Photo pollution CONSEQUENCES Luminous pollution EFFECTS

Excessive artificial light [] increased

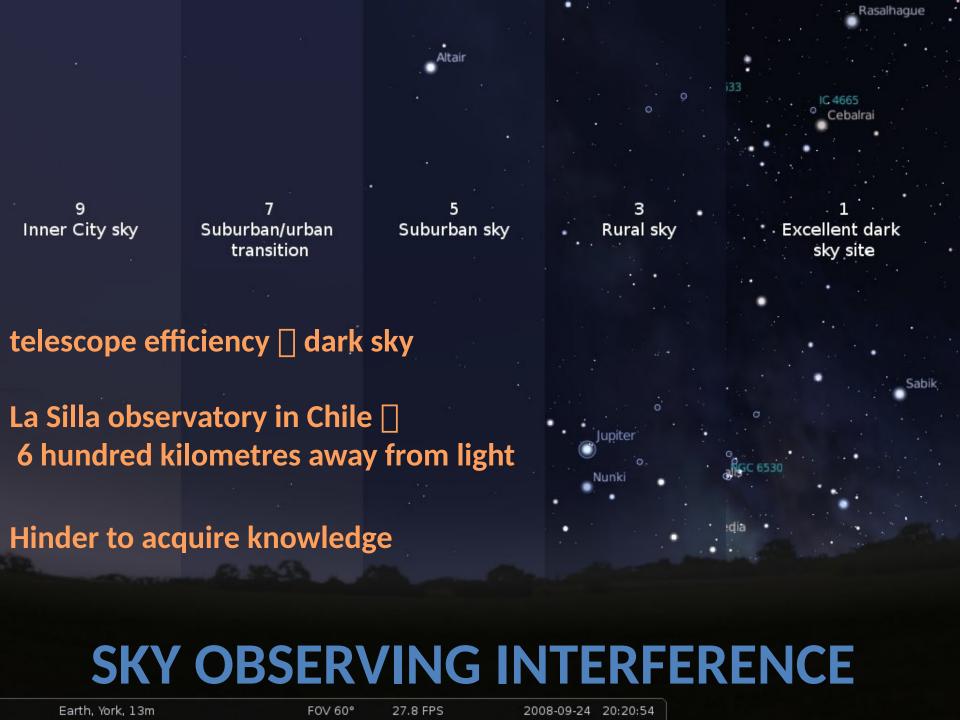
The International Sky Association (IDA) adverse effect:

- -sky glow
- -glare
- -light trespass

- light clutter
- Decreased visibilyty
- Energy waste

- Indoor = lighting in-houses or apartments (North America, Europe, Japan, Middle East, North Africa)
  Outdoor (main pollutants):
  - more necessary (roadside lamps, traffic lights, vehicle lights, road sign lights, emergency vehicle lights...)
  - Less necessary (store, commercial sign lights, the lights that enlight statues and buildings...)

light bulbs energy resol dishwashers energy crysi refrigerators







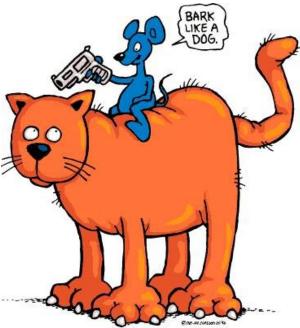
#### **Animals**

- Changed mood & behaviour
- confuse animal navigation
- alter competitive interactions
- change predator-prey relations
- more aggressive





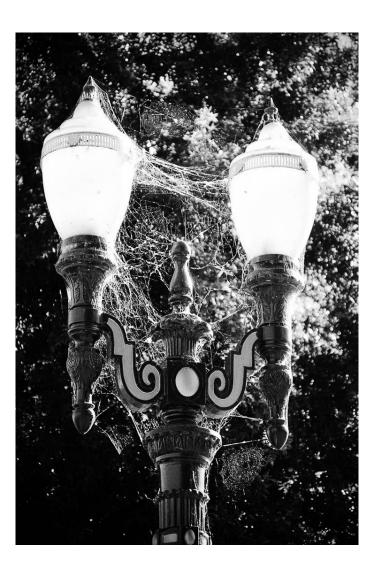




### Disruption of ecosystems

- It can be:
  - beneficial
  - neutral
  - damaging

**Spiders** 



### **SOLUTIONS**

- adjusting light's intensity
- turning lights off
- improving lighting fixtures
- adjusting the type
- evaluating the necessity of lights

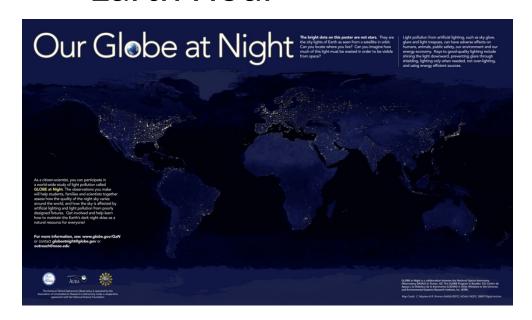








- the IDA
- Globe at Night (global)
- ''Nebo ponoči'' in Slovenia
- Earth Hour







Not really dangerous just disturbing and hindering

#### SOURCES

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- http://en.wikipedia.org/wiki/Light\_pollution, 01.01.2012
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- http://sl.wikipedia.org/wiki/Svetlobno\_onesna %C5%BEenje, 30.12.2011
- Pictures: Google