

Tutorial

DATA DOWNLOAD



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Getting started

Website: <http://www.terra-i.org>

Before downloading, a “user account” must be created on the website or an existing user account logged into. First time users must fill out the form to create a new account. This can be done in different ways as shown below:

Create new user account

At the top of the Terra-i web page, there are several ways to create a new user (Figure 1) that all lead to the registration form.

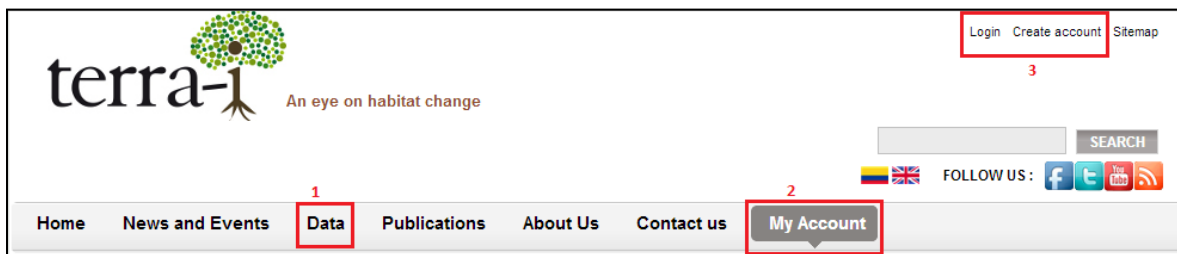


Figure 1. Main menu

1. Data: an orange square is displayed (Figure 2), which indicates that it is necessary to create an account by clicking on the “*registration form*” link.

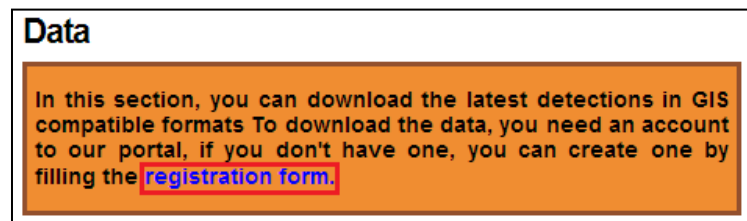


Figure 2. Data section

2. Sign in to my account (Figure 3): If an account has already been created, simply enter the username and password for the account. If otherwise, create a new account by clicking on “*Profile Registration*”.

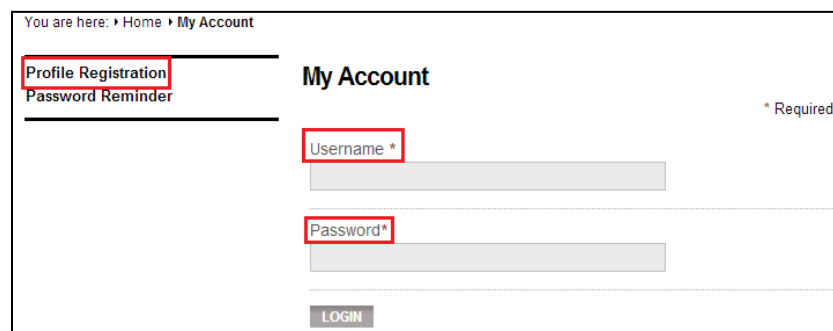
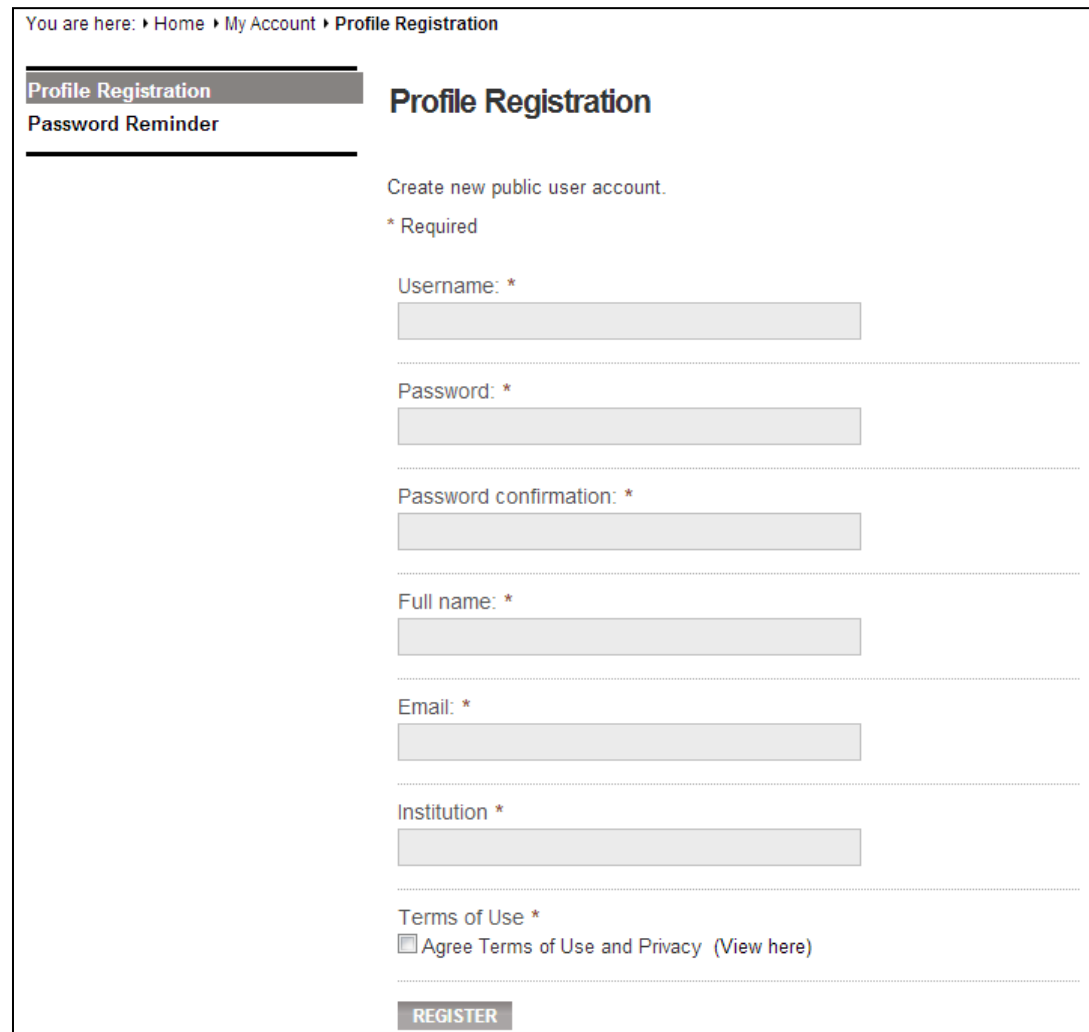


Figure 3. Login to my account and profile registration

3. Profile registration: create a new user account by filling in the registration requirements.
The information contained in the registration form (Figure 4) is necessary to keep updated statistics in our user database on the people and/or organizations that are interested in acquiring Terra-i data.



You are here: [Home](#) > [My Account](#) > [Profile Registration](#)

Profile Registration
[Password Reminder](#)

Profile Registration

Create new public user account.

* Required

Username: *

Password: *

Password confirmation: *

Full name: *

Email: *

Institution *

Terms of Use *

☐ Agree Terms of Use and Privacy ([View here](#))

REGISTER

Figure 4. Registration form

Notes

After creating and/or logging in with the user account, click on “data” in the main menu (1) to display a complete menu on the left side. The side menu contains the following options:

- Description
- Download data on habitat change
- Visualise habitat change
- View videos
- FAQ

Data download

Clicking on the "*Download data on habitat change*" option (Figure 5) opens a viewing pane that shows the available data in a given map area. The boxes indicate the MODIS tiles covered by Terra-i. There are two ways to download data:

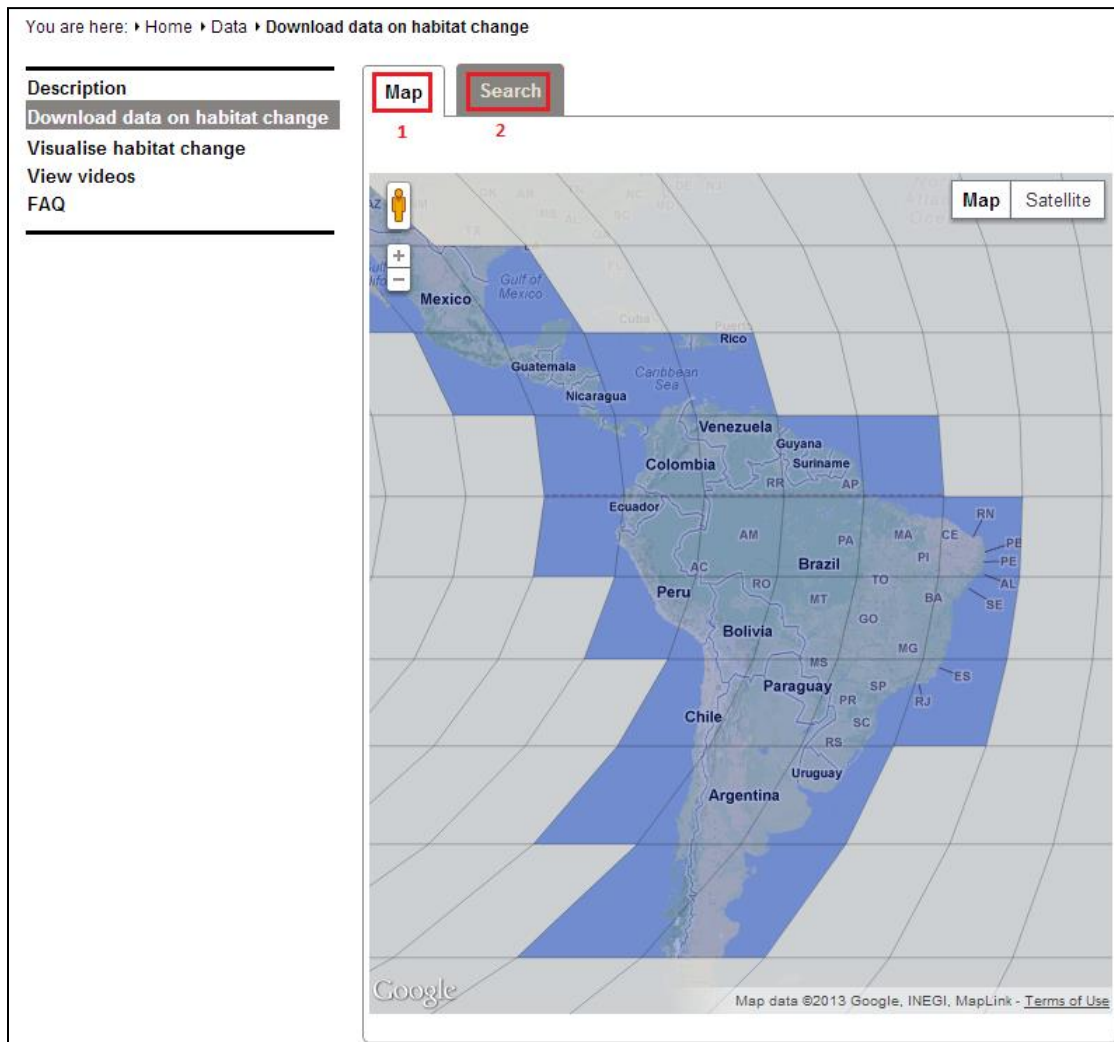


Figura 5. Data download

1. Map tool: select the area of interest by clicking on the box or tile. A pop-up box will be displayed showing the available data as well as the tile information (Figure 6).
 - 1.1 Tile information contains the following:
 - 1.1.1 Basic information: name and coordinates (upper-left and lower-right corner) by tile.
 - 1.1.2 Administrative information: list of countries contained in tile, other administrative levels (second or third), as well as protected areas by country.
 - 1.1.3 Ecosystems: Describes the different types of ecosystems by tile.

You are here: [Home](#) [Data](#) [Download data on habitat change](#)

Description

[Download data on habitat change](#)

[Visualise habitat change](#)

[View videos](#)

[FAQ](#)

Map **Search**

1

Tile h10v08 1.1.1

Tile Name h10v08
Top left corner -81.23333335696,9.999999888000007
Bottom right corner -69.99791670827,-9.5999993732221e-8

Administrative Information 1.1.2

Panama

Departments Bocas Del Toro, Coclé, Colón, Comarca De San Blas, Darién, Herrera, Los Santos, Panamá, Veraguas.

Protected Areas Altos De Campana, Bagre, Camino De Cruces, Canglón, Cenegón Del Mangle, Cerro Hoya, Chagres, Chepigana, Ciénaga De Las Macanas, Corregimiento Del Nargana, Cuenca Alta Del Río Pacora, Darién, Darién National Park, El Golfo De Montijo, El Montuoso, Filo Del Tallo, General De División Omar Torrijos Herrera, Golfo De Montijo, Isla Casas, Isla De Cañas, Isla De Taboga E Isla De Uraba, Isla Iguana, La Tronosa, La Yeguada, Lago Gatún, Metropolitano, Portobelo, Punta Patiño, Santa Fé, Sarigua, Serranía Del Majé, Soberanía, Tapagra.

Colombia
Brazil
Venezuela
Ecuador

Ecosystems 1.1.3

Show entries

Search:

Ecosystems

Amazon-Orinoco-Southern Caribbean Mangroves
Apure-Villavicencio Dry Forests
Caqueta Moist Forests
Catalumbo Moist Forests
Cauca Valley Dry Forests

Showing 1 to 5 of 36 entries

[First](#) [Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) [Next](#) [Last](#)

Figura 6. Information by tile

1.2 Set of available data: contains all detection files available for download (Figure 7).

Map **Search**

Tile h10v08

Available datasets 1.2

Cumulative Detections 1.2.1

Detections 1.2.2

Cumulative Floods 1.2.3

Increase 1.2.4

Figura 7. Available data sets

- 1.2.1 Cumulative Detections: contains accumulated loss detection (deforestation or habitat loss) data by year.
- 1.2.2 Detections: contains loss detection data for 16 day intervals.
- 1.2.3 Cumulative Floods: contains accumulated flood detection data by year.
- 1.2.4 Increase: contains accumulated increase detections data by year.

Figure 8 gives an example of how accumulated detection data is displayed, from the initial to the final date of the detection data. The beginning of file name indicates the kind of detection. In this case, deforestation data (decreases) are signified with a "d", increase data with the letter "i", and flood data with the letter "f". The detection type is followed by the name of the tile and the analyzed period.

From	To	Filename
2004.01.01	2004.12.18	d_h10v08_all_2004-1_2004-353.asc.gz
2005.01.01	2005.12.19	d_h10v08_all_2005-1_2005-353.asc.gz
2006.01.01	2006.12.19	d_h10v08_all_2006-1_2006-353.asc.gz
2007.01.01	2007.12.19	d_h10v08_all_2007-1_2007-353.asc.gz
2008.01.01	2008.12.18	d_h10v08_all_2008-1_2008-353.asc.gz
2009.01.01	2009.12.19	d_h10v08_all_2009-1_2009-353.asc.gz
2010.01.01	2010.12.19	d_h10v08_all_2010-1_2010-353.asc.gz
2011.01.01	2011.12.19	d_h10v08_all_2011-1_2011-353.asc.gz
2012.01.01	2012.05.08	d_h10v08_all_2012-1_2012-129.asc.gz

Figure 8. Cumulative detections

Figure 9 shows an example of how the detection data are divided in 16 day intervals, starting with the name of the tile and followed by the detection date.

Date	Filename
2004.01.01	h10v08_det_2004-001.asc.gz
2004.01.17	h10v08_det_2004-017.asc.gz
2004.02.02	h10v08_det_2004-033.asc.gz
2004.02.18	h10v08_det_2004-049.asc.gz
2004.03.05	h10v08_det_2004-065.asc.gz

Figure 9. Detection data by 16 day intervals

Note: The data are compressed *.gz, and contain the file in ASCII format.

2. Search tool: the “download data” window also displays a search engine interface where: (1) a dropdown list “*Folder*” displays options for data query by country, second or third administrative levels, protected or indigenous areas, and ecosystems; (2) a dropdown list “*Condition*” contains Boolean query options such as “equals”, “starts with”, “ends with”, and “contains” that can be used to filter the data search; (3) a final box where the full or partial name of the target area must be written to complete the search. Figure 10 shows an example of a search using the category country and the condition “*Equal*” to find data related to “*Colombia*” AND “*Brazil*”. After clicking the Search button, a box, displayed at the bottom of the window, shows the tile(s) that fulfill the search query.

Map Search

Folder: Country Condition: Equals colombia

Operator: And

Folder: Country Condition: Equals brazil +

Search

Map Satellite

Click to show more information

Tile h11v08

Tile h11v09

Tile h10v08

Tile h10v09

Figure 10. Example of the Search tool