



Local Governments
for Sustainability



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City of Andong

Republic of Korea



Local Governments
for Sustainability



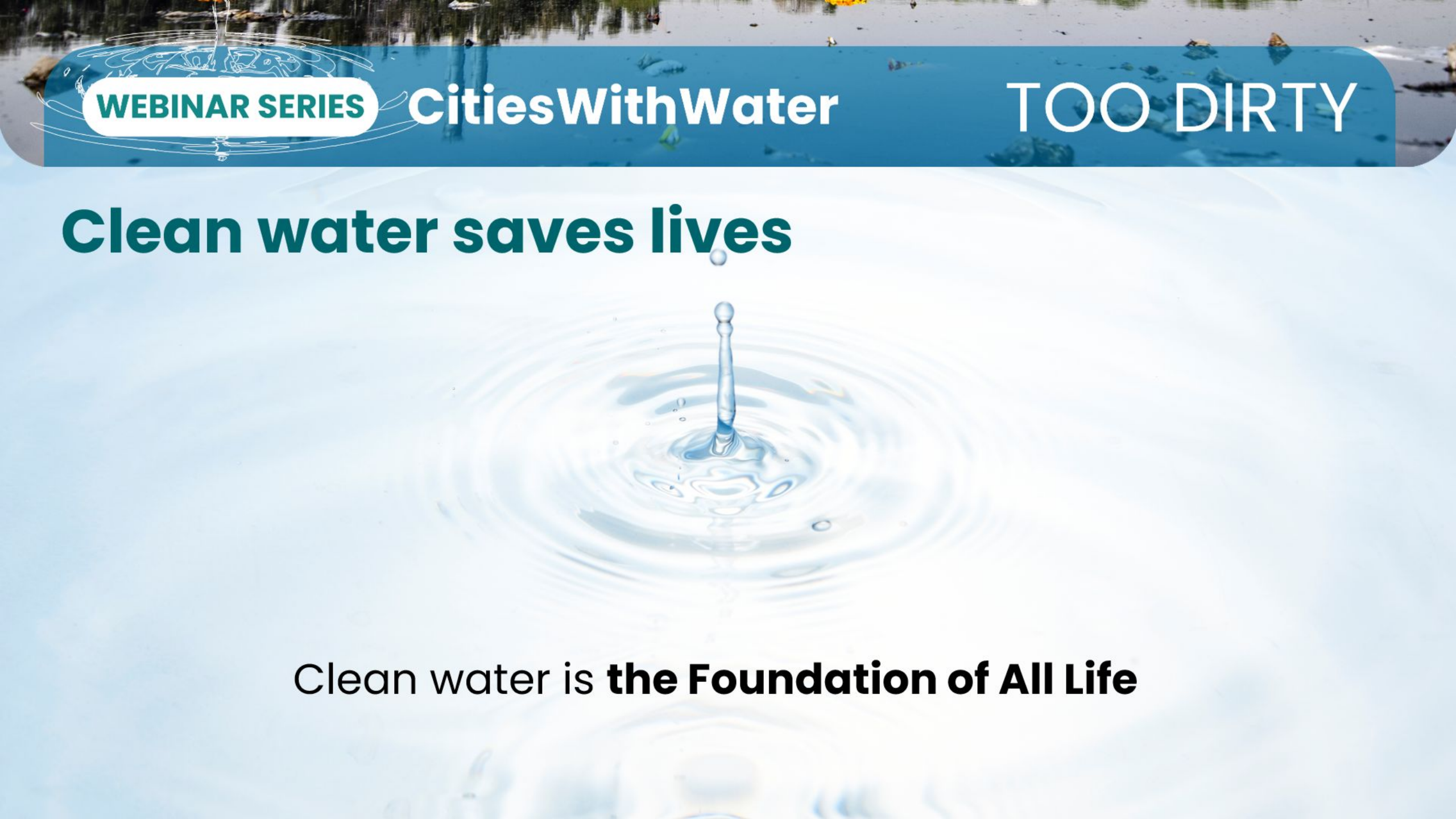
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Building the Future with Water : Sustainable Vision of Andong

Mr. Gi-chang Kwon

Mayor of Andong City



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Clean water saves lives

Clean water is **the Foundation of All Life**

Andong, City of Water



▲ Andong dam



▲ Imha dam

- Abundant Water Supply from Two Major Dams
- The Origin of the Nakdong River : Supplying Water to 13 Million People

Algal Bloom Issue



▲ Over 50% of nonpoint pollutant source comes from livestock waste



▲ Algal Bloom at Andong dam

Algal Blooms → Degrading Water Quality, the Higher Purification Cost

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Heavy Metals & Contaminated Sediments Issue



▲ A smelter in the upper stream of Andong dam



▲ Fish kills and contaminated sediments



Toxic heavy metals → threat to safe drinking water

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Local Solutions

Innovative Solution for Water Pollution



▲ Removing suspended solids



▲ Algal Removal Vessel



▲ Eco-friendly robot for algal removal

National Algal Bloom Control Center

→ real-time monitoring & algae removal

Local Solutions

R&D in Solving Water Pollution

- Developing Water Purification Technologies for Heavy Metals & Sediment Remediation
- Testing & Verifying water quality and related equipment
- Developing sustainable & eco-friendly solutions for water resource management

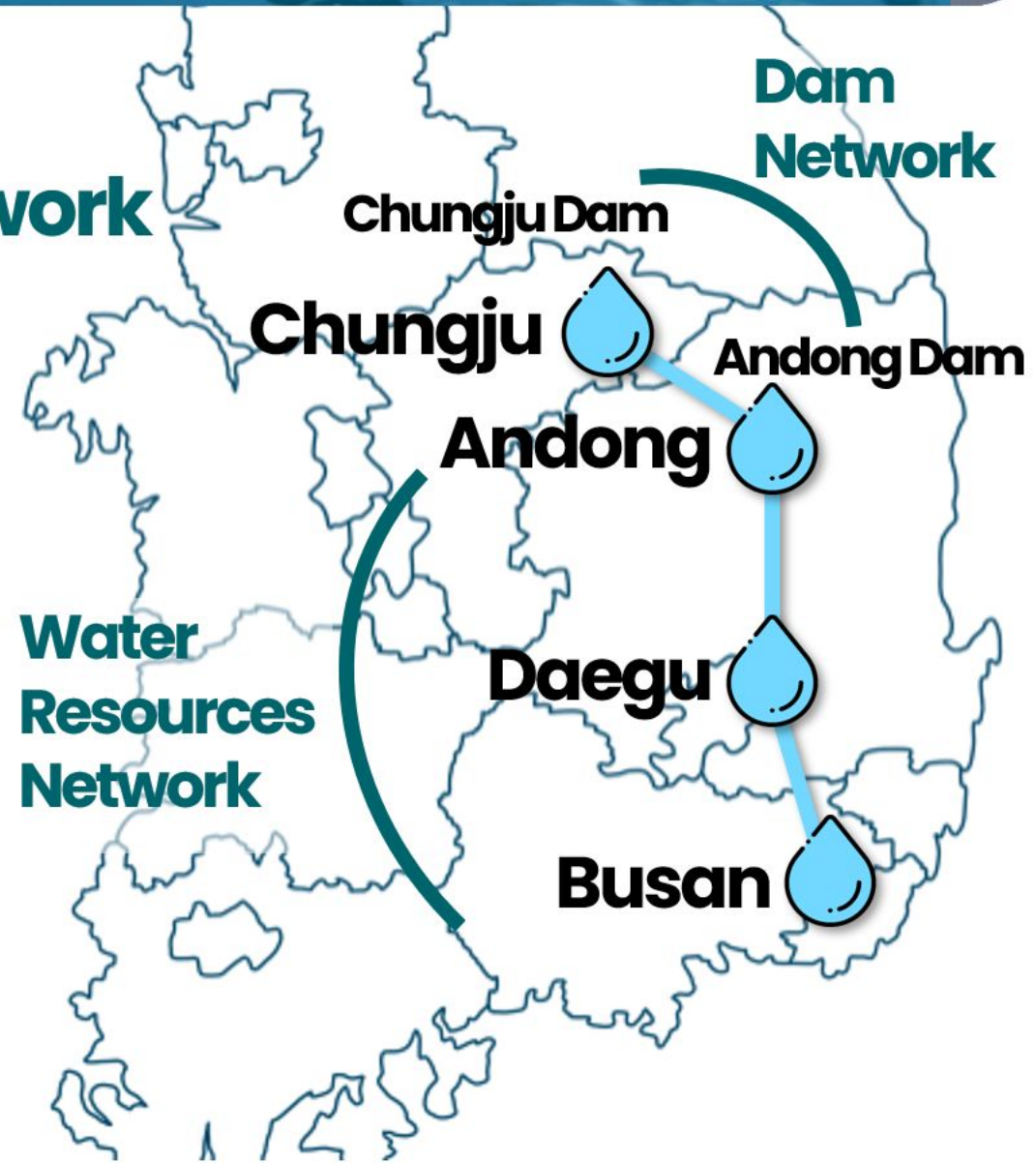
Water Resources Technology Research Institute

→ R&D in advanced water treatment

Expanding Impact

Establishing Dam & Water Resource Network

- Integration of Water Supply System, not individual locals
- Leading clean water to more citizens



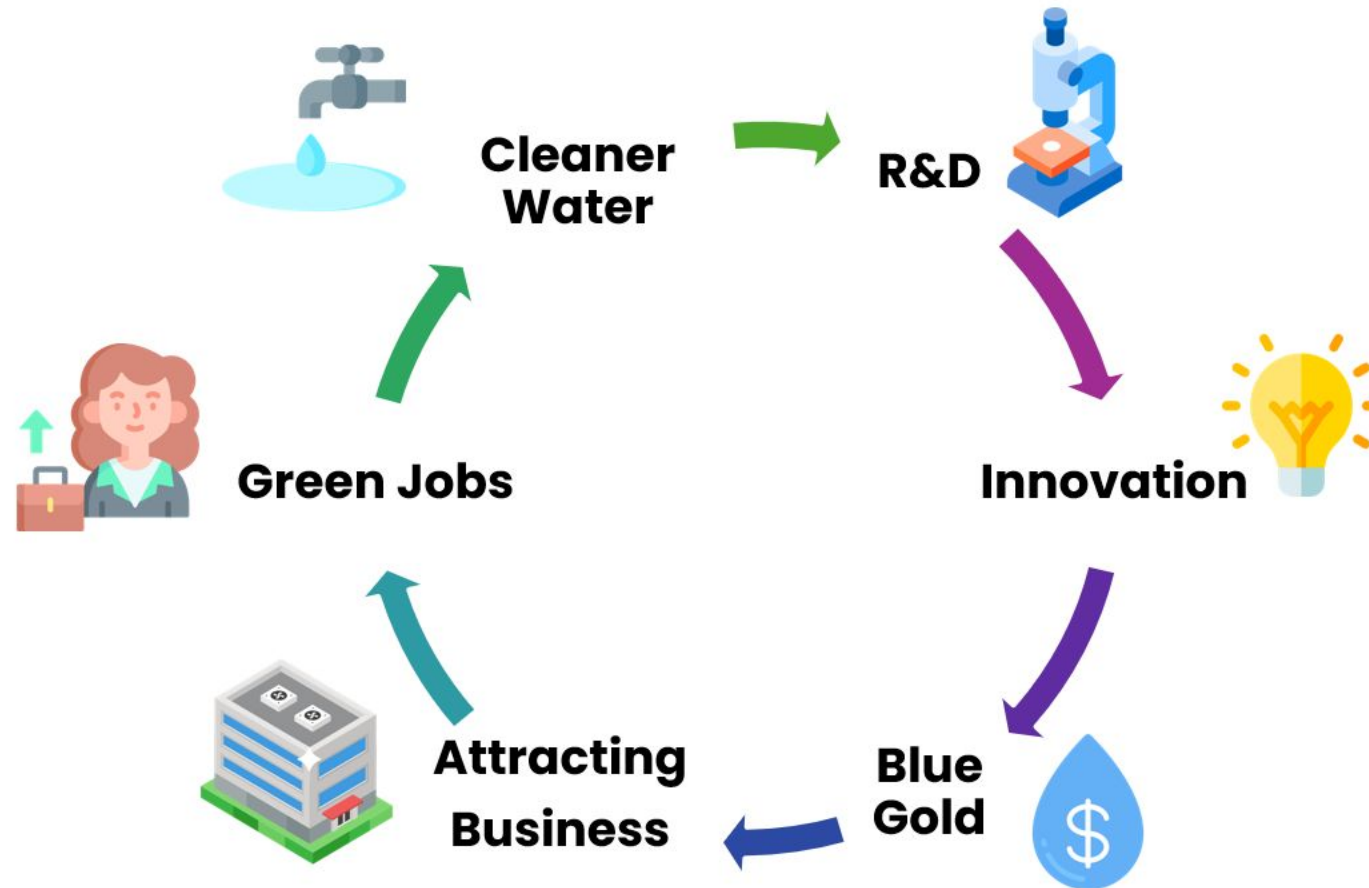
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Expanding Impact

The Value Chain for Delivering Clean Water





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Sustainable Vision of Andong

**Let's work together
to Preserve Clean Water
for Future Generations**