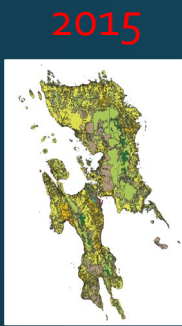


Session

Data adjustment
(geometry, overlaps, gaps)

Session

Session



- Identification of improbable transitions (aggregated view)

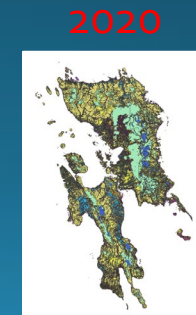
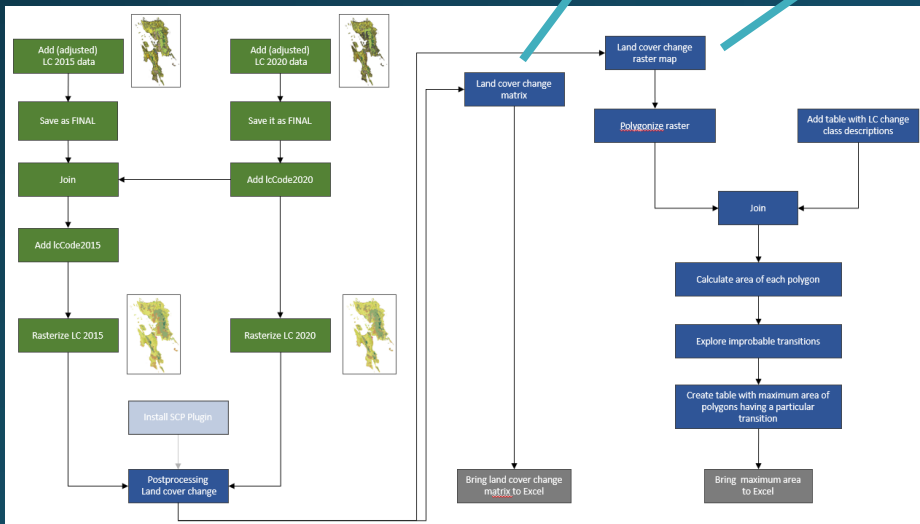
V_ReferenceClass	Closed Forest 1	Open Forest 4	Mangrove Forest 7	Brush/Shrubs 10	Open/Bareland 13	Grassland 14	Marshland/Swamp 15	Annual Crop 16	Perennial Crop 17	Fishpond 19	Built-up 20	Inland Water 21
Closed Forest	0	0	#N/A	0	0	0	#N/A	0	0	#N/A	0	0
Open Forest	0	0	#N/A	0	0	0	#N/A	0	0	#N/A	0	0
Mangrove Forest	#N/A	#N/A	0	0	0	0	0	0	0	0	0	0
Brush/Shrubs	0	0	0	0	0	0	0	0	0	0	0	0
Open/Bareland	#N/A	0	0	0	0	0	#N/A	0	0	0	0	0
Grassland	1	0	0	0	0	0	0	0	0	0	0	0
Marshland/Swamp	#N/A	0	0	0	#N/A	0	0	0	0	0	0	0
Annual Crop	1	0	0	0	0	0	0	0	0	0	0	0
Perennial Crop	0	0	0	0	0	0	0	0	0	0	0	0
Fishpond	#N/A	1	0	0	0	0	0	0	0	0	0	0
Built-up	#N/A	0	0	1	0	1	0	0	0	1	0	1
Inland Water	1	0	0	0	0	0	0	0	0	0	0	0

Session

Land cover change:
- Matrix
- Map

- Identification of improbable transitions (spatial view)

Data adjustment
(thematic), as needed



ARIES for SEEA

Session

0) Add Boundary data

Geometry

1) Identification of Geometry issues (Check Validity)



2) Addressing Geometry issues (Fix geometries)

3) Check: Identification of Geometry issues (Topology checker)

Topology

4) Identification of OVERLAPS (Topology checker)

Explore OVERLAPS

Adjust large OVERLAPS, as needed

5) Break boundaries at intersections (v.clean)

6) Addressing Geometry issues (Fix geometries)

7) Remove overlap (Delete duplicate geometries)

8) Check: Identification of OVERLAPS (Topology checker)

9) Identification of GAPS (Topology checker)

10) Create boundary polygon

11) GAPS as polygons (Difference)

12) Multipart to single parts

13) Calculate area of GAPS

14) Explore gaps & determine area threshold

15) Save into a new dataset

16) Check for GAPS smaller than threshold & adjust (Check Geometries)

17) Check: Identification of GAPS (Topology checker)

18) Dissolve boundary

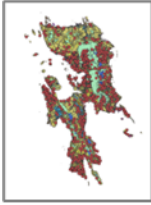


19) Check:
▪ Identification of Geometry issues
▪ Identification of OVERLAPS
▪ Identification of GAPS

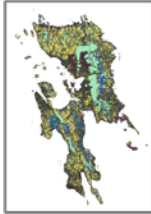
0) Add Land cover 2020 data

Geometry

1) Identification of Geometry issues (Check Validity)



2) Addressing Geometry issues (Fix geometries)



3) Check: Identification of Geometry issues (Topology checker)

Topology

4) Identification of OVERLAPS (Topology checker)

Explore OVERLAPS

Adjust large OVERLAPS, as needed

5) Break boundaries at intersections (v.clean)

6) Addressing Geometry issues (Fix geometries)

7) Remove overlap (Delete duplicate geometries)

8) Check: Identification of OVERLAPS (Topology checker)

9) Identification of GAPS (Topology checker)

10) Add BK_R8 boundary polygon

11) GAPS as polygons (Difference)

12) Multipart to single parts

13) Calculate area of GAPS

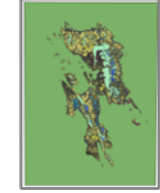
14) Explore gaps & determine area threshold

15) Save into a new dataset

16) Turn gaps into new polygons

17) Check for GAPS smaller than threshold & adjust (Check Geometries)

18) Check: Identification of GAPS (Topology checker)



19) Check:

- Identification of Geometry issues
- Identification of GAPS
- (Identification of OVERLAPS)

