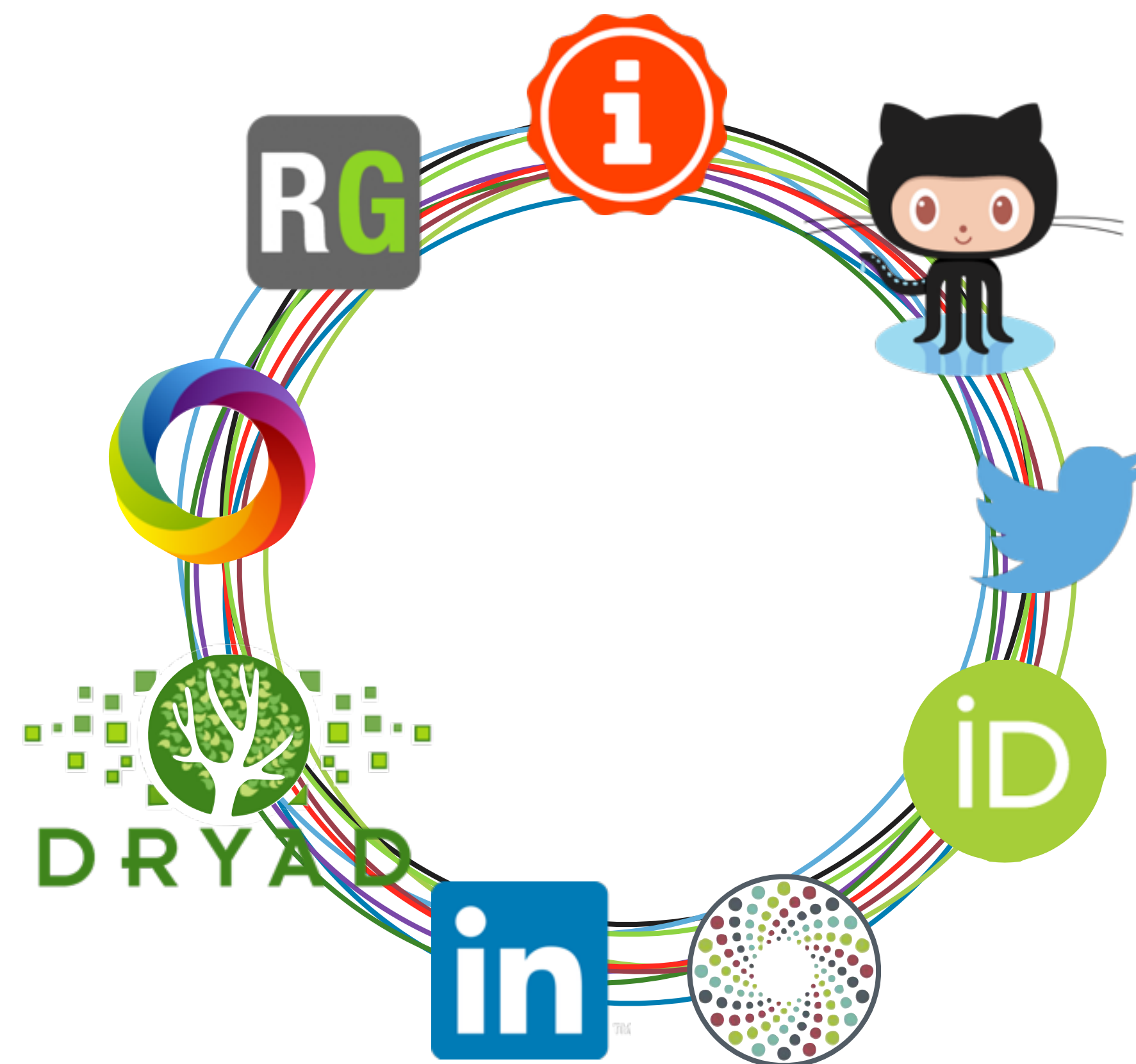
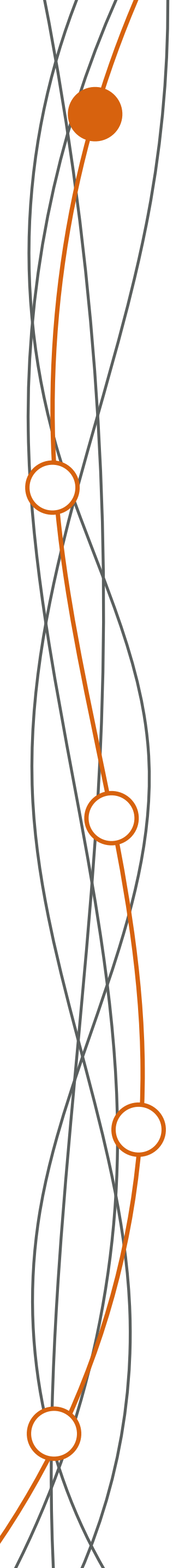




SCIENTIFIC VALORISATION

Guillaume Lobet
guillaume.lobet@ulg.ac.be
@guillaumelobet





QUANTIFYING SCIENTIFIC PRODUCTION

PRODUCTIVITY METRICS

WHY?

EVALUATIONS, GRANTS AND NEW POSITION

**JOURNAL
LEVEL**



IMPACT FACTOR

**SCIENTIST
LEVEL**



PAPERS
CITATIONS
H-INDEX

**PAPER
LEVEL**

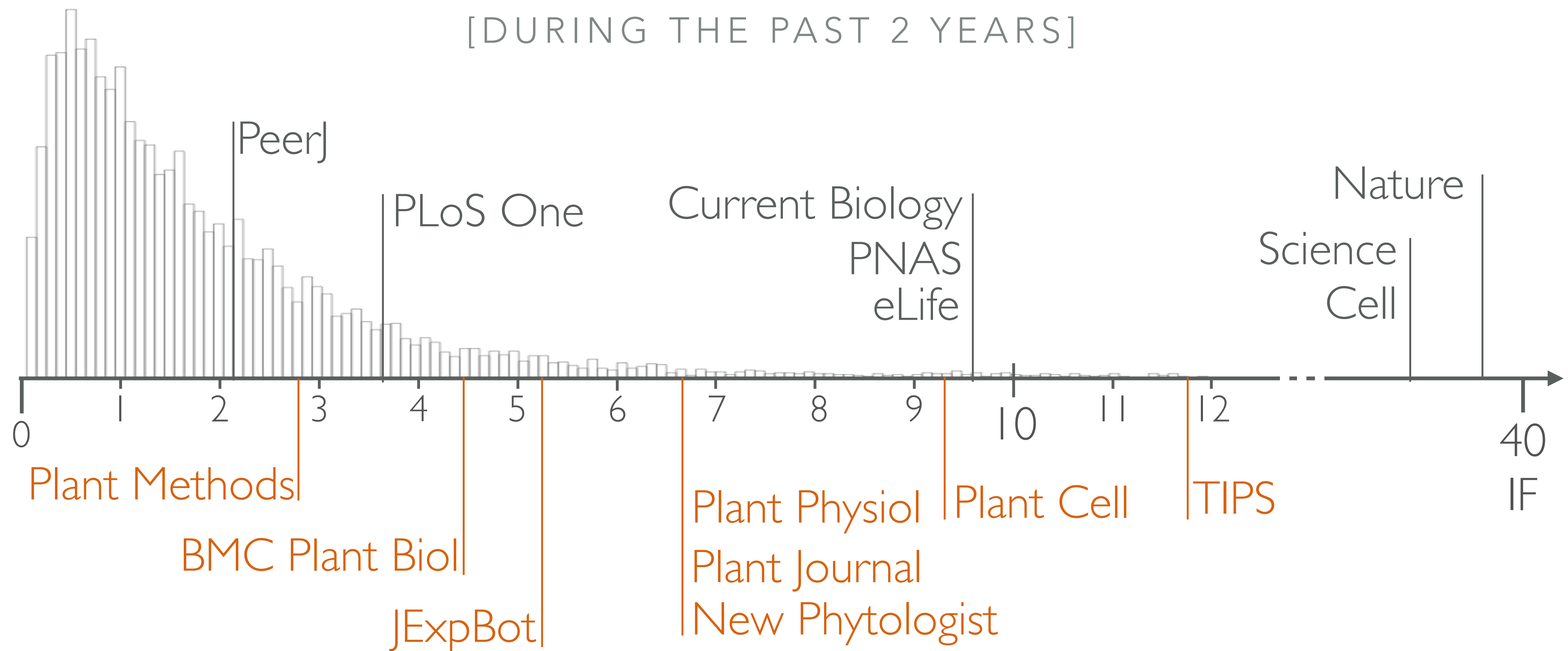


CITATIONS
ALTMETRICS

IMPACT FACTOR

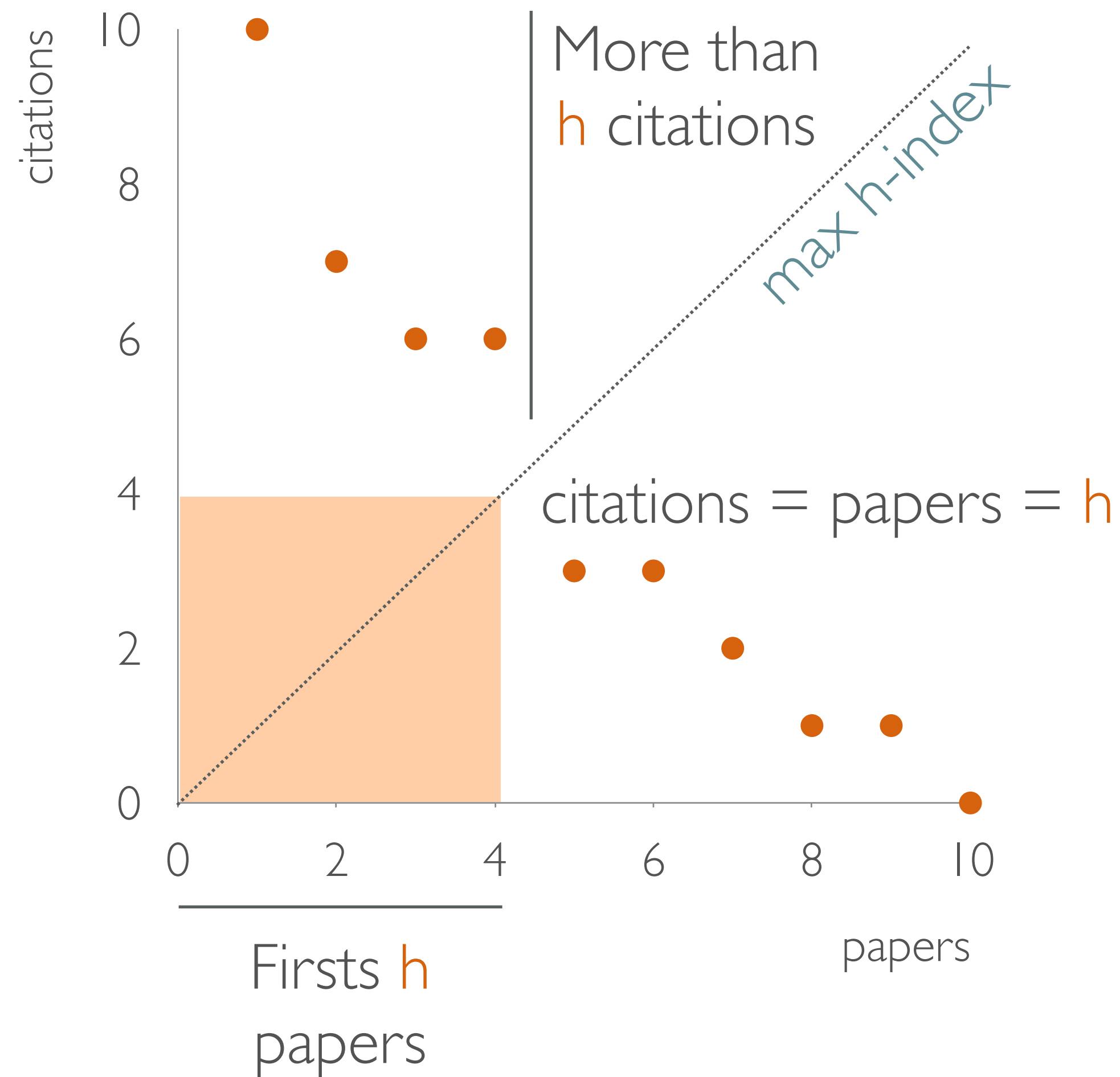
$$\text{IF} = \# \text{ CITATIONS} / \# \text{ PAPERS}$$

[DURING THE PAST 2 YEARS]



Source: ISI Journal Citation Report

H - INDEX



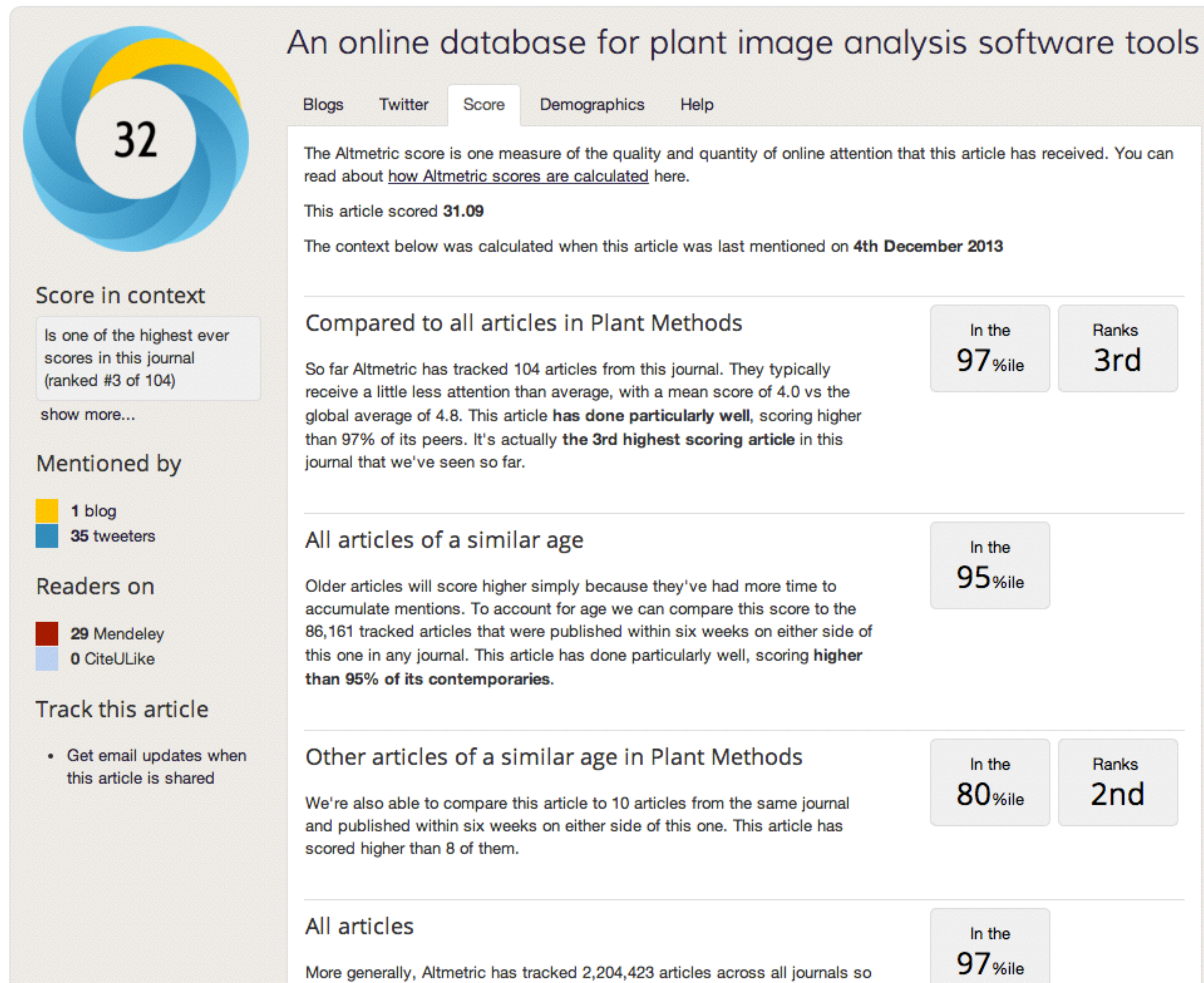
A scientist has index h if h of his/her n papers have at least h citations each, and the other $(n - h)$ papers have no more than h citations each.



www.altmetric.com

ALTMETRICS

“*Article level metrics made easy.*”



Based on references in:

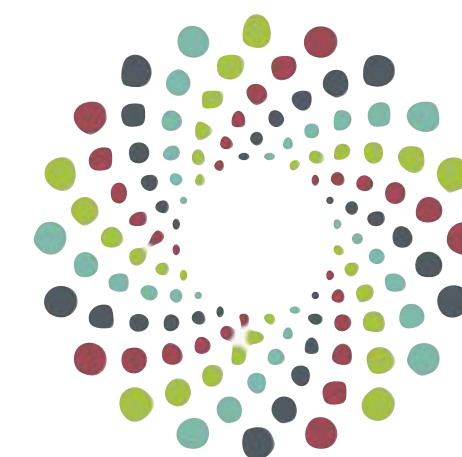
- Scientific blogs
- Twitter
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- Google +
- Mendeley
- ...

Used by

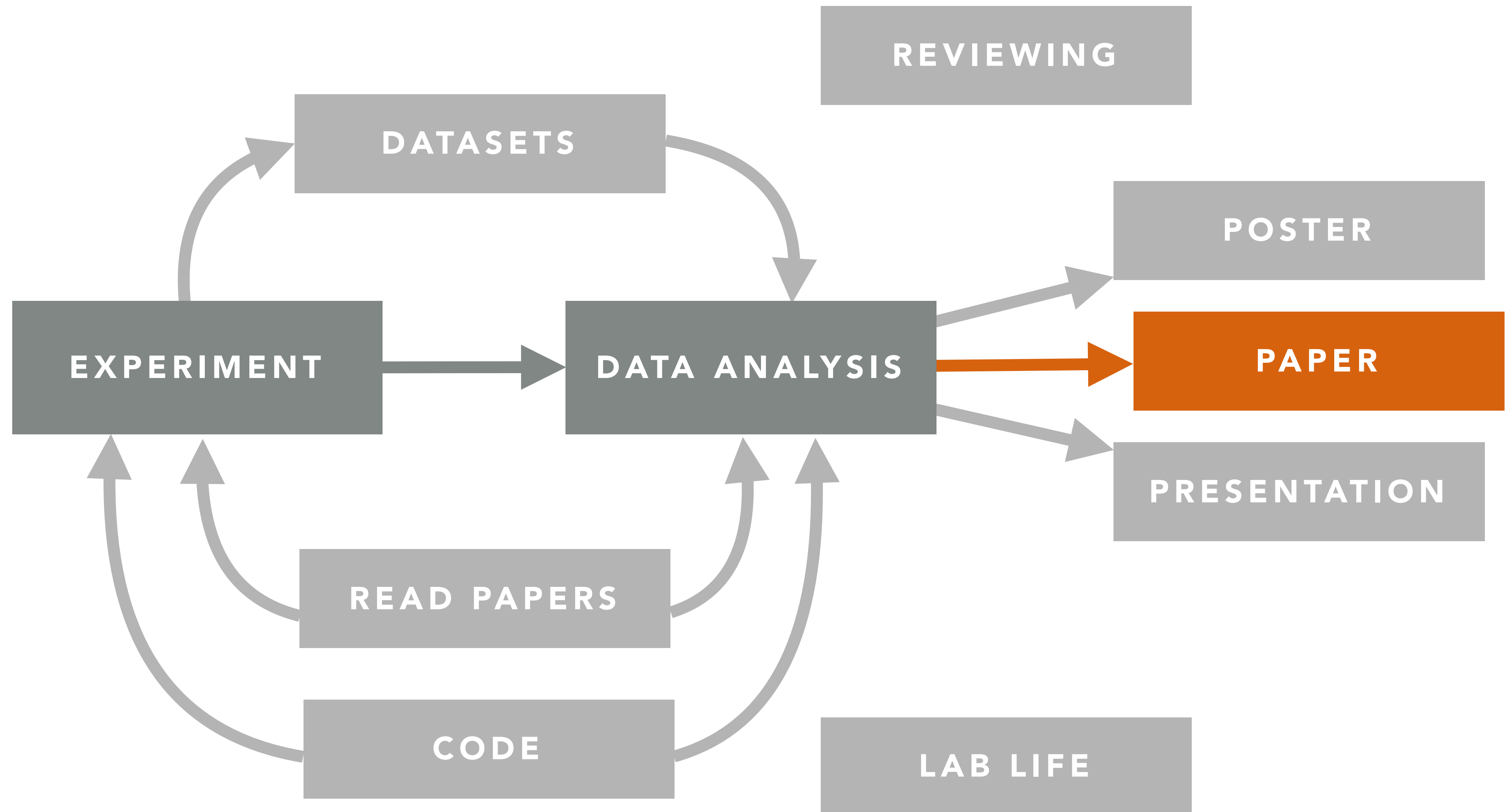
- NPG
- BioMed Central
- Springer
-



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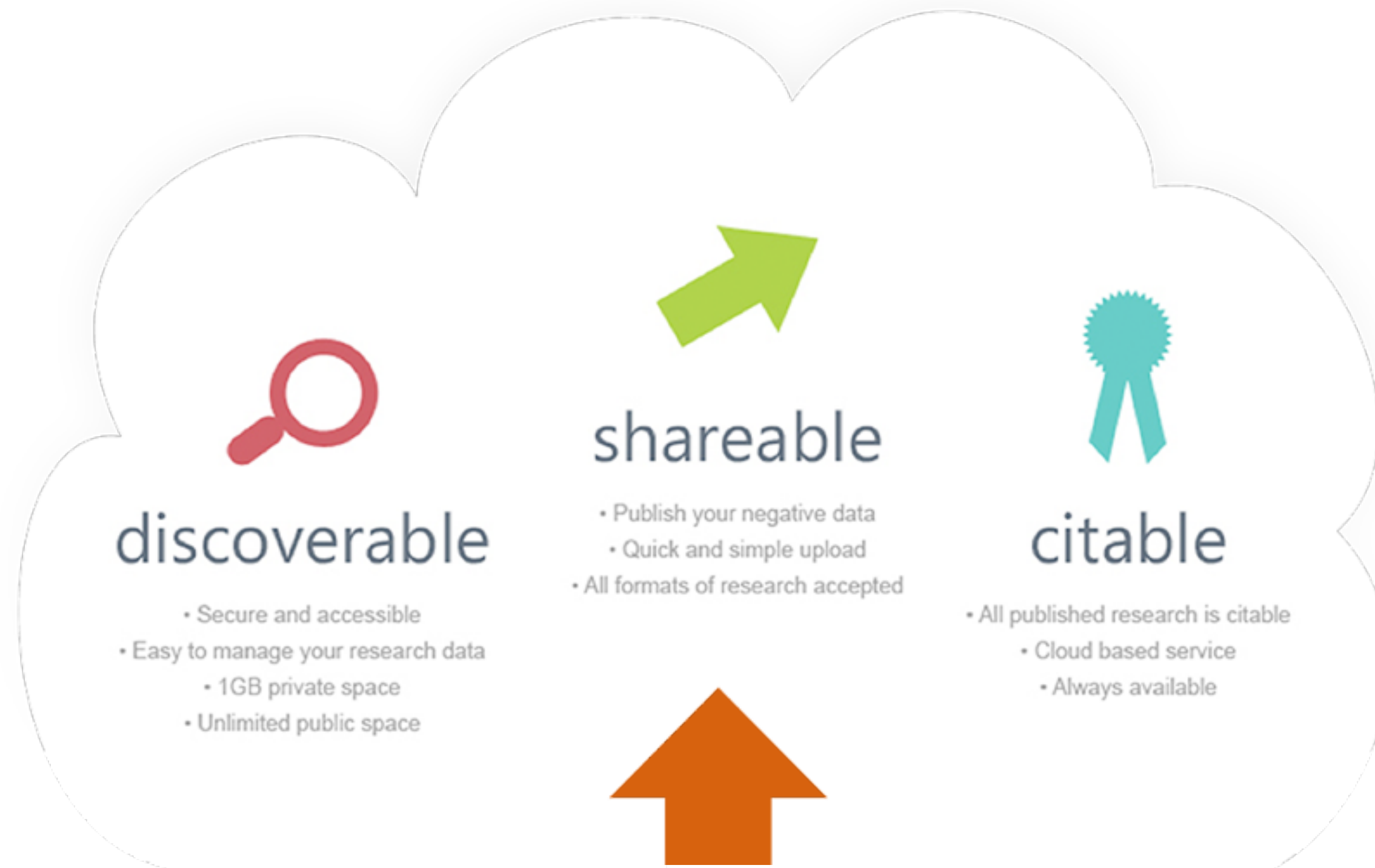


SCIENCE PIPELINE



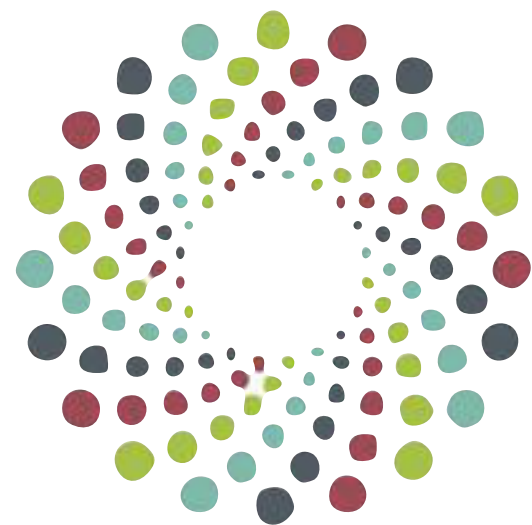
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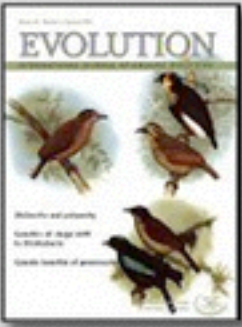
www.mendeley.com

A screenshot of the Mendeley Groups page. The top navigation bar includes 'Dashboard', 'My Library', 'Papers', 'Groups', and 'People'. A search bar on the right says 'Groups Search...'. The main heading is 'Groups' with a subtext 'In this catalog: 106,690 public groups' and a green 'Create a new group' button. Below this is a search bar for groups with the example 'eg: Social networks'. The page is divided into two columns. The left column, 'My groups', lists groups the user owns or can administer: 'Lateral roots' (36 papers, 2 members), 'Maize flowering' (19 papers, 2 members), 'Plant Flowering' (8 papers, 4 members), 'Plant image analysis' (211 papers, 31 members), and 'Root system analysis' (10 papers, 2 members). Each group entry includes a thumbnail, the group name, a brief description, tags, and a link to group settings. The right column, 'Browse disciplines', lists various academic fields such as Arts and Literature, Astronomy, Biological Sciences, Business Administration, Chemistry, Computer and Information Science, Design, Earth Sciences, Economics, Education, Electrical and Electronic Engineering, Engineering, Environmental Sciences, Humanities, Law, Linguistics, Management Science, Materials Science, Mathematics, Medicine, Philosophy, Physics, Psychology, Social Sciences, and Sports and Recreation.



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discoverable, freely reusable, and citable”*

Data from: Male-female coevolution in the wild: evidence from a time series in *Artemia franciscana*



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Additionally, please cite the Dryad data package:

Rode NO, Charmantier A, Lenormand T (2011) Data from: Male-female coevolution in the wild: evidence from a time series in *Artemia franciscana*. Dryad Digital Repository. [doi:10.5061/dryad.56k55](https://doi.org/10.5061/dryad.56k55)

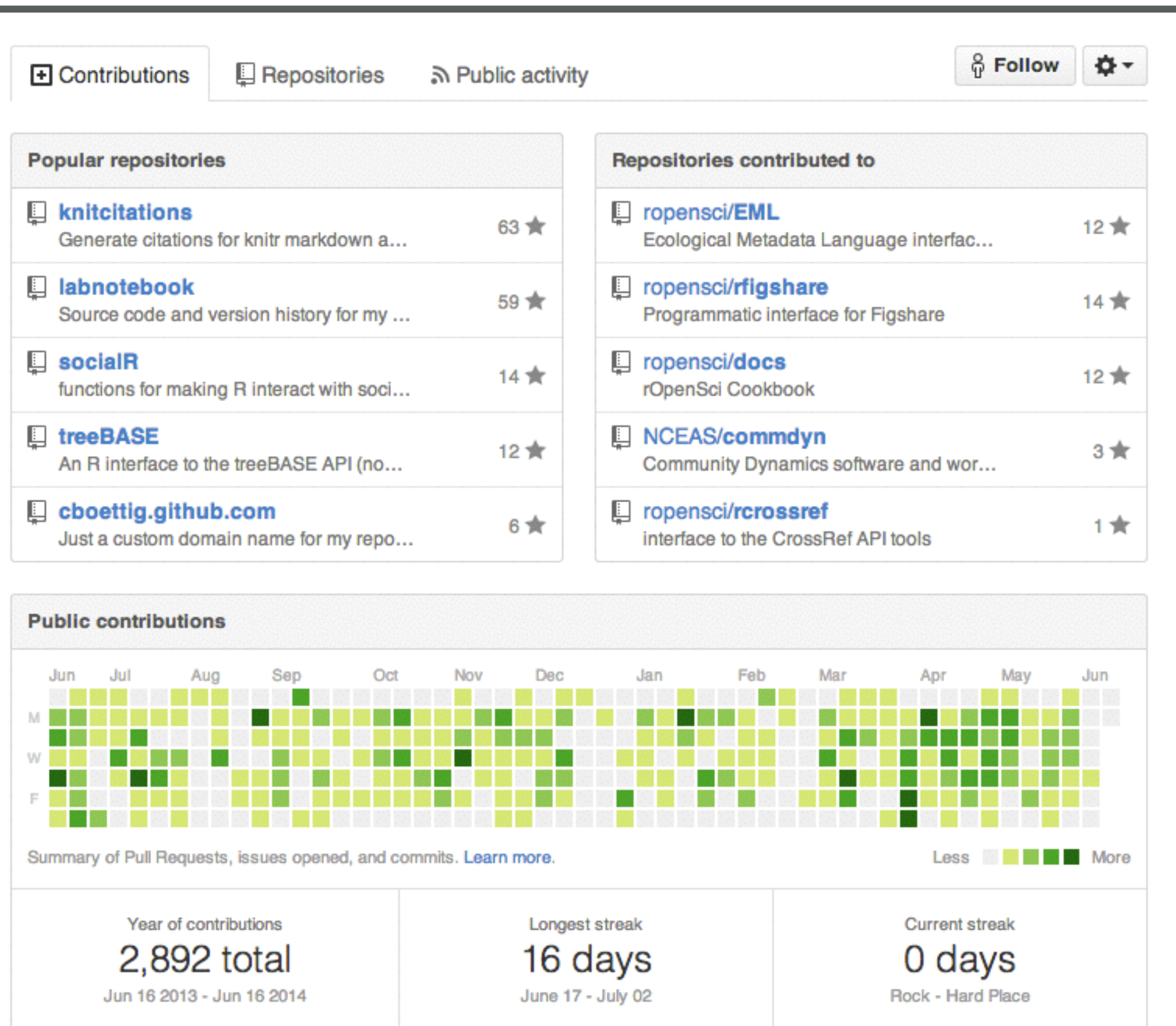
- share dataset upon publication
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*“The best place to share your **code**”*

- share **code**
- **collaborative** development
- **version control** system
- millions of users
- **citable** (doi)



github.com



Bitbucket

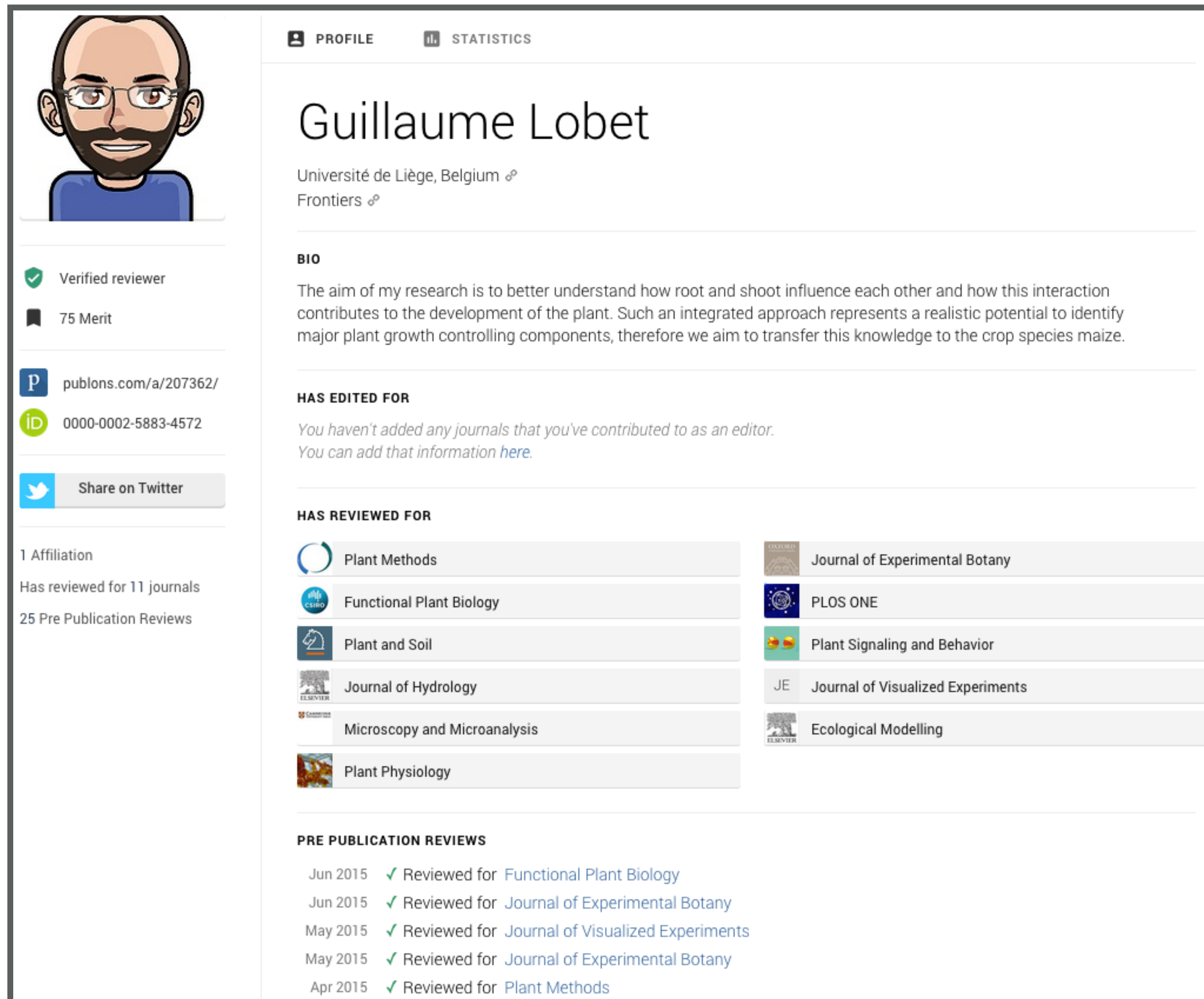
bitbucket.org



sourceforge.org

PUBLONS

“*produce comprehensive **reviewer profiles***”



The screenshot shows a PUBLONS profile for Guillaume Lobet. On the left, there is a profile picture of a man with a beard and glasses, a 'Verified reviewer' badge, a '75 Merit' badge, a PUBLONS ID badge (publons.com/a/207362/), an ORCID iD badge (0000-0002-5883-4572), and a 'Share on Twitter' button. Below these are statistics: '1 Affiliation', 'Has reviewed for 11 journals', and '25 Pre Publication Reviews'. The main profile area has tabs for 'PROFILE' and 'STATISTICS'. The 'PROFILE' tab is active, showing the name 'Guillaume Lobet', affiliation 'Université de Liège, Belgium' and 'Frontiers', and a 'BIO' section stating the research aim is to understand root and shoot interactions in maize. Below the bio is a 'HAS EDITED FOR' section with a message that no journals have been added yet. The 'HAS REVIEWED FOR' section lists 11 journals: Plant Methods, Functional Plant Biology, Plant and Soil, Journal of Hydrology, Microscopy and Microanalysis, Plant Physiology, Journal of Experimental Botany, PLOS ONE, Plant Signaling and Behavior, Journal of Visualized Experiments, and Ecological Modelling. At the bottom, the 'PRE PUBLICATION REVIEWS' section lists five reviews from June 2015 to April 2015, all marked as 'Reviewed' for various journals.

Guillaume Lobet
Université de Liège, Belgium
Frontiers

BIO
The aim of my research is to better understand how root and shoot influence each other and how this interaction contributes to the development of the plant. Such an integrated approach represents a realistic potential to identify major plant growth controlling components, therefore we aim to transfer this knowledge to the crop species maize.

HAS EDITED FOR
You haven't added any journals that you've contributed to as an editor.
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HAS REVIEWED FOR

Plant Methods	Journal of Experimental Botany
Functional Plant Biology	PLOS ONE
Plant and Soil	Plant Signaling and Behavior
Journal of Hydrology	Journal of Visualized Experiments
Microscopy and Microanalysis	Ecological Modelling
Plant Physiology	

PRE PUBLICATION REVIEWS

Jun 2015	Reviewed for	Functional Plant Biology
Jun 2015	Reviewed for	Journal of Experimental Botany
May 2015	Reviewed for	Journal of Visualized Experiments
May 2015	Reviewed for	Journal of Experimental Botany
Apr 2015	Reviewed for	Plant Methods

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- **Avoid confusion** between similar names (John Smith)
- Used by publishers

Guillaume Lobet  http://orcid.org/0000-0002-5883-4572											
Country: Belgium Keywords: root system, water uptake, plant physiology, image analysis Websites: Personal Plant Image Analysis Other IDs: Scopus Author ID: 36091572800	Personal information Biography <p>I am a post-doc researcher at the Université de Liège, in Belgium, in the Plant Physiology lab of Pr. Claire Perilleux.</p> <p>The aim of my research is to better understand how root and shoot influence each other and how this interaction contributes to the development of the plant. Such an integrated approach represents a realistic potential to identify major plant growth controlling components, therefore we aim to transfer this knowledge to the crop species maize.</p>										
	Works <table><tr><td>Plant Water Uptake in Drying Soils 2014-02</td><td>+</td></tr><tr><td>An online database for plant image analysis software tools 2013</td><td>+</td></tr><tr><td>Comparative analysis of Cd and Zn impacts on root distribution and morphology of Lolium perenne and Trifolium repens: implications for phytostabilization 2013</td><td>+</td></tr><tr><td>Novel scanning procedure enabling the vectorization of entire rhizotron-grown root systems 2013</td><td>+</td></tr><tr><td>Root systems biology: Integrative modeling across scales,</td><td>+</td></tr></table>	Plant Water Uptake in Drying Soils 2014-02	+	An online database for plant image analysis software tools 2013	+	Comparative analysis of Cd and Zn impacts on root distribution and morphology of Lolium perenne and Trifolium repens: implications for phytostabilization 2013	+	Novel scanning procedure enabling the vectorization of entire rhizotron-grown root systems 2013	+	Root systems biology: Integrative modeling across scales,	+
Plant Water Uptake in Drying Soils 2014-02	+										
An online database for plant image analysis software tools 2013	+										
Comparative analysis of Cd and Zn impacts on root distribution and morphology of Lolium perenne and Trifolium repens: implications for phytostabilization 2013	+										
Novel scanning procedure enabling the vectorization of entire rhizotron-grown root systems 2013	+										
Root systems biology: Integrative modeling across scales,	+										



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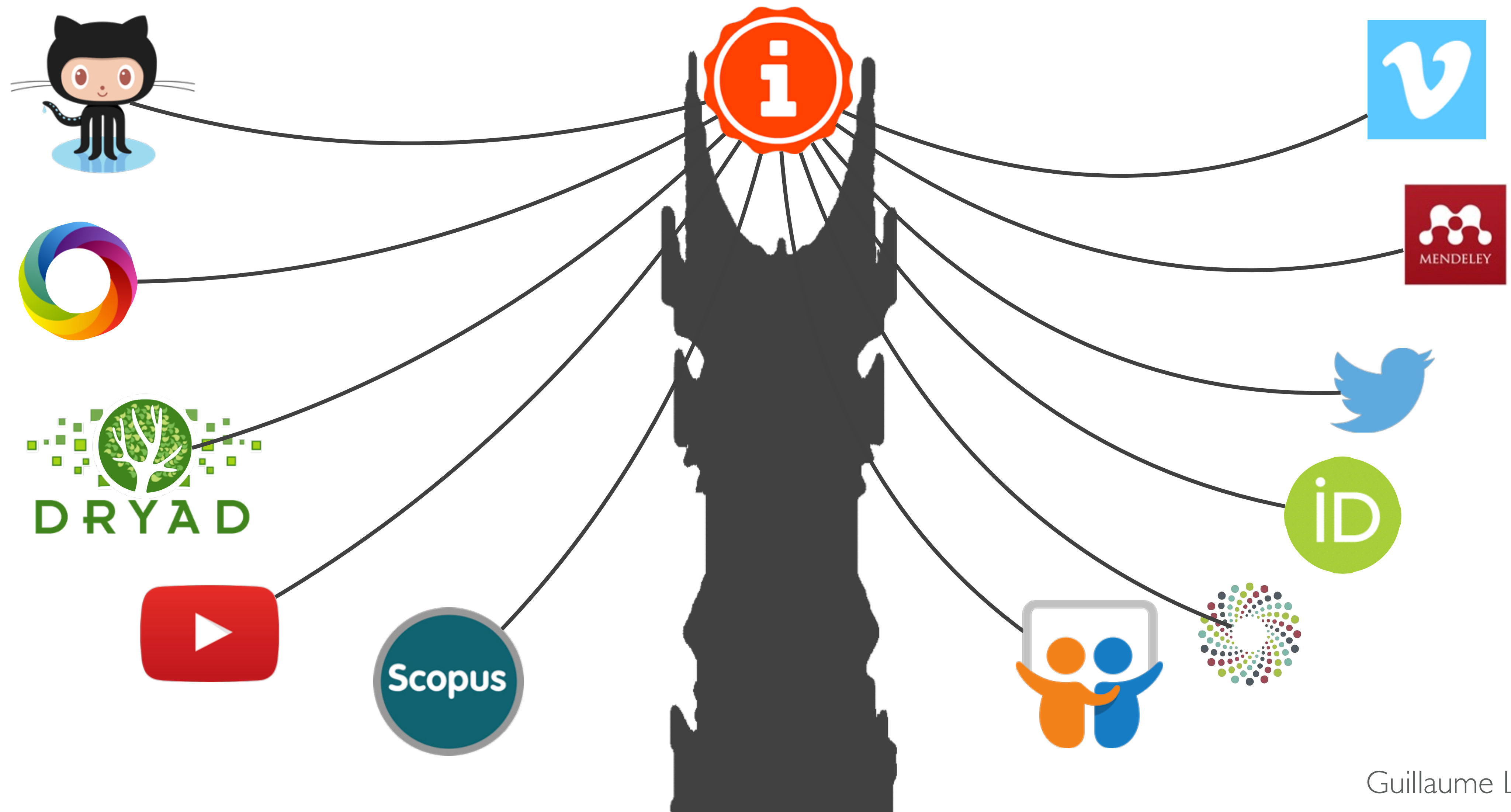
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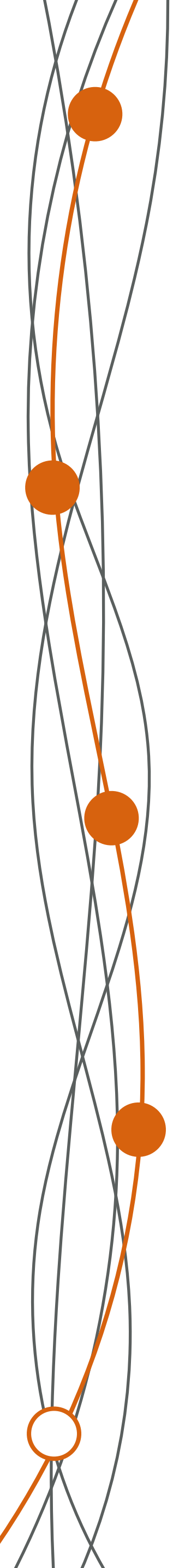


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IMPACTSTORY

*“One **website** to bring them all and in your **profile** bind them”*





CONCLUSION

Publish everything



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Good, old-fashioned,
peer-reviewed **paper**

Identify yourself



R^G



FINAL WORD

*Good communication
will never replace
good science!*



THANKS
FOR YOUR
ATTENTION

Guillaume Lobet
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