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ctroupin

GHER

What about making our research (more) reproducible?

FOCUS Young Scientists Day


Pauli, Wolfgang 1900-1958
"NO ME IMPORTA QUE USTED PIENSE
DESPACIO, SINO QUE PUBLIQUE MÁS
RÁPIDO DE LO QUE PIENSA"

I don't mind your thinking slowly;
I mind your publishing
faster than you think

W. Pauli
(1900–1958)


1
Publish
your results
(but not in any journal)

Predatory Journals and Publishers

Predatory Journals and Publishers

Predatory open-access publishing
An exploitative open-access academic publishing business model that involves charging publication fees to authors without providing the editorial and publishing services associated with legitimate journals (open access or not).

Predatory Journals and Publishers

(1)

How to recognize them?

1. Journal name (very) similar to existing
2. Strange logos in everypage
3. Typos
4. (Too) short revision time
5. More typos
6. ...

How to recognize them?

Beall's list:
https://beallslist.weebly.com/

Bonus: when to submit a paper?

ELSEVIER

Physica A: Statistical Mechanics and its Applications

Volume 456, 15 August 2016, Pages 197-203

Day of the week effect in paper submission/acceptance/rejection to/in/by peer review journals

Marcel Ausloos [a, b, c] ✉, Olgica Nedic [d] ✉, Aleksandar Dekanski [e] ✉

⊞ Show more

https://doi.org/10.1016/j.physa.2016.03.032

Bonus: when to submit a paper?

"*...papers are more often submitted on Wednesday;*
however, the relative number of going to be accepted papers is larger if these are submitted on Tuesday.
On the other hand, weekend days (Saturday and Sunday) are not the best days to finalize and submit manuscripts."

Properly identify the authors


John Allen

Who is (my) John Allen?

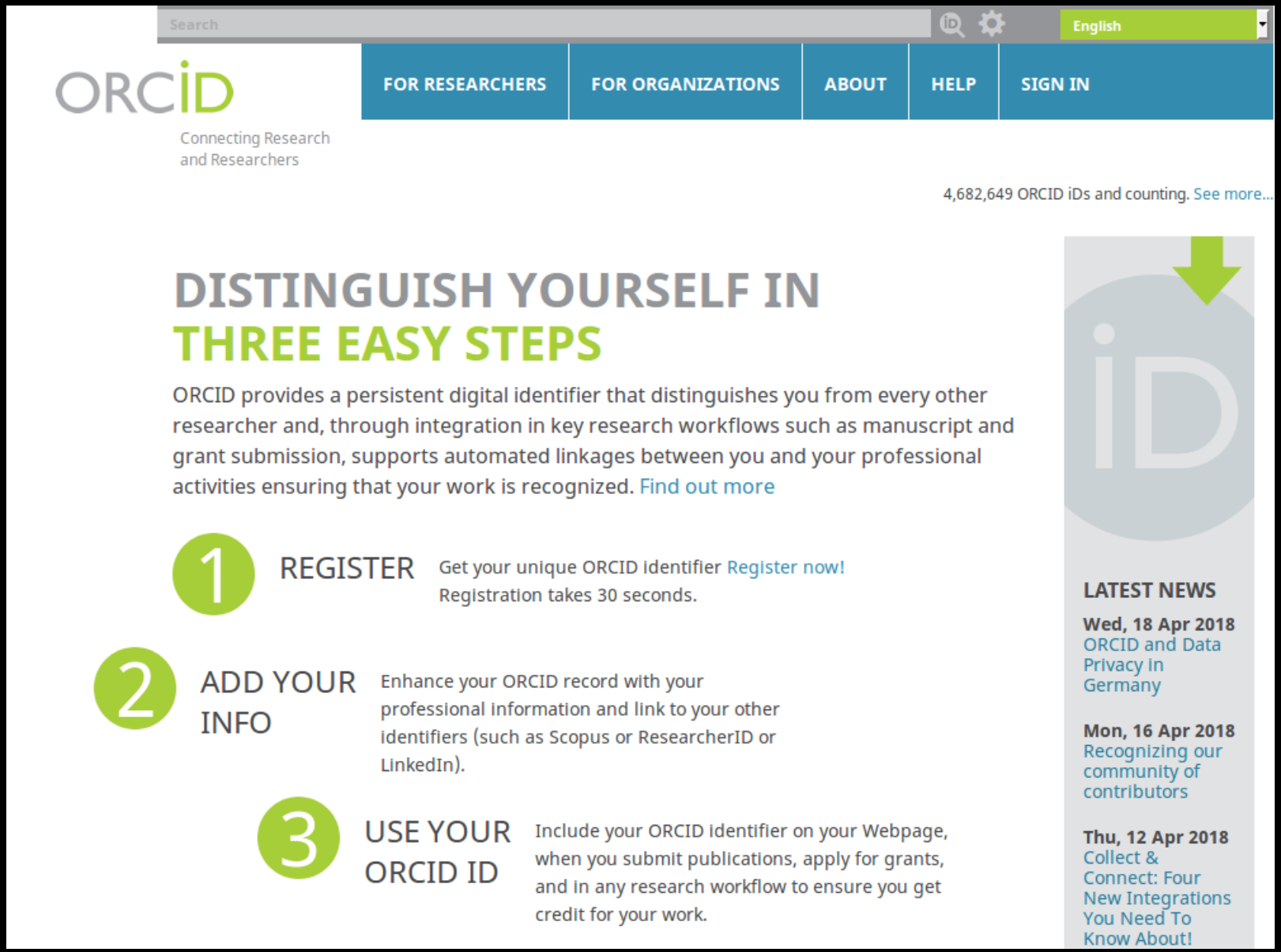
- ✗ *John Terrence Allen* is an Australian atmospheric scientist and leading contributor on severe thunderstorm and tornado environments
- ✗ *John Polk Allen* is a systems ecologist, engineer, metallurgist, adventurer, and writer
- ✗ *John Robert Lawrence Allen* is a British geologist, and professor emeritus at Reading University.
- ✓ *John Allen* is a Senior Research Scientist and part-time Senior Lecturer in the School of Earth and Environmental Sciences at the University of Portsmouth.
- ✗ *John Stuart Allen* was an American astronomer, university professor and university president.
- ✓ *John S. Allen* is a Professor Emeritus in Physics of Oceans and Atmospheres.

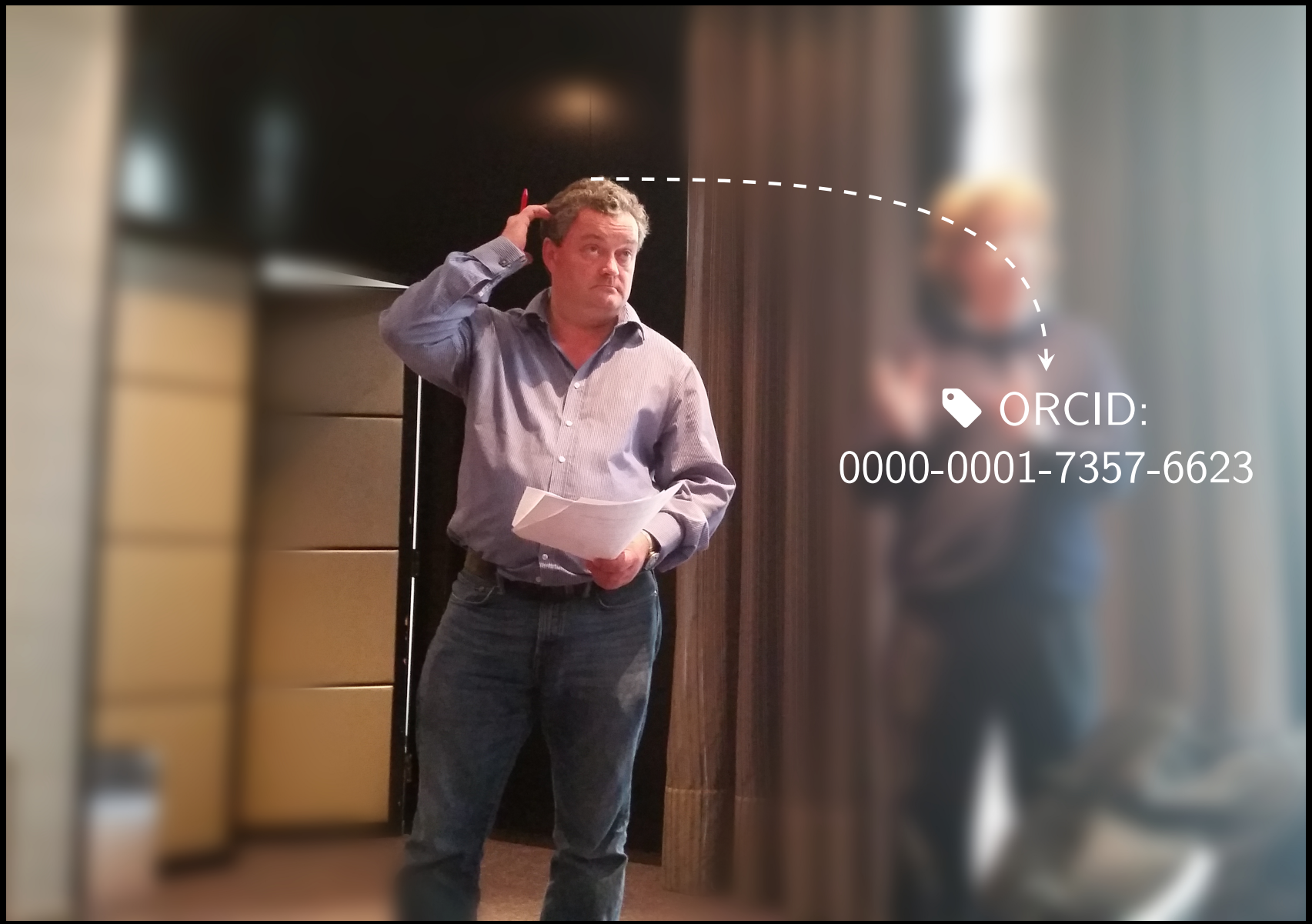
Solution: academic "social" media

Source: Academicons

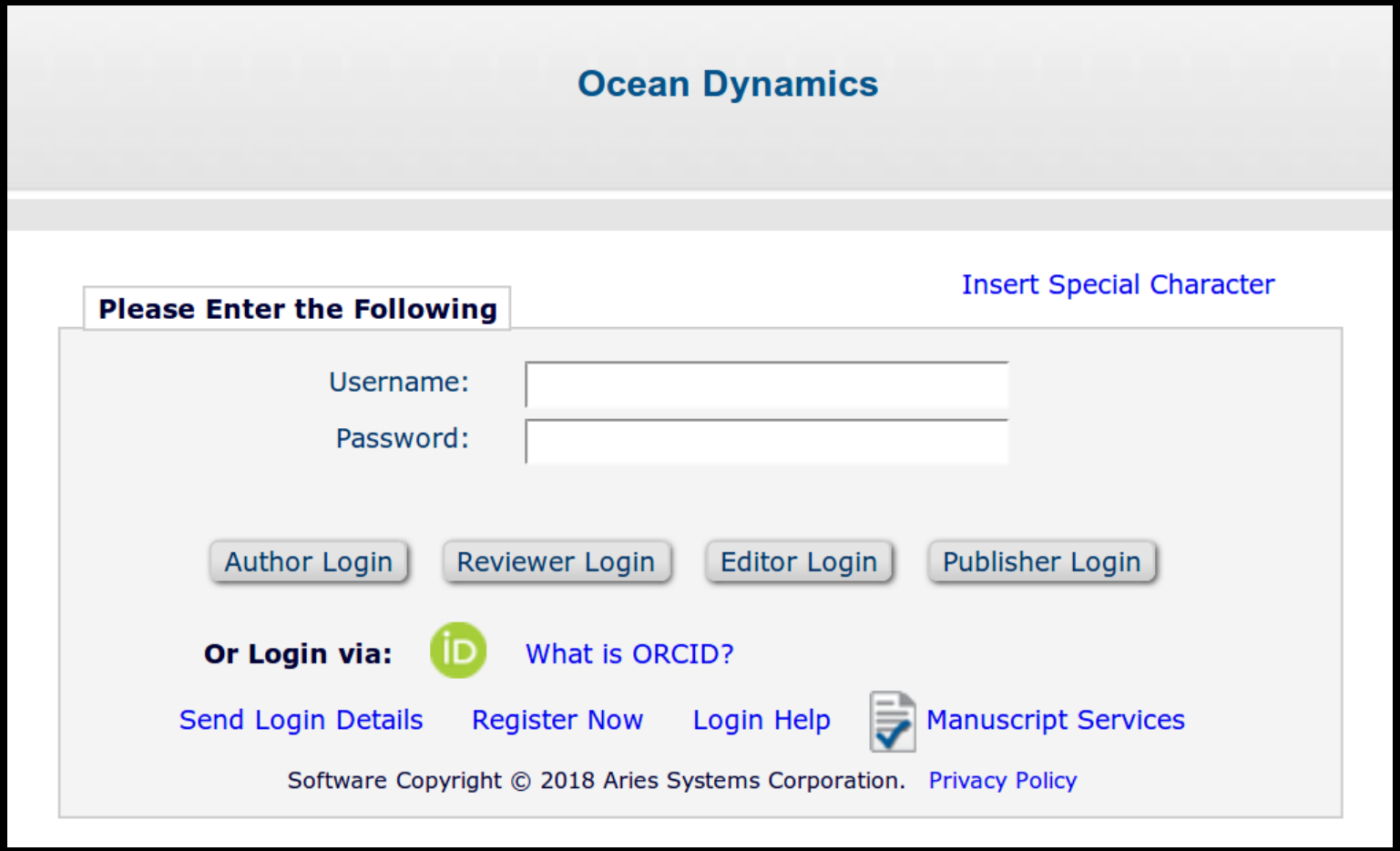
A reasonable choice: ORCID

https://orcid.org/ Open Researcher and Contributor ID




ORCID:
0000-0001-7357-6623

Bonus: use your ORCID for logins



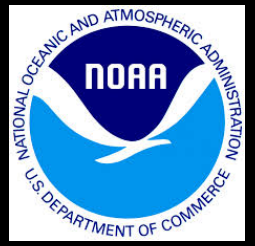
3

Make the data available

(but not in any format)

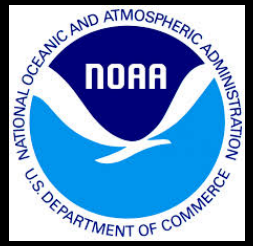

MADE IN
NCAR # 405
[redacted]
STORM SURGE
SIMULATION
AGF/FG TO
KODAK CO.
EASTMAN

Solution 1: use the national and international data portals



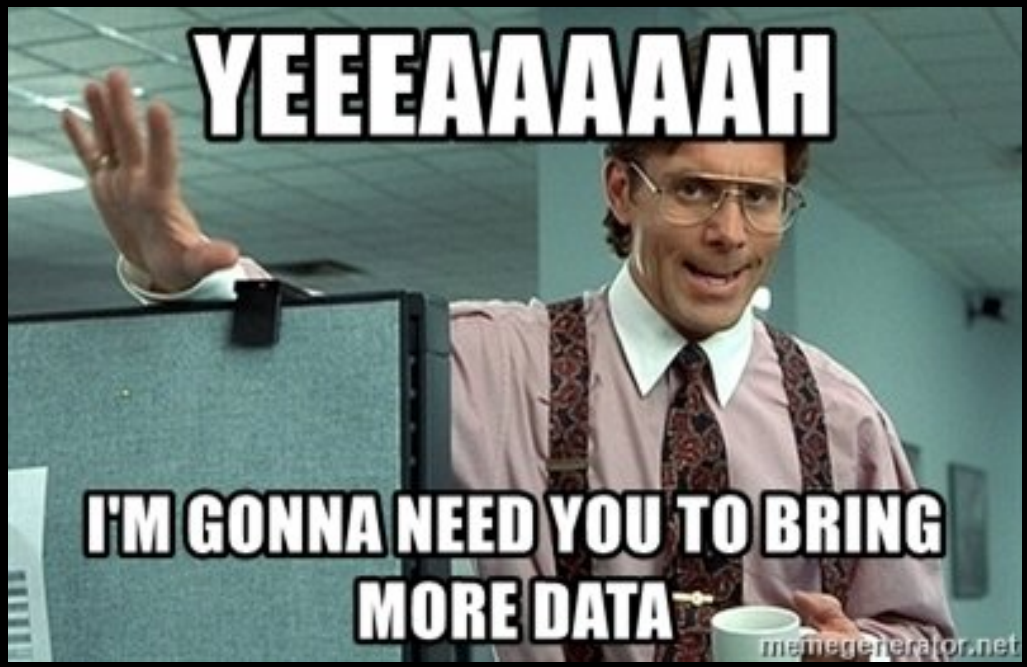
https://www.seadatanet.org/
http://www.emodnet.eu/
http://marine.copernicus.eu/
https://www.nodc.noaa.gov/OC5/WOD/pr_wod.html

Solution 1: use the national and international data portals



”Collect once, use many times”

Solution 1: use the national and international data portals



Solution 2: upload the data on data sharing platforms

https://zenodo.org/

April 24, 2018 (v1) | Dataset | Open Access

View

Airgun-ocean bottom seismometer survey dataset

Azuma, Ryosuke; Hino, Ryota; Ohta, Yusaku; Ito, Yoshihiro; Mochizuki, Kimihiro; Uehara, Kenji; Murai, Yoshio; Sato, Toshinori; Takanami, Tetsuo; Shinohara, Masanao; Kanazawa, Toshihiko

These data are the seismic waveform recordsections and the P-wave velocity model obtained by Azuma et al. (JGR, 2018), collected through an airgun-ocean bottom seismometer (OBS) survey. The recordsections of 29 OBS are 'RAW data' with no waveform procedure and are formatted in SEG-Y. Length of...

Uploaded on April 24, 2018

April 16, 2018 (vv1.5.2) | Software | Open Access

View

microPIECE (microRNA pipeline enhanced by CLIP experiments)

Amsel, Daniel; Billion, André; Vilcinskas, Andreas; Förster, Frank

The microPIECE (microRNA pipeline enhanced by CLIP experiments) takes the AGO-CLIP data from a speciesA and transfers it to a speciesB. Given a set of miRNAs from speciesB it then predicts their targets on the transfered CLIP regions. The archive of the repository was generated using the...

Uploaded on April 16, 2018

4 more version(s) exist for this record

April 15, 2018 (vv1.1.0rc1) | Software | Open Access

View

scipy/scipy: Scipy 1.1.0rc1

Pauli Virtanen; Ralf Gommers; Evgeni Burovski; Travis E. Oliphant; David Cournapeau; Warren Weckesser; alexbrc; Pearu Peterson; endolith; Stefan van der Walt; Nikolay Mayorov; Josh Wilson; Denis Laxalde; Matthew Brett; Jarrod Millman; Lars; eric-jones; Andrew Nelson; Robert Kern; Eric Moore; Tim Leslie; Josef Perktold; CJ Carey; Yu Feng; Jake Vanderplas; Matt Haberland; cowlicks; Eric Larson; Ilhan Polat; Tyler Reddy

Share the code or program

4

even if it's not perfect
(yet)

Solution: repository management services


https://github.com/

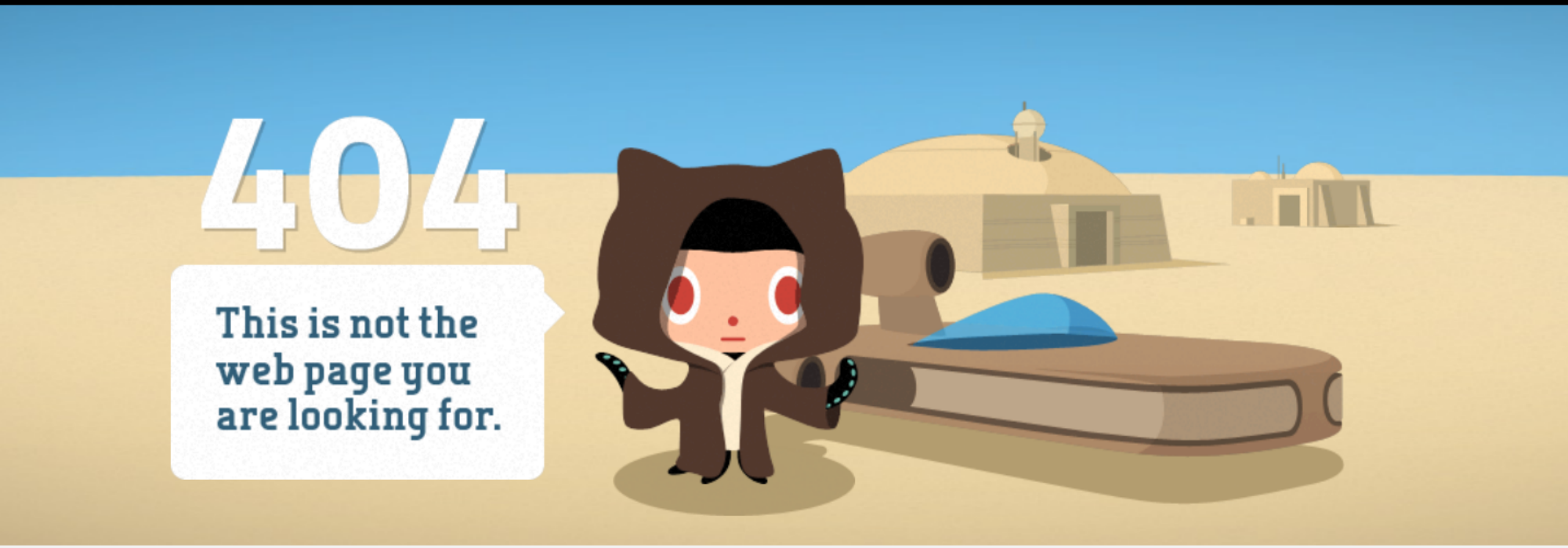

https://gitlab.com/


https://bitbucket.org/


https://sourceforge.net/


https://coding.net/

Solution: repository management services



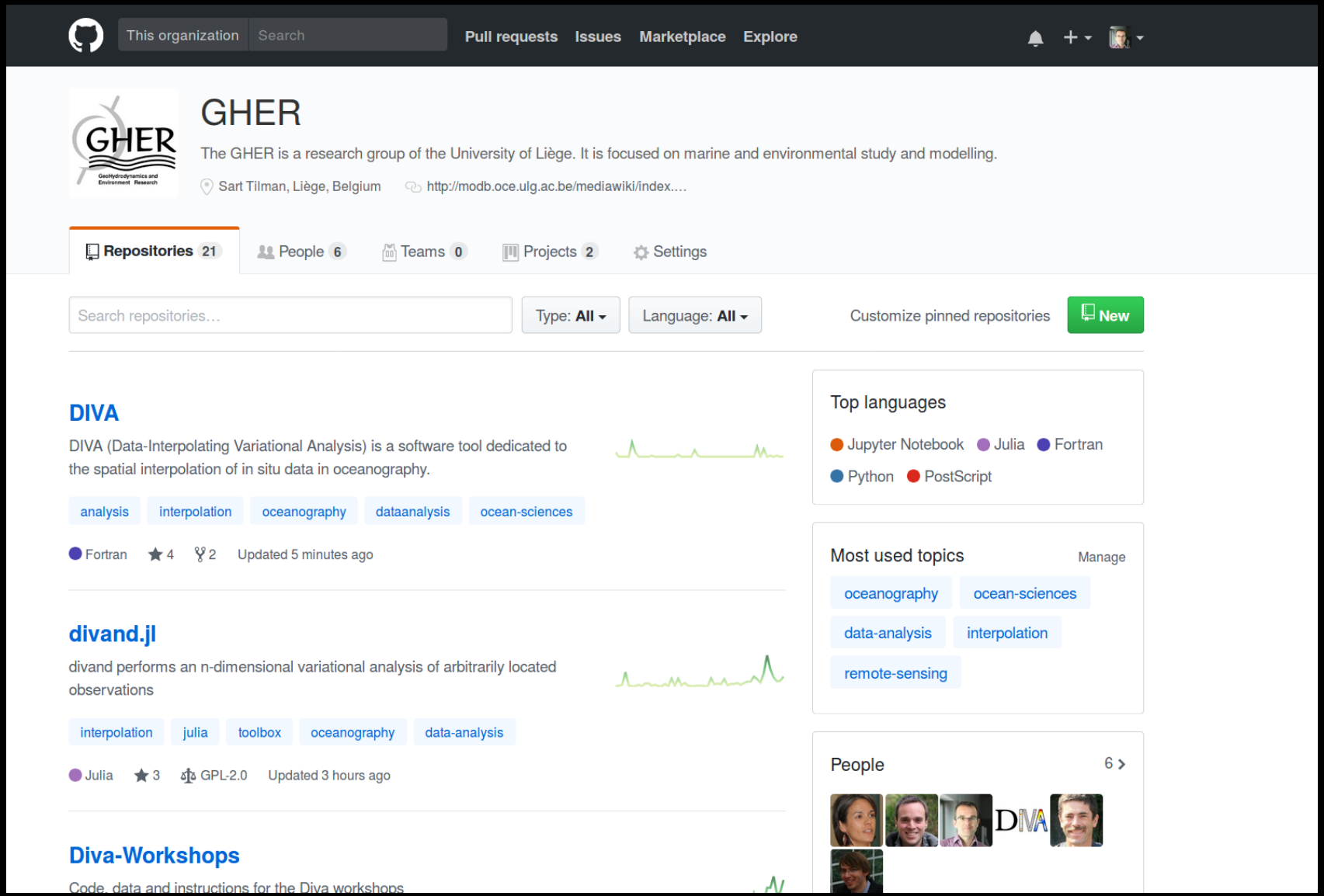
Find code, projects, and people on GitHub:

Search

Contact Support — GitHub Status — @githubstatus

Solution: repository management services

https://github.com/gher-ulg



Solution: repository management services

Colateral benefits

1. Collaborative work
2. No email exchanges
3. Easy bug report
4. Increased visibility
5. Backup 


5
Publish the
code releases

Solution: use the Zenodo platform

Solution: use the Zenodo platform

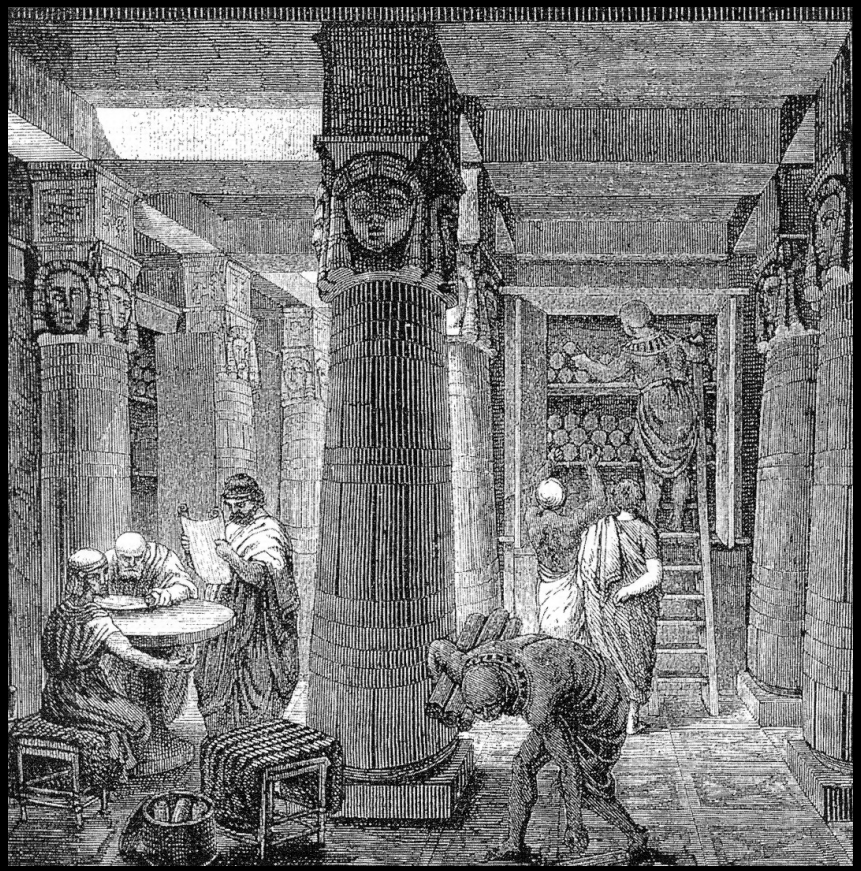
– http://zenodo.org/

A platform to upload papers, datasets, software codes...
and to get permanent identifiers

Solution: use the Zenodo platform

After *Zenodotus*

1st superintendent of the Library of Alexandria and 1st critical editor of Homer



By O. Von Corven - Tolzmann, Don Heinrich, Alfred Hessel and Reuben Peiss. The Memory of Mankind. New Castle, DE: Oak Knoll Press, 2001, Public Domain, https://commons.wikimedia.org/w/index.php?curid=2307486

April 24, 2018 (v1) | Dataset | Open Access

View

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scipy/scipy: Scipy 1.1.0rc1

Pauli Virtanen; Ralf Gommers; Evgeni Burovski; Travis E. Oliphant; David Cournapeau; Warren Weckesser; alexbrc; Pearu Peterson; endolith; Stefan van der Walt; Nikolay Mayorov; Josh Wilson; Denis Laxalde; Matthew Brett; Jarrod Millman; Lars; eric-jones; Andrew Nelson; Robert Kern; Eric Moore; Tim Leslie; Josef Perktold; CJ Carey; Yu Feng; Jake Vanderplas; Matt Haberland; cowlicks; Eric Larson; Ilhan Polat; Tyler Reddy

July 31, 2017

Software Open Access

gher-ulg/DIVA: v4.7.1

Sylvain Watelet; Charles Troupin; Jean-Marie Beckers; Alexander Barth; Mohamed Ouberdous

New features

- Major feature : bottom analysis is now possible. The distance is counted from the bottom ocean, derived from the interpolation of the topography topo_fine.grd. This topography can be different (and finer) than topo.grd used for the creation of contours.
- Major feature : conversion of EMODnet bathymetry to Diva-readable format with the tool emobath2ghertopo.
- Major feature : Variable correlation length depending on the gradient of the depth. Advection field adapted to this relative length field. Suited for bottom analyses. Updated programs : diva3Ddat, divarlvargraddepth, rlvargraddepth.f90, divadoall, divaUVtopo, UVtopogen.f, divadocommit.
  - Acknowledgements field in 3D and 4D netCDFs.
  - New compilation option DIVAHUGEMEMORY. Enabled by default in divacompile_options, it allows the use of a finer mesh, and/or a larger domain. Particularly useful with variables characterized by low correlation lengths.

Bug fixes

- divacutNCDF : correction on climatology bounds + dealing with very big obsid vector
- divacompile_options : new tests on nc-config, due to recent change in its behaviour
- dv3Dreadnc.F : warning if dimensions are incoherent between GridInfo.dat and the netcdf file
- divadoall, divadoNCDF , divadoNCYR : corrected handling of 3DNCinfo and 3DNClist files so that recreating a new 4D NC file is much easier
- divadoxml : removed because deprecated (use divadoxml-gui instead)

Other

Update of the user guide

Preview

DIVA_v4.7.1.zip

Edit

New version

Available in GitHub

Publication date:
July 31, 2017

DOI:
DOI 10.5281/zenodo.836727

Keyword(s):
Data-interpolation | Ocean Sciences | Oceanography | Variational method | SeaDataNet | EMODnet

Related identifiers:
Supplement to:
https://github.com/gher-ulg/DIVA/tree/v4.7.1

License (for files):
Other (Open)

- divaTSdress 2.8 kB
- divaUVtopo 2.8 kB

Files (2.6 MB)

Name	Size	
gher-ulg/DIVA-v4.7.1.zip	2.6 MB	Preview Download

md5:cf9c3a19d2744a95f7bfa4a311b7729f

Cite all versions? You can cite all versions by using the DOI 10.5281/zenodo.592476. This DOI represents all versions, and will always resolve to the latest one. Read more.

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Cite as

Sylvain Watelet, Charles Troupin, Jean-Marie Beckers, Alexander Barth, & Mohamed Ouberdous. (2017, July 31). gher-ulg/DIVA: v4.7.1 (Version v4.7.1). Zenodo. http://doi.org/10.5281/zenodo.836727

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Summary

1. Publish your results
2. Properly identify the authors
3. Make the data available
4. Share the code or program
5. Publish the code releases


NO, NO, IF YOU MAKE THE PAPER TOO EASY TO READ, EVERYONE WILL KNOW HOW YOU GOT THE RESULTS!