

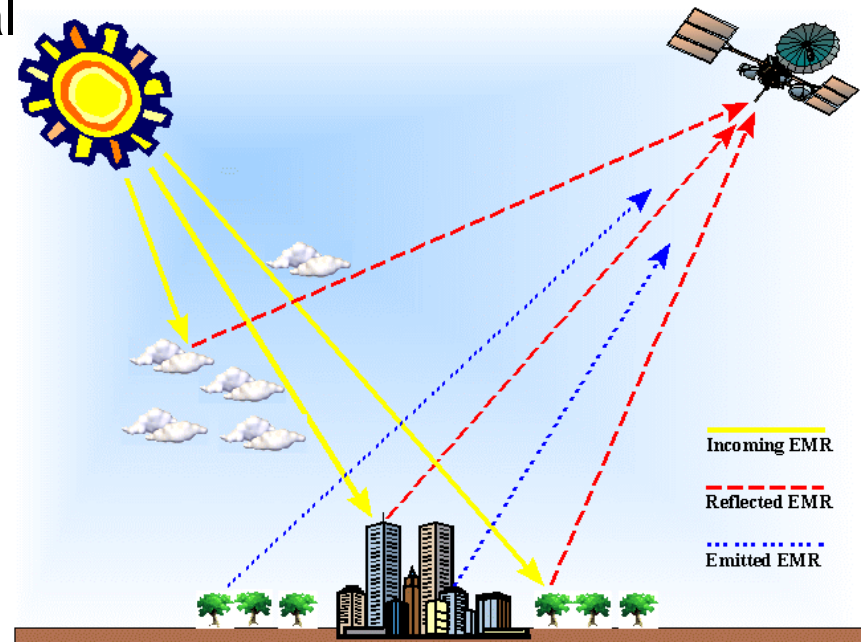
Earth observation and geographic information in support of policy/planning cycle, SDG

DN for NC1 2017-08-23

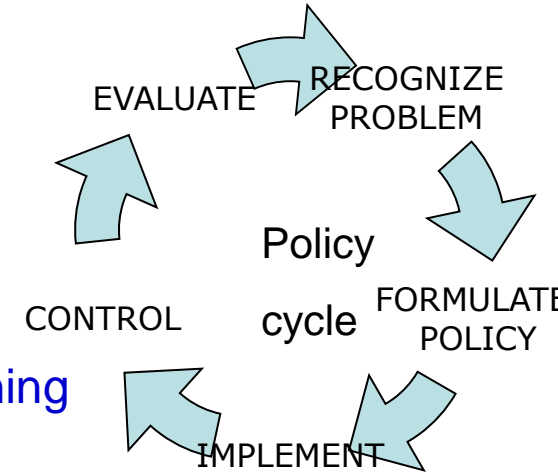
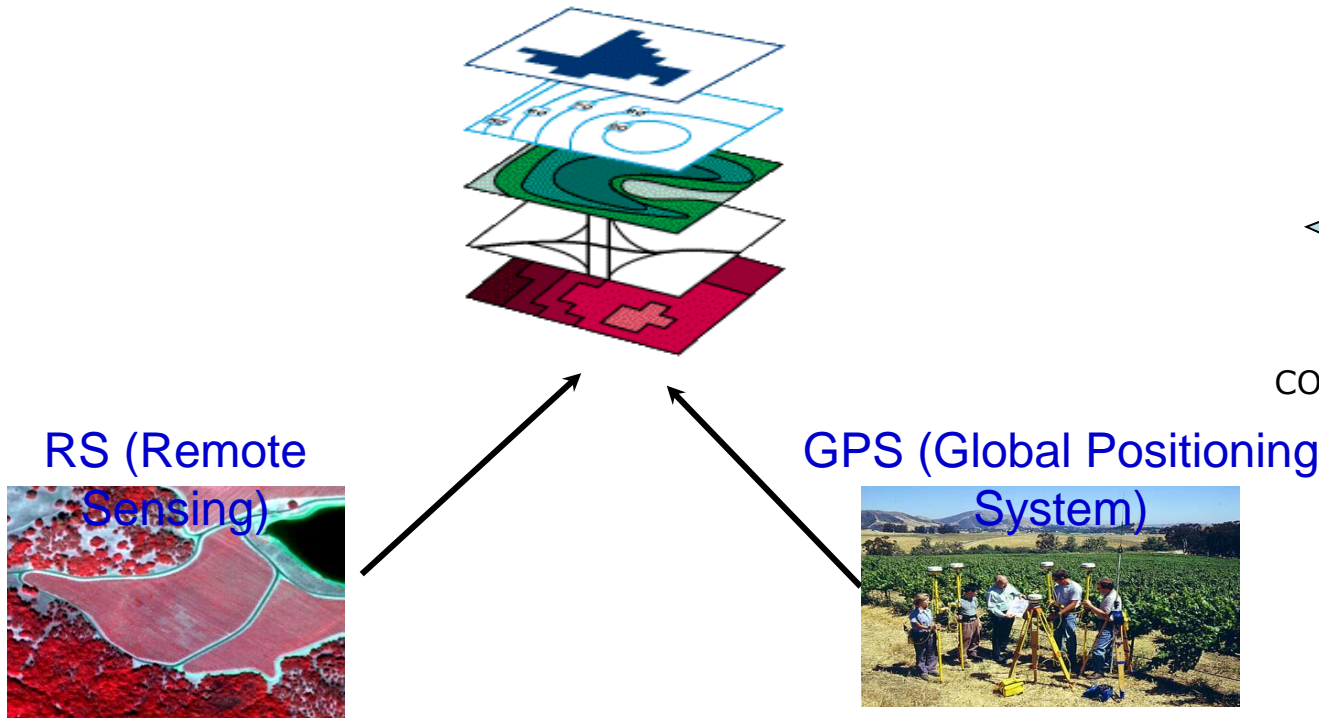
Why GIS and EO?

Limited awareness of EO' and GIS' s potential

- Spatial and temporal advantage
- Vast country, sparse population
- Depicts reality
- Handy visuals for interdisciplinary analysis; scenario building and spatial planning



GIS (Geographic Information Systems)



1 NO POVERTY



Health Insurance and Poverty

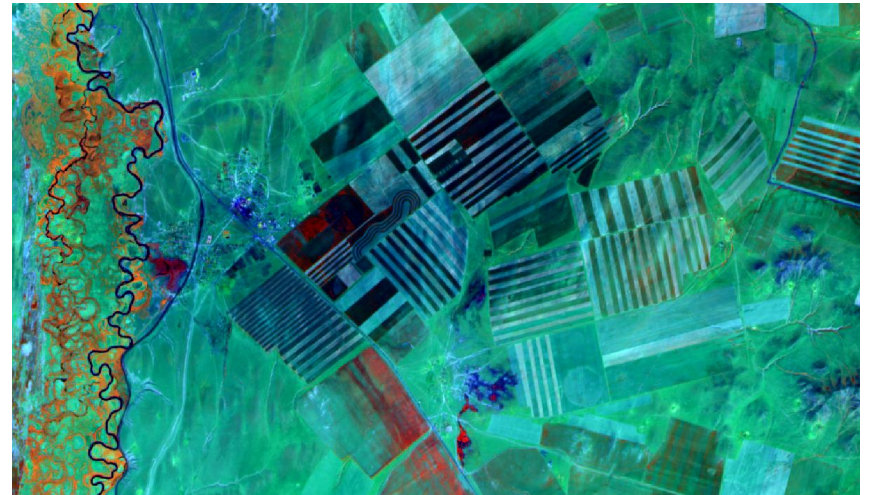


Vulnerable Populations





Actual crop yield production



3 GOOD HEALTH AND WELL-BEING

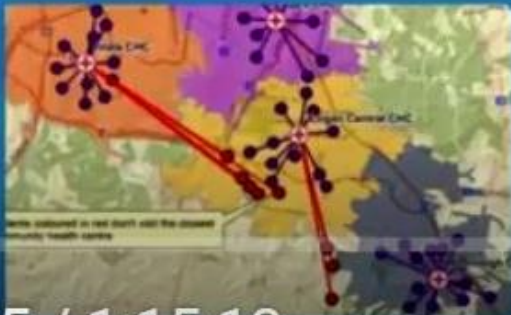


Health Care Accessibility



Sweden

Access to Health Facilities



5 / 1:15:13

Queensland, Australia

Infant Mortality



Columbus, OH

Response



Liberia

4 QUALITY EDUCATION



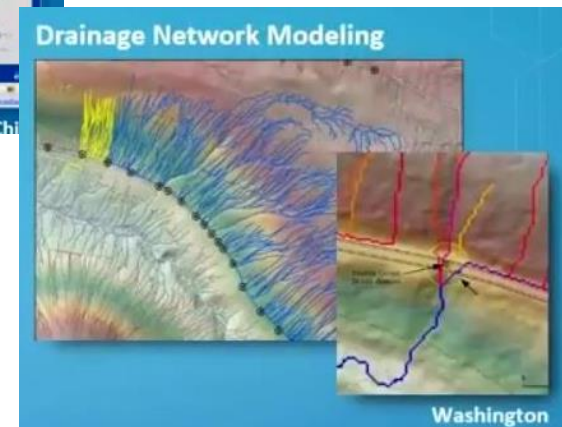
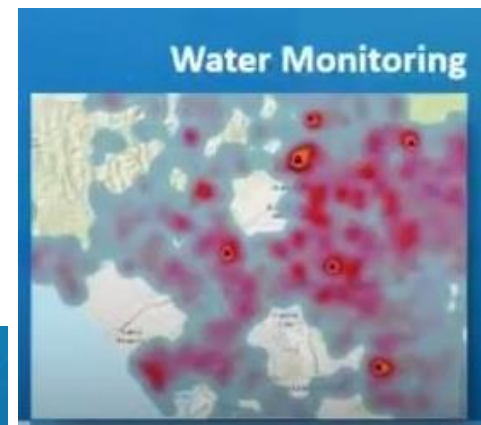
School Performance



Tanzania

Traffic Accidents and Schools







9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



10 REDUCED
INEQUALITIES



Smart Network Management



Denmark

Job Accessibility



Denver

Fiber Management



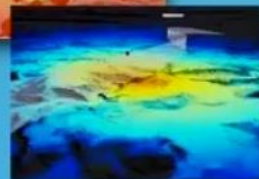
Income Inequality



Boston



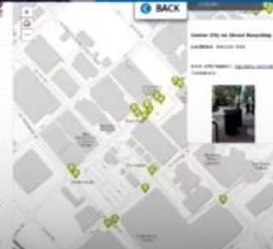
Noise Pollution



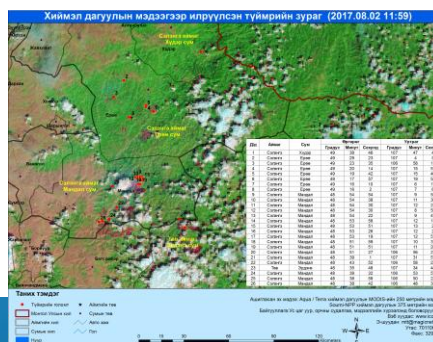
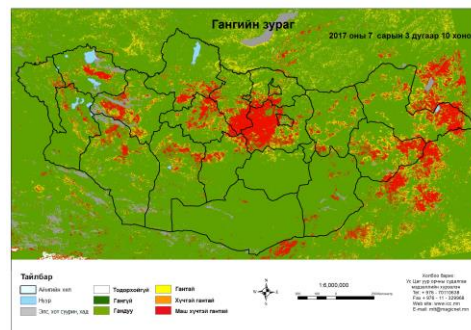
Urban Heat Islands

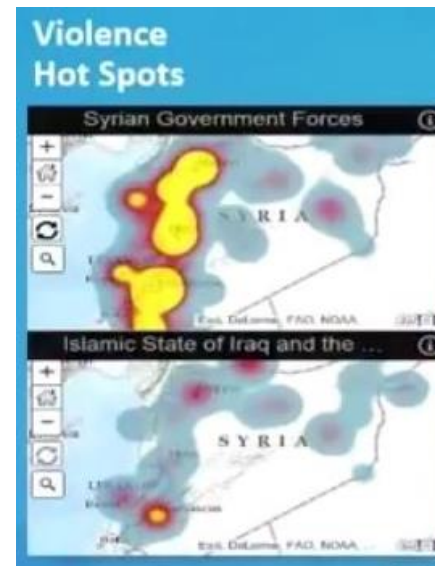


POWER2
Charlotte Green
Four



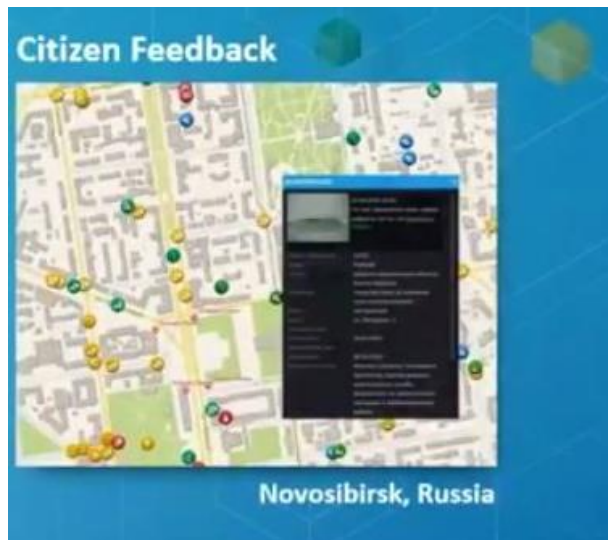
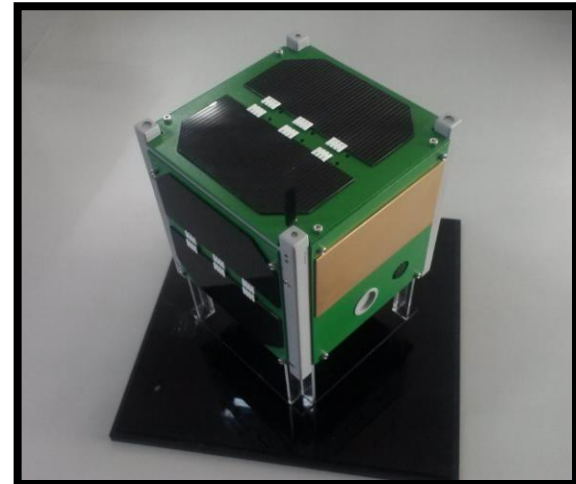
Wisconsin







Mazaalai small satellite, with spatial resolution 100 m



Reference

- <https://www.youtube.com/watch?v=mGODDyXlh4I>
- <http://eic.mn>
- <http://icc.mn/>
- de Leeuw, J., Georgiadou, P. Y., Georgiadou, Y., Kerle, N., Kerle, N., de Gier, A., ... Narantuya, D. (2010). The function of remote sensing in support of environmental policy. 2(7), 1731-1750.
DOI: [10.3390/rs2071731](https://doi.org/10.3390/rs2071731)

Control: ex., olive subsidies

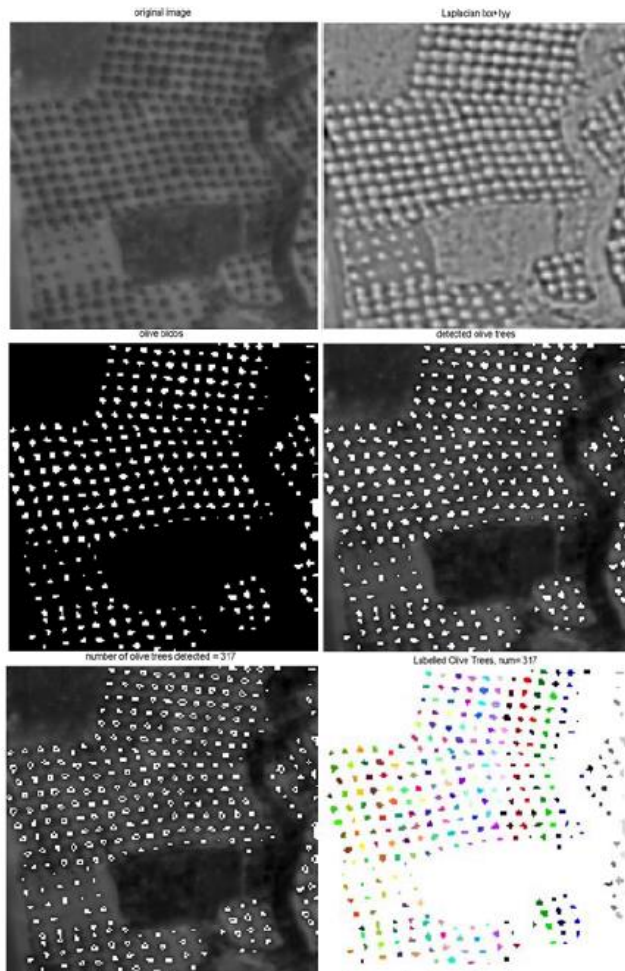
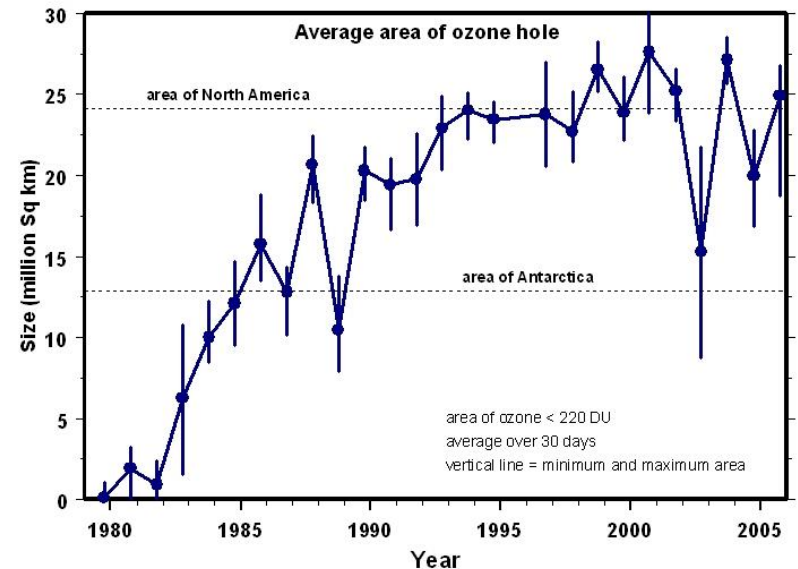


Figure 4. Olive tree extraction and numbering in an IKONOS 4 meter ground resolution image.

EO to policy evaluation

- Montreal protocol:
 - reduce CFC
 - restore ozone layer
- Effectiveness policy?
- TOMS monitors ozone concentrations



From: Ozone processing team Nasa

Thank you!

Everyone shares and everyone benefits