User interface-

Data range-

Composite / Not Composite-

Factor-

Cloud Coverage

Water

Flooding

Standing

Rain

Fire

NDVI

**Questions**

**TO DO**

1. **Request image data from worldview3**

# Standing water at height of dry season

Info

* Refer to polygon sent by Mike
* Analysis over several years
* One of the biggest drivers of movement and mortality
* 15 Jan – 30th March
* Show drying of water holes

Approaches-

1. Max NDWI composites of that 6 week period
   1. Try different data sets
   2. Different thresholds
   3. Different degrees of cloud masking
2. Time-lapse of drying
3. Using non NDWI based approaches?

Difficulties-

* Differentiating between damp vegetation and water?
* How sensitive are readings to thresholding?

# Flooding on both sides of the Sobat river

Info

* Analysis over the last ten years
* Transformation of vegetation
* Compression of human and wildlife population
* Should show large area still flooded at the end of the dry season

# Die-off of tree cover in the flooding region (?)

Info

* NDVI showing availability of forage
* Ungulates seek freshly burned growing ground where there is fresh grass
  + Low ebb to first spurt of growth (e.g. first 30 days of growth)

https://airtable.com/appiqXYYkNHNYnO7A/shrejEO1IPPR5M35V