towns



Area which has historically fostered groundwater cultivation using paddy fields



Former paddy field artificially facilitates groundwater cultivation

Maintaining Watershed Protection Forests



Watershed protection forests

Volunteers working to create protective forests





Fig. 1 3-D Grid Model

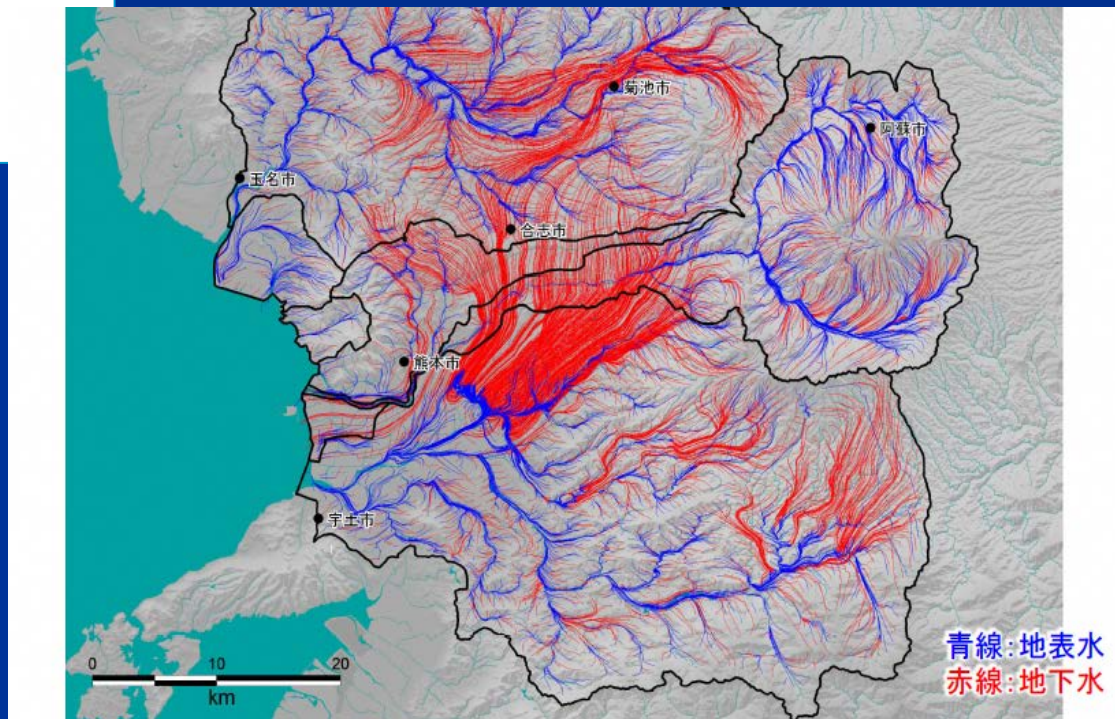


Fig. 2 Kumamoto Regional
Groundwater Flow Lines

<http://www.kumamoto-waterlife.jp/>



KUMAMOTO WATER LIFE

Kumamoto City Official Water Examination



- 1st, 2nd, 3rd ranks offered
- No test fee

The first ever Japanese Water Examinations begin August 1st!



Official Textbook

Environmental Education and Lifelong Learning Programs





Elementary school students learning about the role of water


Awards Ceremony at the UN

March 22nd, 2013




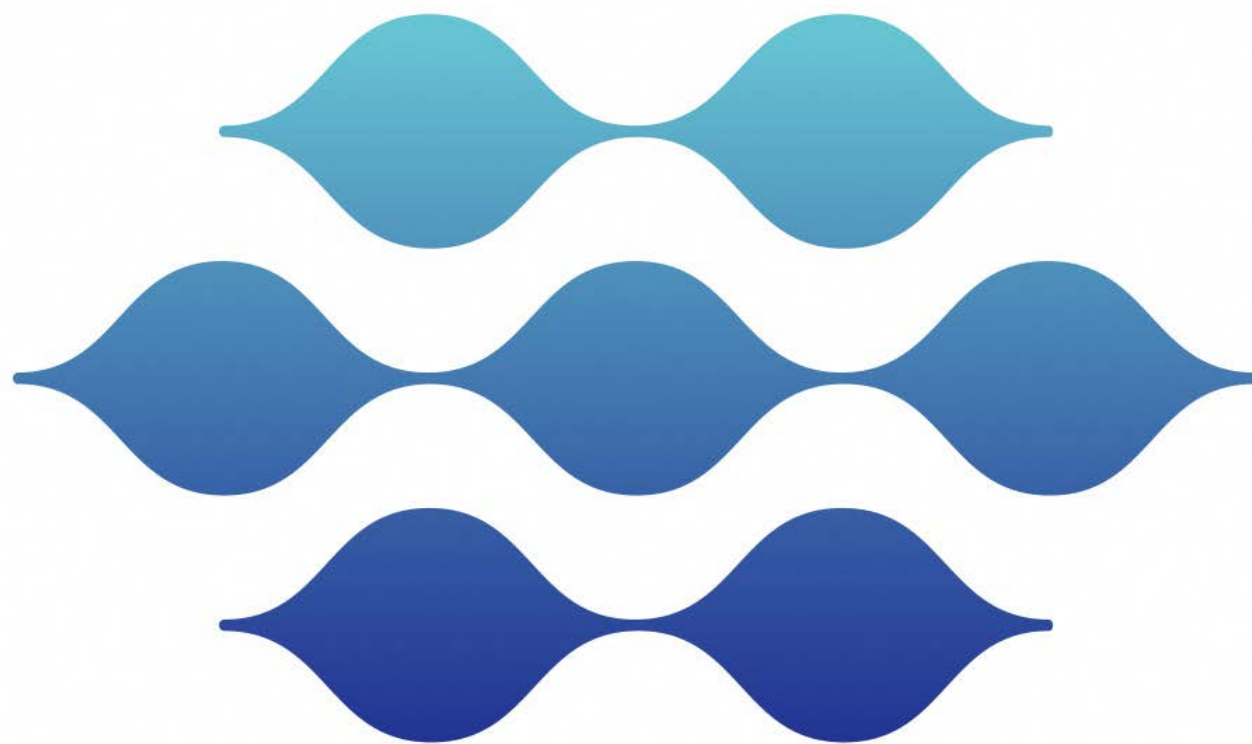
**2013 edition of UN-Water
“Water for Life” Best Practices Award**



**Kumamoto city, Japan Winner of Category 1
Best water management practices
22 March 2013**

Kumamoto City 





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