

Algo Sharing

GitHub for algorithms

Cloud platform for sharing and running algorithms

Simon Adar

CEO

Tell you something about your customers

They don't want
to read long,
unclear PDFs
anymore!



They say..

Twit it!

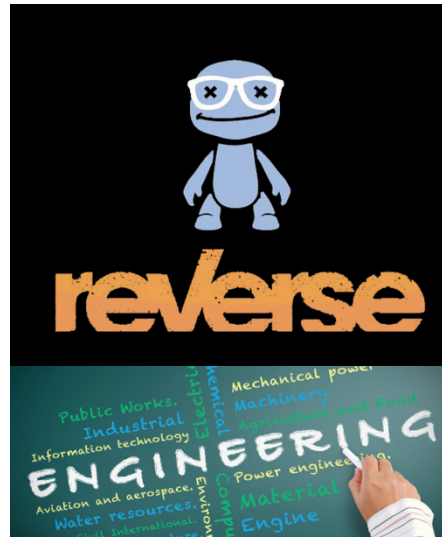


and just let me play with it!

**50
MILLION**
Scientists
& Engineers

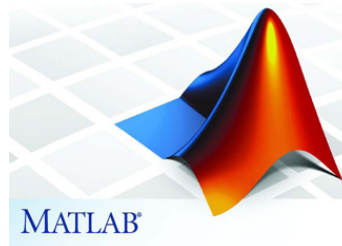
are lost...

About 2,040,000 results (0.04 sec)



again

Different operating systems and programming languages



Avoid installation errors



Interact and play with the algorithm



Use the power of cloud



Satoshi Kambayashi

AlgoSharing

PRODUCT CHARACTERISTICS & UNIQUE TECHNOLOGY



**CLOUD BASED
PLATFORM**



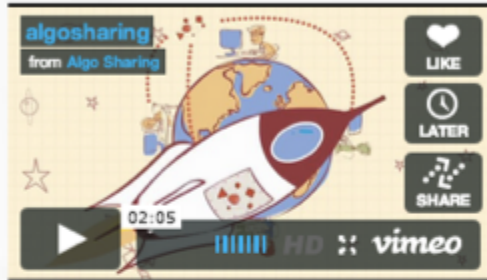
**WEB INTERACTIVE
INTERFACE**



**SCALABLE
COMPUTING POWER**



**CPU AND MEMORY
USAGE PREDICTION
SMART RESOURCE
ALLOCATION**



Algorithms Done Differently

Share & Run algorithms in the cloud.

AlgoSharing is an easy-to-use scalable platform that enables a new way to interact with algorithms, and focus on development instead of troubleshooting. Run algorithms in Matlab, Python, R and Octave in the cloud. Share and find algorithms that suit your needs in our online marketplace.

Discover

With AlgoSharing, you can access the best, up-to-date algorithms and speed up your scientific or industrial research.

Execute

Implement and evaluate algorithms on the spot, in an easy to use cloud environment. No need for dedicated hardware or software.

Share

Present your algorithms to other scientists and researchers. They, too, can execute and use your algorithm instantly, forging efficient and exciting collaborations.

[Get Started For Free](#)

- Run Algorithms
- Monitor
- IO Data Files
- Create New Algo
- Edit Algorithms
- Market
- Feedback
- Dashboard

Run Algorithms

Create and run flows in the cloud

Home > Run Algorithms

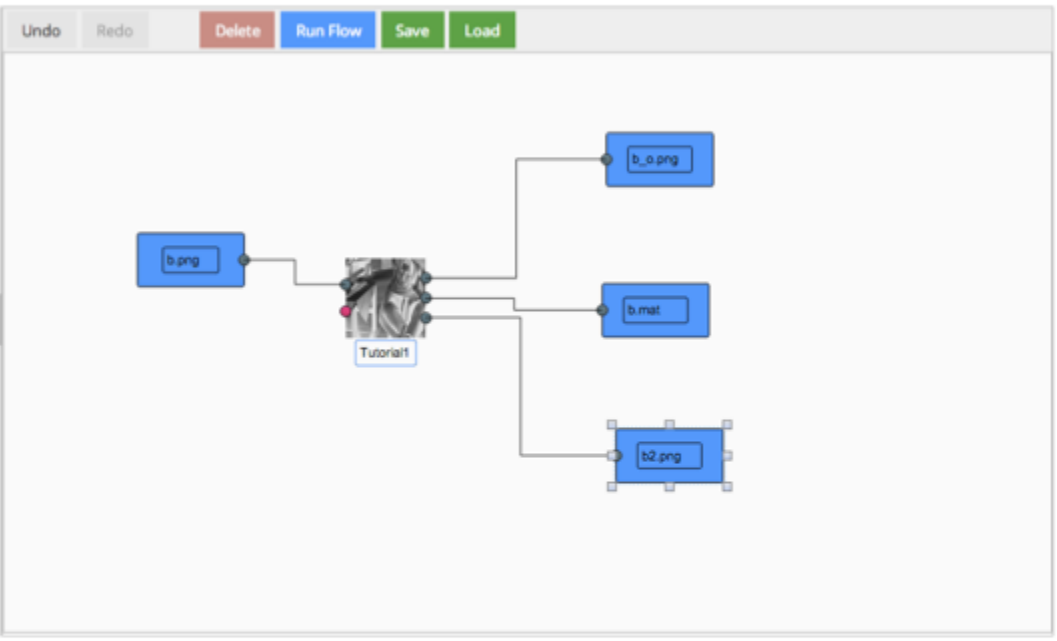
Create New Algo

Search

I/O

Market Algos

- Generate LMW data
- Matlab Example 2
- Matlab Example 1
- Image Cropper
- Octave Example 1



Run Algorithms

Monitor

I/O Data Files

Create New Algo

Edit Algorithms

Market

Feedback

Dashboard

I/O Data Files

Explore Your Data







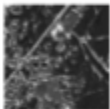




Home > I/O Data Files

Create New Algo

Folders

- Simon
 - Amadio
 - Denoising
 - ErrorExample
 - InPainting
 - Mac
 - Negative
 - Panorama
 - q-OC SVM
 - Temp
 - Public Files
 - Sample Data
 - Basket

Upload Refresh Settings Maximize Help Search

 AHS.beq 12/19/2013 2:35 PM 6.08 MB	 AHS.hdr 12/19/2013 2:34 PM 1 KB	 AHS.png 12/10/2013 4:27 PM 200 KB	 s.png 12/11/2013 0:05 PM 181 KB	 DCD.beq 12/19/2013 2:34 PM 39 KB	 DCD.hdr 12/19/2013 2:35 PM 1 KB	 DCD.png 12/10/2013 7:02 PM 19 KB	 HyMap.beq 12/19/2013 2:34 PM 12.12 MB
 HyMap.hdr 12/19/2013 2:34 PM 1 KB	 HyMap.png 12/11/2013 11:36 221 KB	 ParamFile.mat 12/19/2013 2:34 PM 1 KB					

Edit Main_Wrapper_Matlab_Image_Negative_Func1.m

```
1 function Main_Wrapper_Matlab_Image_Negative_Func1( FileIn1, Param1, FileOut1, FileOut2, FileOut3)
2 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
3 % File name: Main_Wrapper_Matlab_Image_Negative_Func1
4 % Autor: Simon Adar
5 % Date: 29/11/2013
6 % AlgoSharing Ltd.
7 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
8
9 % Parameters in AlgoSharing platform are always strings!
10 % Numerical parameters must be converted to numerical values
11 if(ischar(Param1))
12     Param1 = str2num(Param1);
13 end
14
15 % Call the main algorithm function
16 [H, x, IxIq] = Main_Matlab_Image_Negative_Func1(FileIn1, Param1);
17
18 % Save the output of the algorithm to output files
19 imwrite(uint8(IxIq), FileOut1, 'png');
20 save(FileOut2, 'H', 'x', 'Param1');
21
22 % Plot the histogram of the input image and save the figure
23 figure('visible', 'off')
24 bar(x, 10)
25 title(['Image histogram']);
26 print(gcf, FileOut3, '-dpg');
27
28 end
29
30
```

Close

Save changes

Download Delete Edit Main_Wrapper_Matlab_Image_Negative_Func1.m

Download Delete Edit Main_Matlab_Image_Negative_Func1.m

Download Delete Edit Image_Negative_Func2.m

Publishers evolve from print to web companies



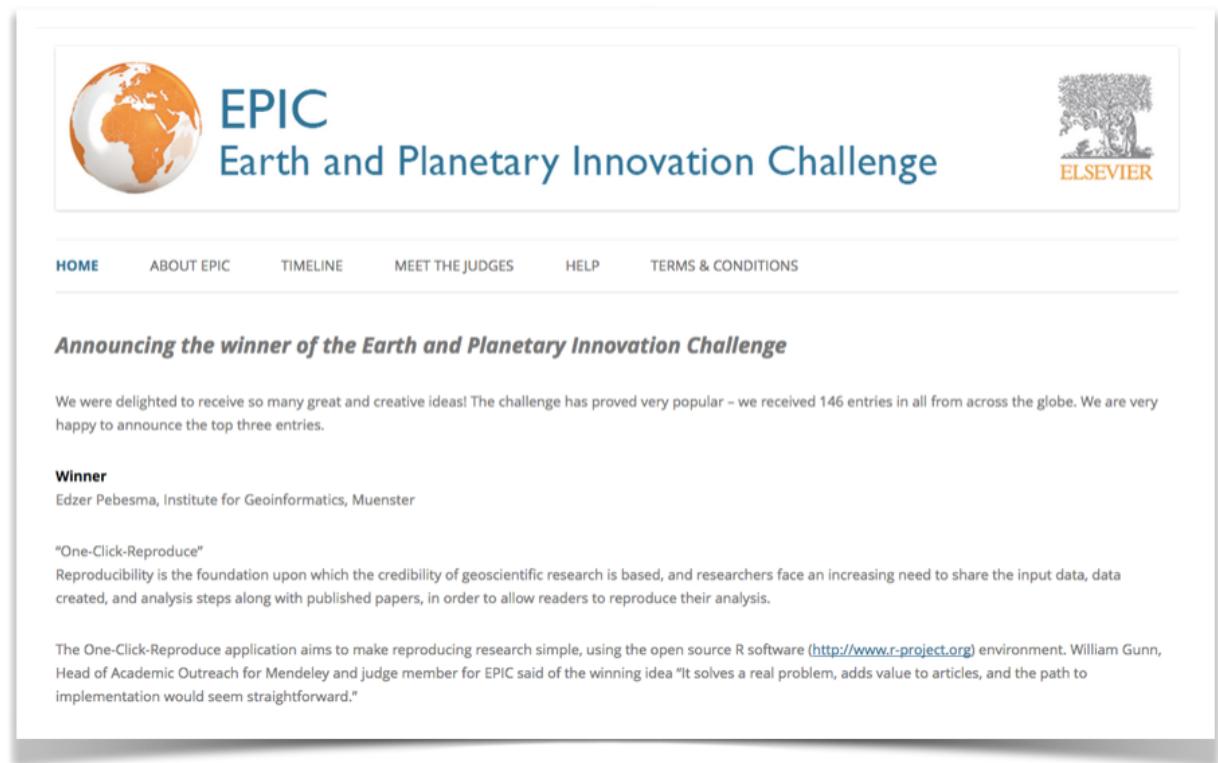
OECD 2012 annual report says:

“... Open science requires adequate information and communication technology (ICT) infrastructure”



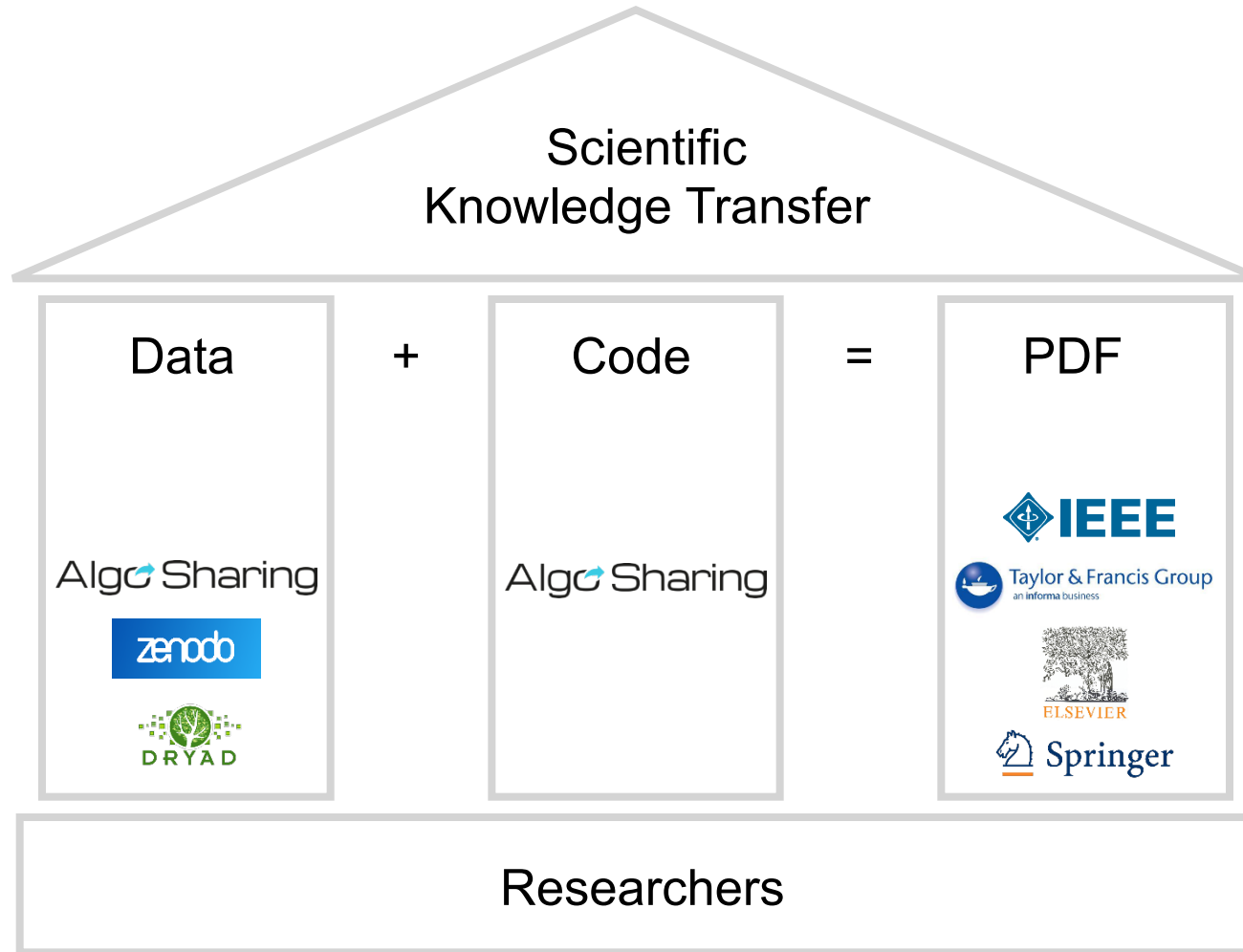
Elsevier innovation challenge

Winner: “One-Click-Reproduce”



The screenshot shows the EPIC (Earth and Planetary Innovation Challenge) website. At the top left is a globe icon, followed by the text "EPIC Earth and Planetary Innovation Challenge". To the right is the Elsevier logo. Below the header is a navigation menu with links: HOME, ABOUT EPIC, TIMELINE, MEET THE JUDGES, HELP, and TERMS & CONDITIONS. The main content area features the heading "Announcing the winner of the Earth and Planetary Innovation Challenge". The text below reads: "We were delighted to receive so many great and creative ideas! The challenge has proved very popular – we received 146 entries in all from across the globe. We are very happy to announce the top three entries." The winner is listed as "Edzer Pebesma, Institute for Geoinformatics, Muenster". The winning idea is "One-Click-Reproduce", described as an application that makes reproducing research simple using open source R software. A quote from William Gunn, Head of Academic Outreach for Mendeley and a judge member for EPIC, is included: "It solves a real problem, adds value to articles, and the path to implementation would seem straightforward."

Scientific knowledge transfer



Everybody is talking about
Beyond the PDF
and
article of the future

We are one step there..
and we want to work with you to get
even further



We're living in a world designed for and increasingly controlled by – algorithms

Time's Up!

About your speaker:

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Email: simon@algosharing.com

