

Preprocessing

R packages used

- dplyr
- raster
- tidyr

Functions Created

- contingencyTable()
- summary_dir()
- summary_map()

Sample datasets

- SaoLourengoBasin
(<http://doi.org/10.5281/zenodo.3685230>)
- SL_2002_2014

LULC maps (.tif)

Consistency check

Contingency tables

Legends and colors
update

Multiple table setup

Miscellaneous visualization tools

R packages used

- raster
- dplyr
- tidyr
- circlize
- ggplot2
- Network D3

Functions Created

- acc_changes()
- barplotLand()
- chordDiagramLand()
- netgrossplot()
- sankeyLand()

Spatialization of
transition steps

Evolution area over the
time points (barplot)

Net / Gross Change

Chord Diagram (one
step transition)

Sankeys (one / multi
step transitions)

Intensity Analysis

R packages used

- dplyr
- tidyr
- ggplot2
- gridExtra

Functions Created

- intensityAnalysis()
- plot-methods
 - plot()

Category n and m

Intensity Analysis

Instances of Intensity
Classes (tables)

Visualization of
intensity analysis 3-levels
outcomes