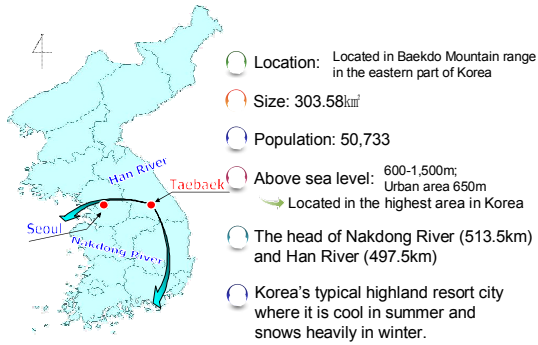


Taebaek City's Environmental Changes: Global Warming and Countermeasures

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Present state of affairs in Taebaek City



Evidences of global warming in Korea

Climate change

Division	1970s	1980s	1990s	2000s	Remarks
Yearly mean temperature (℃)	12.3	12.1	12.7	12.9	

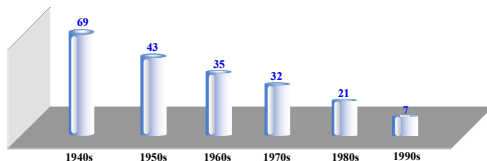
- ① The temperature has been rising by 0.289℃ every 10 years
- ② It is projected that the temperate climate will change to a subtropical climate by the end of the 21 century.
- ③ Number of tropical nights: 2.3 in the 1920s and 9.4 in the 2000s
- ④ According to data released by NASA in July 2000, With Greenland glaciers melting rapidly, the sea water level has risen 23cm in the last 100 years. The ice thickness of Greenland glaciers has been getting thinner by 2m every year, and for this reason over 50 billion tons of water have flowed into the ocean causing the sea water level to rise 0.13m every year.

Evidences of global warming in Korea

Climate change

Division	Spring	Summer	Fall
1920s	About March	Mid May	Until early to mid October
2000s	Early February	Early May	Until late October
Remarks	Advanced by over one month	Advanced by over one month	Deferred by over a fortnight

Number of days of ice formation on Han River



Evidences of global warming in Korea

Annual average number of days of rainfall and downpour

Division	1970s	1980s	1990s	2000s
Annual average amount of rainfall (mm)	1220.6	1324.1	1367.1	1404.6
Annual average amount of rainfall days	113.6	112	110.7	108.6
Annual average amount of downpour days	25	28	30	31

- ① In the summer (June - September), the amount of rainfall was 58.4% in the 1970s and 69.8% in the 2000s
- ② This is a cause of heavy downpours in a short period of time, which increases the possibility of floods in summer and decreases the amount of rainfall in other seasons of the year which leads to an increased possibility of draughts in other seasons.

