# EO4SD Website

<http://www.eo4sd.brockmann-consult.de>

## Code

The code is under git; to edit it, clone it at the desired location with:

git clone <https://github.com/uwekraemer/eo4sd.git>

## Structure (as of end of July 2020)

You will receive the following folders of the website:

|  |  |
| --- | --- |
| Ein Bild, das Screenshot, Monitor, sitzend, Bildschirm enthält.  Automatisch generierte Beschreibung | ***areas***: contains all the html files with regional data. Note that the area of West Africa has been subdivided into the countries Benin, Côte d’Ivoire, Ghana, Guinee, Mauritania, Nigeria, São Tomé & Príncipe, Senegal, Sierra Leone, and Togo. The subdivision is done by the “index\_west\_africa.html”.  ***assets***: helper files (graphics) needed for creation of images etc.  ***data***: area-specific images or metadata  ***images***: graphics of general use as well as icons  ***modules, sites***: CSS from ESA & BC |

## Editing

Use your preferred IDE or text editor. Content shall be added in the table at the end of the concerned area page. Example Western Indian Ocean: Ein Bild, das Monitor, Screenshot, Bildschirm, sitzend enthält.

Automatisch generierte Beschreibung

Figure 1: Western Indian Ocean page

The code for the last row of the table in Figure 1 is the following:

Ein Bild, das Screenshot, sitzend, Telefon enthält.

Automatisch generierte Beschreibung

Figure 2: Example code for a table row

Note that all downloadable data for each item shall be linked in the last column “*Download*”, as it can be seen in the HTML code in Figure 2.

## Content

NOC and the other data providers are uploading the data to the EO4SD Google cloud bucket, located at <https://storage.cloud.google.com/eo4sd-271513.appspot.com>

In order to access the bucket, one needs to register at Google.

See the entry page:

Ein Bild, das Screenshot, Monitor, Bildschirm, Computer enthält.

Automatisch generierte Beschreibung

Figure 3: EO4SD Google Cloud Storage

## Metadata

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Quicklook | Description | Place | Time Period of Content | Download |
| SAR detected shoreline - Beira, Mozambique (2019) | Ein Bild, das Licht, dunkel, sitzend, erleuchtet enthält.  Automatisch generierte Beschreibung | ▶︎ Ratio of average is a local method used to detect edges within a 9x9 kernel (a small subset of data) within the median filtered SAR image. | Mozambique | **20190101 - 20191230** | [**Beira map (PDF, 3.4MB)**](https://storage.cloud.google.com/eo4sd-271513.appspot.com/Mozambique/Coastline/PDF%20maps%20of%20selected%20areas%202019/beria_map.pdf?authuser=0&_ga=2.241683137.-252854561.1591625844)[**GIS data (TIF, 460MB)**](https://storage.cloud.google.com/eo4sd-271513.appspot.com/Mozambique/Coastline/Beria%202019/WaterEdges_mozambique_beria_2019_RoA_PI3_WS9.tif)[**Metadata (XML, 9KB)**](https://storage.cloud.google.com/eo4sd-271513.appspot.com/Mozambique/Coastline/Beria%202019/WaterEdges_mozambique_beria_2019_RoA_PI3_WS9.xml) |

Table 1: Example table row (Mozambique, Beira region)

Considering Table 1, the content that shall be filled into the table comes from the metadata xml file: **Title** – title, **Description** = descript > abstract, **Place** = Keywords > Place,   
**Time period** = rngdates, Download = > Multiple links (tiff,geodatabase) + Metadata URL

## Link URLs

In order to retrieve a link URL, navigate to the item in the cloud bucket and click on the “Copy” button in the object details: . The URL will be copied to the clipboard.

Ein Bild, das Screenshot enthält.

Automatisch generierte Beschreibung

Figure 4: Item object details page

## Updating the web server

In order to update your new code to GitHub, you should commit and push your changes. Once the push is finished, connect to the BC webserver from LAN via SSH:

**~ ❯❯❯ ssh uwe@bcserver8 (Password is 2fast4u)**

Change directory to /var/www/eo4sd.brockmann-consult.de, and pull the new code from Github:

**uwe@bcserver8:/var/www/eo4sd.brockmann-consult.de $ git pull**

That’s all, folks!