

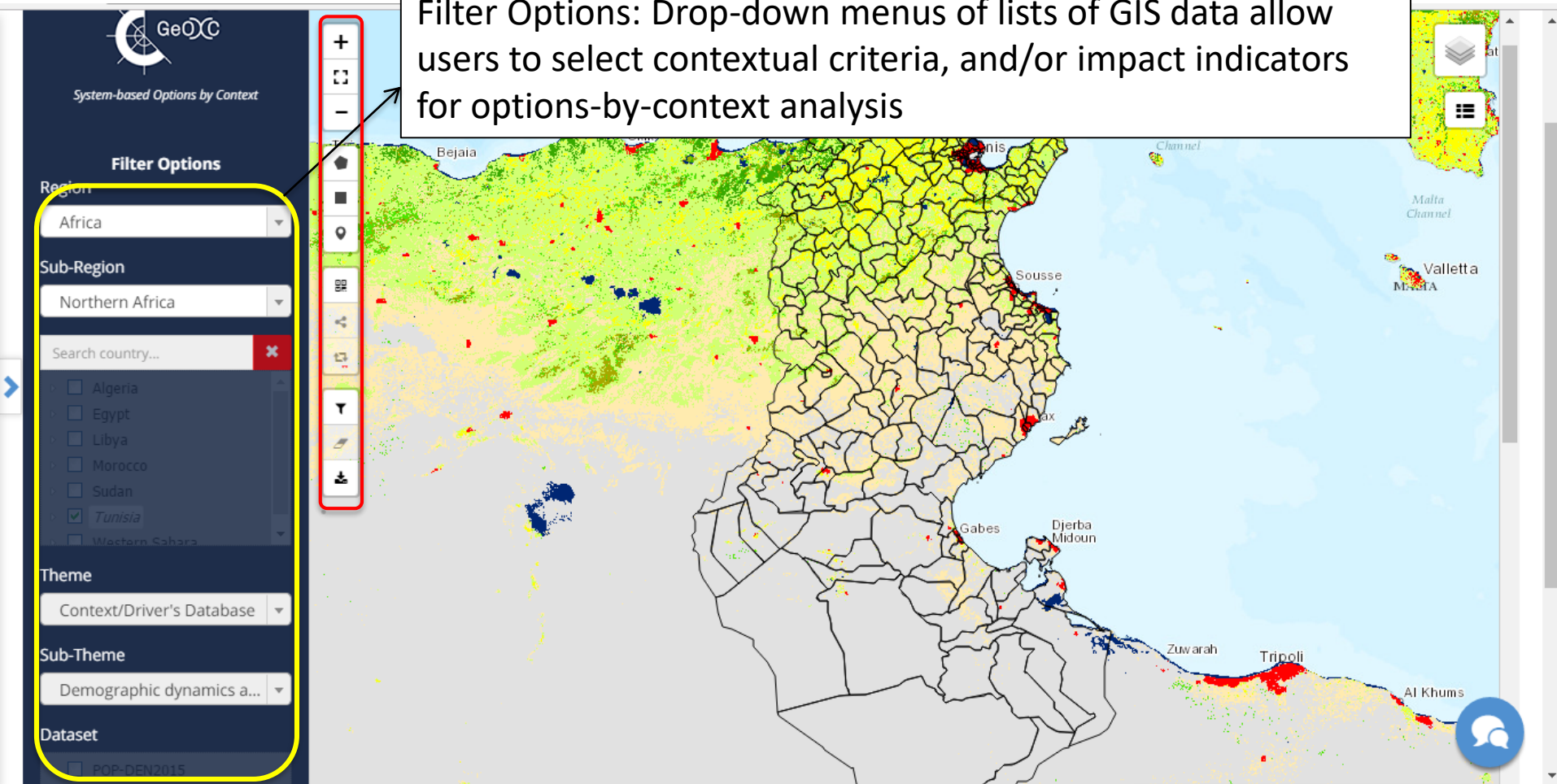


# Filter Options in WebGIS sub-tool of the Geo- informatics Options by Contexts (GeOC) Tool



## Graphic interface of GeOC's WebGIS and key functions

Filter Options: Drop-down menus of lists of GIS data allow users to select contextual criteria, and/or impact indicators for options-by-context analysis



The screenshot displays the GeOC WebGIS interface. On the left, a dark sidebar contains the 'Filter Options' panel, which is highlighted with a yellow border. This panel includes several sections: 'Region' with a dropdown menu set to 'Africa'; 'Sub-Region' with a dropdown menu set to 'Northern Africa'; a 'Search country...' input field with a red 'X' icon; a list of countries with checkboxes, where 'Tunisia' is checked; 'Theme' with a dropdown menu set to 'Context/Driver's Database'; 'Sub-Theme' with a dropdown menu set to 'Demographic dynamics a...'; and 'Dataset' with a checkbox for 'POP-DEV2015'. To the right of the sidebar is a vertical toolbar with various map navigation icons, including zoom in (+), zoom out (-), home, location, layers, and a search icon. The main area is a map of Tunisia, showing administrative boundaries and a data overlay with a color scale from green to red. Labels on the map include Bejaia, Tunis, Sousse, Gabes, Djerba Midoun, Zuwarah, Tripoli, and Al Khums. In the top right corner, there is a legend and a list of layers. The GeOC logo and the text 'System-based Options by Context' are visible in the top left of the map area.

**Region**

**Sub-region**

**Country**

**Province or  
Governorate**

**District (if any)**

GeOCC  
System-based Options by Context

**Filter Options**

Region

Select region

Africa

Americas

Asia

Europe

Oceania

Select all Deselect all

GeOCC  
System-based Options by Context

**Filter Options**

Region

Africa

Sub-Region

Select subregion

Eastern Africa

Middle Africa

Northern Africa

Southern Africa

Western Africa

Select all Deselect all

GeOCC  
System-based Options by Context

**Filter Options**

Region

Africa

Sub-Region

Northern Africa

Search country...

Algeria

Egypt

Libya

Morocco

Sudan

Tunisia

Western Sahara

Select all Deselect all

GeOCC  
System-based Options by Context

**Filter Options**

Region

Africa

Sub-Region

Northern Africa

Search country...

Tunisia

Ariana

Béja

Ben Arous (Tunis Sud)

Bizerte

Gabès

Gafsa

Select all Deselect all

GeOCC  
System-based Options by Context

**Filter Options**

Region

Africa

Sub-Region

Northern Africa

Search country...

Tunisia

Ariana

Raoued

Sebkhet Ariana

Sidi Thabet

Soukra

Ariana Médina

Select all Deselect all

Well synchronised and matched WebGIS from “GeOC visualisation” and the “SLM web form”

Administrative units at Region, Sub-region, Country, Province & District levels

WebGIS of GeOC visualisation

WebGIS in SLM web form

System-based Options by Context

**Filter Options**

Region  
Africa

Sub-Region  
Northern Africa

Search country... ✕

- Sidi Bou Zid
- Zaghouan
  - Bir Mchergua
  - Fahs
  - Nadhour
  - Saouaf

Select all Deselect all

Fields with **RED ASTERISK \*** are mandatory

4.1 Regions/locations where the SLM technology has been applied

Web GIS 📍 Upload File 📄 URL 🔗

4.1.1 Region \* Africa ✕ ▾

4.1.2 Sub-Region \* Northern Africa ✕ ▾

4.1.3 Country \* WOCAT Tunisia ✕ ▾

4.1.4 Province WOCAT Zaghouan ✕ ▾

4.1.5 District WOCAT Please Select. ▴

4.1.6 Total area where the SLM technology was applied WOCAT

4.1.7 Area / Site ID WOCAT

- Bir Mchergua
- Fahs
- Nadhour
- Saouaf
- Zaghouan
- Zriba

4.2 Socio-ecological context / environment

# Filtering the variables the main category «Context/Drivers»

Theme

Select theme

Context/Driver's Database

Outcome-Impact Database

Sub-Themes

Variables

Sub-Theme

Select subtheme

Biophysical driver

Physical and institutional accessibility to land resources

Demographic dynamics and pressure

Socio-ecological contextual similarity

14

Sub-Theme

Biophysical driver

Sub-Theme

Biophysical driver

Dataset

- SQC1-NUTAVA
- SQC2-NUTRCAP
- SQC3-ROOTCOD
- SQC4-OXYGEN
- SQC5-SALT
- SQC6-TOXICITY
- SQC7-WORKCAP

Select all

Deselect all

Sub-Theme

Physical and institutional...

Biophysical driver

Physical and institutional accessibility to land resources

Demographic dynamics and pressure

Socio-ecological contextual similarity

04

Sub-Theme

Physical and institutional...

Dataset

- DIST-ROAD
- DIST-TOWN
- PROTECT-AREA
- TENURE-SEC

Select all

Deselect all

Sub-Theme

Demographic dynamics ...

Biophysical driver

Physical and institutional accessibility to land resources

Demographic dynamics and pressure

Socio-ecological contextual similarity

03

Sub-Theme

Demographic dynamics ...

Dataset

- POP-DEN2015
- POP-DEN-RURAL
- POP-CHANGE

Select all

Deselect all

Sub-Theme

Select subtheme

accessibility to land resources

Demographic dynamics and pressure

Socio-ecological contextual similarity

National economic development

03

Sub-Theme

Socio-ecological context...

Dataset

- CSET-LE
- GLS-ASSELEN
- LSA-VACLAVIK

Select all

Deselect all

Sub-Theme

Select subtheme

accessibility to land resources

Demographic dynamics and pressure

Socio-ecological contextual similarity

National economic development

04

Sub-Theme

National economic devel...

Dataset

- GDPCAP
- GDPCAP-GRW
- AGRI-POVERTY
- FOOD-SEC

Select all

Deselect all



# Filtering the variables of the main category « Outcome-Impact »

Themes

Theme

Outcome-Impact Databa...

Context/Driver's Database

Outcome-Impact Database

Sub-Themes

Datasets

Sub-Theme

Select subtheme

Biomass Productivity and Water Use Efficiency

Pressure on land carrying capacity in term of biomass potential

Affected population

Select all Deselect all

Sub-Theme

Pressure on land carryin...

Biomass Productivity and Water Use Efficiency

Pressure on land carrying capacity in term of biomass potential

Affected population

Select all Deselect all

Sub-Theme

Affected population

Biomass Productivity and Water Use Efficiency

Pressure on land carrying capacity in term of biomass potential

Affected population

Select all Deselect all

Sub-Theme

Biomass Productivity an...

Dataset

PROD-DEG

PROD-IMP

RUE

Select all Deselect all

Sub-Theme

Pressure on land carryin...

Dataset

HANPP-PCT

NPP-GAPPC

Select all Deselect all

Sub-Theme

Affected population

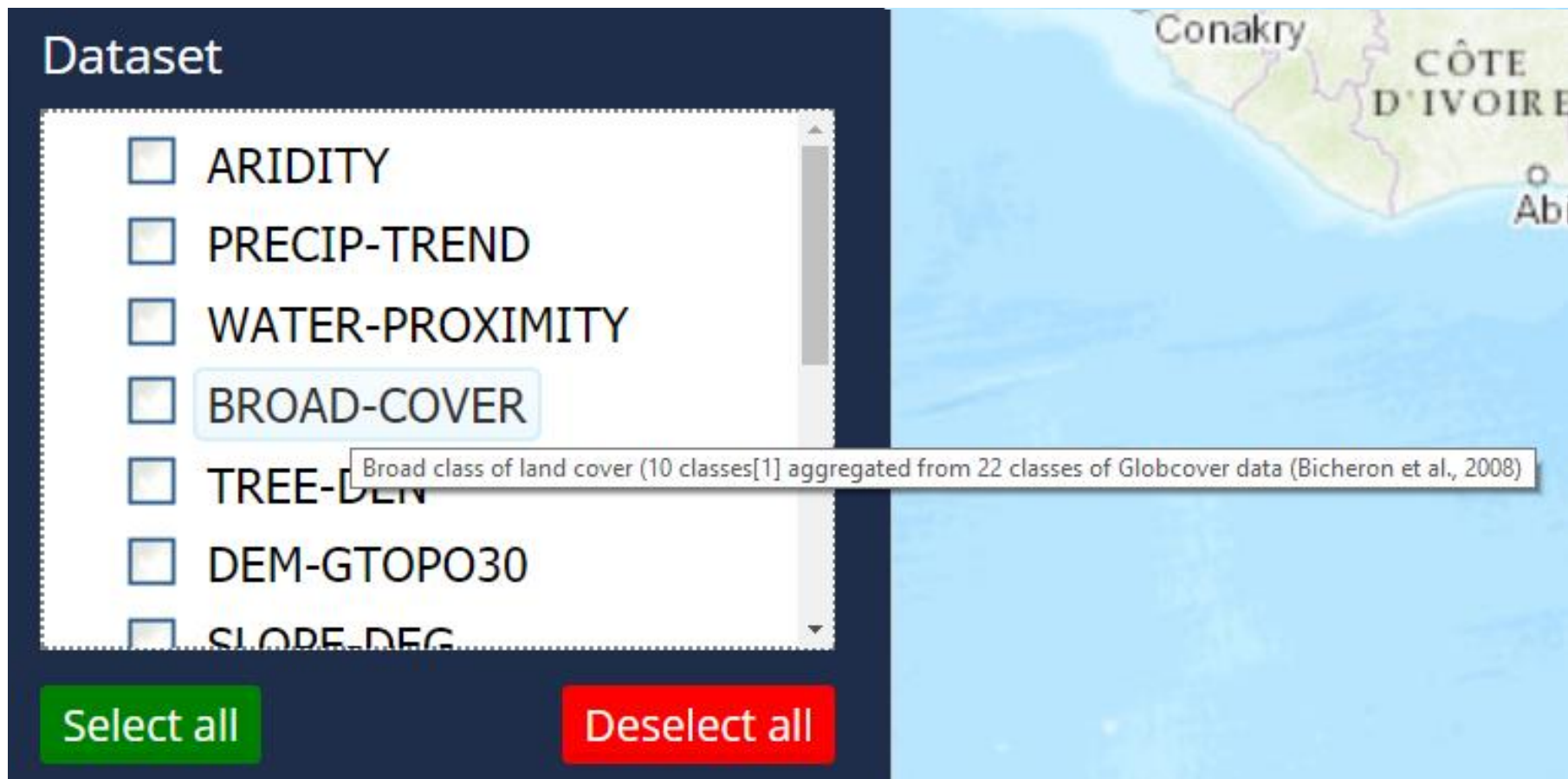
Dataset

AFFECTED-POP

AFFECTED-RPOP

Select all Deselect all

The short definition of variable in the WebGIS can be viewed by hovering the mouse on the variable name in the dataset list.

A screenshot of a WebGIS interface. On the left, a dark blue panel titled "Dataset" contains a list of variables with checkboxes. The "BROAD-COVER" variable is highlighted with a light blue background. A tooltip box is positioned over the "BROAD-COVER" variable, displaying the text: "Broad class of land cover (10 classes[1] aggregated from 22 classes of Globcover data (Bicheron et al., 2008)". Below the list are two buttons: a green "Select all" button and a red "Deselect all" button. On the right, a map shows a portion of Côte d'Ivoire, with labels for "Conakry" and "Abi".

Dataset

- ARIDITY
- PRECIP-TREND
- WATER-PROXIMITY
- BROAD-COVER
- TREE-DEN
- DEM-GTOPO30
- SLOPE-DEG

Broad class of land cover (10 classes[1] aggregated from 22 classes of Globcover data (Bicheron et al., 2008))

Select all

Deselect all