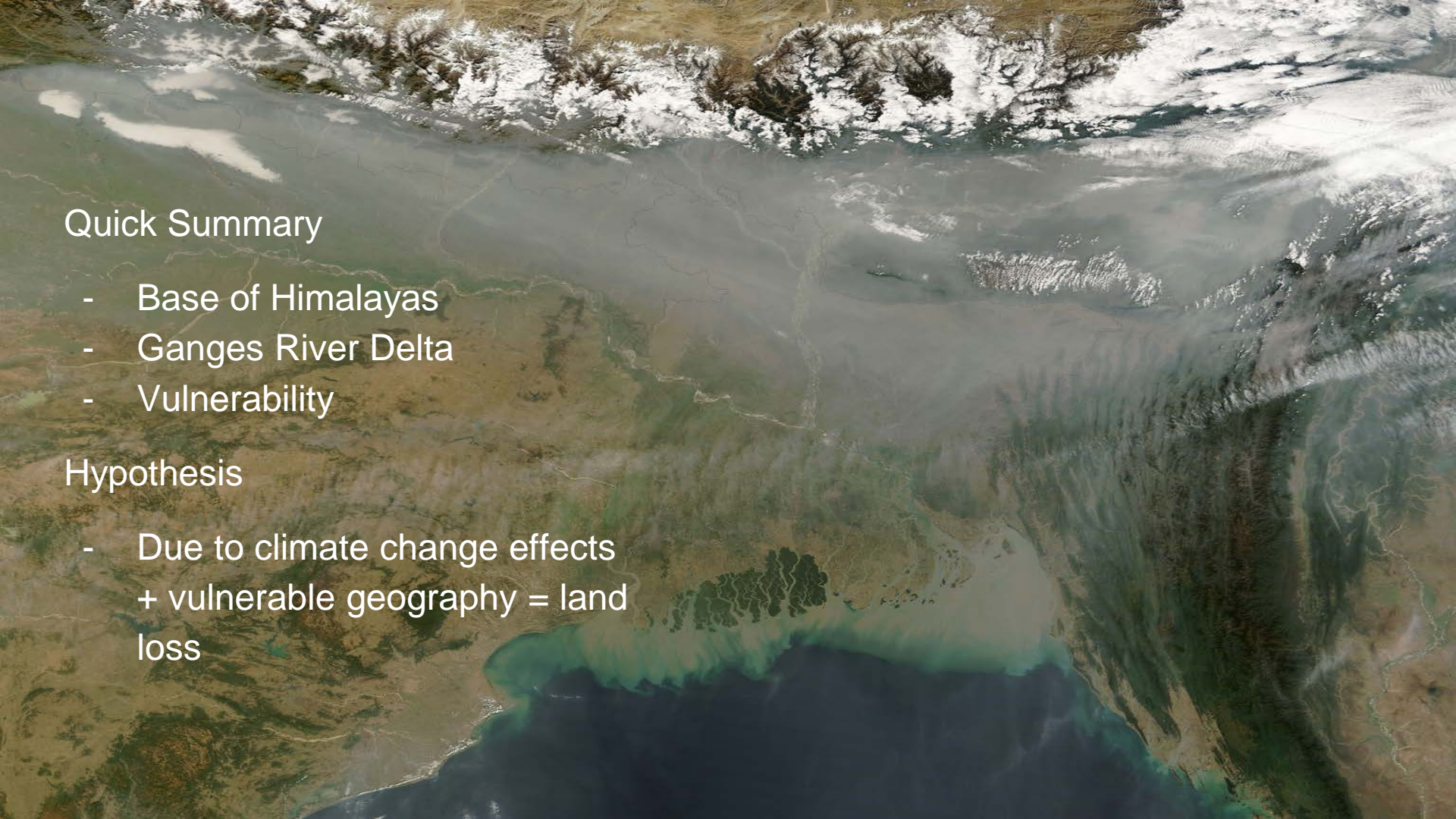




Depicting Sea  
Level Change in  
the Ganges River  
Delta, Bangladesh

Quinn Frankovsky

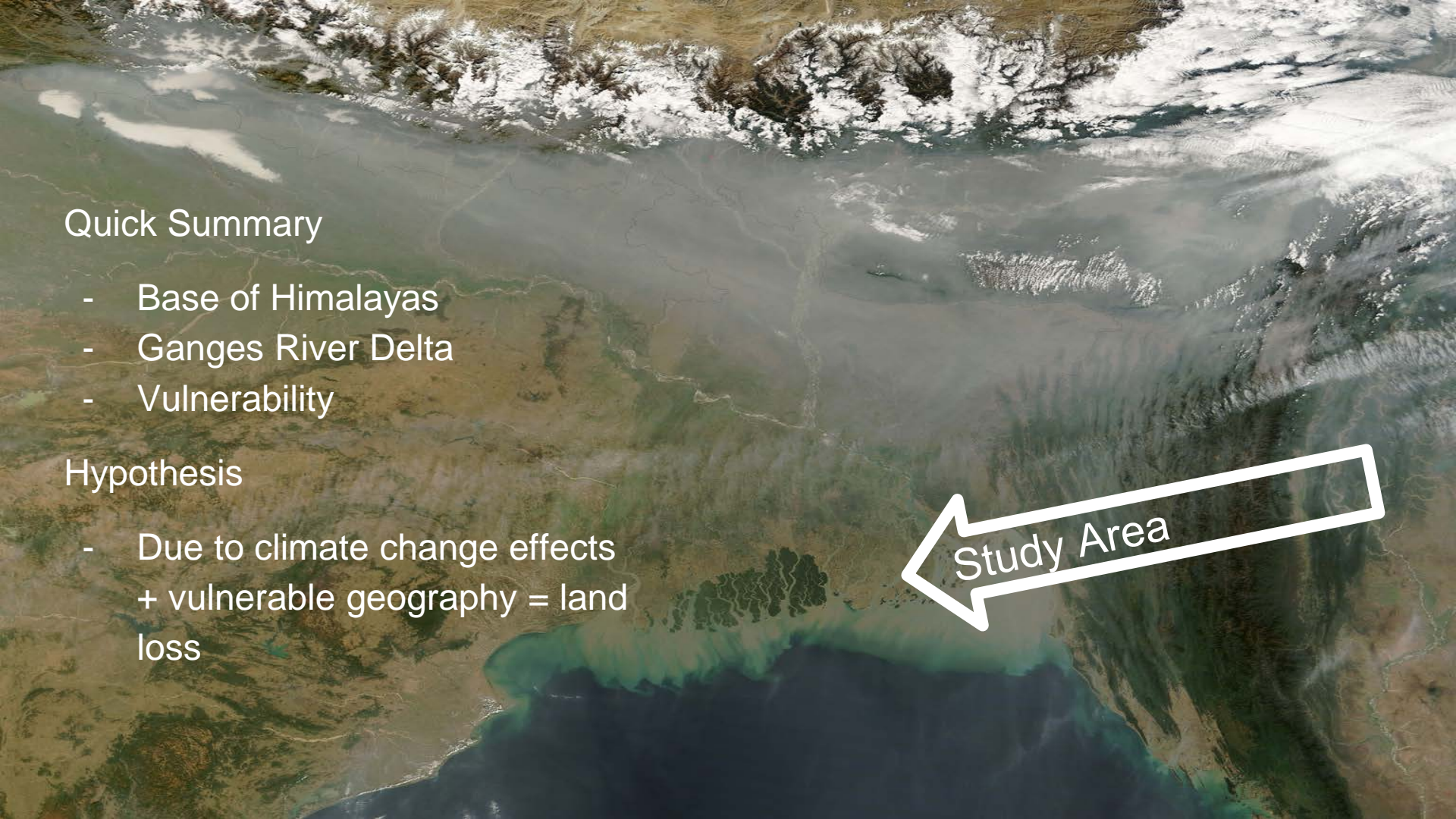
A satellite image showing the Ganges River Delta in South Asia. The image captures the extensive deltaic plain, the Bay of Bengal, and the surrounding mountainous terrain. The text is overlaid on the left side of the image.

## Quick Summary

- Base of Himalayas
- Ganges River Delta
- Vulnerability

## Hypothesis

- Due to climate change effects  
+ vulnerable geography = land  
loss

A satellite-style aerial photograph of the Ganges River Delta region. The image shows a complex network of river channels and a large, flat, brownish-green deltaic plain. In the upper portion, there are snow-capped mountain ranges. A white arrow with a black outline points from the right side of the image towards the center, specifically to a section of the delta. The text 'Study Area' is written inside the arrow.

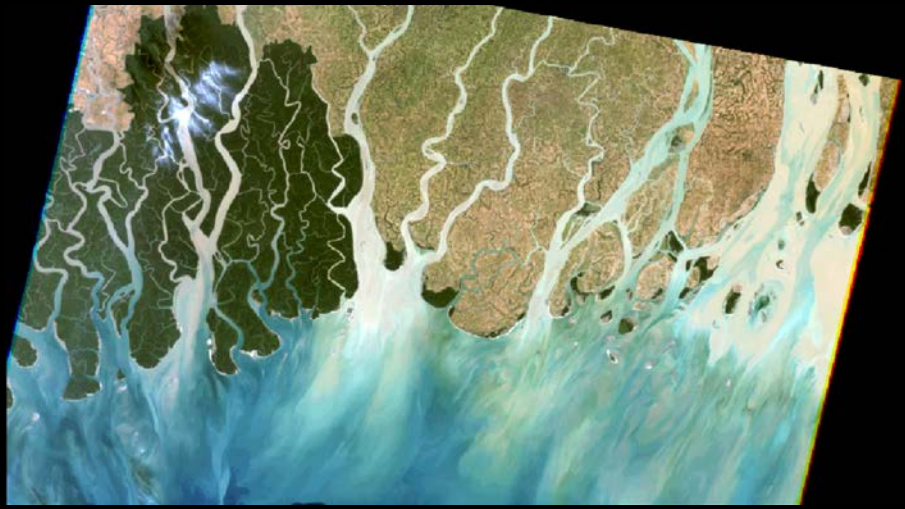
## Quick Summary

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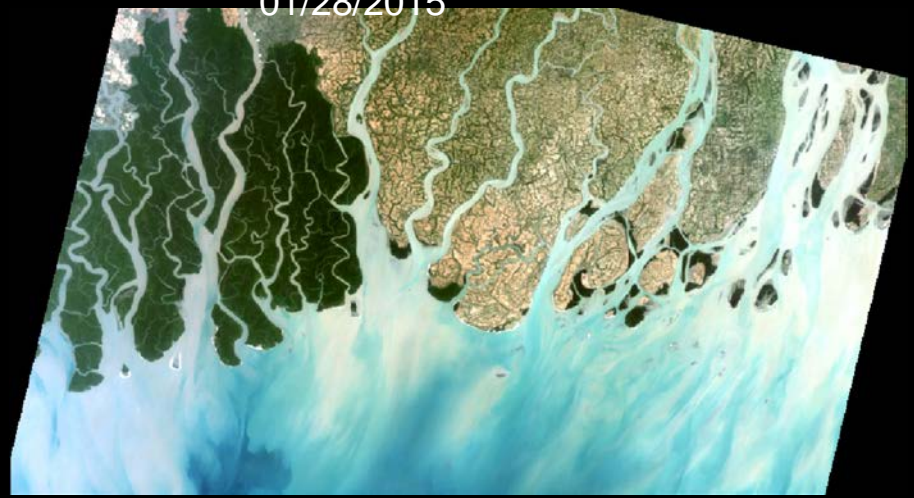
12/09/1990  
Landsat Images

Original



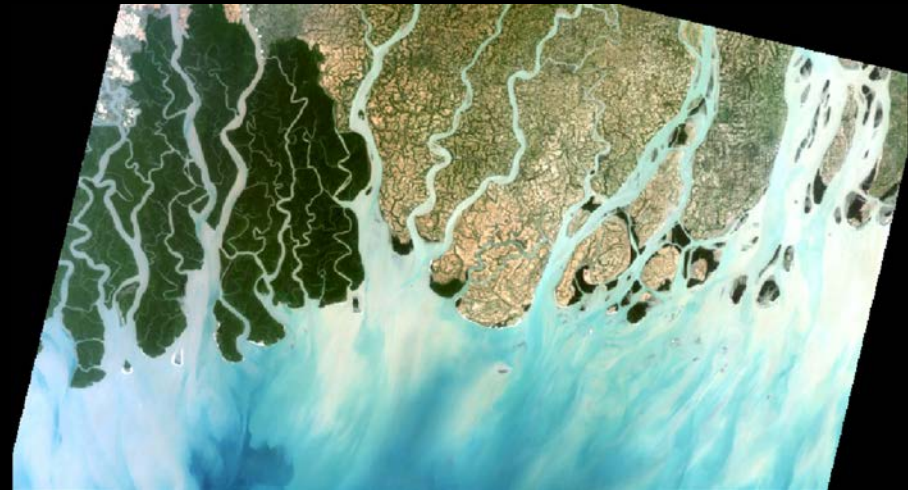
11/29/2004

01/28/2015



# Methods

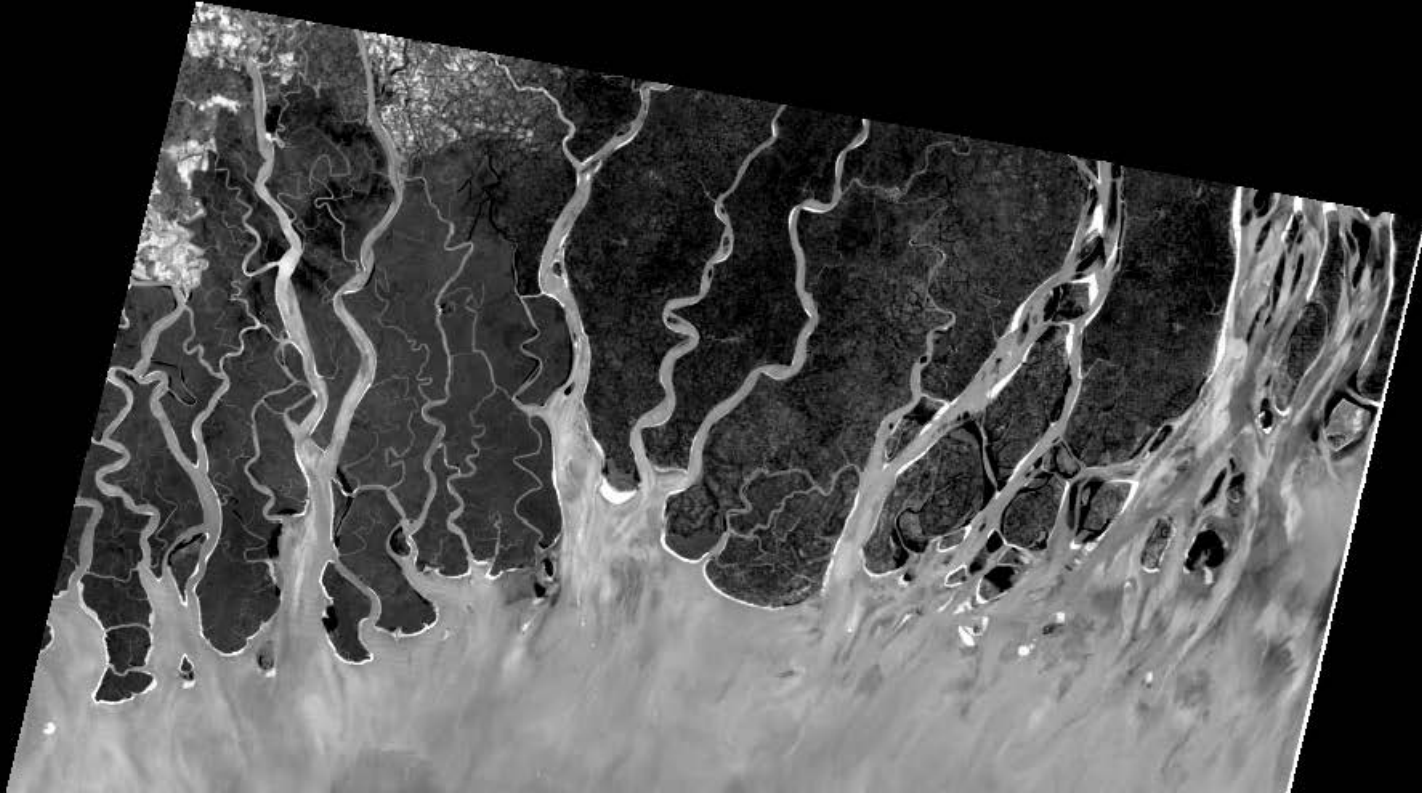
- NDVI Classification
- Layer Stack Composition



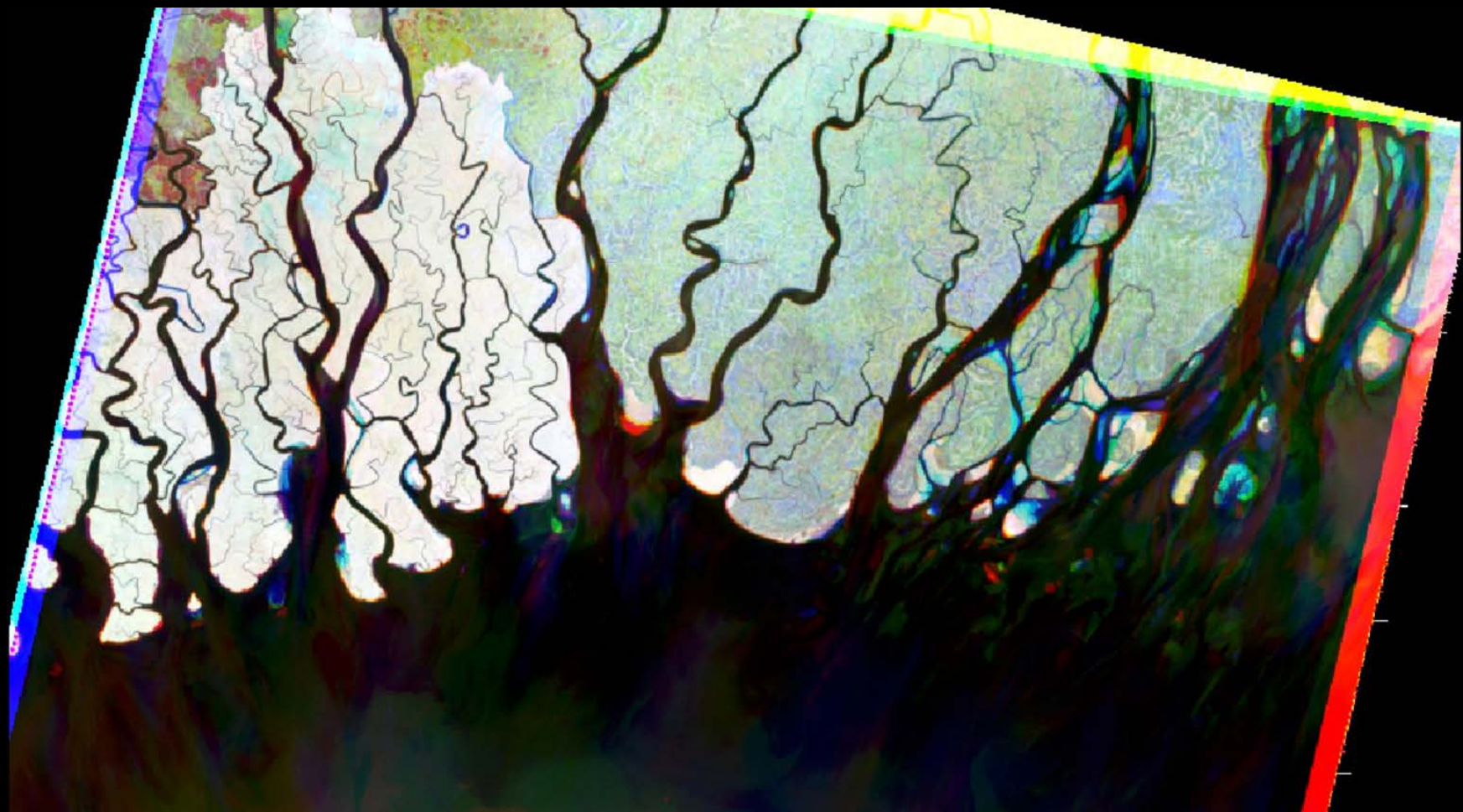
# NDVI

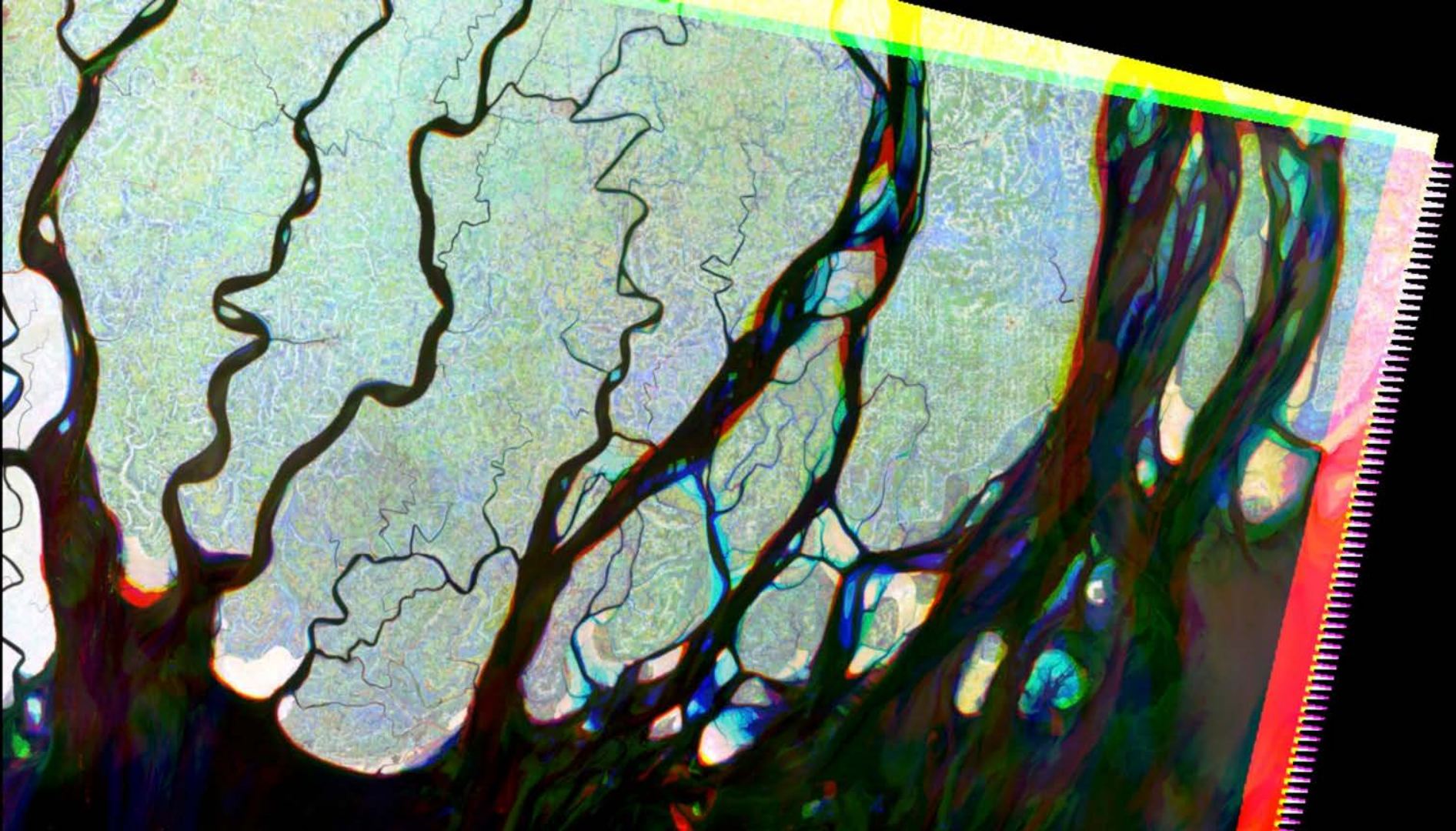
Rationale:

- White = overall net land loss
- Black = overall net land gain



# Layer Stack Composite







# Conclusions

- Hypothesis proven?
- Methods - NDVI Classification, Layer Stack Composition
- Mangrove Forest vs rural settlements
- Considerations of results

