**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.

Comparing Images: Urban Area and Countryside Area near my Residence

In addition to that,  we want you to provide two images; the first one of a city and the second one of its surrounding rural area (preferably one of those areas is your place of residence). Compare the two images in terms of reasons that contribute to the UHI effect of the city.

**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.