Teosinte – Vegetation Index Calculator

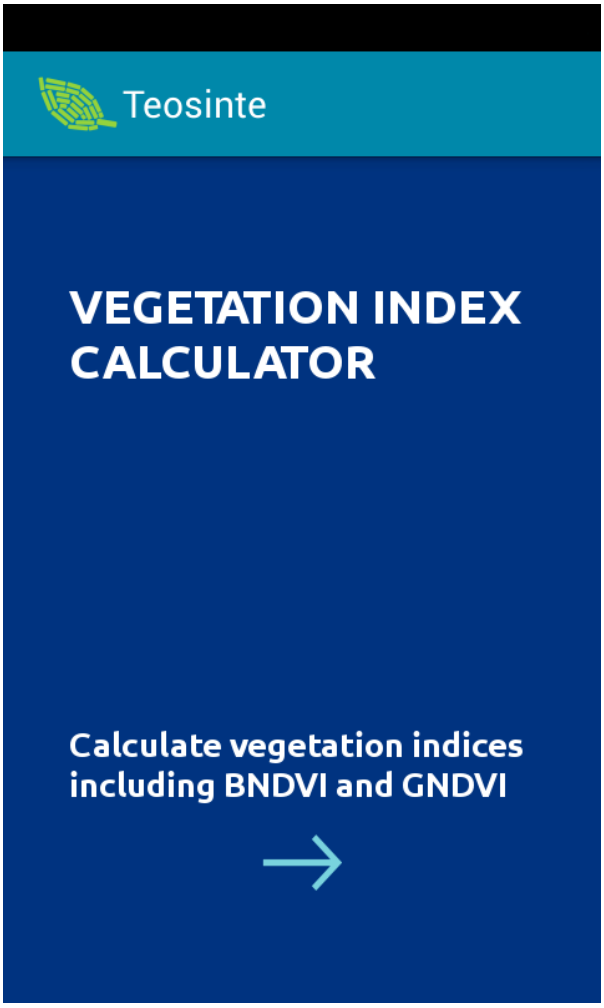
Android application for processing images acquired with NGB (NIR-Green-Blue) vegetation stress camera.

Teosinte word come from Nahuatl word *teōcintli*, from *teōtl* god + *cintli* dried ears of maize. It is a Mexican grass which is grown as fodder and is considered to be one of the parent plants of modern maize.

The processed images will not be saved in original resolution.
The images will be saved in folder 'Vegetation Indices'.

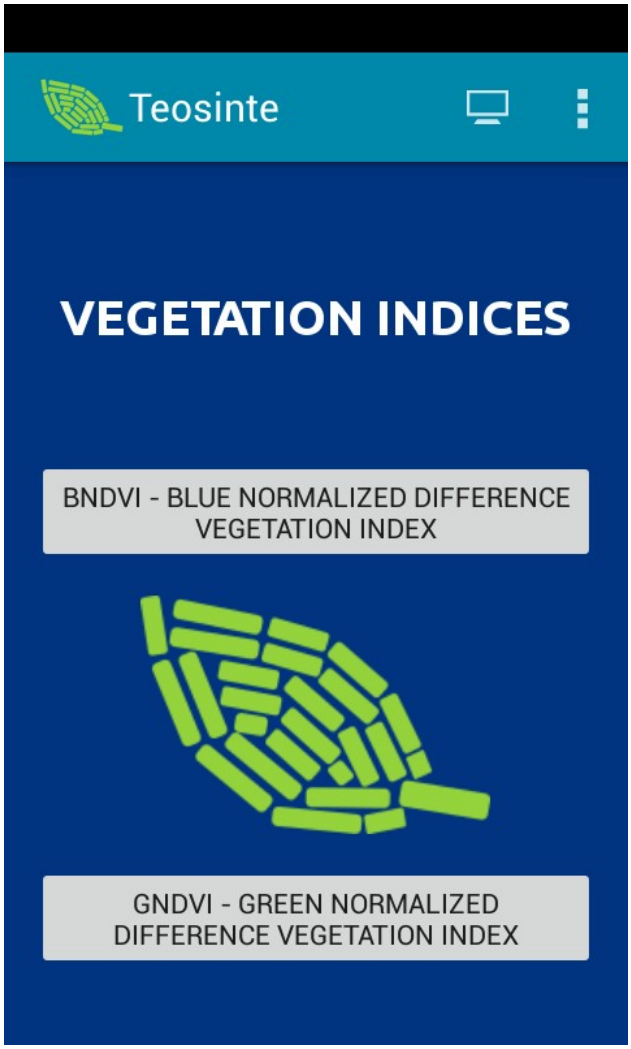
BNDVI - Blue Normalized Difference Vegetation Index
BNDVI = (NIR - Blue) / (NIR + Blue)
The color palette is applied from 0.28 to 0.6

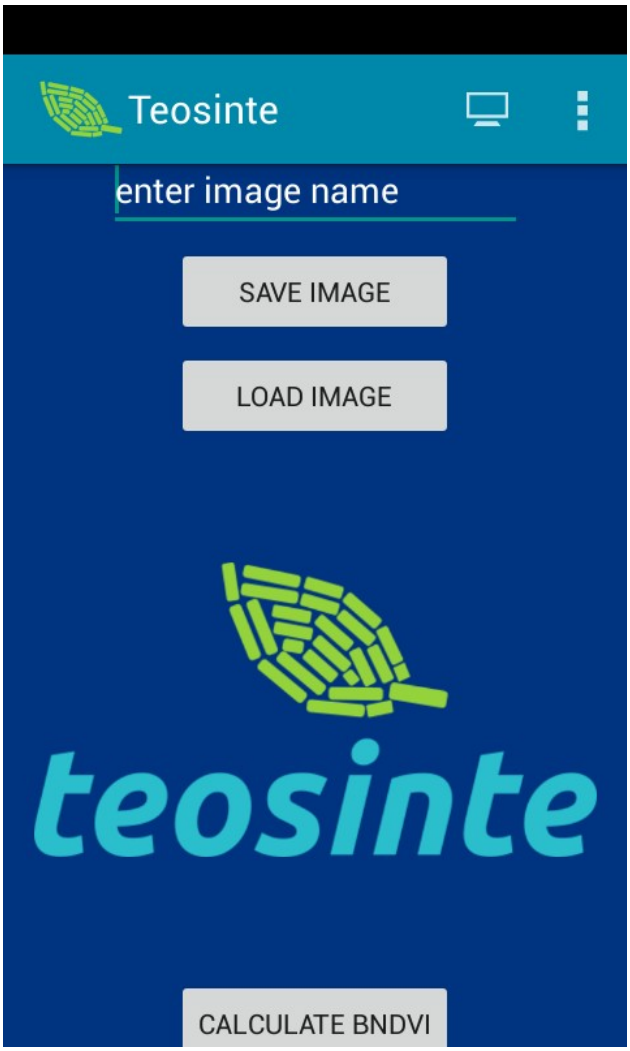
GNDVI - Green Normalized Difference Vegetation Index
GNDVI = (NIR - Green) / (NIR + Green)
The color palette is applied from 0.10 to 0.42



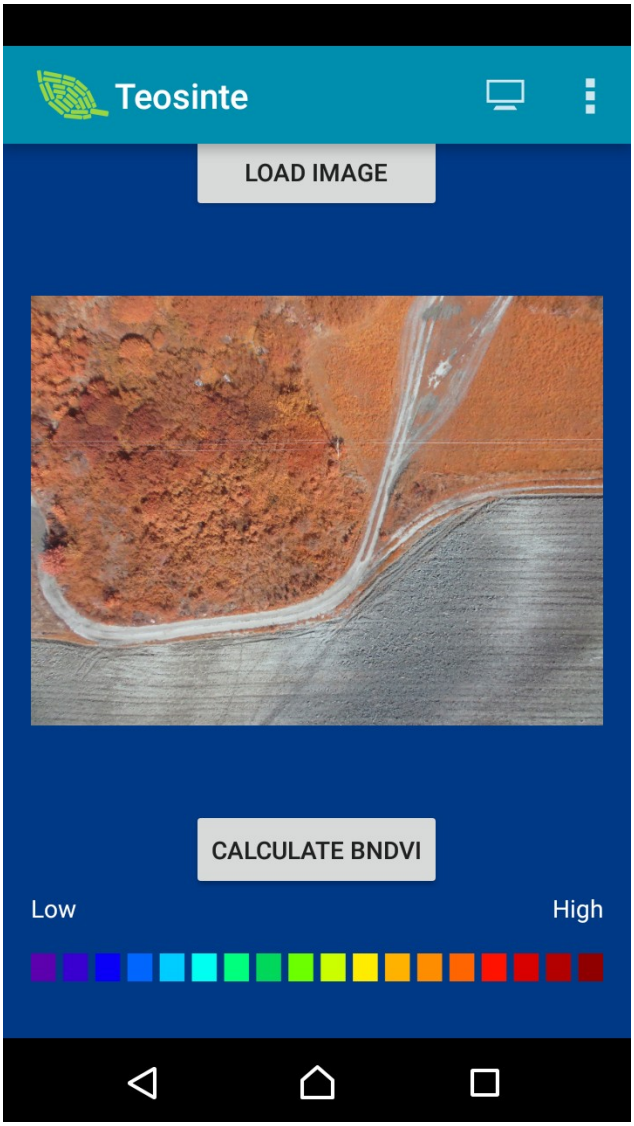
RSE

Screenshots:

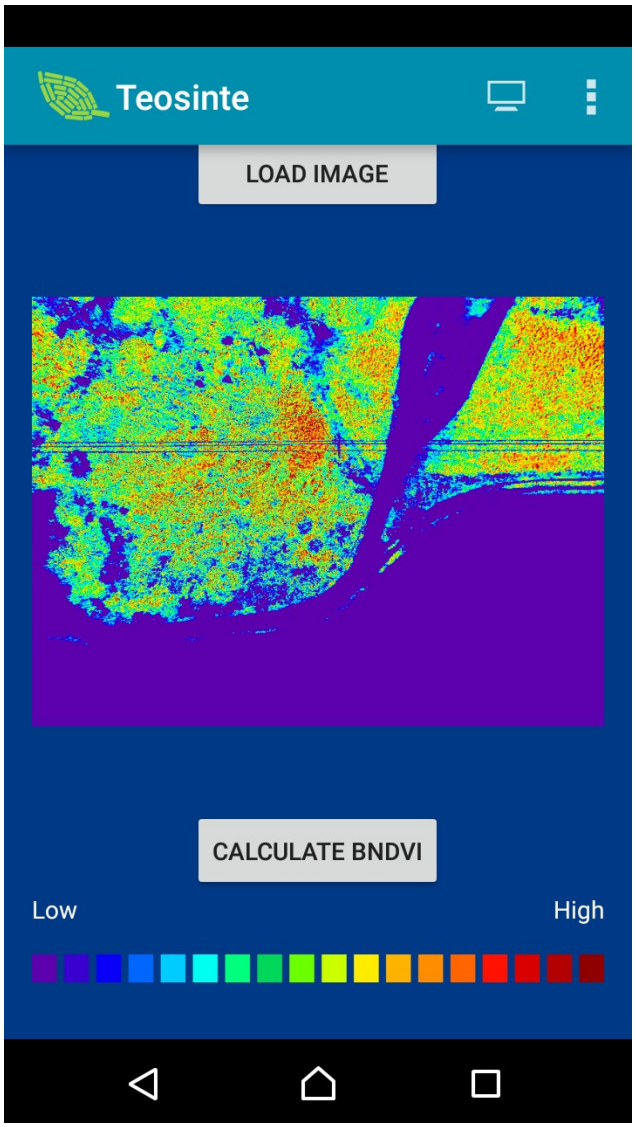


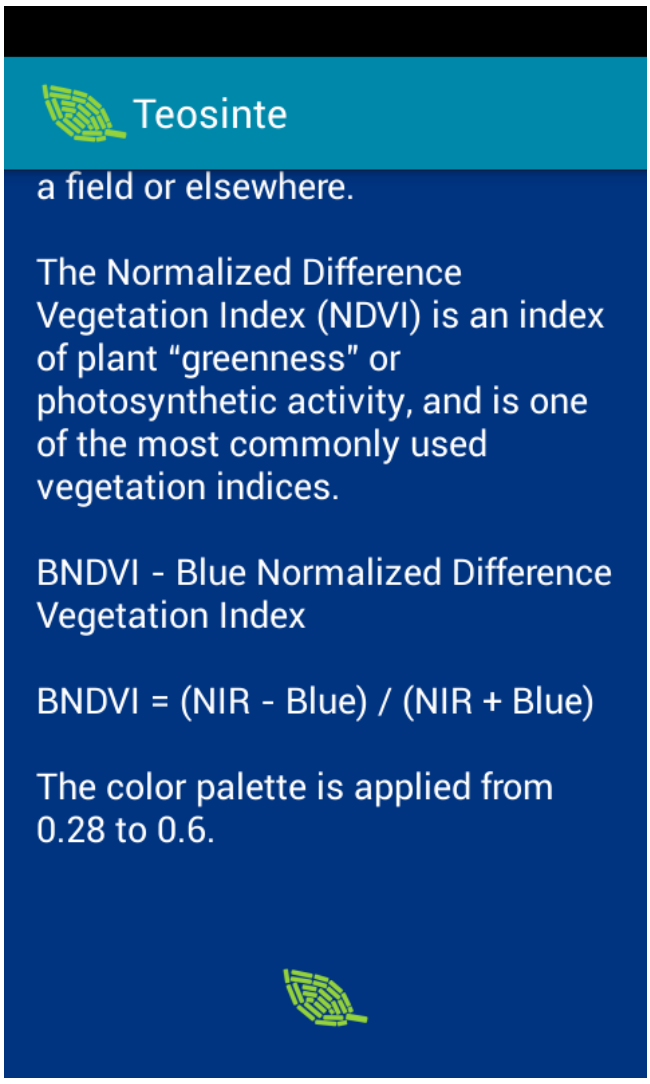


NGB image



Processed BNDVI image




Teosinte
a field or elsewhere.
The Normalized Difference Vegetation Index (NDVI) is an index of plant “greenness” or photosynthetic activity, and is one of the most commonly used vegetation indices.
BNDVI - Blue Normalized Difference Vegetation Index
BNDVI = (NIR - Blue) / (NIR + Blue)
The color palette is applied from 0.28 to 0.6.


Teosinte
About Teosinte
This application is made for processing images acquired with NGB (NIR-Green-Blue) vegetation stress camera.
The application is made for research and demonstration purposes.
The processed images will not be saved in original resolution. The images will be saved in folder 'Vegetation Indices'.
You are solely responsible for the use of application and possible consequences.

VEGETATION INDEX CALCULATOR

Calculate vegetation indices including BNDVI and GNDVI

teosinte

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