[Speaker Zoom video]

How extreme precipitation influence vegetation greenness in the center region of Cameroon between 2001 and 2020?

Yaverlandia Hula Espressivo





- Hypothesis
- Analysis Pipeline
- Results
- Main Takeaways



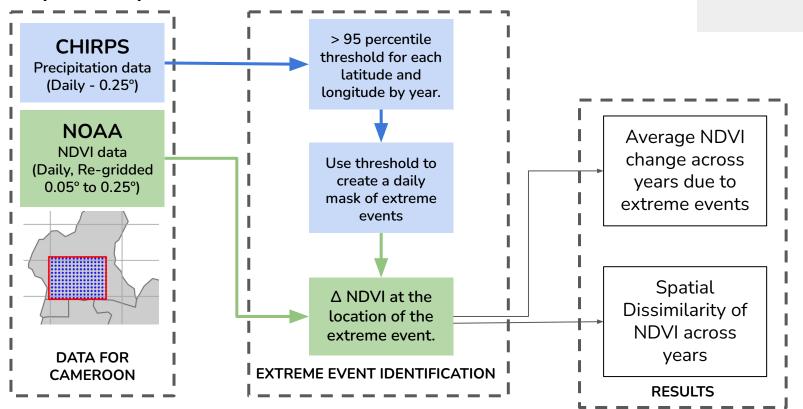
Hypothesis

[Speaker Zoom video]

- Extreme precipitation events will impact the vegetation variability.
- Use Case: Central region of Cameroon
- Period: 2001-2020



Analysis Pipeline

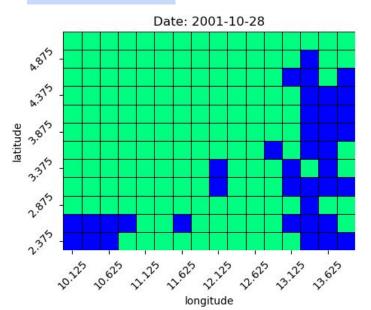


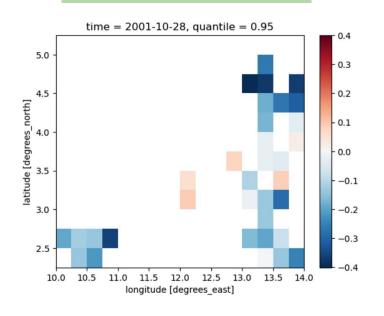
[Speaker Zoom video]

Extreme event identification



 Δ NDVI at the location of the extreme event. $\mathrm{NDVI_{t}} - \mathrm{NDVI_{t-1}}$

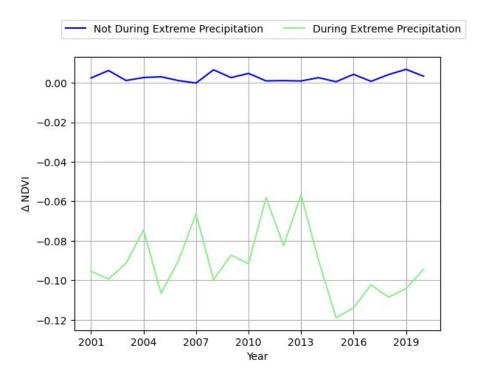




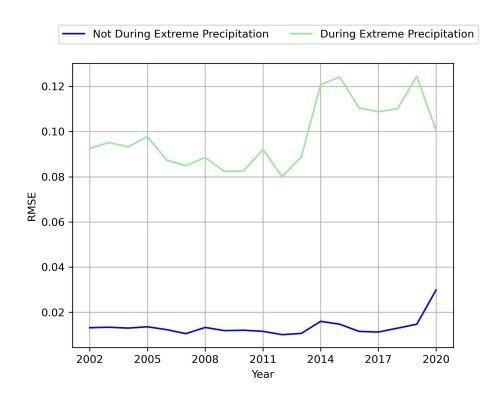


Average NDVI change during extreme precipitation events and otherwise

[Speaker Zoom video]



Spatial dissimilarity of NDVI across years





Main Takeaways

Δ NDVI for extreme precipitation areas is significantly different from non-extreme precipitation areas

NDVI change is consistently negative in areas of extreme precipitation, and positive otherwise.

Non extreme precipitation areas have similar spatial structure across consecutive years.

Credits:

Presentation template by Climatematch Academy Logo by arfmdn99 at freepik.com



Thanks!

Special mentions to Cassidy, Raphael and Laura!!

