

Understanding the Kilimanjaro research design

Course – Upscaling biodiversity



Kilimanjaro study area

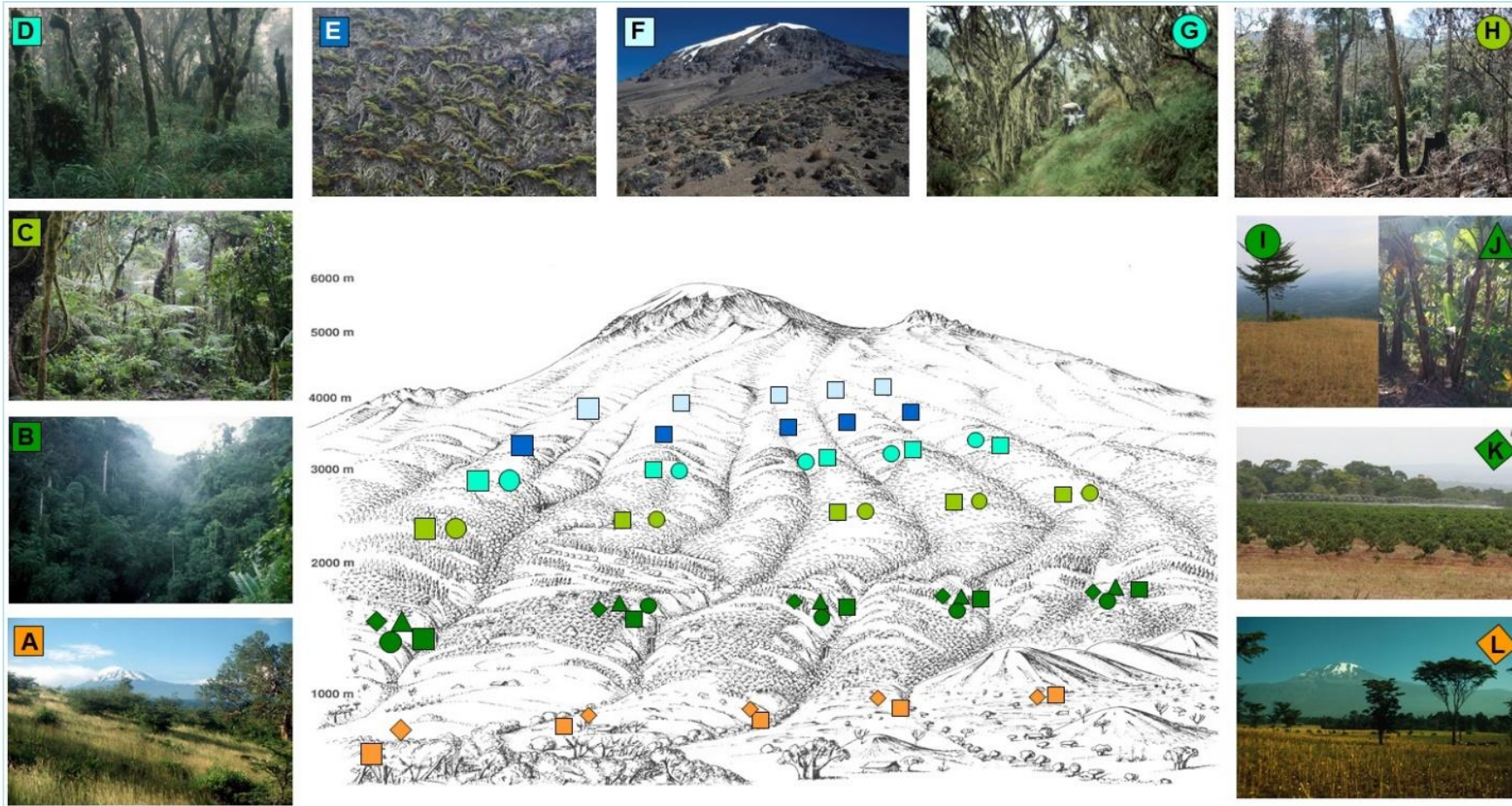
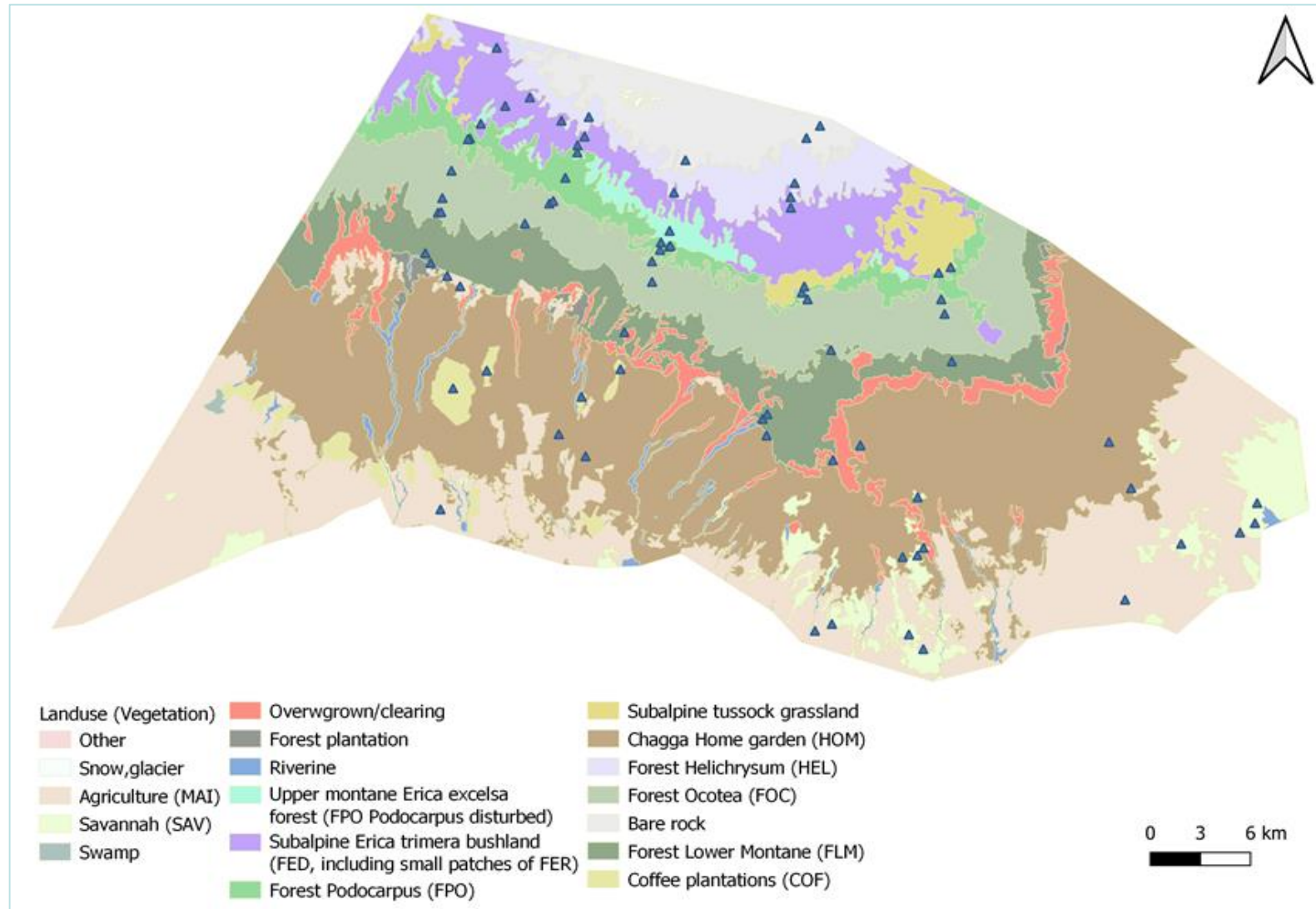


Figure 1. Schematic representation of the general study design of the KiLi Project 1. The KiLi Project 1 collected data in the 12 major ecosystem types of Kilimanjaro, 6 natural (A–F, squares) and 6 disturbed ecosystems (G–L, other symbols)

Image and text source - <https://www.kilimanjaro.biozentrum.uni-wuerzburg.de/project/Methods.aspx>

Location of the study plots for each habitat type



What do the plots look like

- 65-67 plots
- Size ~ 50*50 m (some variations)
- Each plotid is labeled with first three letters indicating the land use type and followed by a number. Eg. cof1, cof2, flm1, flm2
- You will definitely find missing data for some plots thus upscaling should be limited to ecosystem types.
- The plot shapefile is – “Bpolygon.shp”
- Coordinated reference system to use - UTM 37S

Available open data sources



[Pangea Database](#) – search for “Kilimanjaro research group”



[gfbio](#)

References that should be included

- All the data sources – including open-access data
- For data provided in the course – use the Kilimanjaro SES project as a reference
- Note – The sharing of the data outside the course is restricted.