

Creative uses of the Borealis API!

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SP Day 2025

APIS! And Borealis!

- The great thing about Borealis is that it is built on top of a full function API.
- This means that you can interact with it using things like Python to create custom curation or analysis tasks.
- This is a story about this!

Use! Case!

Let's Make sure all of the items in our
Dataverse have a **Related Publication**
field!

API Key



Borealis >

Account - Borealis

My Data

Notifications

Account Information

API Token

Your API Token is valid for a year. Check out our [API Guide](#) for more information on using your API Token with the Dataverse APIs.

Expiration Date

2025-12-05

e2d7d1db-da50-4704-98d8-4a415bef0786

Copy to Clipboard

Recreate Token

Revoke Token

(Account Link in top right of page)

Google, Colab!

- A 'Notebook' platform from Google
- Paste in your API key, hit **Run All**

The screenshot shows a Google Colab notebook titled "Check_Associated_Publication.ipynb". The interface includes a top menu bar with "File", "Edit", "View", "Insert", "Runtime", "Tools", and "Help". Below the menu is a toolbar with "Commands", "+ Code", "+ Text", and "Copy to Drive". The notebook content is organized into sections:

- Associated Publication Check**: A section containing a paragraph of text: "Will guide user on a process of checking datasets in a DV site to generate a list of sets with no **associated publication**. Currently working with [Borealis](#) from Scholars Portal. Tweaked to be run on Google Colab." followed by a numbered list:
 1. You will need an [API Key](#)
 2. Paste that in, adjust other values
 3. Under *Runtime* menu click *Run all*
- Datavere Details Needed**: A section containing three input fields:
 - BASE_URL**: "https://borealisdata.ca"
 - DATAVERSE_NAME**: "brock"
 - API_KEY**: "e2d7d1db-da50-4704-98d8-4a415bef0786"

Below the input fields, there is a "Show code" link and a status message: "... Collecting pyDataverse".



0s

```
[6] 1 #If you prefer to work with a dataframe uncomment below
    2 dataset_check_df
```



	URL	TITLE	Related Publication
0	https://doi.org/10.5683/SP2/HUAFRE	Indigenous civil society and ICTs in Latin Ame...	Lupien, P., G. Chiriboga and S. Machaca. 2021....
1	https://doi.org/10.5683/SP3/PPTY0N	Carbon Disclosure Project Climate Change Data	No Citation Found
2	https://doi.org/10.5683/SP3/NXSL3Q	Phenotypic Rates of Change Evolutionary and Ec...	Sanderson S, Beausoleil MO, O'Dea RE, Wood ZT,...
3	https://doi.org/10.5683/SP3/VBVFJT	Investigating Postsynaptic Effects of a Drosop...	No Citation Found
4	https://doi.org/10.5683/SP3/X6BWUQ	Dataset to accompany manuscript: Seasonal vari...	No Citation Found
5	https://doi.org/10.5683/SP3/MQPFHT	Data set to accompany manuscript "Seasonal pla...	No Citation Found
6	https://doi.org/10.5683/SP3/Y6RFTJ	Replication Data for: Costs and benefits of ma...	Ecology, accepted for publication
7	https://doi.org/10.5683/SP3/2NVBVK	Dataset to accompany manuscript: "Investigatin...	Denommé, M., and Tattersall, G. J. 2025. Inves...
8	https://doi.org/10.5683/SP3/KHDJWU	Replication data for the study: "A novel appro...	No Citation Found
9	https://doi.org/10.5683/SP3/WKJREX	OpenURL Error Reports	No Citation Found
10	https://doi.org/10.5683/SP3/9AEAEV	Early visual EEG responses to face and house s...	Desjardins, J. A., & Segalowitz, S. J. (2013)....
11	https://doi.org/10.5683/SP3/M7DW9V	Maternal exposure to red rooibos does not alte...	No Citation Found
12	https://doi.org/10.5683/SP2/DLKNOD	DAD Abstracting Manual (for use with ICD-10-CA...	No Citation Found
13	https://doi.org/10.5683/SP3/REEPYJ	Lipopolysaccharide induced bone loss in rodent...	No Citation Found
14	https://doi.org/10.5683/SP3/FZJBQH	Data to accompany manuscript "Sub-zero tempera...	Danilo Giacometti, Patrick D. Moldowan, and Gl...
15	https://doi.org/10.5683/SP3/P5TPTE	PSE policies Canada (July 2024)	No Citation Found
16	https://doi.org/10.5683/SP3/B2MUV8	Replication Data for: Exploring associations b...	Michael J. Armstrong (2025) Exploring associat...
17	https://doi.org/10.5683/SP3/PHWSVM	"Put the fucking salary in the job ad!" Twitte...	Ribaric, T. (2022). "Put the fucking salary in...



OR as CSV! Heck, I don't Care!

✓
0s



```
1 #Run this cell to download as CSV
2 dataset_check_df.to_csv('dois_to_check.csv', index=False)
3
4
5 #Uncomment this block if running locally
6 from IPython.display import FileLink, display
7 FileLink('dois_to_check.csv')
8
9 #Uncomment this block if running in Colab
10 #from google.colab import files
11 #files.download('dois_to_check.csv')
```



[dois_to_check.csv](#)

What does this mean Tim?

- You can make a 'notebook' to do any sort of task with your Dataverse items

- Such as?

Glad you asked!

- Profiling the content of your DV for statistics or marketing purposes
- Metadata checking or something
- Practicing your Python too, I suppose!

Now what!

- Another Good question!
- Contact me with use cases you'd be interested in: tribaric@brocku.ca
- Check out what I have already: https://github.com/elibtronic/Borealis_Helper_Notebooks

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Total Exclamations: 13

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