GAMES FOR HEALTH EUROPE 2025

DISCLOSURE SLIDE

for presentations at the

GAMES FOR HEALTH EUROPE 2025 CONFERENCE

I herewith confirm that there is not any conflict of interest with the conference organization or any of its sponsors.

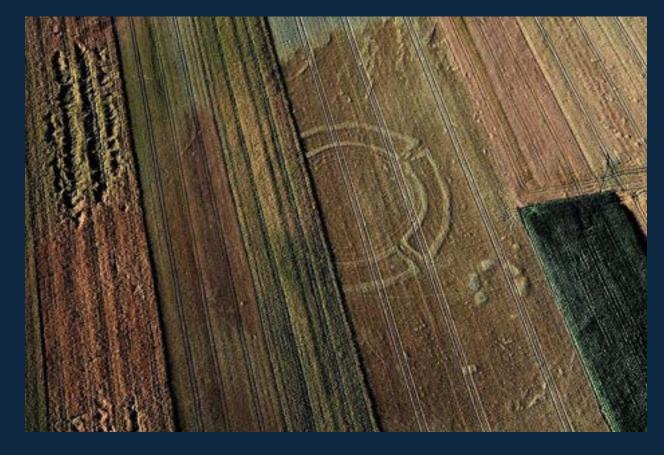
Games 4 Society – How Gaming Can Improve Remote Sensing of the Earth

Marco Beijersbergen, cosine | Leiden University

December 2024

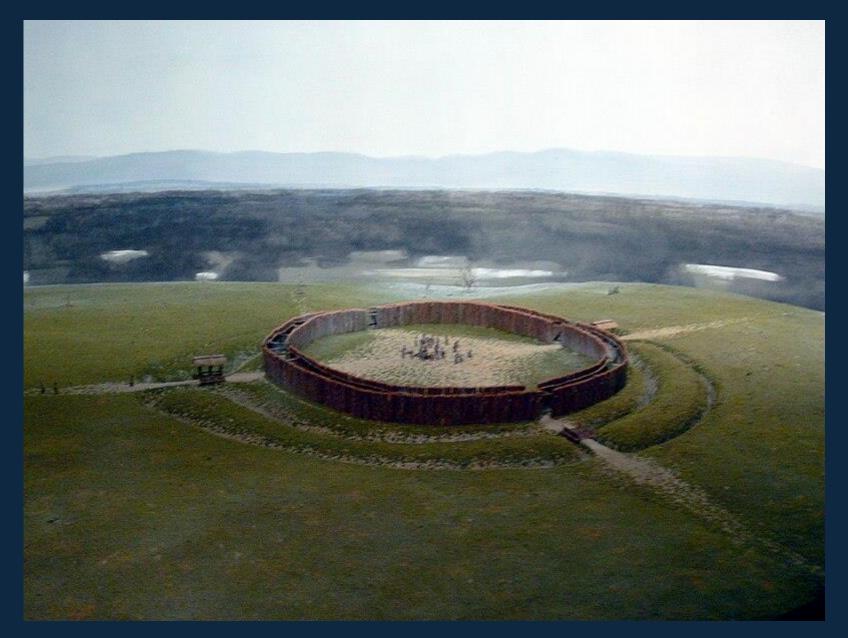


Aerial lidar surveys reveal ancient settlements in the Campeche region of Mexico By Luke Auld-Thomas / Antiquity via Cambridge University Press

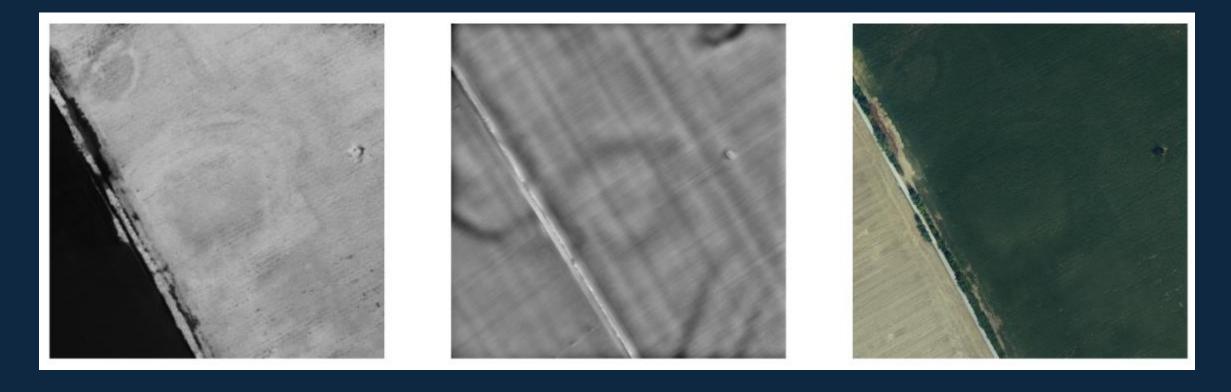




Aerial image of a Neolithic rondel enclosure from Drzemlikowice, SW Poland revealing a series of broad and narrow curvilinear crop marks which are caused by subsurface man-made changes in the soil. *By Piotr Wroniecki, CC BY-SA 2.0* RGB image of rondel *By cosine*



Neolithic wooden circular ditch (4840-4590 BC) in Künzing-Unternberg (reconstruction). By Museum Quintana , CC BY-SA 2.0



infrared

LIDAR

visible



By <u>Joostik</u>, CC BY-SA 3.0

Too small training set for AI: 120 – 150

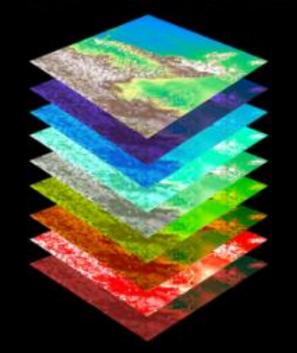
Too much data for experts alone



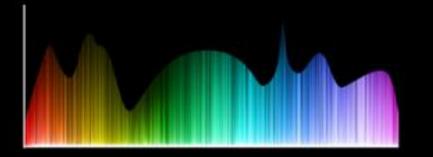


cosine | remote sensing

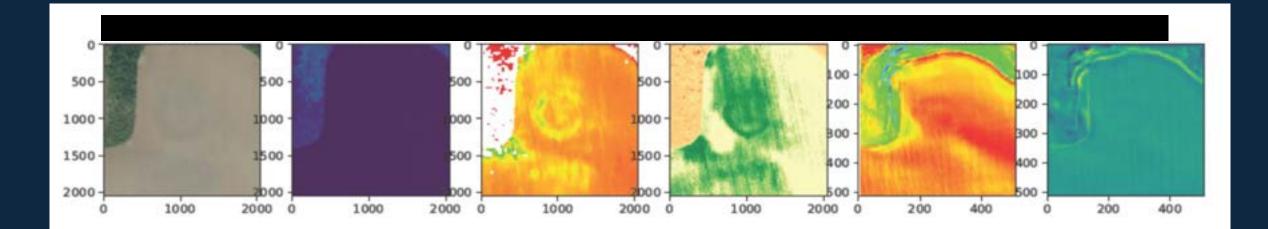
credits cosine/Hyperscout

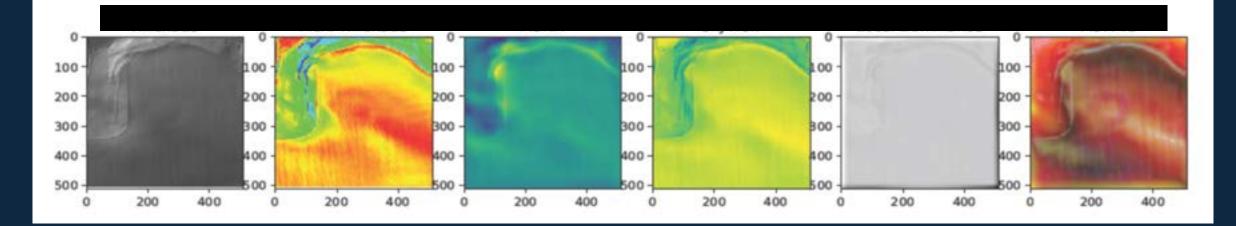


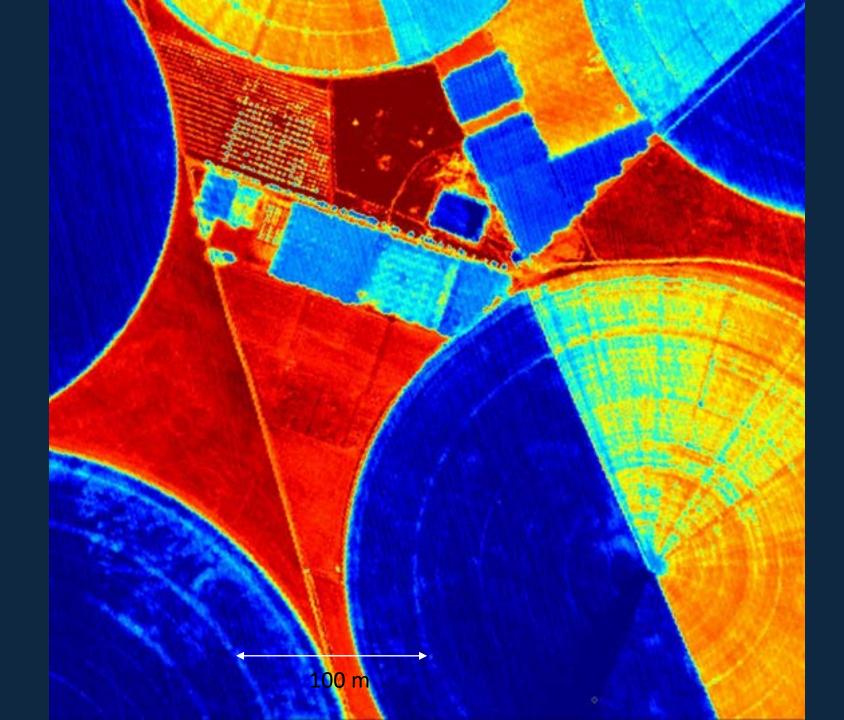
hyperspectral imaging

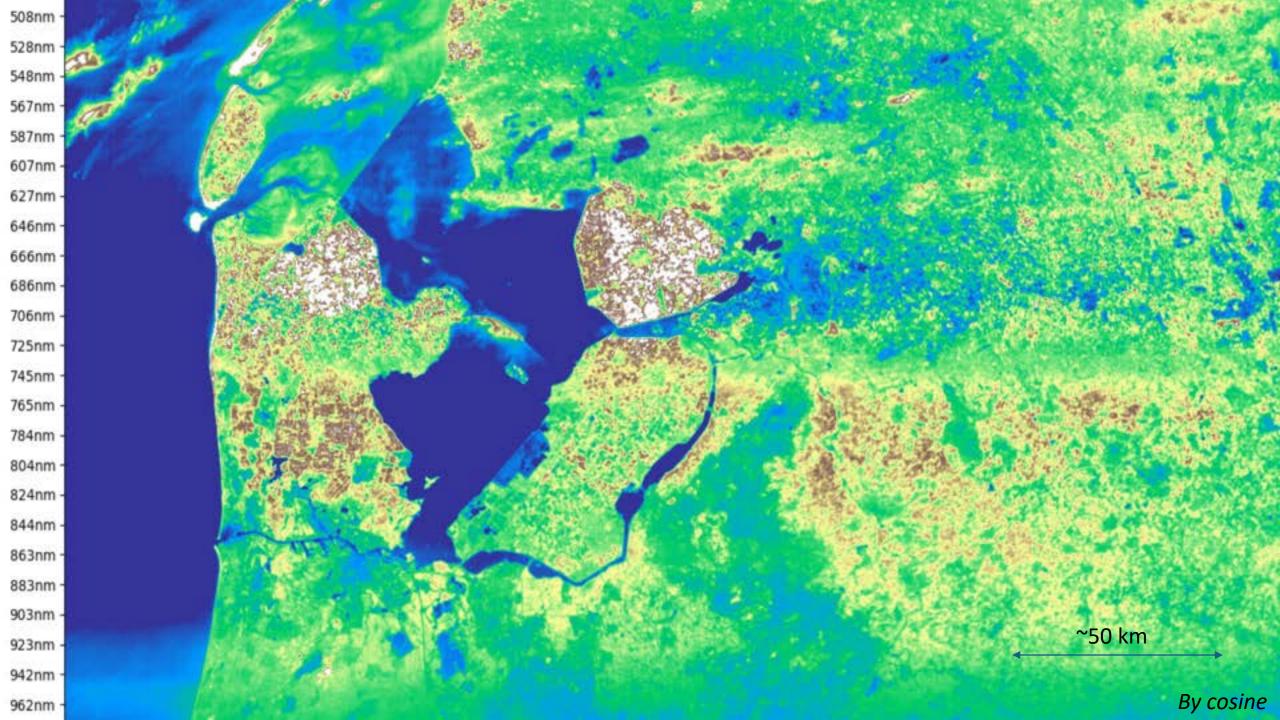


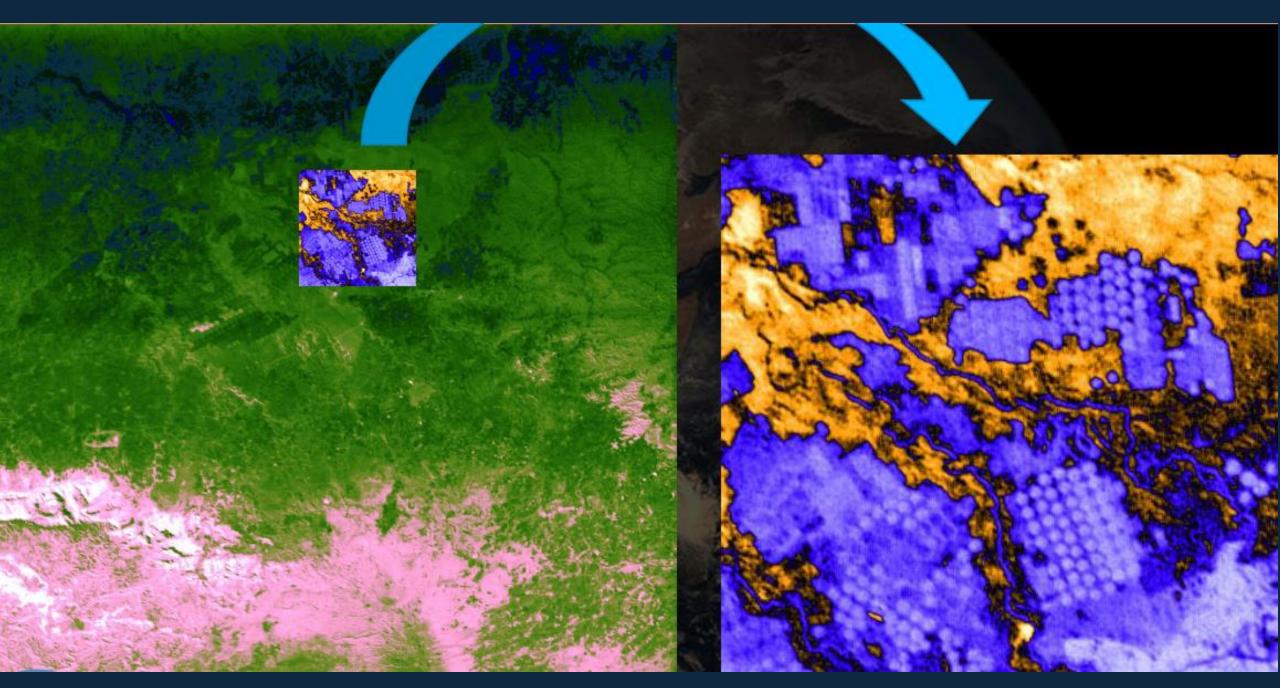
cosine

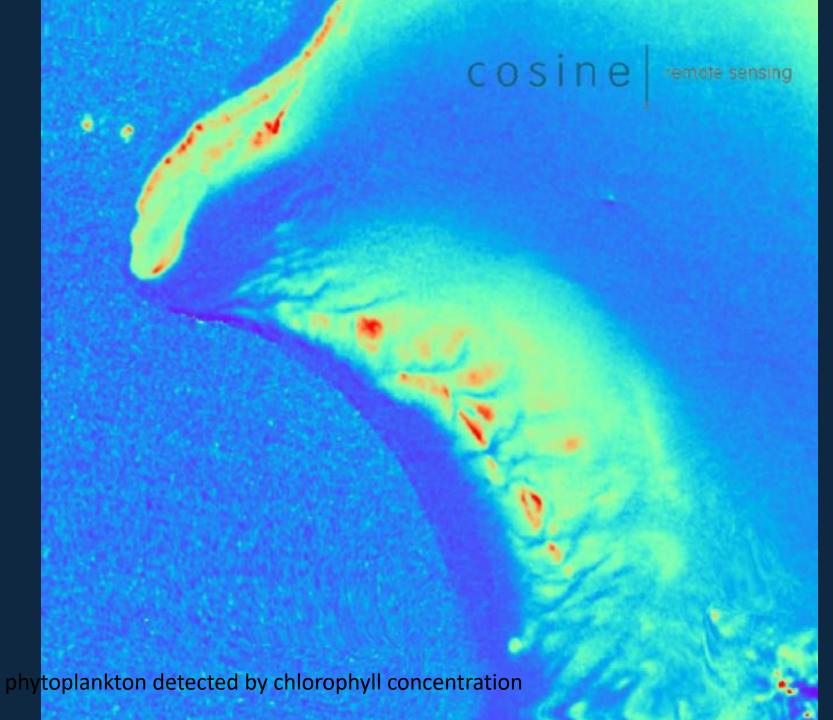


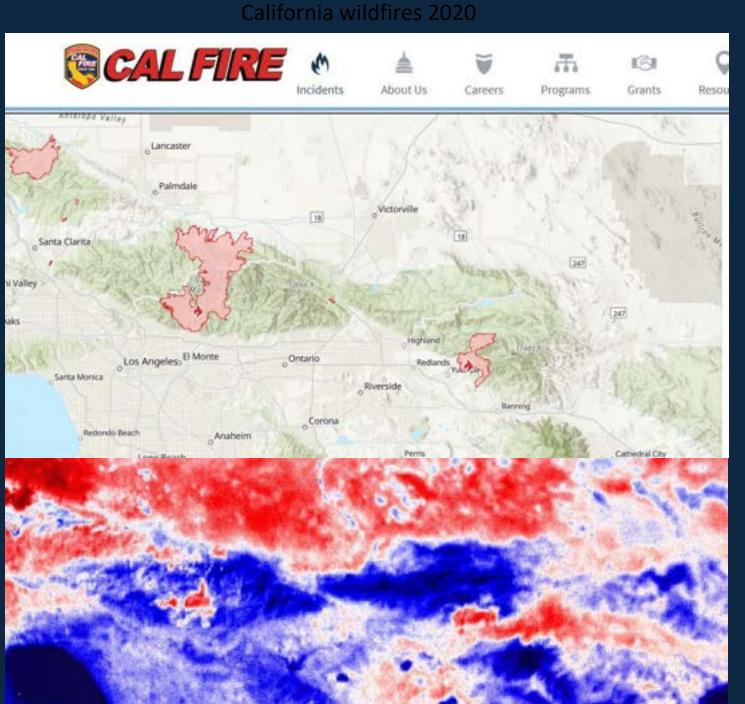




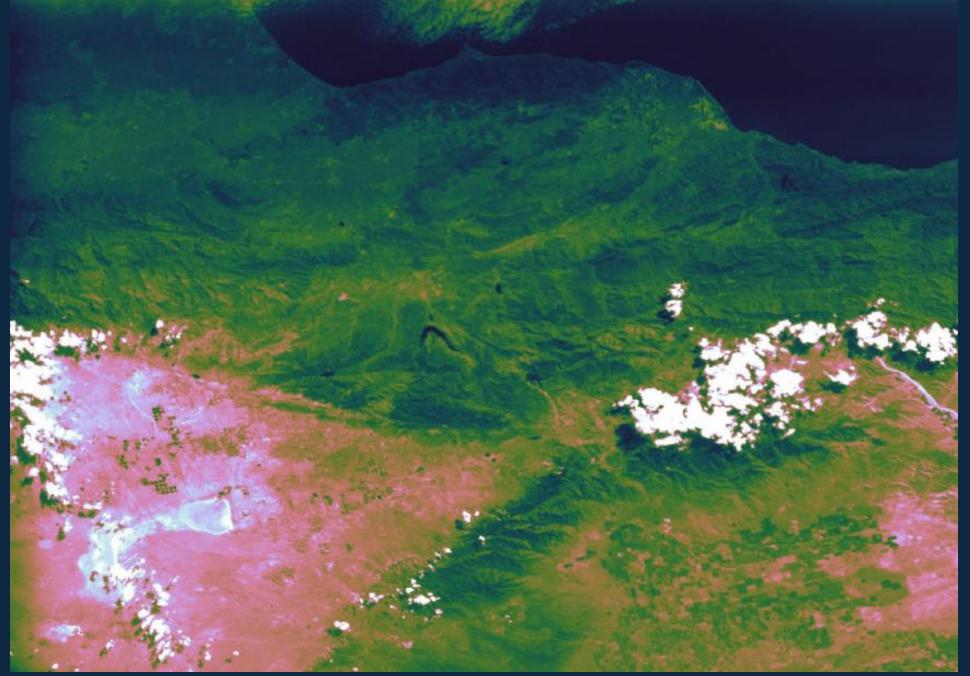






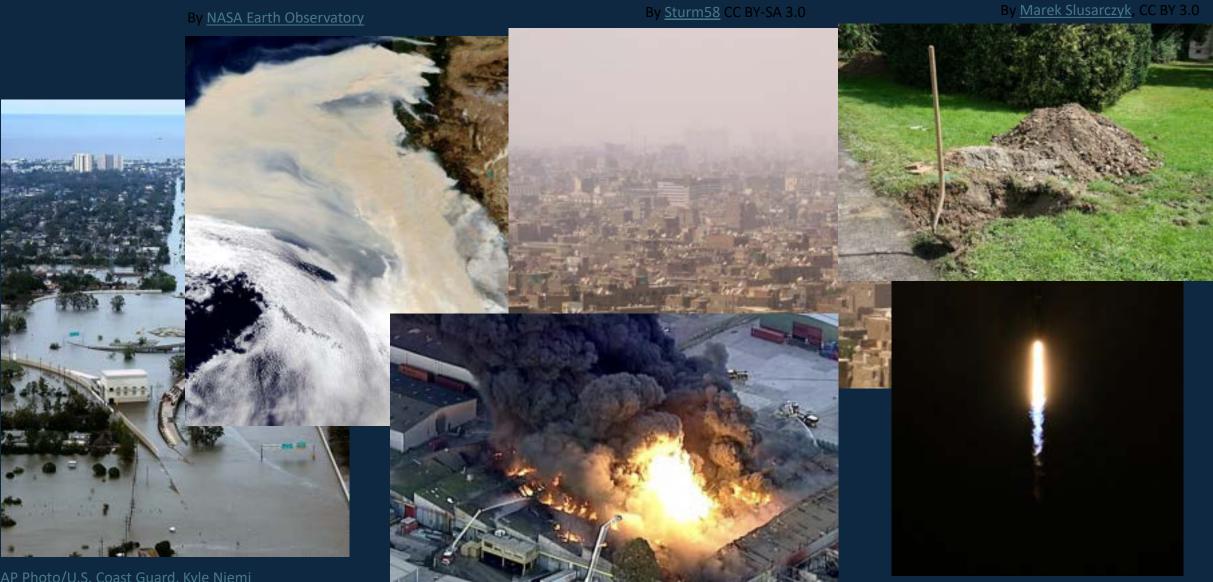


By CalFire



By cosine

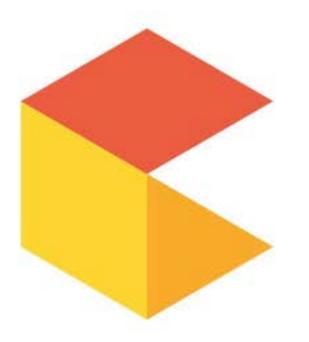
Who can find this in near-real-time satellite data?



*Mare and Delmos spectrally captured by HyperScout during Here flyby



cosine | HyperScout



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2025