

IEA-EBC Annex 70 Data Registry

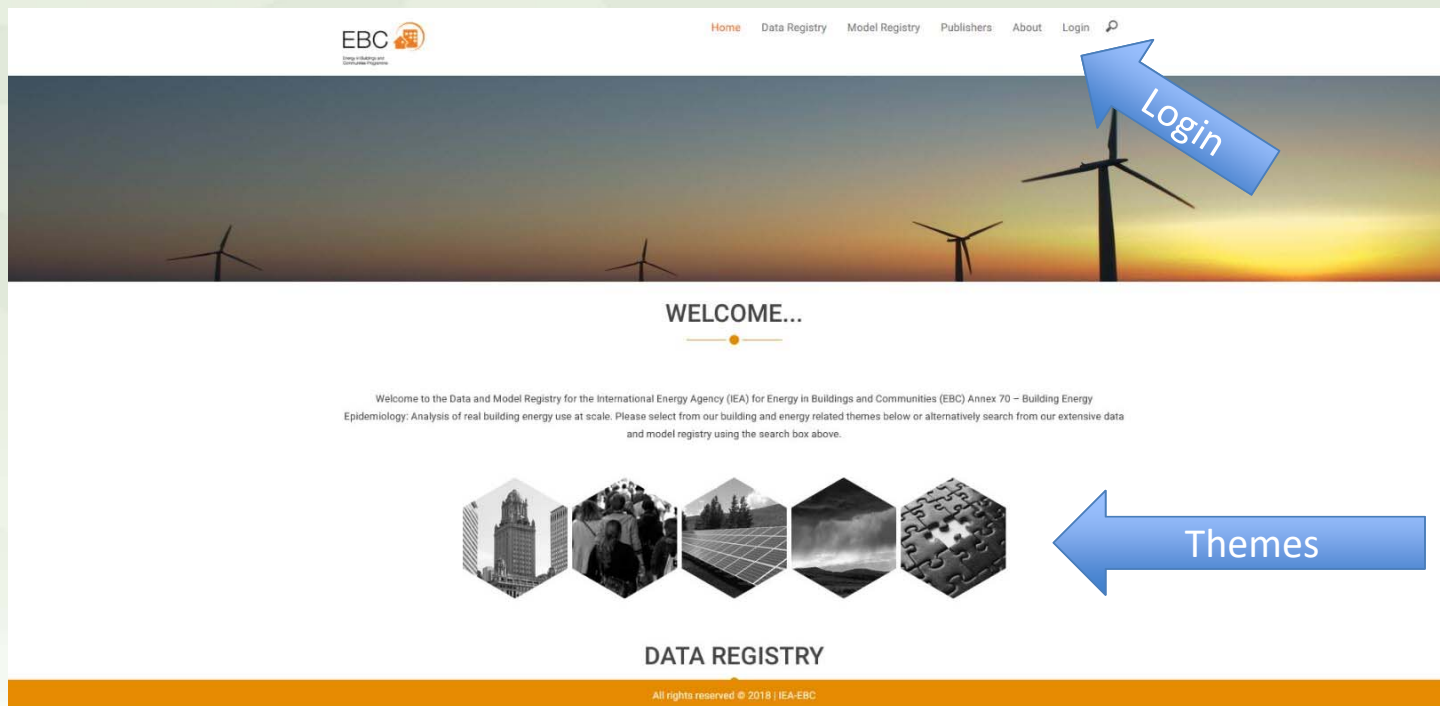
IERC, Cork.

3rd April 2018



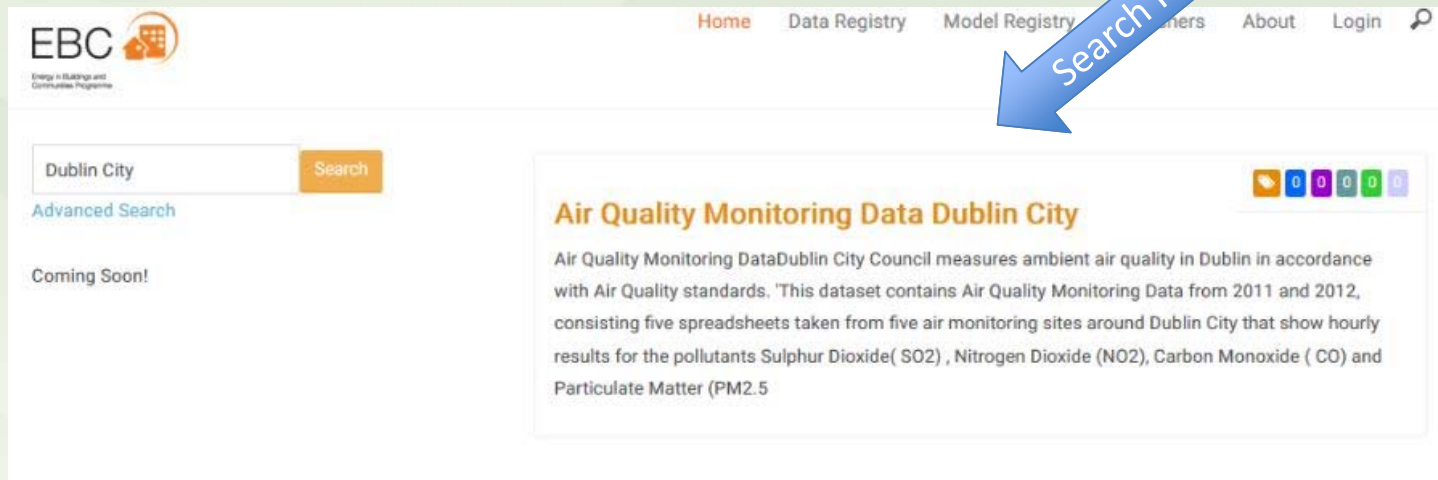
Website UI

- IEA-EBC Website UI



Website UI

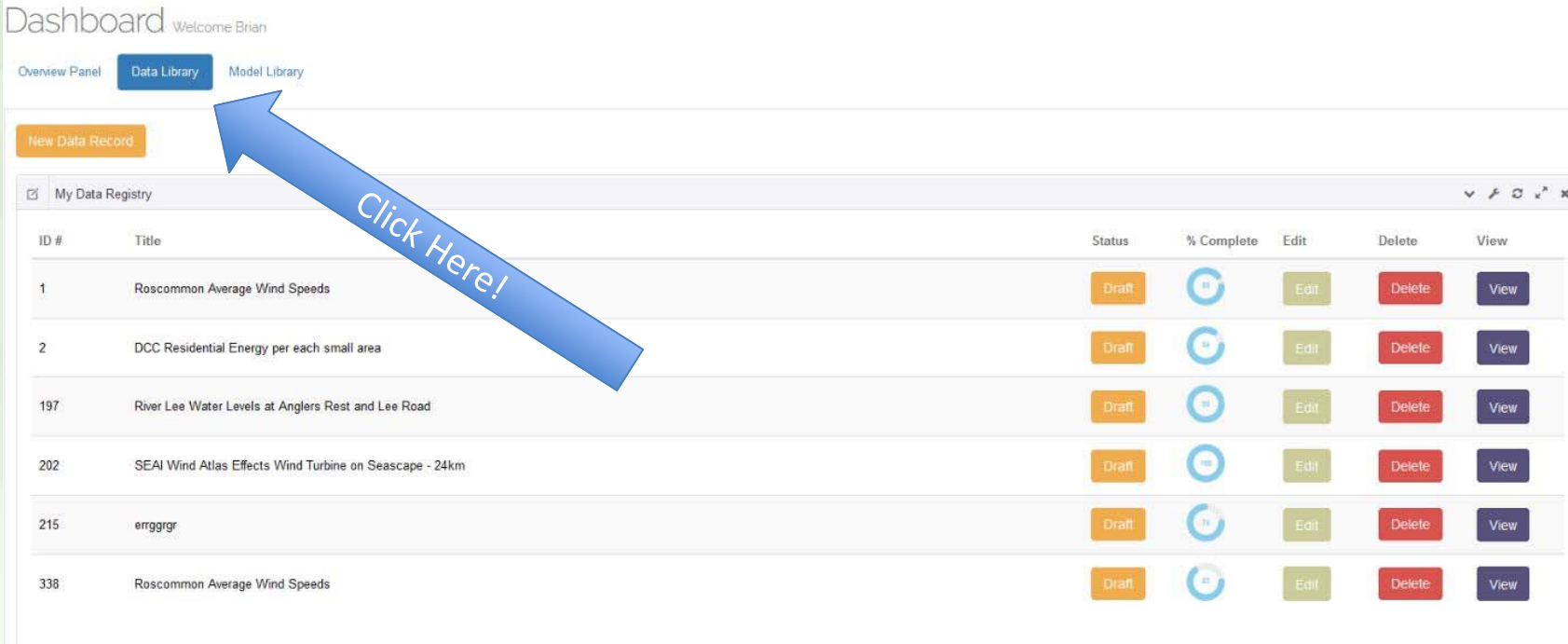
- Data Registry will be changing quite a bit over the next few weeks with added details
- Search at the moment is quite basic, a more advanced algorithm is currently being developed to make it “smarter”



The screenshot shows the EBC website interface. At the top left is the EBC logo with the text 'Energy in Buildings and Communities Programme'. The navigation menu includes 'Home', 'Data Registry', 'Model Registry', 'Partners', 'About', and 'Login'. A search bar contains the text 'Dublin City' and an orange 'Search' button. Below the search bar, there is a link for 'Advanced Search' and a 'Coming Soon!' message. The search results section is titled 'Air Quality Monitoring Data Dublin City' and includes a social media sharing bar. The text below the title describes the dataset: 'Air Quality Monitoring Data Dublin City Council measures ambient air quality in Dublin in accordance with Air Quality standards. This dataset contains Air Quality Monitoring Data from 2011 and 2012, consisting five spreadsheets taken from five air monitoring sites around Dublin City that show hourly results for the pollutants Sulphur Dioxide (SO₂), Nitrogen Dioxide (NO₂), Carbon Monoxide (CO) and Particulate Matter (PM_{2.5}).' A blue arrow labeled 'Search Results' points to the search results section.

Admin UI – Data Library – My Data Registry

- After you login, select Data Library to see your records created, including some information about each record.
- **Note: View shows how it will appear in the Website UI, Edit will be delivered next week!**



Dashboard Welcome Brian

Overview Panel **Data Library** Model Library

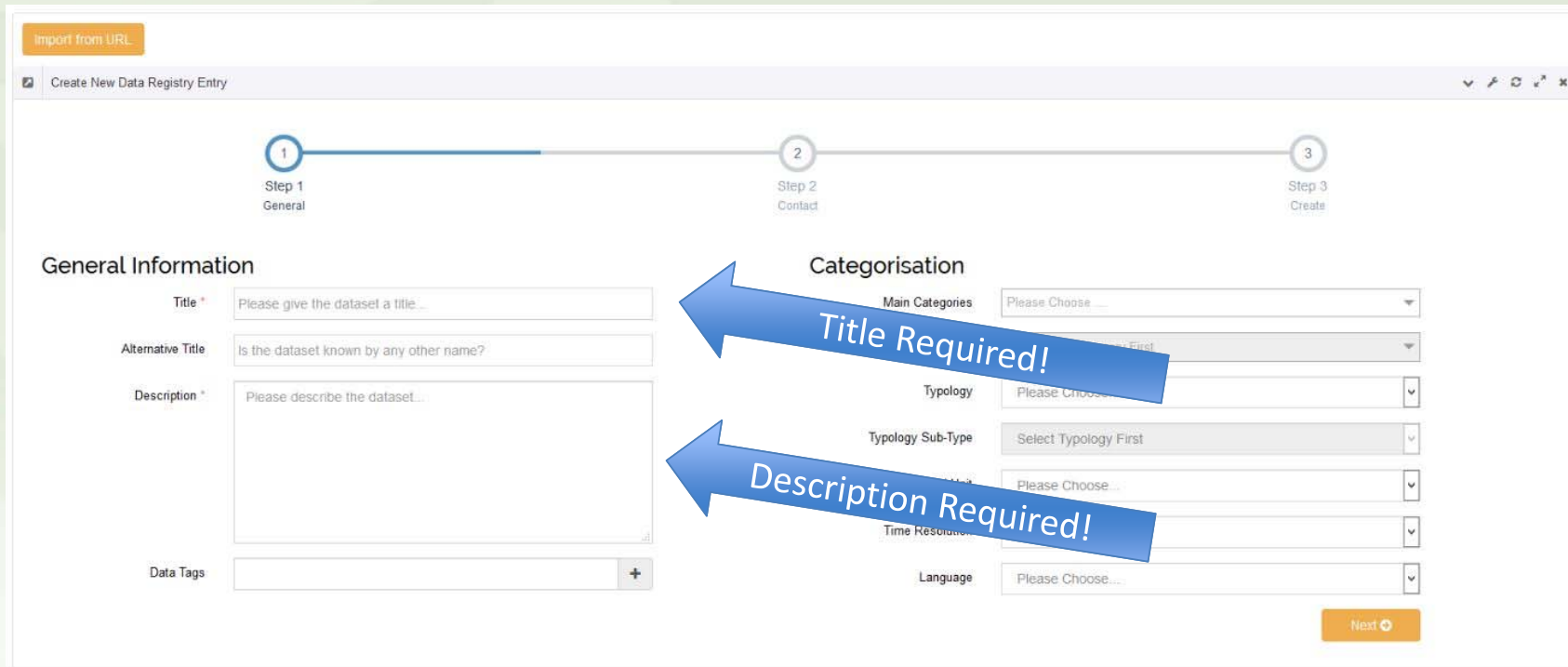
New Data Record

My Data Registry

ID #	Title	Status	% Complete	Edit	Delete	View
1	Roscommon Average Wind Speeds	Draft	0%	Edit	Delete	View
2	DCC Residential Energy per each small area	Draft	0%	Edit	Delete	View
197	River Lee Water Levels at Anglers Rest and Lee Road	Draft	0%	Edit	Delete	View
202	SEAI Wind Atlas Effects Wind Turbine on Seascape - 24km	Draft	0%	Edit	Delete	View
215	errgrgr	Draft	0%	Edit	Delete	View
338	Roscommon Average Wind Speeds	Draft	0%	Edit	Delete	View

Admin UI – Add New Form – Minimum Required

Title and Description are required to continue to next step!



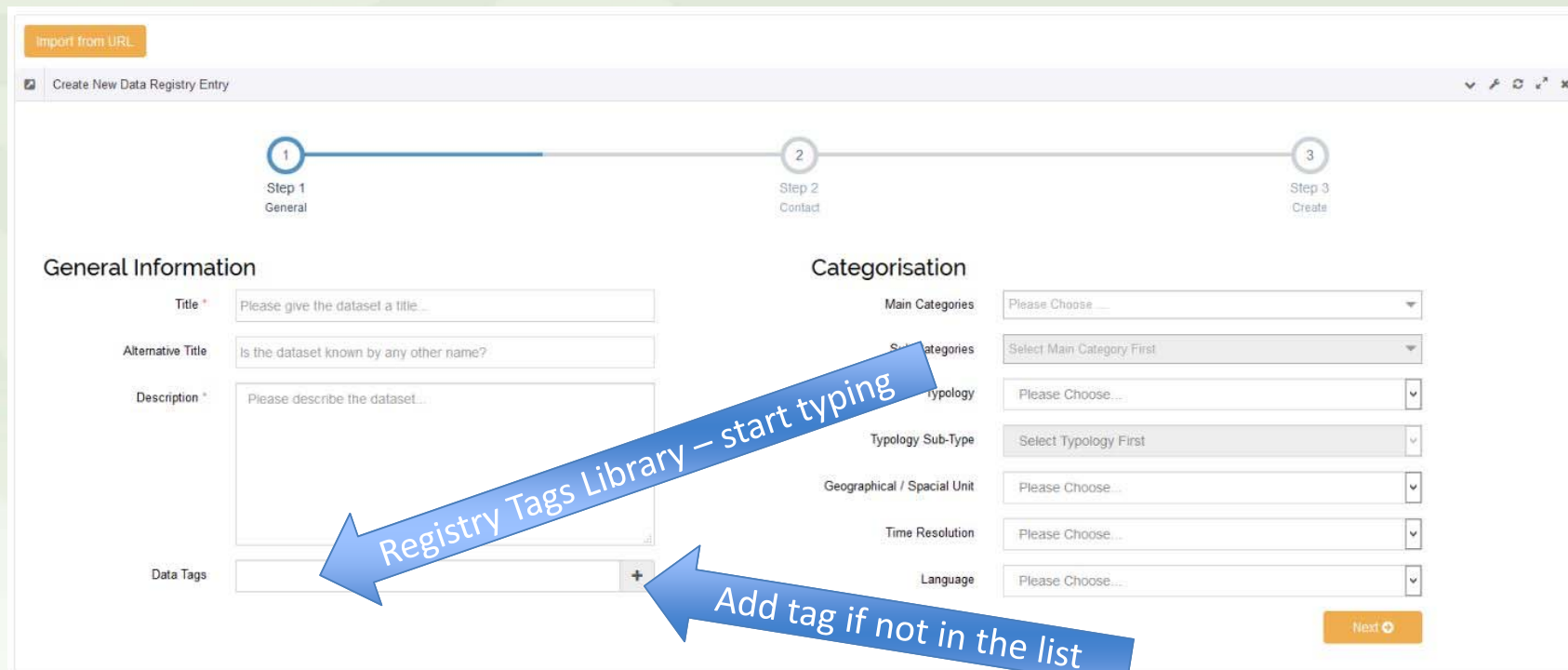
The screenshot displays a three-step process for creating a new data registry entry. Step 1, 'General', is active and contains the following fields:

- Title ***: A text input field with the placeholder text 'Please give the dataset a title...'. A blue arrow points to this field with the text 'Title Required!'.
- Alternative Title**: A text input field with the placeholder text 'Is the dataset known by any other name?'.
- Description ***: A text area with the placeholder text 'Please describe the dataset...'. A blue arrow points to this field with the text 'Description Required!'.
- Data Tags**: A text input field with a '+' icon.

Step 2, 'Contact', and Step 3, 'Create', are shown as inactive in the progress bar. The 'Categorisation' section on the right includes several dropdown menus: 'Main Categories', 'Typology', 'Typology Sub-Type', 'Time Resolution', and 'Language'. A 'Next' button is located at the bottom right of the form.

Admin UI – Add New Form - Tags

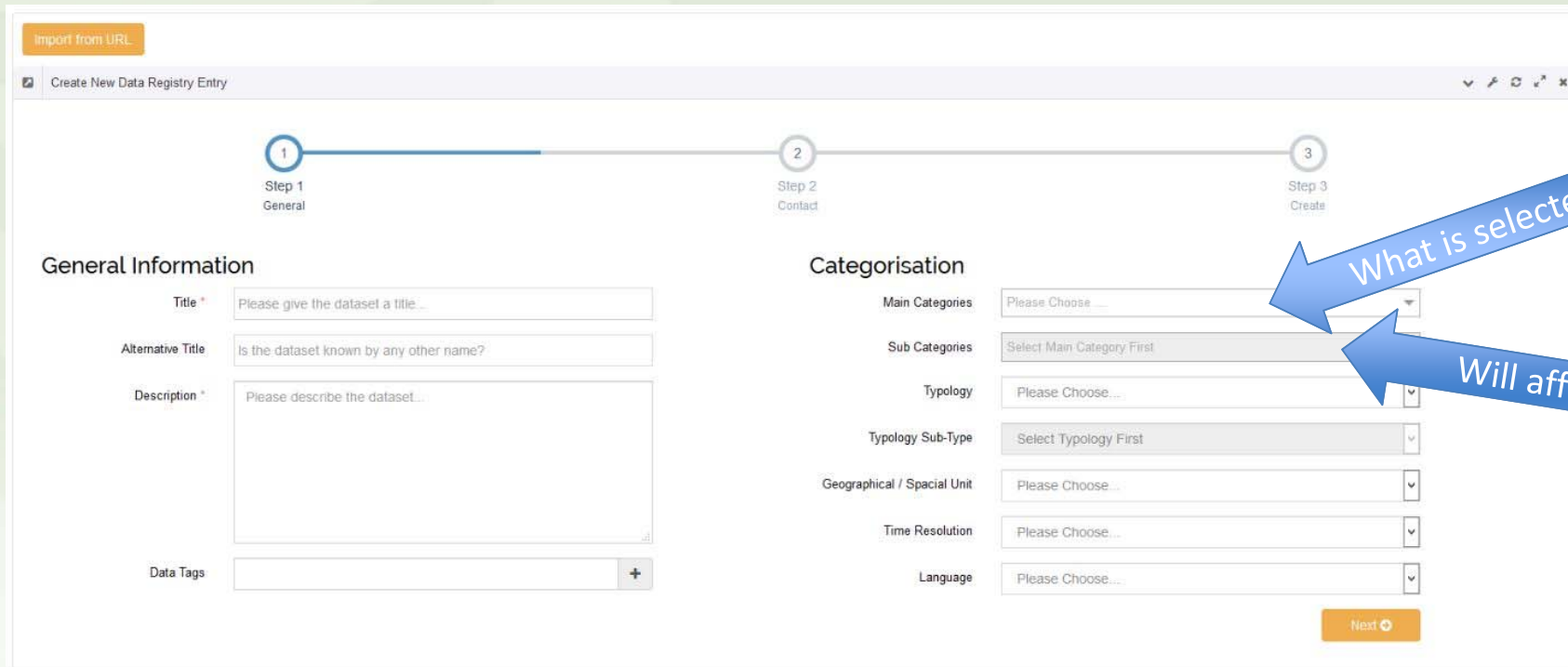
- Select tags related to the data by typing or add a tag if it not in the library.
- After you add a tag, start typing again to find your newly created tag!



The screenshot displays the 'Create New Data Registry Entry' form, which is divided into three steps: Step 1 (General), Step 2 (Contact), and Step 3 (Create). The 'General Information' section includes fields for Title, Alternative Title, and Description. The 'Categorisation' section includes dropdown menus for Main Categories, Sub-Categories, Typology, Typology Sub-Type, Geographical / Spatial Unit, Time Resolution, and Language. The 'Data Tags' field is located at the bottom left of the form, and a plus sign button is visible next to it. Two blue arrows point to the plus sign button with the text 'Registry Tags Library – start typing' and 'Add tag if not in the list'.

Admin UI – Add New Form – Themes

- Main Themes are Energy, Building, People, Environment and Other (Dataset could contain data from multiple themes)
- What you select in the Main Theme(s) will determine the Sub Theme(s) list



import from URL

Create New Data Registry Entry

1 Step 1 General

2 Step 2 Contact

3 Step 3 Create

General Information

Title * Please give the dataset a title...

Alternative Title Is the dataset known by any other name?

Description * Please describe the dataset...

Data Tags +

Categorisation

Main Categories Please Choose ...

Sub Categories Select Main Category First

Typology Please Choose...

Typology Sub-Type Select Typology First

Geographical / Spatial Unit Please Choose...

Time Resolution Please Choose...

Language Please Choose...

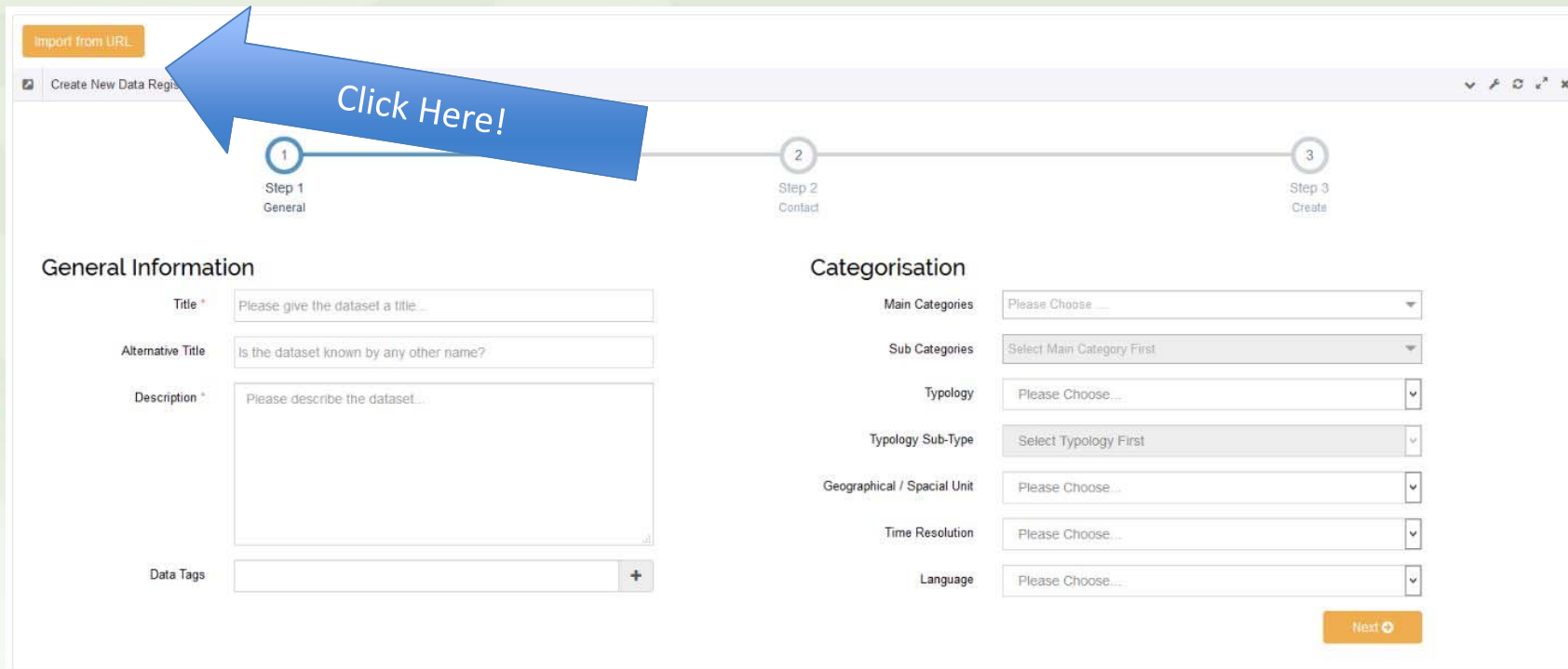
Next

What is selected here

Will affect this list

Admin UI – Import from URL - CKAN

- CKAN Option – users have the option of importing from another website, using the Import from URL button
- Note: This only works for some sites for now!



import from URL

Create New Data Register

Click Here!

1 Step 1 General

2 Step 2 Contact

3 Step 3 Create

General Information

Title * Please give the dataset a title...

Alternative Title Is the dataset known by any other name?

Description * Please describe the dataset...

Data Tags +

Categorisation

Main Categories Please Choose ...

Sub Categories Select Main Category First

Typology Please Choose...

Typology Sub-Type Select Typology First

Geographical / Spatial Unit Please Choose...

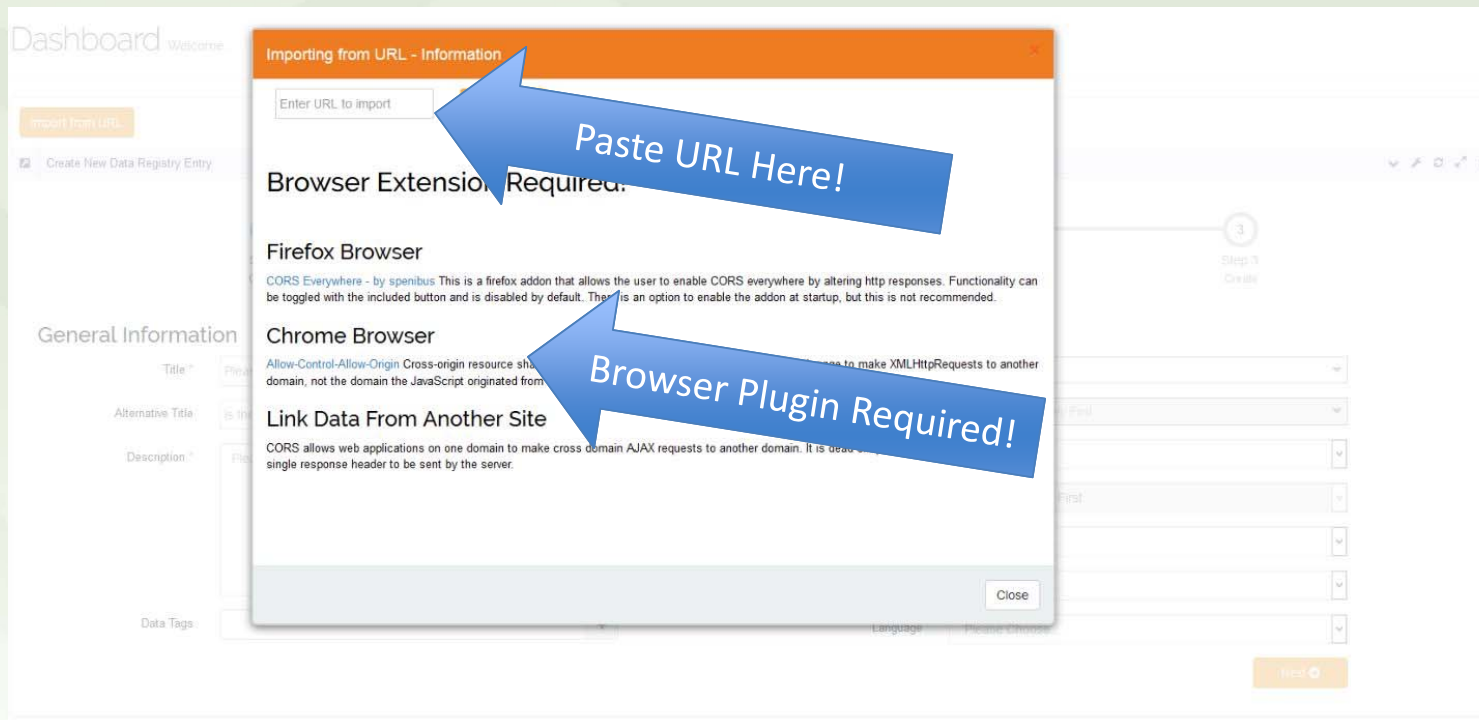
Time Resolution Please Choose...

Language Please Choose...

Next

Admin UI – Import from URL – CKAN cont.

- Download the browser plugin first to enable cross-site importing
- Copy the link you want the data to be imported from and paste it in the box



Dashboard Welcome

import from URL

Create New Data Registry Entry

General Information

Title *

Alternative Title

Description *

Data Tags

Importing from URL - Information

Enter URL to import

Paste URL Here!

Browser Extension Required.

Browser Plugin Required!

Firefox Browser

CORS Everywhere - by spenibus This is a firefox addon that allows the user to enable CORS everywhere by altering http responses. Functionality can be toggled with the included button and is disabled by default. There is an option to enable the addon at startup, but this is not recommended.

Chrome Browser

Allow-Control-Allow-Origin Cross-origin resource sharing. This extension allows you to make XMLHttpRequests to another domain, not the domain the JavaScript originated from.

Link Data From Another Site

CORS allows web applications on one domain to make cross domain AJAX requests to another domain. It is used to allow a single response header to be sent by the server.

Close

Step 3
Cancel

Final

Admin UI – Add New Form – My Data Registry

- After you click Next in the form, it will save your current progress and you can come back and edit it / complete later.

Dashboard Welcome Brian

Overview Panel **Data Library** Model Library

New Data Record

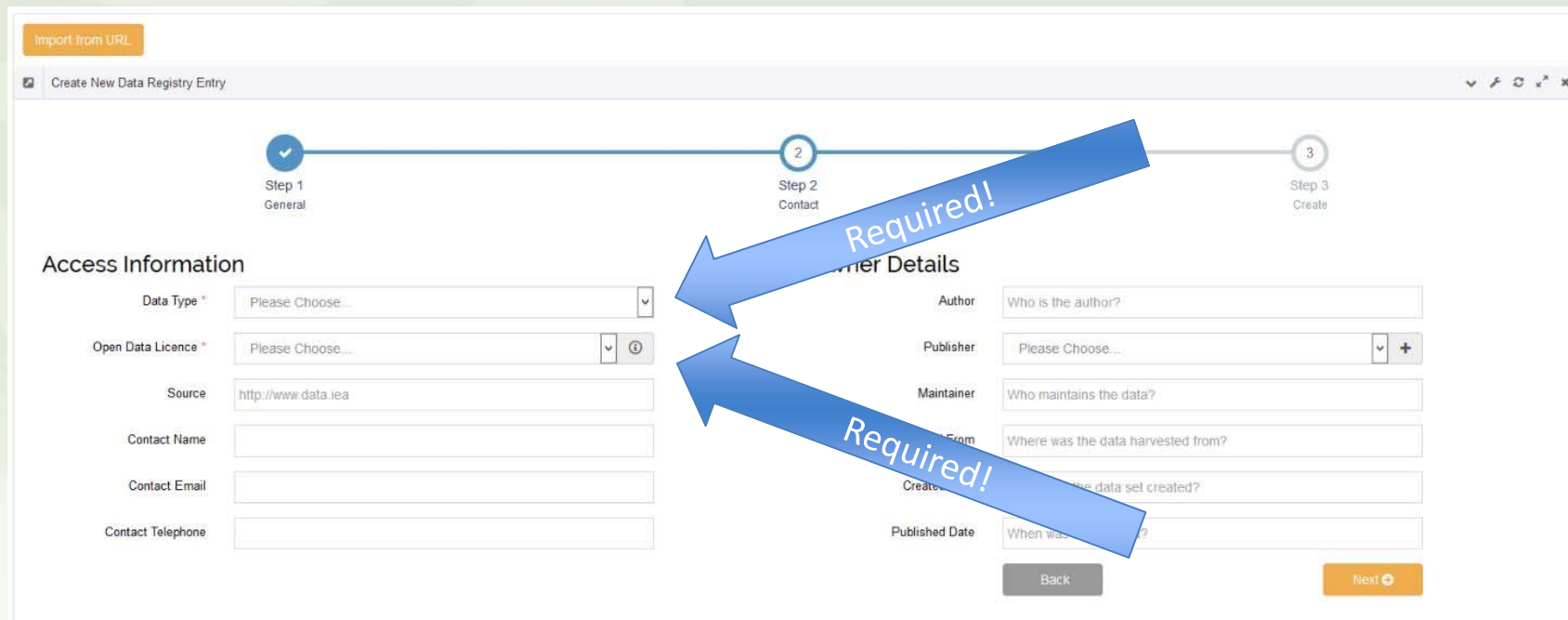
My Data Registry

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215	errgrgr	Draft		Edit	Delete	View
338	Roscommon Average Wind Speeds	Draft		Edit	Delete	View

Your new registry entry!

Admin UI – Add New Form – Step 2

- Data Type and Open data Licence are the minimum requirement in Step 2.
- These ensure that private data is not shared and that users have an understanding of how they can use the data.



Import from URL

Create New Data Registry Entry

Step 1 General | **Step 2 Contact** | Step 3 Create

Access Information

Data Type * Please Choose ...

Open Data Licence * Please Choose ...

Source http://www.data.iea

Contact Name

Contact Email

Contact Telephone

Owner Details

Author Who is the author?

Publisher Please Choose ...

Maintainer Who maintains the data?

From Where was the data harvested from?

Created When was the data set created?

Published Date When was ...?

Back Next

Admin UI – Add New Form – Step 3 - Create

- Step 3 is where your Registry Record gets created / added to Website UI searchable (Data Type depending) records
- User Generated Tags are listed at the bottom

Registry Overview / Confirm

Data Registry Title: MÉRA (Met Éireann ReAnalysis) Climate Reanalysis

MÉRA (Met Éireann ReAnalysis) Climate Reanalysis
Published by: 16
Data Type: **Public**
Data Licence: **Public Domain**

Description: *Climate reanalysis is a systematic approach used to produce meteorological datasets for climate monitoring and research. They are created using a fixed version of a forecast model and a data assimilation system which utilises historical observations and they produce parameters that are physically consistent and often not routinely observed. Thus, climate reanalyses have the potential to extend the knowledge gained from current observation networks. Met Éireann has carried out a 35-year very high resolution (2.5 km horizontal grid) regional climate reanalysis for Ireland using the ALADIN-HIRLAM numerical weather prediction system (www.hirlam.org). This reanalysis spans the period 1981 to 2015 and includes surface, near-surface and atmospheric parameters and is the first of its kind for Ireland.*

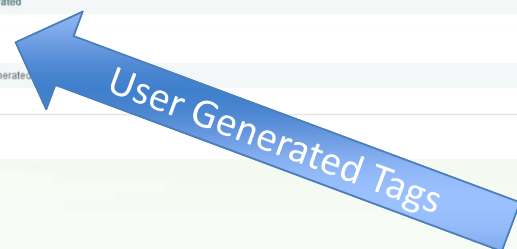

Source:
Harvested: <https://data.gov.ie/dataset/m-ra-met-ireann-reanalysis-climate-reanalysis>
Language: -
Contact Name: **Met Éireann MÉRA Team**
Contact Email: mera@met.ie
Contact Telephone:
Author:
Maintainer:
Created Date: **1981-01-01**
Published Date: **2015-12-31**
Typology: **Others**
Sub Typology:
Geographical / Spatial Unit: **Component**
Time Resolution: **Monthly**

Data Tags - User Generated

MÉRA

Data Tags - System Generated

Create



Admin UI – Add New Form – Step 3 - Create

- The system also analyses the title and description boxes to generate tags automatically, to remove them simply click the X in the tag. The algorithm for doing this will improve in future versions of the software.
- Once you click create the Status will change from Draft to Live. Further developments will be made to this in future iterations to allow for different status types.

Registry Overview / Confirm

Data Registry Title: MÉRA (Met Éireann ReAnalysis) Climate Reanalysis

MÉRA (Met Éireann ReAnalysis) Climate Reanalysis

Published by: 16
Data Type: Public
Data Licence: Public Domain

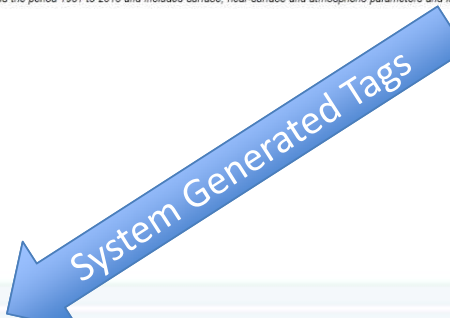
Description: Climate reanalysis is a systematic approach used to produce meteorological datasets for climate monitoring and research. They are created using a fixed version of a forecast model and a data assimilation system which utilises historical observations and they produce parameters that are physically consistent and often not routinely observed. Thus, climate reanalyses have the potential to extend the knowledge gained from current observation networks. Met Éireann has carried out a 35-year very high resolution (2.5 km horizontal grid) regional climate reanalysis for Ireland using the ALADIN-HIRLAM numerical weather prediction system (www.hiram.org). This reanalysis spans the period 1981 to 2015 and includes surface, near-surface and atmospheric parameters and is the first of its kind for Ireland.

Source:
Harvested: <https://data.gov.ie/dataset/m-ra-met-ireann-reanalysis-climate-reanalysis>
Language: -

Contact Name: Met Éireann MÉRA Team
Contact Email: mera@met.ie
Contact Telephone:
Author:
Maintainer:
Created Date: 1981-01-01
Published Date: 2015-12-31
Typology: Others
Sub Typology:
Geographical / Spatial Unit: Component
Time Resolution: Monthly

Data Tags - User Generated

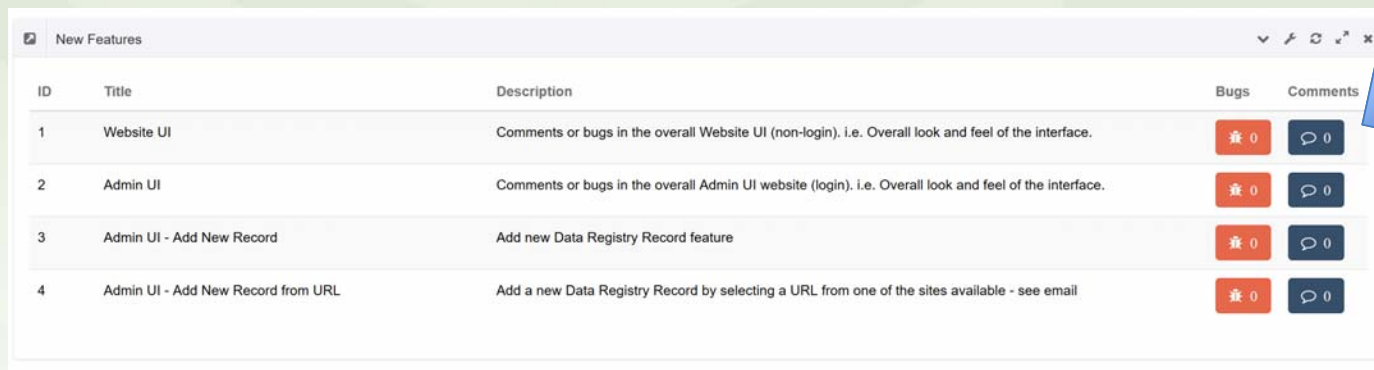
Data Tags - System Generated









Climate, Reanalysis, Systematic, Approach, Used, Produce, Meteorological, Datasets, Climate, Monitoring, Research, Air, Created, Fact, Version, Forecast, Model, Data, Assimilation, System, Library, Historical, Observations, Parameters, Physically, Consistent, Often, Primarily, Observed, This, Reanalysis, Potential, Extent, Knowledge, Gained, Current, Observation, Numerical, Met, Hiram, Has, Carried, Year, High, Resolution, Km, Horizontal, Grid, Regional, Ireland, ALADIN-HIRLAM, Numerical, Weather, Prediction, View, Hiram, Org, Spans, Period, Includes, Surface, Near-surface, Atmospheric, Kind, Ireland ALADIN-HIRLAM

Admin UI – Testing - Features

- In the left hand menu there is a Testing Option.
- This page contains a list of all features that are available for testing.
- Please add any Comments and Bugs you find here. (Click on the Bugs / Comments buttons next to the feature)
- The development team will review all comments and bugs and deal with them in order of importance.



ID	Title	Description	Bugs	Comments
1	Website UI	Comments or bugs in the overall Website UI (non-login). i.e. Overall look and feel of the interface.	 0	 0
2	Admin UI	Comments or bugs in the overall Admin UI website (login). i.e. Overall look and feel of the interface.	 0	 0
3	Admin UI - Add New Record	Add new Data Registry Record feature	 0	 0
4	Admin UI - Add New Record from URL	Add a new Data Registry Record by selecting a URL from one of the sites available - see email	 0	 0

Bugs and Comments - Click