

Data4Good Hackathon Vienna 2019

April 27-28, 2019

Hilfswerk Internal - Mosambique



Data4Good
Hackathon
Vienna 2019

Goals & Accomplishments

- Goals
 - Flood Detection
 - Area flooded (index)
 - Agricultural land flooded
 - Streets probably flooded
- Achievements
 - Flood Detection
 - Area flooded (index)
 - Streets probably flooded (index)

The logo is a stylized heart shape composed of several overlapping triangles in shades of red, pink, and green. The text "Data4Good Hackathon Vienna 2019" is written in white inside the red portion of the heart.

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Challenges Encountered

- Multiple Data Engineering Issues
 - Data Processing
 - Data Availability
 - Data Size
 - Geographical Data Knowledge
 - Data Conversion
 - Different Data Formats
 - Geographical Library Incompatibilities

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Insights

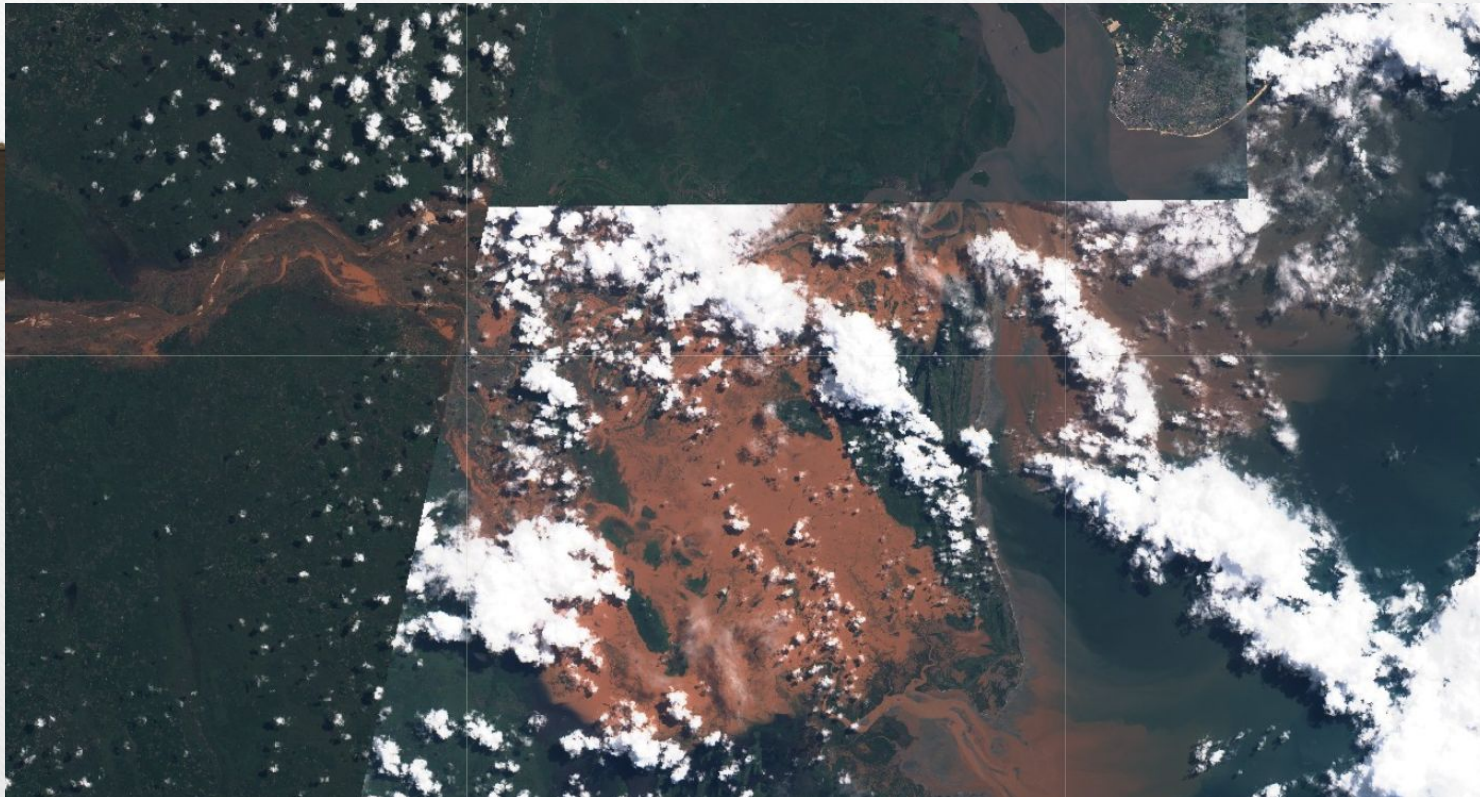
- Sentinel2 hub is cool
- Geo Data needs particular knowledge and approach
- GDAL sucks ...
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The Road Ahead

- Automated Flood Index Calculation
- Forecasting
- Time Series Analysis
- And so much more ...



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The Team

