My Sky at Night

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GFZ GIS Day Potsdam, Germany November 18, 2015





MYGEOSS



- European Commission project (H2020)
- Promotes bringing (open) EO data to the people
 - Especially from the GEOSS Data-CORE
- All data must be open
- All code must be released under EUPL (allows commercial use)
- 18% success rate in 1st call
- Next call March 15 2016, Due early April

"Open data isn't enough, we need to ensure discoverability, accessibility, usability, preservation, and curation."





MYGEOSS – example 1st round winners

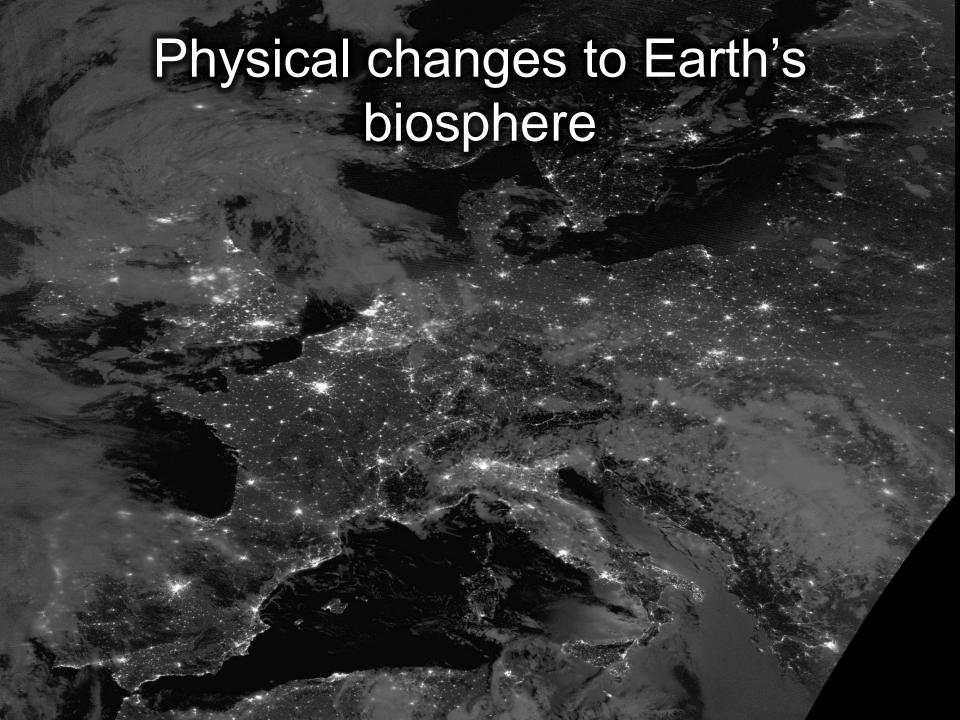


- Vegetation phenology app based on CS data
- Near real time dust storm monitoring and impact assessment
- Hazards alert app (floods, fire, etc)
- Local air quality forecast
- Invasive species tracking apps
- Game for 6-12 yo about air pollution
- Scuba diver info sharing app

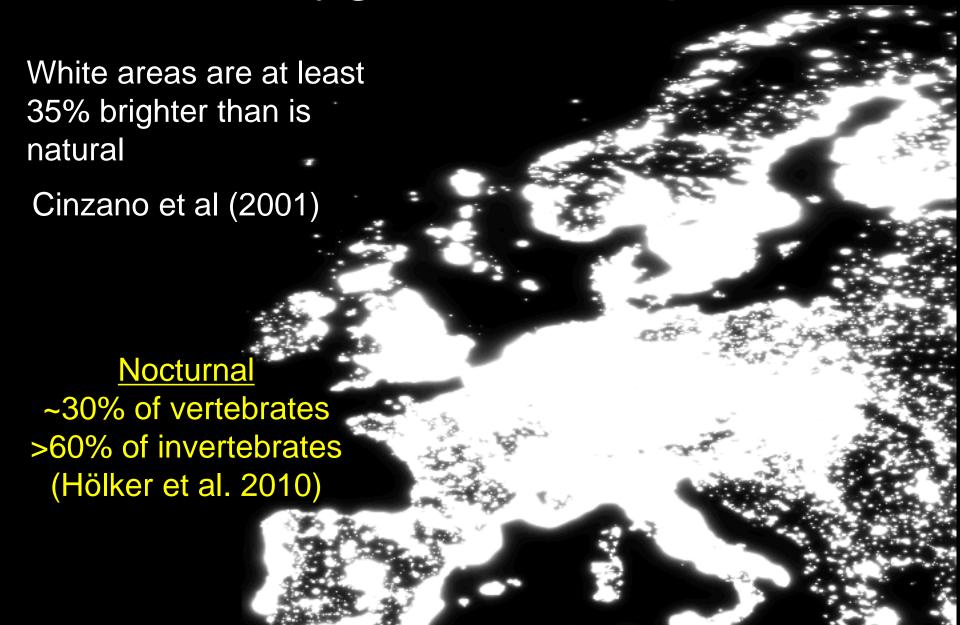


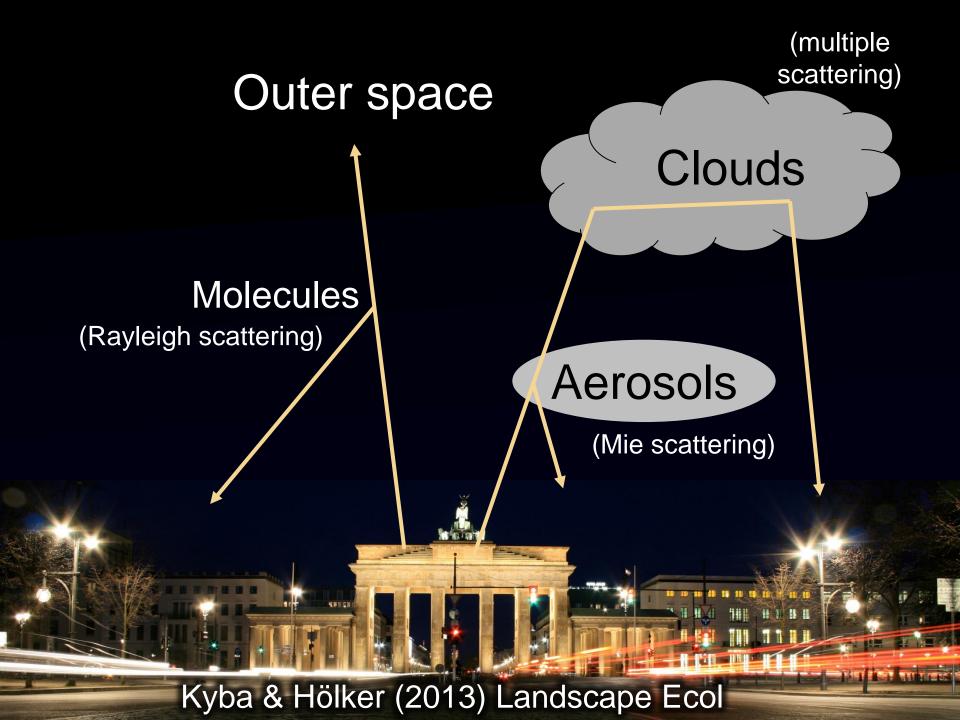






Skyglow in Europe





Outdoor lighting is changing rapidly!

Milan 2012

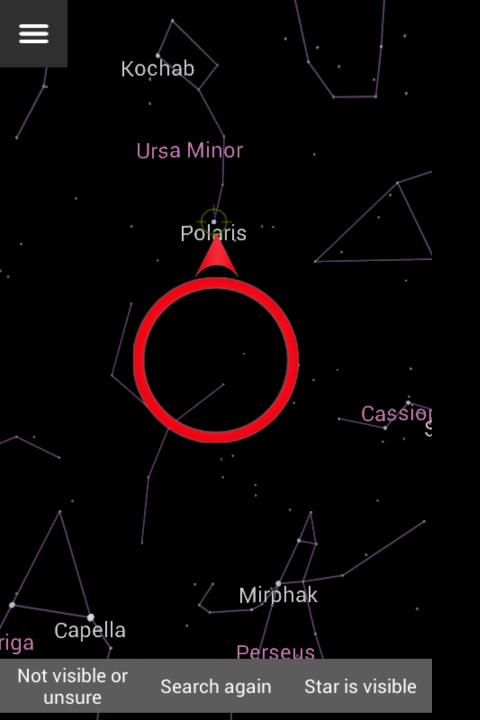
Milan 2015





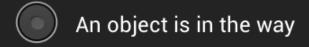
Photos: ESA/Cities at night/IAU/NASA

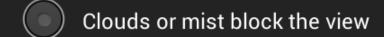
Related work: Kyba et al. (2015) Remote Sens

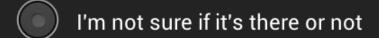


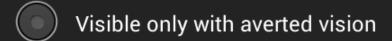
STAR NOT VISIBLE

You selected the option Not visible or unsure. Please tell us more about the reasons.











Back Submit

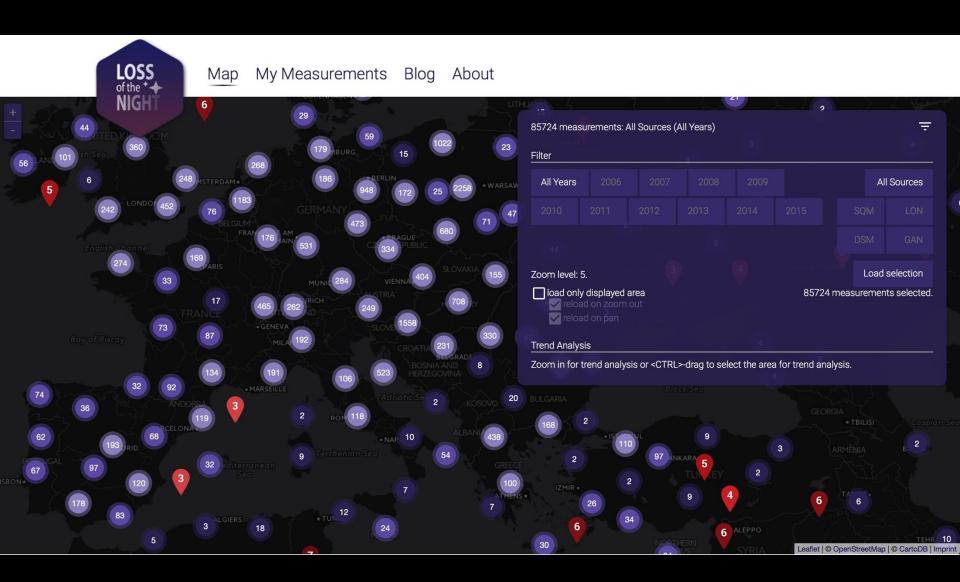
Not visible or unsure

Search agair

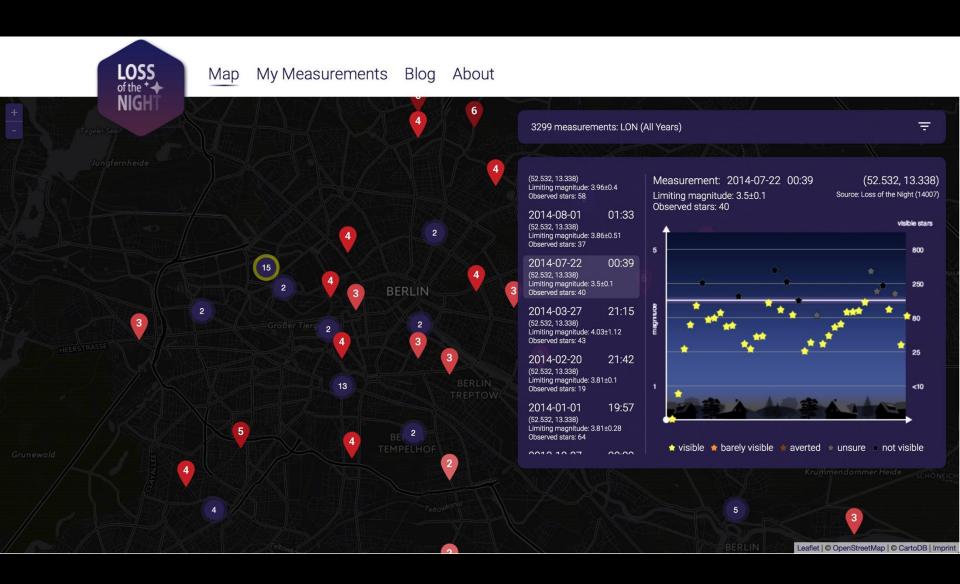
Star is visible

DETRINADA

Observation Locations



Examining data points



Examining data points

2015-09-19

23:20

(37.970, 23.722)

Limiting magnitude: 3.67±0.1

Observed stars: 14

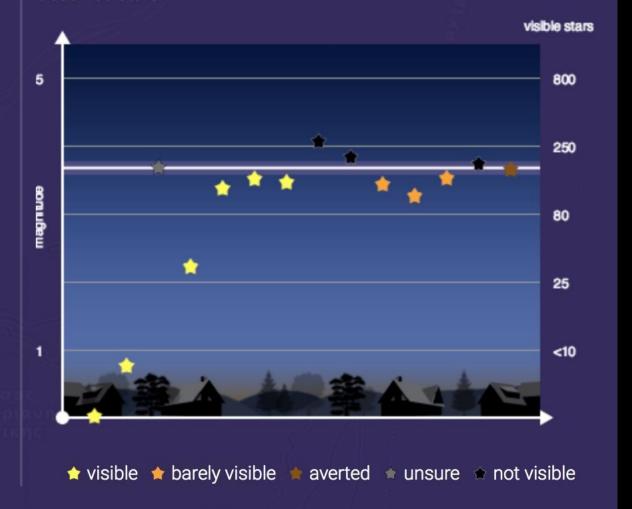
Measurement: 2015-09-19 23:20

Limiting magnitude: 3.67±0.1

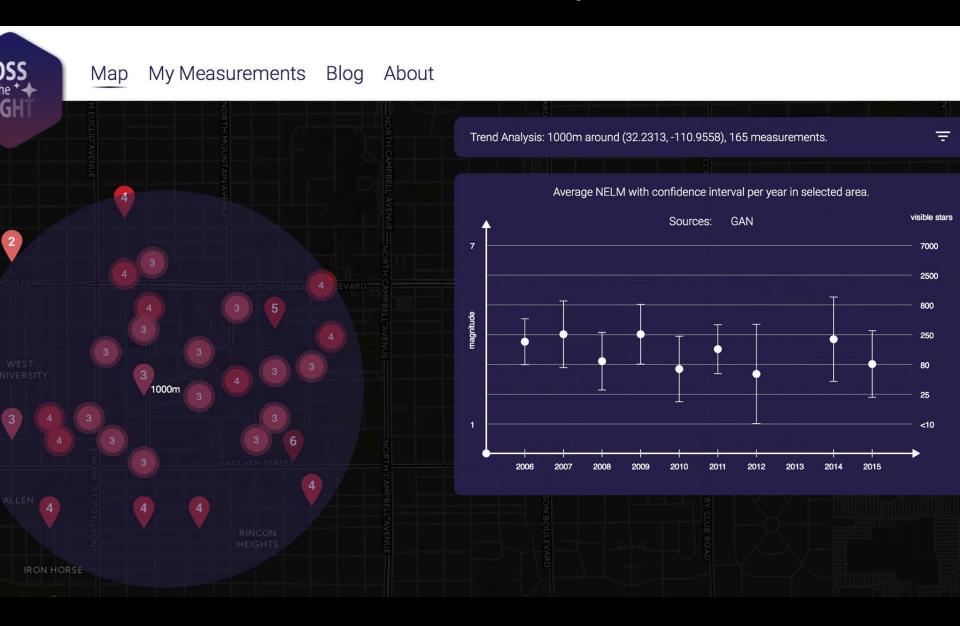
Observed stars: 14

(37.970, 23.722)

Source: Loss of the Night (25506)



Trend Analysis



Acknowledgements



MyGEOSS, Horizon 2020

GFZ German Research Centre for Geosciences

Verlust der Nacht funded by the German Ministry of Education and Research BMBF-033L038A