Ecological Data
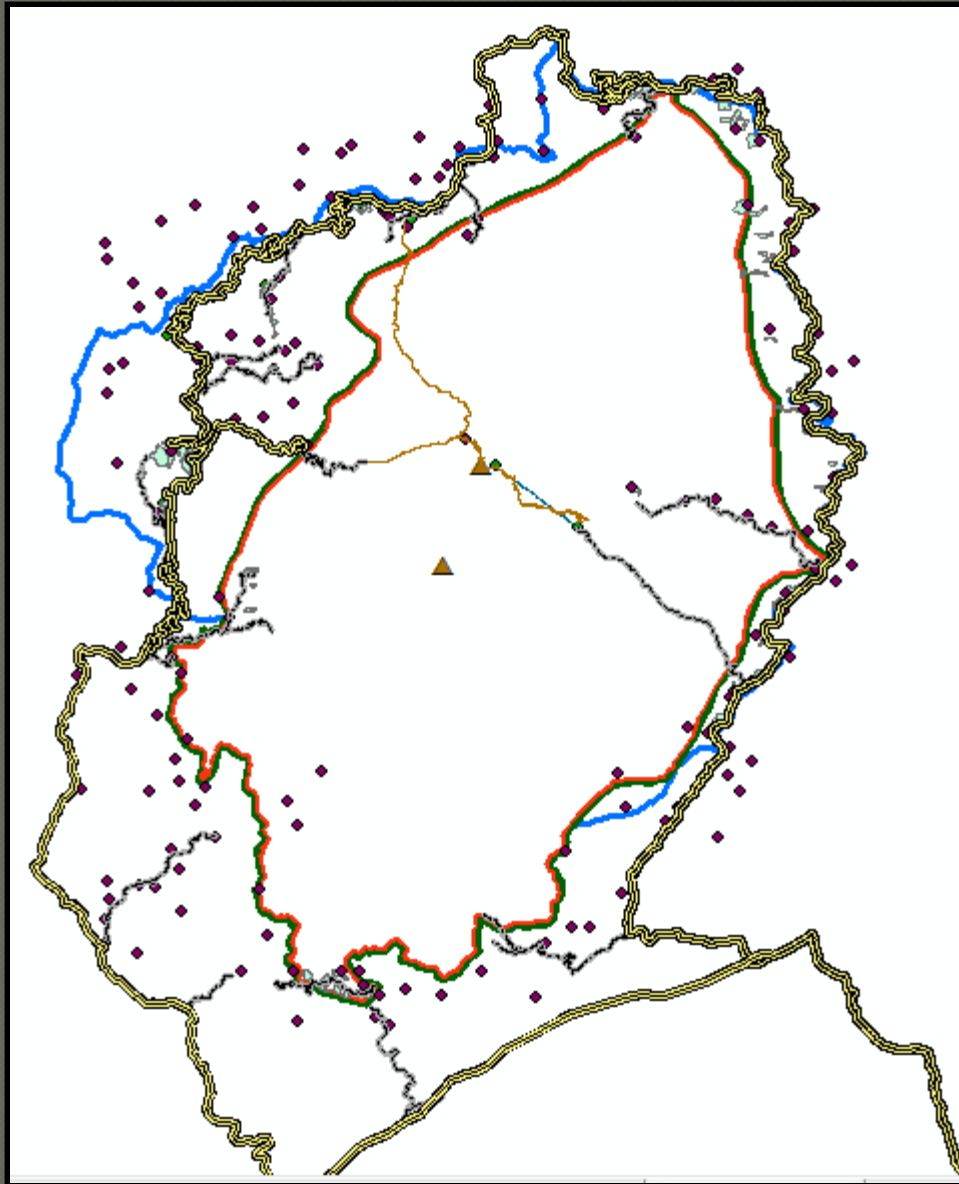
project summit meeting
Hsiang Ling Chen

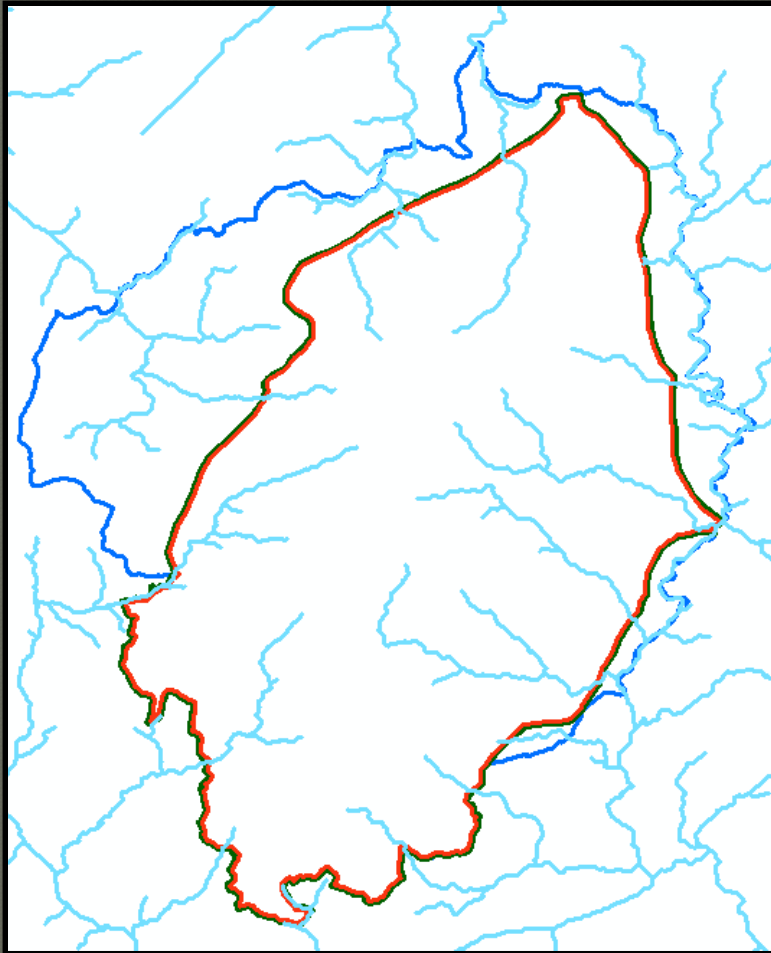# Dataset

- GIS (FNNR)
- Vegetation plot (2015-2016)
- Camera trapping
- Vegetation plot (2012-2014)
- Where to find (An's research)

GIS

- Boundary
- Roads
  - Main roads
  - Dirt roads
- Trail
- Cable car route
- Villages
- Peak
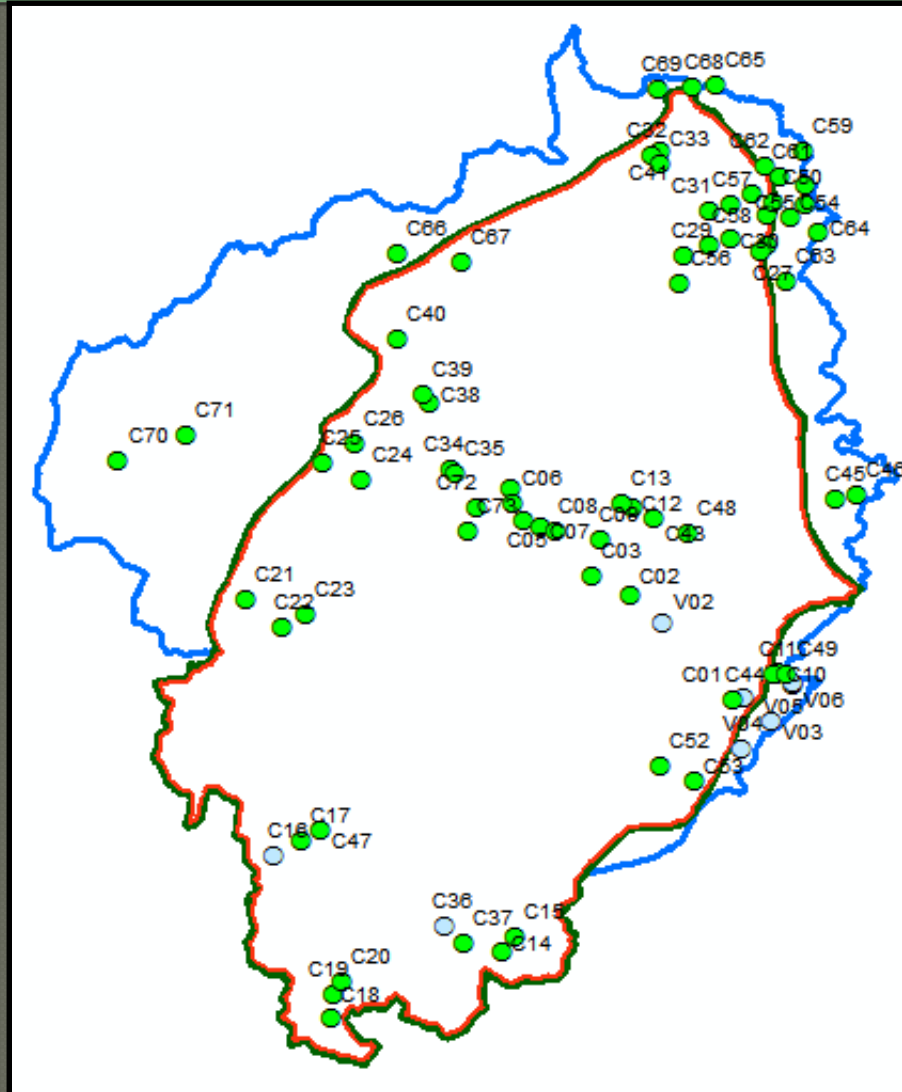- PES (areas & points)
- River

GIS

- Boundary
- Roads
  - Main roads
  - Dirt roads
- Trail
- Cable car route
- Villages
- Peak
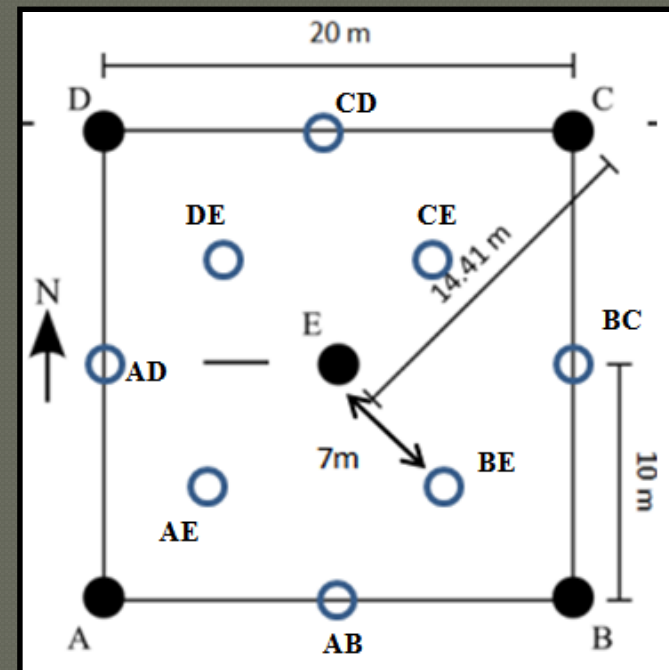- PES (areas & points)
- River

Vegetation plot (2015-2016)

- 79 vegetation plots (71 camera sites)

Environment

- Forest type
- Cover
    - Canopy fractional cover (CFC)
    - Understory cover
- Plant species (ground, midstory, overstory)
    - Diversity & richness
- Forest structure
    - Tree height
    - Diameter at breast height (DBH)
    - Number of tree
- Topography
    - Slope (ground measure & DEM)
    - Aspect (ground measure & DEM)
    - Degree to north
    - Elevation
    - Distance to river
- Human activity
    - PES plot or not
    - Signs of human activity
    - Distance to villages
    - Distance to roads
    - Distance to trails
    - Distance to cable car route

Data storage: vegetation plot (2015-2016)

- Datasheet
- Access database with camera setting record (electronic copy of data)
- Summary table (excel)
  - Environment
  - Detection of human or livestock by cameras in 2015
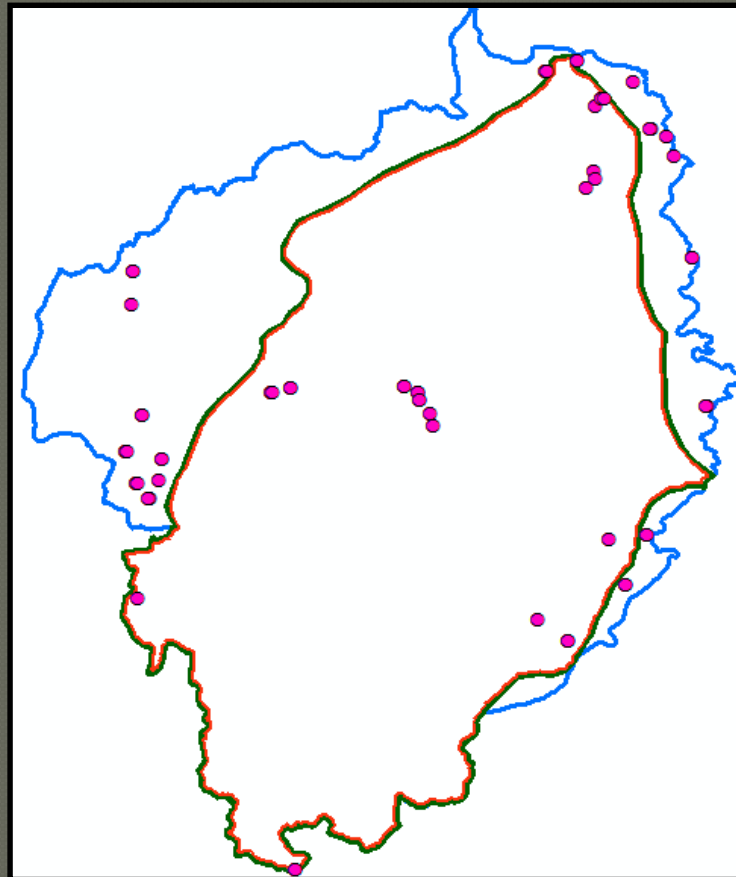 - Wildlife species richness (2015)

Camera trapping

- Spring, 2015 – summer, 2016
- Photos & videos
- Photo processing (spring,2015 – spring, 2016)
  - Date/ Time
  - Camera station
  - Species (wildlife, human, livestock)
  - Number of individuals
  - Sex, age class

Data storage: camera trapping

- Processed photos & unprocessed videos (hard drive)
- Excel table of camera trapping photos
- Survey covariates & detection history (excel)
- Probability of occupancy of wildlife & livestock (not available now)

Vegetation plot (2012-2014)

- 57 records (about 35 plots)
- Environment (same as vegetation plots of 2015-2016, more missing data)

Data storage: vegetation plot (2012-2014)

- Datasheet
- Access database (electronic copy of data)
- No summary table