**Module 4 - compulsory Exercise: Heat island effect**

**1.  Check the temperature differences in US cities**

Done. It seems mankind has developed habitats that not optimized for their lives and living.

**2. Which are the main UHI effects that you can identify in your area?**

Effect of UHI in Bangkok:

1. The winter season has been disappeared from Bangkok for about 2 decades, while there still winter in rural areas.
2. Day Time temperature in Bangkok day time is quite high 34-39 C most of the year.
3. Polluted air throughout the city.
4. We have to work in air-con office every working day for decades.
5. We have to sleep in air-con room every night for decades.

Image 1 Bangkok, No Winter

Image 2 Samroiyod

**3. Which are the measures you would propose?**

In order to reduce UHI effectively, I would propose to measure and control:

1. Air-Con energy consumption rate
2. Light bulb energy consumption rate
3. Geothermal urban plan
4. Green space ratio on/around building
5. Cover over walkway every street side in the city

**4. Is UHI effect concerning policy making in your area?**

There is no obvious attempt yet.