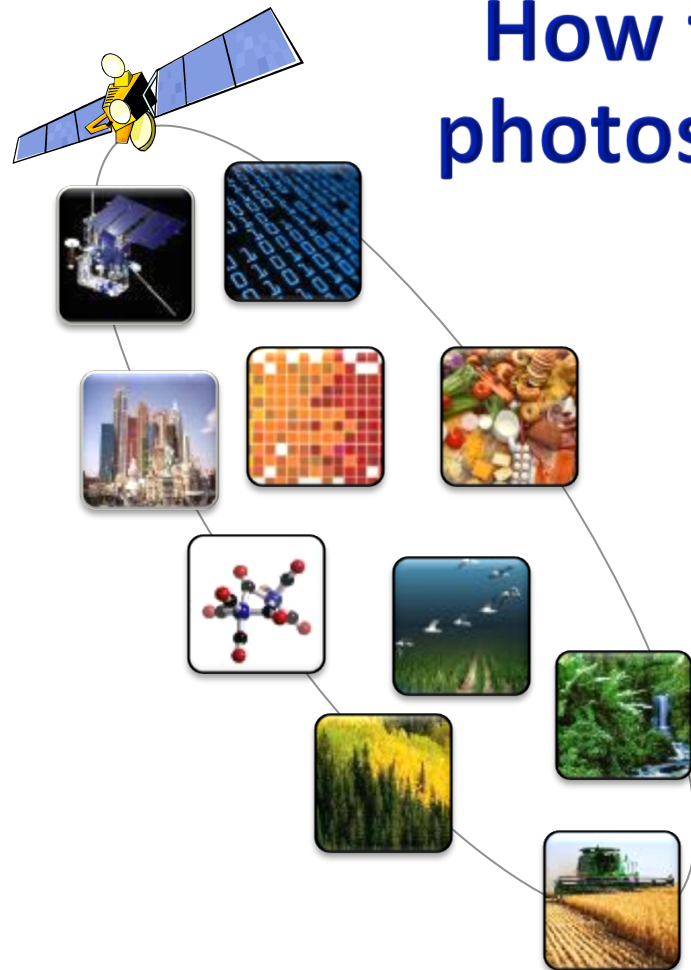


How to take geo-referenced field photos for monitoring land use and land cover changes

Bridging the Gap

Connecting Citizen Science ↔ Earth Observation

www.eomf.ou.edu/photos



How to take field photos as ground truth data?

- 1. Orientation:** Taking picture looking the at the center of the field as well one picture at each direction (N,E,W,S) will give general pattern of the landscape, size of the field and neighborhood features. See below example for photo direction and ordination;



One vertical picture at breast height will provide percent cover of vegetation, soil, etc, similar to how satellite see objects on the Earth surface.

How to take field photos as ground truth data?



Example: a picture of rice paddy field in Bali, Indonesia

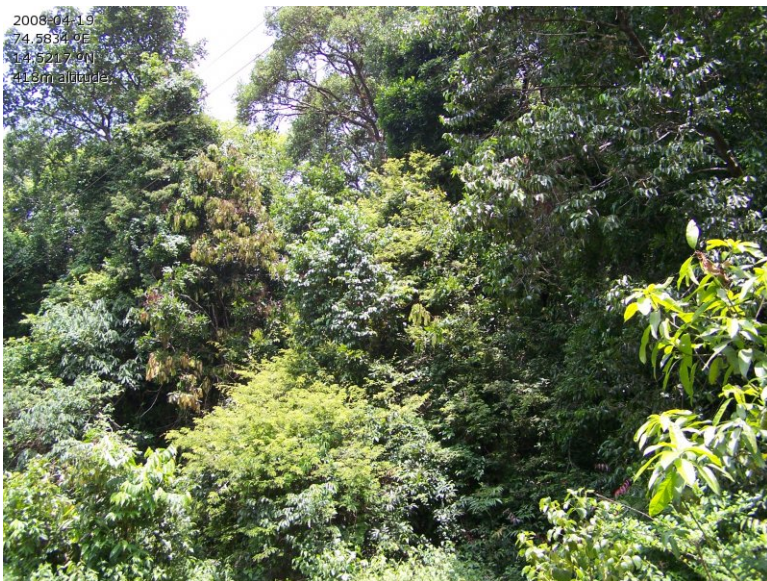
Some example of the Land use and land cover classes



Croplands (Rice paddy fields)



Plantations (arecanut)



Forests (evergreen forest)



Shrublands (mixed temperate shrublands)