Data Acquisition

- MODIS true color (1-4-3)
- MODIS false color (7-2-1)
- OpenStreetMap land mask

Pre-processing

- Land mask dilation
- Nonlinear diffusion
- Adaptive histogram equalization
- Sharpening

Segmentation

- Image binarization
- Watershed transformation
- Morphological cleanup

Tracking

- Check travel distance
- Geometric comparisons
- Tie-breaking

Post-processing

- Area bias correction
- Trajectory outlier flagging
- Logistic regression filter
- Data formatting and archiving