As Gwangju becomes warmer, let's make it cooler.





Climate Change Around the World



Climate Change in Korea

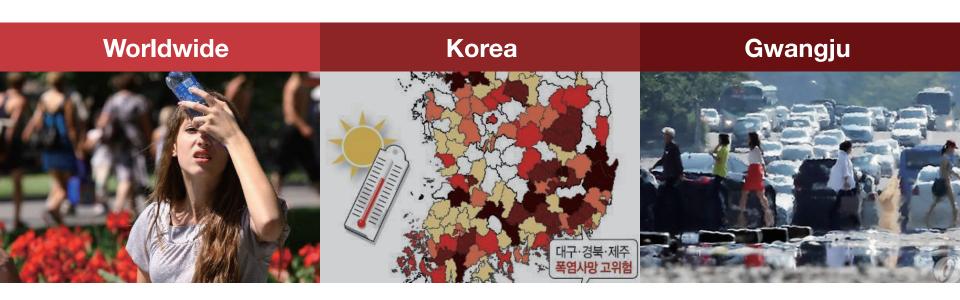
Source: Report on Abnormal Climate 2016, Disaster Report 2016



About 4.6 bil. US\$ of Property Damage between 2006~2015 from typhoons and heavy rains (93.3%), heavy snows (4.2%), strong winds (1.2%), and high seas (1.3%)

218 died or missing between 2006~2015 from heavy rains (82.1%), typhoons (17.4%), and strong winds (0.5%)

We need different ways to cope with heat waves.

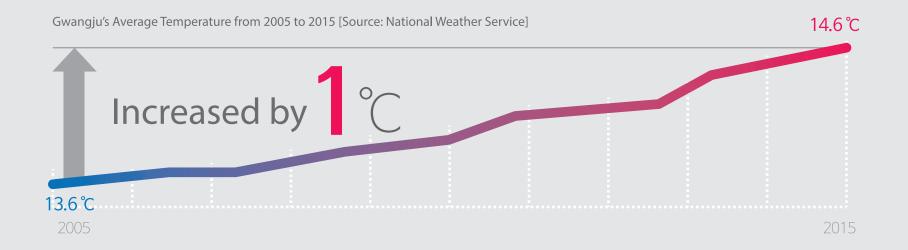


About 40,000 died from heat in Europe in 2003 and 15,000 in Russia in 2007

17 died and 2,125 treated from heat in 2016, which is more than doubled when compared to 2015

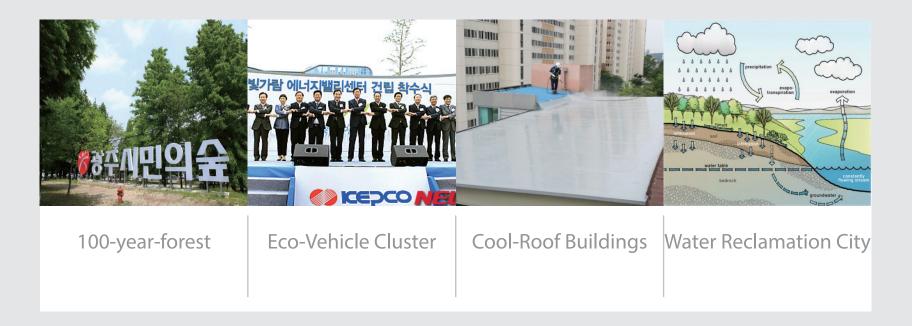
1 died and 91 treated from heat in 2016, a 194% increase when compared to 2011

Heat Waves are a Terrible Disaster



83.9% of Gwangju citizens believe 'Gwangju's heat wave is severe'.

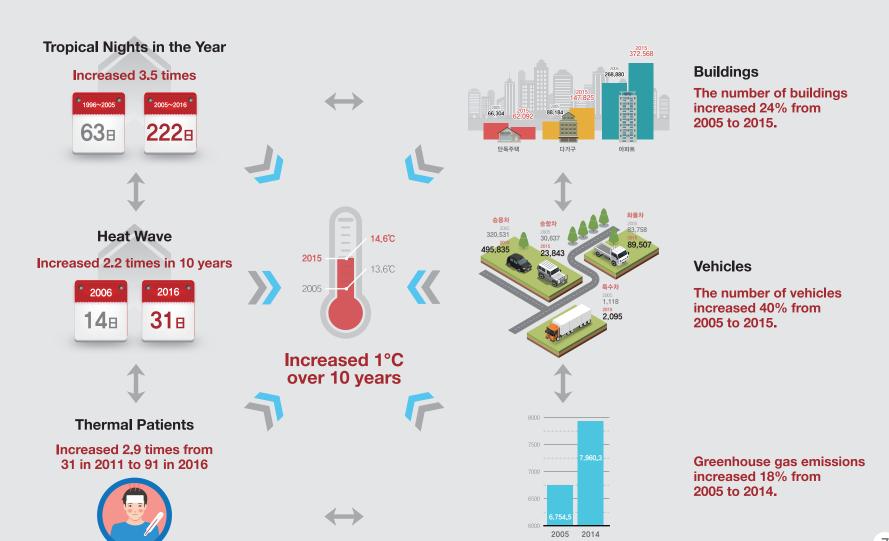
How Gwangju is Responding



In spite of these efforts, Heat Waves, Tropical Nights, and Urban Heat Islands are problems that are difficult to solve.

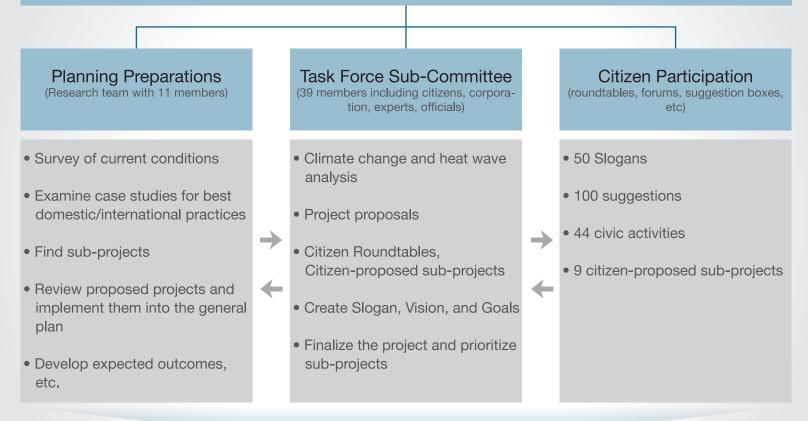
Background for Making Gwangju 1°C Cooler

Gwangju's Environmental Conditions



Organization for Making Gwangju 1°C Cooler

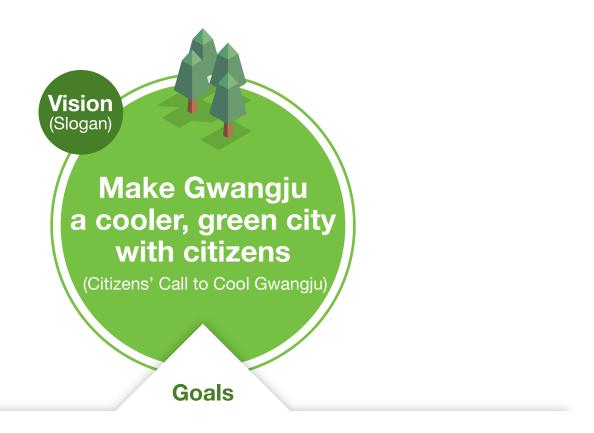
Plans for Making Gwangju 1°C Cooler



Confirm the plan of the Project

Vision / Goals / Slogan / Strategy / Master Plan / Sub-Projects / Citizens' Civic Action

Overview of Making Gwangju 1°C Cooler



- Enhance citizens' quality of life by coping with heat waves
- 2 Raise the city's capacity to cope with environmental issues
- 3 Suggest new types of green governance through public-private cooperation

Citizens' Call to COO Gwangju



A COO Gwangju

44 initiatives to make Gwangju Cooler



• Build eco-friendly infrastructure

Shared Spirit(÷)

- Create a Gwangju Community
- Build a Private-Public Cooperation Network

Reduce Grey(-)

- Reduce Air Pollution
- Reduce Energy Consumption

Raise Awareness(x)

 Improve Energy Conversion and Energy Efficiency



Add Green(+)

- Expand Green /Waterfront Areas
- Build eco-friendly infrastructure

Make Gwangju Streams more Eco-Friendly











Improve Water Reclamation

Use Cooling Mists

Reduce Air Pollution

Reduce Grey(-)

 Reduce Energy Consumption

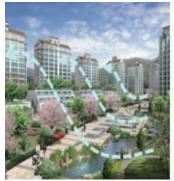
Build and Improve Systems for Public Transportation and Bicycle Use





Promote Eco-Friendly Vehicles

Create District Maps with Wind-Paths







Reduce Vehicle Emissions



- Create a Gwangju Community
- Build a Private-Public Cooperation Network

Eco-Mileage



Shelters from Heat

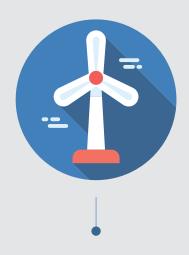








Citizen Education and Public Relations



Raise Awareness(x)

 Improve Energy Conversion and Energy Efficiency

Install solar panels on homes







Encourage Energy Management Systems for Buildings

Encourage use of LED lights



With citizens, Gwangju made 10 civic responsibilities.



Unplug when not in use



Walk whenever possible



Ride a bicycle



Use public transportation



Reduce food waste



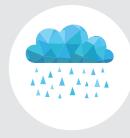
Use less disposable products



Recycle wastes



Set a green table



Use less water



Plant and grow one tree for each citizen







Gwangju gets warmer

Making Gwangju Cooler



Let's make Gwangju cooler together.

Thank You