

# Workflow

## Sensitivity Analysis of KBA Ecosystem Criteria

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# GitHub Repo Overview - Lana

- Private repository
- Included project group members and Elsa as collaborators
- Included ReadMe file and Workflow Diagram
- Can be found following this [link](#)
- Started working on the list of Issues/Milestones
- Included several Jupiter Notebooks

## PROVIDED DATA

- Palletized Raster with Attribute Table, showing distribution of 800+ Ecosystem Types in CONUS
- HexGrid

# WORKFLOW for KBA THRESHOLD ANALYSIS

- Create list of ecosystem types to be analyzed by Marxan process
- Define current KBA area thresholds under A2 and B4
- Create list of alternative KBA threshold levels to be tested (1.0, 0.75, 0.50, 0.25)

## FOR EACH ECOSYSTEM TO BE ANALYZED

Set up required input/output folders needed by Marxan

Create Source Data files needed for Marxan analysis (2 .shp + 4 .dat)

Run Marxan Analysis for each listed KBA Threshold

Save results to dataframe

Convert dataframe with collected KBA info to .csv

INPUT

PREPARATION

PROCESS

OUTPUT

# Project Management

Shared Google Drive Folder	Bi-weekly Zoom Meetings	Splitting Up Tasks	Problems We've Faced
			

# Milestones/Issues

1. Pre-processing (Marxan requires a set of files to run) - Lana
2. Data Storage - Eric
3. Marxan Installation - Christy/Lana can talk about it as well
4. Getting Python version of Marxan running