

I register a new data set in iGUESS and I tag it for a module

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What am I going to learn?




How to log in to access the datasets of my map server.



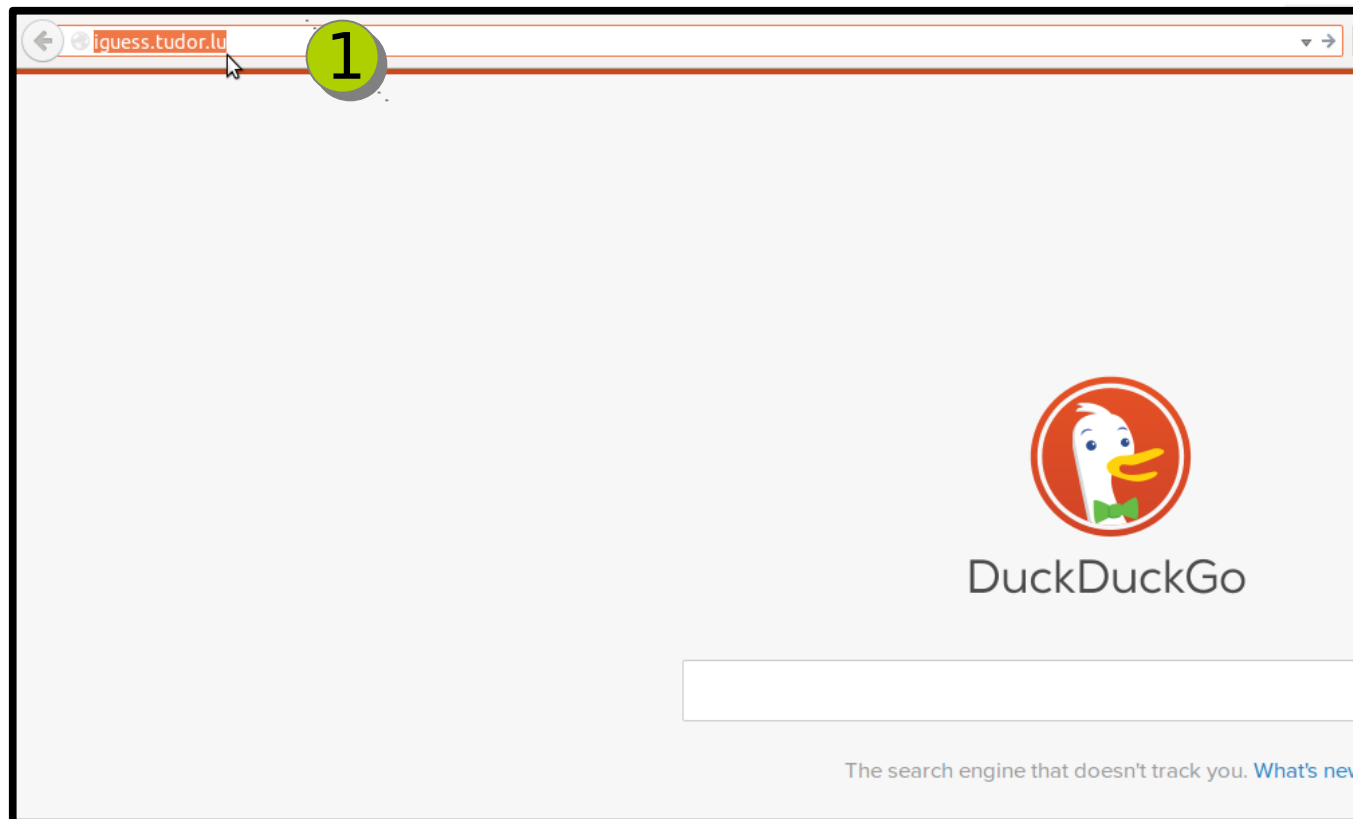
How to register a dataset.



How to tag the dataset that I just registered

The iGUESS tool is accessible from your browser with the limitation that that iGUESS properly works only with Firefox .

1 I type ***iguess.tudor.lu*** in the url line. And I type enter



I access the Home page of iGUESS!

- 1 In order to register data I need to be logged in. On the right hand of the menu bar I click on **Login**.

tudor
PUBLIC RESEARCH CENTRE HENRI FODOR

iGUESS
Integrated Geospatial Urban Energy information and Support System

MUSIC
Modeling Urban Energy Information System

EUROPEAN COMMISSION
ENERGY

[New User] [Login]

understand your options...

plan your future.

1

View Some Data

Run Calculation Module

Check Running Module

View your data or register new datasets

iGUESS can show you any registered dataset on an interactive map of your city.

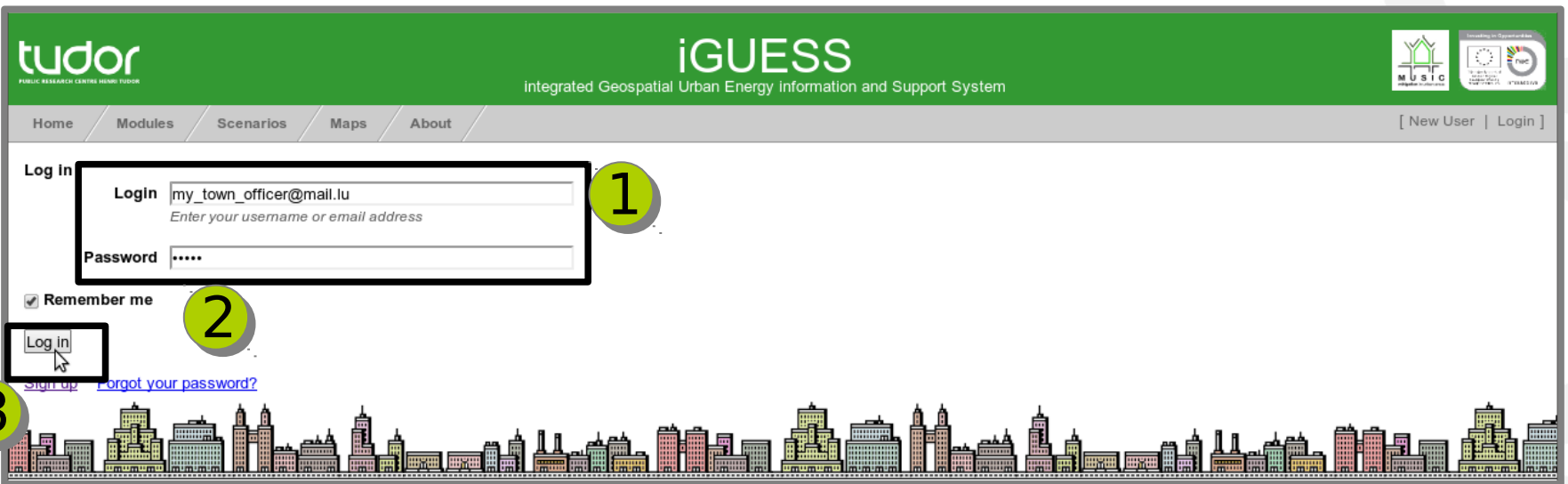
Explore maps of my city

See my datasets

Register new data

In order to access the maps of my city I click on maps!

4



I arrive on the Log in page.

In zone 1 I type my login email and my password.

2 I can tick **Remember me** if I want iGUESS to recognise me user account next time you access the web platform.

Then I click on 3 the **Log in** button.

- 1 Once I am back to the Home page of iGUESS, I can check I am signed in when it is written accordingly.
- 2 In order to access the Data manager of iGUESS I click on **Data Manager** in the menu bar.

The screenshot displays the iGUESS web interface. At the top, a green header bar contains the 'tudor' logo on the left and the text 'iGUESS Integrated Geospatial Urban Energy information and Support System' on the right. Below the header is a navigation menu with tabs: Home, Data Manager, Modules, Scenarios, Maps, Compare, and About. A yellow circle with the number '1' is positioned over the 'Data Manager' tab, which is highlighted. A dropdown menu is visible under 'Data Manager', showing 'Manage data' with the subtext 'Upload new data, and view existing datasets'. A yellow circle with the number '2' is positioned over this dropdown menu. In the top right corner, a box indicates the user is 'Signed in as My Town (Rotterdam)'. The main content area features a large blue text overlay that reads 'Understand your options... plan your future.' Below this, there is a section titled 'View your data or register new datasets' with the text 'iGUESS can show you any registered dataset on an interactive map of your city.' To the left of this section is a vertical sidebar with three buttons: 'View Some Data' (in red), 'Run Calculation Module', and 'Check Running Module'. To the right of the sidebar, there are three purple links: 'Explore maps of my city', 'See my datasets', and 'Register new data'. A large grey plus sign is located at the bottom center of the main content area.

I arrive in the screen of the List of **Registered Datasets**.

- 1 First column displays the names of the datasets.
- 2 Second column shows the Tags associated to each dataset.
- 3 Third column gives the date of registration of the dataset.
- 4 Fourth column indicates if the data have been published or not.
- 5 Fifth column gives the availability status of the dataset.
- 6 Sixth column tells the user in which server are the data stored.

1 Name	2 Tags	3 Registered	4 Published?	5 Status	6 Server
01_lijn_roof_patches ⚙	Mapping roof_patches	2014-06-14	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.
01_lijn_solar_irra ⚙	aggregate_basemap Mapping solar_irradiation	2014-06-14	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.
01_tiny_roof_patches ⚙	Mapping roof_patches	2014-06-13	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.
01_tiny_solar_irra ⚙	Mapping solar_irradiation	2014-06-13	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.
02_bospolder_pv_potential ⚙	Mapping	2014-06-19	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.
02_lijn_pv_potential ⚙	Mapping	2014-06-18	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.
02_tiny_pv_potential ⚙	aggregate_basemap Mapping pv_potential	2014-06-13	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.
03_tiny_greenroofs ⚙	green_roofs_locations Mapping	2014-06-13	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.
04_lijn_solar_irra_by_block ⚙	Mapping	2014-06-20	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.
Aggregated_PV ⚙	Mapping	2014-06-20	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.

1 In order to register a new dataset I click on the button **Register New Datasets**.

Registered Datasets

Filter:

Register New Datasets

Name	Tags	Registered	Published?	Status	Server
01_lijn_roof_patches	Mapping roof_patches	2014-06-14	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.
01_lijn_solar_irra	aggregate_basemap Mapping solar_irradiation	2014-06-14	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.
01_tiny_roof_patches	Mapping roof_patches	2014-06-13	<input type="checkbox"/> Publish	Available	A mapping service generated with the iGUESS WPS Client.

I get access to a first screen in which I need to select the map server to which belong the dataset I want to register.

In field 2, I type the URL or I select a preset URL of my map server using the scroll down selector 3.

Register Datasets

iGUESS uses datasets stored on remote servers. To register datasets with the system, enter a server URL in the box below. iGUESS will probe the remote server and present you a list of datasets you can register. In order to use a dataset with a module, you will need to tag it with the appropriate tags. If you want to use the dataset for mapping purposes, use the Mapping tag. iGUESS will probe for WFS, WCS, and WMS servers at the URL provided below. Layers offered by the WMS will be available for mapping, and layers offered by the WFS/WCS will be available for using as inputs to web processes.

Enter URL or select a preset Load

Select a preset

Select a preset

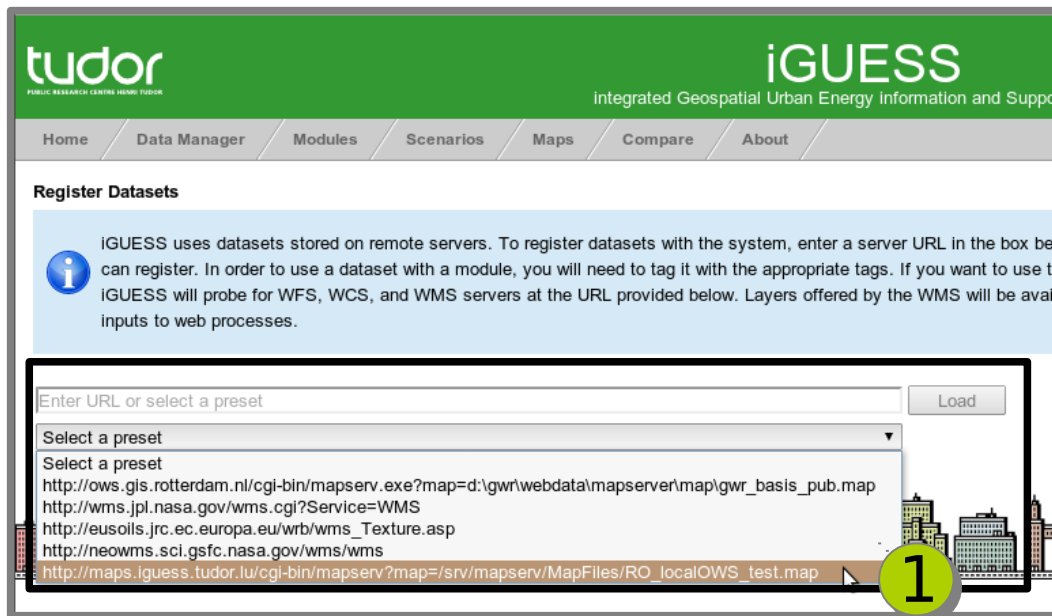
http://ows.gis.rotterdam.nl/cgi-bin/mapserv.exe?map=d:\gwr\webdata\mapserver\map\gwr_basis_pub.map

http://wms.jpl.nasa.gov/wms.cgi?Service=WMS

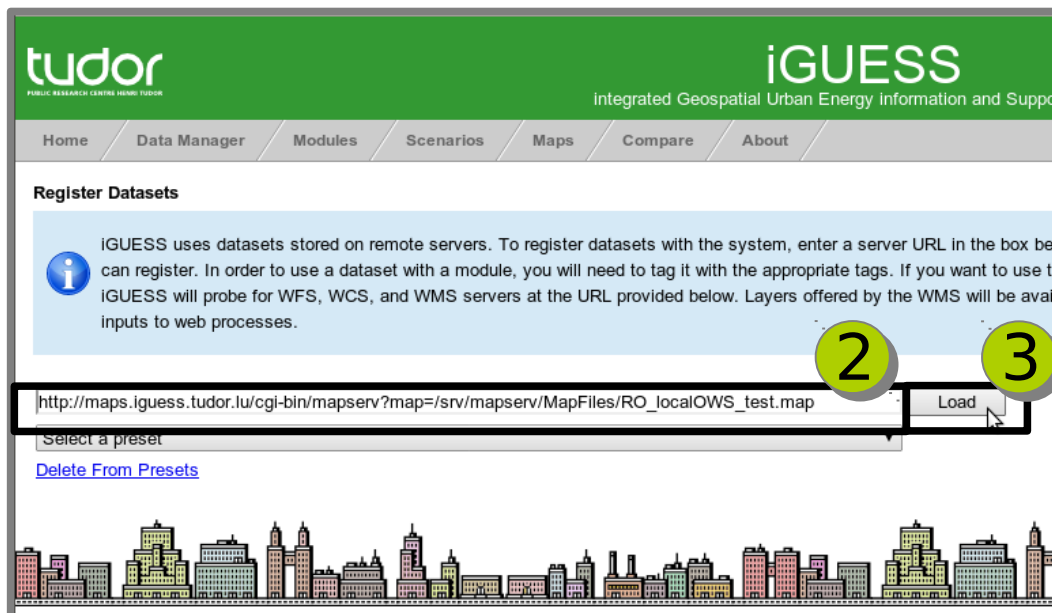
http://eusolils.jrc.ec.europa.eu/wrb/wms_Texture.asp

http://neowms.sci.gsfc.nasa.gov/wms/wms

http://maps.iguess.tudor.lu/cgi-bin/mapserv?map=/srv/mapserv/MapFiles/RO_localOWS_test.map

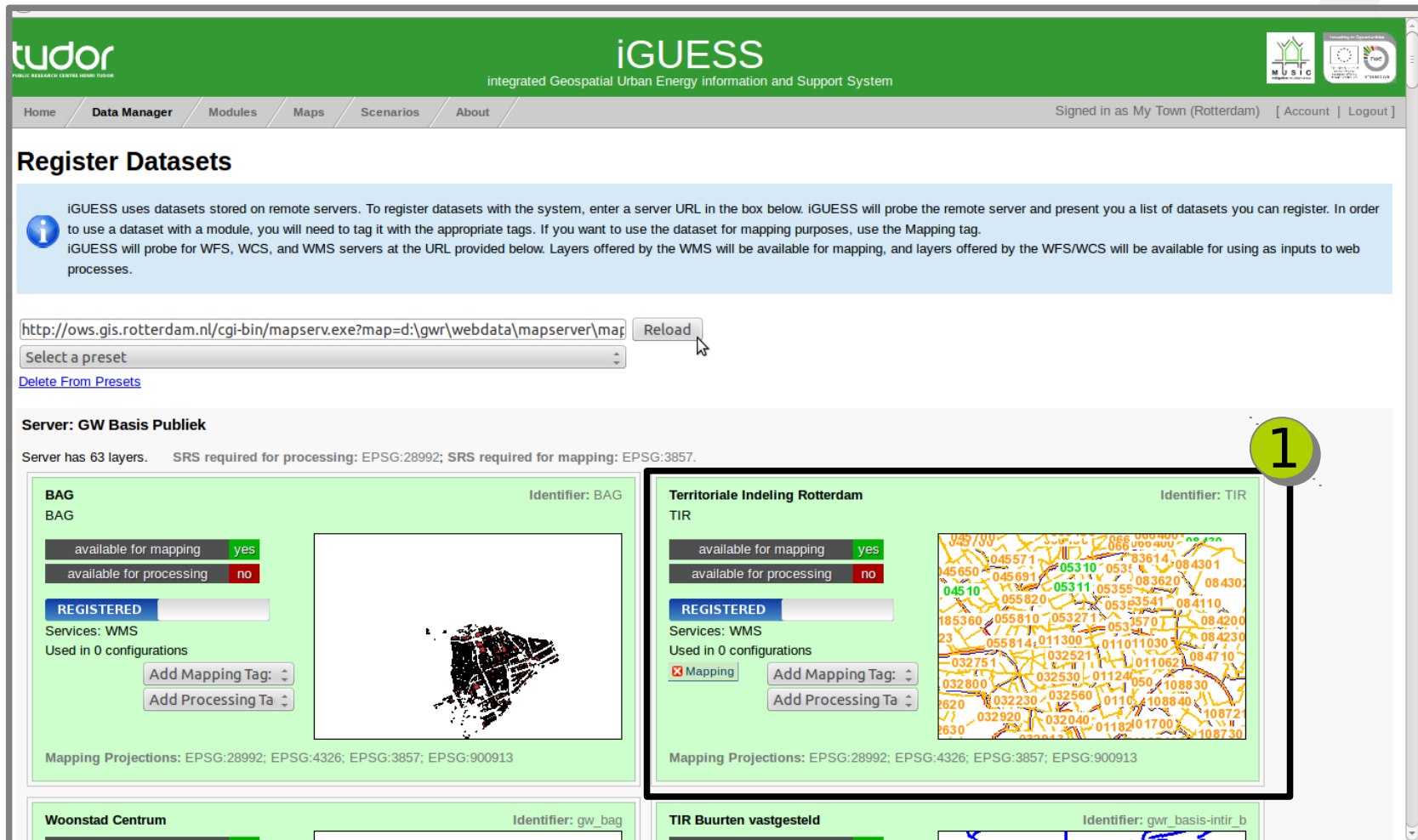


- 1 In my case I select the map server located at CRP Henri Tudor by clicking on the last line of the preset URL.



- 2 I check that the right URL is selected.
- 3 Then I click on the **Load** button.

Now I can see all the unregistered and registered datasets linked to my map server. What do I see if I look more closely at dataset **1**?



tudor **iGUESS**
Integrated Geospatial Urban Energy information and Support System

Home Data Manager Modules Maps Scenarios About Signed in as My Town (Rotterdam) [Account | Logout]

Register Datasets

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Select a preset

[Delete From Presets](#)

Server: GW Basis Publiek

Server has 63 layers. SRS required for processing: EPSG:28992; SRS required for mapping: EPSG:3857.

BAG Identifier: BAG

available for mapping **yes**

available for processing **no**

REGISTERED

Services: WMS

Used in 0 configurations

Add Mapping Tag:

Add Processing Tag:

Mapping Projections: EPSG:28992; EPSG:4326; EPSG:3857; EPSG:900913

Territoriale Indeling Rotterdam Identifier: TIR

available for mapping **yes**

available for processing **no**

REGISTERED

Services: WMS

Used in 0 configurations

☒ Mapping

Add Mapping Tag:

Add Processing Tag:

Mapping Projections: EPSG:28992; EPSG:4326; EPSG:3857; EPSG:900913

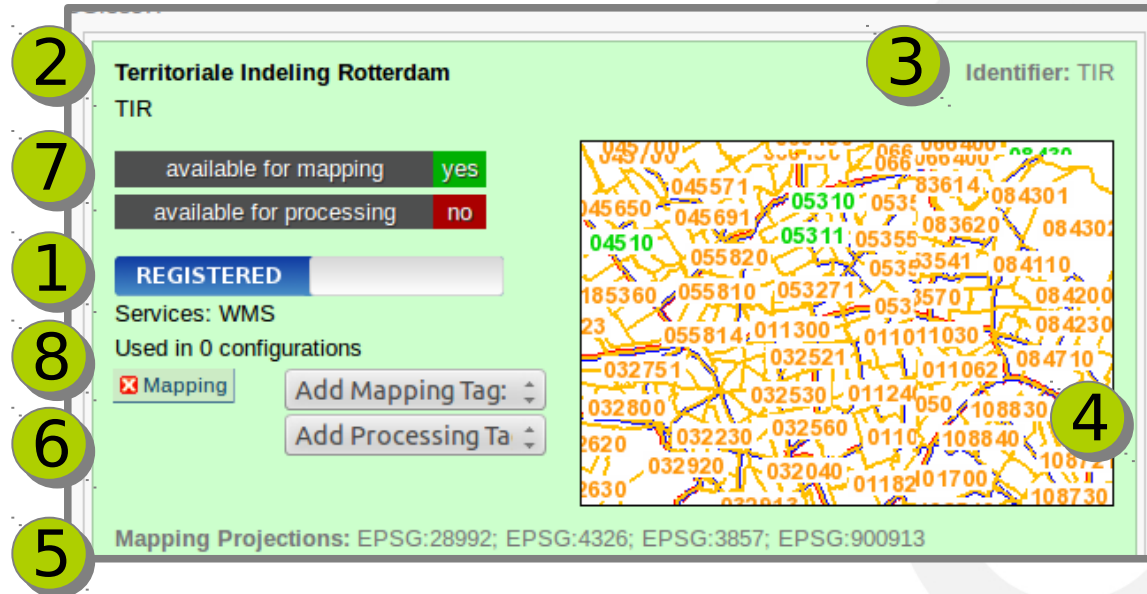
Woonstad Centrum Identifier: gw_bag

TIR Buurten vastgesteld Identifier: gwr_basis-intir_b

The window concerning **Rotterdam Territorial Indeling** is green. This means that it is registered as is confirmed by the switch button **1**.

Each dataset contains the following features:

- 2** A description
- 3** An identifier used by the system for calculations
- 4** A preview map
- 5** Mapping and processing projection systems
- 6** Tags: Mapping tag makes the data available for mapping.
- 7** Types of availability for the dataset: mapping or processing.
- 8** Complementary information: types of services for this dataset and number of linked configured modules.



With the scroll down bar on the right hand side **1**, or with the mouse, I go down to the unregistered dataset that I want to register: the **Electricity demand at Block level** in Rotterdam.

2 The window of an unregistered dataset is pink red.

The screenshot shows a web application interface with a grid of dataset cards. The cards are organized into rows and columns. The top row contains two cards: 'TIR Wijken lbi' and 'Publiek OWS Mapserver Kernregistratie Rotterdam'. The 'TIR Wijken lbi' card is green and shows a map of Rotterdam with various districts labeled. The 'Publiek OWS Mapserver Kernregistratie Rotterdam' card is pink-red and shows a map of Rotterdam with various districts labeled. A yellow circle with the number 1 is on the right scroll bar. A yellow circle with the number 2 is on the pink-red card.

Mapping Projections: EPSG:28992; EPSG:4326; EPSG:3857; EPSG:900913
Processing Projections: EPSG:28992

Identifier: gwr_basis-intir_w_lbi
available for mapping **yes**
available for processing **no**
REGISTERED
Services: WMS
Used in 0 configurations
Add Mapping Tag:
Add Processing Tag:
Mapping Projections: EPSG:28992; EPSG:4326; EPSG:3857; EPSG:900913

Mapping Projections: EPSG:28992; EPSG:4326; EPSG:3857; EPSG:900913
Processing Projections: EPSG:28992

Identifier: GWR_BASIS
GWR_BASIS
available for mapping **yes**
available for processing **no**
UNREGISTERED
Services: WMS
Add Mapping Tag:
Mapping:
Mapping Projections: EPSG:28992; EPSG:4326; EPSG:3857; EPSG:900913

Identifier: Hoogtebestand
Hoogtebestand
available for mapping **yes**
available for processing **no**
UNREGISTERED
Services: WMS
Add Mapping Tag:
Add Processing Tag:
Mapping Projections: EPSG:28992; EPSG:4326; EPSG:3857; EPSG:900913

Identifier: gwr_basis-intir_d_numbl
available for mapping **yes**
available for processing **no**
UNREGISTERED
Services: WMS
Add Mapping Tag:
Add Processing Tag:
Mapping Projections: EPSG:28992; EPSG:4326; EPSG:3857; EPSG:900913

Identifier: gwr_basis-intir_d_vrst
available for mapping **yes**
guess.tudor.lu/datasets/mass_import/1#

Identifier: gwr_basis-intir_g_numbl
available for mapping **yes**
available for processing **no**

Publiek OWS Mapserver Kernregistratie Rotterdam Identifier: GWR_BASIS

GWR_BASIS

available for mapping **yes**

available for processing **no**

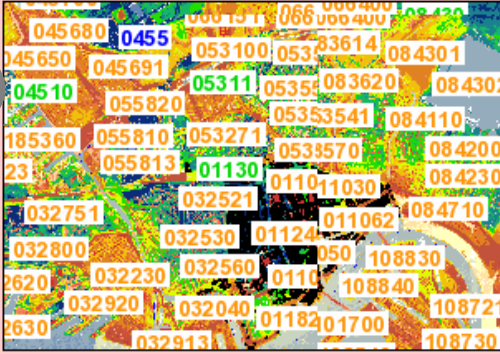
1 UNREGISTERED

Services: WMS

Add Mapping Tag: ▾

Mapping ▾

Mapping Projections: EPSG:28992; EPSG:4326; EPSG:3857; EPSG:900913



2

Publiek OWS Mapserver Kernregistratie Rotterdam Identifier: GWR_BASIS

GWR_BASIS

available for mapping **yes**

available for processing **no**

2 REGISTERED


Services: WMS

Add Mapping Tag: ▾

Add Processing Tag: ▾

3 Mapping

Mapping Projections: EPSG:28992; EPSG:4326; EPSG:3857; EPSG:900913



The image shows two screenshots of a web interface for managing OWS datasets. The top screenshot shows the 'UNREGISTERED' state with a red background. The bottom screenshot shows the 'REGISTERED' state with a green background. An orange arrow points from the 'UNREGISTERED' state to the 'REGISTERED' state. In the 'REGISTERED' state, the 'Add Processing Tag' dropdown menu is open, and 'Mapping' is selected. The interface includes fields for 'available for mapping' (yes) and 'available for processing' (no), a 'Services' dropdown (WMS), and a 'Mapping Projections' list (EPSG:28992; EPSG:4326; EPSG:3857; EPSG:900913). A map preview is shown on the right side of each interface.

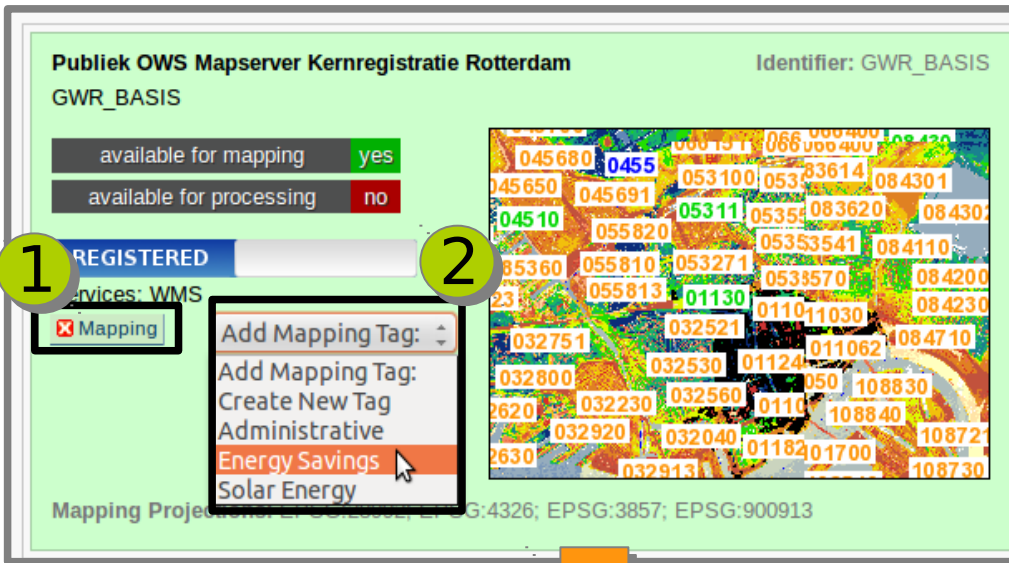
1 In order to register this dataset I click on the left side of the switch button.

2 The switch button switches to the Registered position while the colour of the window changes into green.

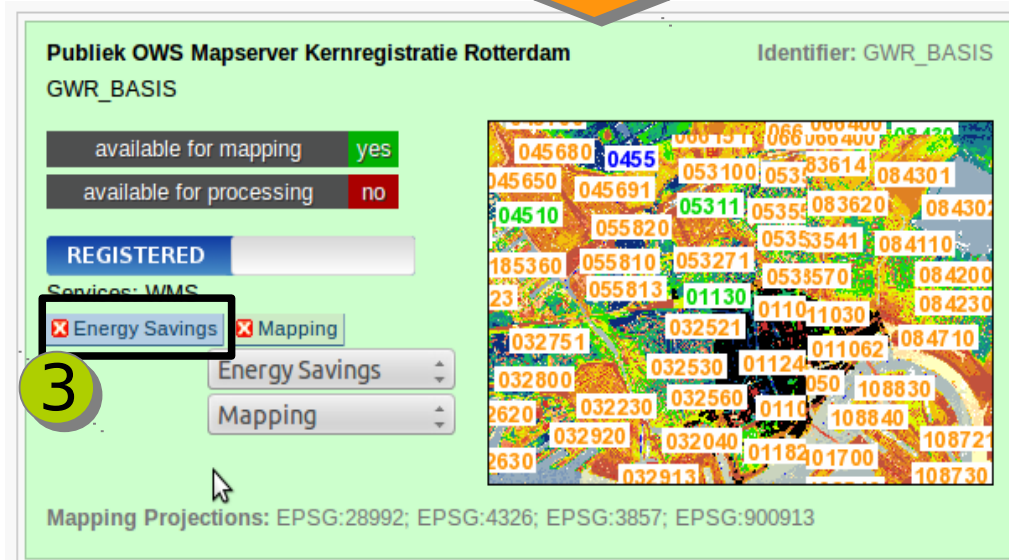


My dataset is now registered!

3 In order to tag the dataset for mapping I select **Mapping** in the scroll-down menu entitled "Add processing tag".



- 1 The button **X Mapping** shows that the dataset has been tagged for mapping.
- 2 In order to tag the dataset for the module Energy Savings, I select Energy Savings in the scroll down menu "Add Mapping Tag".



- 3 The button **X Energy Savings** appears next to Mapping!



My dataset is now tagged for both mapping and the module Energy Savings!

Next steps

Once I have registered all the data inputs of a module and that I have tagged them to the right module, I can configure the module.



I configure a module in iGUESS