

Final Project

Assignment 1: Domain Topic Brief

Your assessment for this class is based on two assignments. First, you will develop and lead a single class period about a topic related to your field of interest and the GEOBIA concepts you learn in class. The second, a review paper about that topic. My hope is that you will develop these two assignments together as the topic is the same, the format is the only difference.

The first step for both of these assignments is to pick the pair of topics you are interested in. The first topic being a specific domain, such as forestry, and the second, an image analysis topic, such as accuracy assessment. At this point in the class you likely have a domain topic picked out, but are still unsure about the image analysis topic. That is absolutely fine.

For this first assignment, I would like you to identify the domain topic you are interested in pursuing and then answer the following questions in a short writing assignment for next week. I am hoping this initial thought process will help me to better identify the most interesting image analysis topics you could pursue.

Guiding Questions:

1. What is the domain you are currently interested in?
2. What are three major research challenges that you see in this domain that image analysis could be applied to?
3. What research challenge that you have identified is one that you would like to pursue for this class?
4. What do you think that image analysis could provide to this problem that isn't available through vector-based or text-based analysis?
5. Using Google Scholar, do a search for a relevant domain key word and the term GEOBIA. Do you get any papers that look useful or interesting to you?

Solutions Submission [Form](#).