

Beyond university-focused research profiles with VIVO

Perspectives of a Service Provider

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Ontocale



euroCRIS Strategic Membership Meeting
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Welcome to WheatVIVO

WheatVIVO is an open-access web portal providing information about wheat researchers and projects globally across the public-private wheat community: who is doing what, where and with whom. WheatVIVO is a useful tool to help researchers find partners and develop collaborations, for students and post-docs to identify labs in which they would like to work, and for policy makers and funding agencies to better understand the research priorities in different countries.

Browse or search information on researchers, labs, grants, projects and publications.

Search WheatVIVO



Search

1120 researchers or organizations with known locations in 42 countries and regions.



WHAT IS WHEATVIVO

THE WHEAT INITIATIVE IS DEVELOPING AN OPEN-ACCESS WEB PORTAL THAT AIMS TO PROVIDE INFORMATION ON WHEAT RESEARCHERS, ORGANIZATIONS AND PROJECTS.

The WheatVIVO portal will facilitate access to information amongst the global public and private wheat community. This web portal will be a useful tool to search for partners and resources in order to develop collaborations.

- WheatVIVO can also be used by students and post-docs to find labs where they might work, by policy makers and funding agencies to better understand research priorities in different countries and facilitate collaborations.
- To develop this portal, the Wheat Initiative has chosen the VIVO research-focused discovery tool, used by a number of prominent universities and research organizations.
- Please note that WheatVIVO is under construction.



Data Sources

Initial set of four:

1. RCUK / BBSRC (now Gateway to Research / GtR)
2. Prodinra
3. VIVO USDA
4. Wheat Initiative website

Added in course of project

5. ORCID

Data Sources

Additional development by INRA intern (Lampros Smyrnaios)

- CORDIS
- VIVO Cornell („Scholars @ Cornell“)
- VIVO Texas A&M
- VIVO University of Florida
- VIVO University of Pennsylvania
- OpenAIRE

Data Sources

Priority		Source	Last updated	Next update	Status message	% done	Total records	Processed records	Error records	OK?	Status
0		Prodinra	---	---		0	0	0	0	OK	IDLE
1		Wheat Initiative Website	---	---		0	0	0	0	OK	IDLE
2		VIVO USDA	---	---		0	0	0	0	OK	IDLE
3		RCUK	---	---	harvesting records	9	33	3	0	OK	RUNNING
4		ORCID	---	---		0	0	0	0	OK	IDLE
5		Concepts	---	---		0	0	0	0	OK	IDLE

- Affiliation
- Publications
- Research
- Teaching
- Service
- Background
- Contact
- Identity
- Other
- View All

different from +

same as +

- [Le Gouis, J](#) Person |  
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Standard merge source

[Admin Panel](#)[Edit this individual](#)Verbose property display is **off**[Turn on](#)[Overview](#)[Identity](#)[Other](#)[View All](#)Resource URI: <http://vivo.wheatinitiative.org/individual/n3433>

merge rule +

[Concept Name Merge Rule](#) Merge Rule |  [Grant Local Award ID Merge Rule](#) Merge Rule |  [Grant PI Plus Merge Rule](#) Merge Rule |  [Grant Sponsor ID Merge Rule](#) Merge Rule |  [Journal ISSN Merge Rule](#) Merge Rule |  [Journal Title Merge Rule](#) Merge Rule |  [Organization Address Merge Rule](#) Merge Rule |  [Organization Contact Email Merge Rule](#) Merge Rule |  [Organization Fax Number Merge Rule](#) Merge Rule |  [Organization Funding Org on Same Grant Merge Rule](#) Merge Rule |  [Organization Lead Organization on Same Grant Merge Rule](#) Merge Rule |  [Organization Merge Rule](#) Merge Rule |  [Organization Phone Number Merge Rule](#) Merge Rule |  [Person Additional Email Merge Rule](#) Merge Rule |  [Person Authorship Rank on Same Publication Merge Rule](#) Merge Rule |  

Photo +



Person Authorship Rank on Same Publication

[Admin Panel](#)

[Edit this individual](#)

Verbose property display is **off**

[Turn on](#)

[Overview](#)

[Identity](#)

[Other](#)

[View All](#)

Resource URI: <http://vivo.wheatinitiative.org/individual/n1883>

merges individuals of class +

[Person](#)



priority +

merge rule pattern +

[Person authorship rank on same publication match](#) Merge Rule Pattern |

[Person last name match](#) Merge Rule Pattern |

Durum wheat | Concept

Associated Departments

ARVALIS - Institut du Végétal

Centre National de la Recherche Scientifique

Centre de Coopération Internationale en Recherche Agronomique pour le Développement

Cornell University

Ecole Nationale de Formation Agronomique de Toulouse

Florimond Desprez

INRA

Institut Agronomique et Vétérinaire Hassan II

Institut National de la Recherche Agronomique

Institut des Sciences et Industries du Vivant et de l'Environnement

Syngenta France

École nationale supérieure de formation de l'enseignement agricole

Overview

research area of

[Abecassis, Joel, INRA](#)

[Arbaoui, Mustapha, Institut Agronomique et Vétérinaire Hassan II](#)

[Ardisson, Morgane, INRA](#)

[Atanosova-Penichon, V., Institut National de la Recherche Agronomique](#)

[Bedoussac, Laurent, INRA](#)

... more

Challenge: Filtering Irrelevant Data

- Most VIVO sites are institution-specific
- (relatively) well defined who and what is of interest
- With WheatVIVO, we have to be more judicious about what we harvest, crawl and show
- Don't want to miss what's important, but don't want users to get lost in irrelevant dead ends

Challenges

- Too much data (low signal to noise ratio)
- Who and what organizations are really relevant
 - How to be inclusive while reflecting experts' understanding of who the major players are
 - How much historical data is relevant
 - Some people in important positions do not have recent publications!

Challenges

- Where to stop crawling
 - What other roles and activities are interesting if we discover someone has worked on wheat?
- How to start crawling
 - Beyond text search to better linkage to vocabulary or ontology terms

MOVING WHEATVIVO FORWARD

THE FOLLOWING SUGGESTIONS REGARDING THE FUTURE OF WHEATVIVO DERIVED FROM DISCUSSIONS WITH EXTERNAL GROUPs AND FROM WITHIN THE WHEAT INITIATIVE'S SCIENTIFIC BOARD.

- Use a group of leading researchers to start populating the database.
- Offer a pre-print service where papers or abstracts can be posted prior to full publication.
- Post key abstracts from international conferences.
- Set up a paper commentary service using lead researchers; similar to the Academy 1000 model.
- Build a WheatVIVO user community by identifying a small number of people who would like to engage.
- There is strong interest amongst user groups to improve the data ingestion and we could benefit by understanding the experience of other users.
- Join a developer group to help WheatVIVO progress.



WHEATVIVO POINTS FOR DISCUSSION

WE GLADLY WELCOME QUESTIONS AND COMMENTS,
IN PARTICULAR YOUR RESPONSES TO THE FOLLOWING QUESTIONS WOULD BE
HELPFUL:

- How does WheatVIVO differ from other VIVO databases?
- Do these differences present advantages or disadvantages?
- Can WheatVIVO serve as a model for other crop based information systems?
- Despite the differences between WheatVIVO and other VIVO databases, are our problems are similar, and what could we learn from others?



GET IN TOUCH WITH US

IF YOU ARE INTERESTED IN GETTING INVOLVED WITH WHEATVIVO OR IF YOU HAVE SUGGESTIONS REGARDING HOW TO HELP ADVANCE WHEATVIVO PLEASE CONTACT US.

Please be sure to send your inquiries and suggestions to both of the following emails:

- Peter Langridge, Chair of Wheat Initiative's Scientific Board: peter.langridge@adelaide.edu.au
- Whitney Buchanan, Wheat Initiative's Communications Manager: wheat.initiative@julius-kuehn.de



Research area browse: abiotic stress



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abiotic stress | [Concept](#)

Top organizations collaborating in this research area

Overview

Subject Area Of

Analysis on the spectra and level of wide-compatibility conferred by three neutral alleles in inter-subspecific hybrids of rice (*Oryza sativa* L.) using near isogenic lines

Application of identified QTL-marker associations in rice quality improvement through a design-breeding approach.

Carbon mineralization in soil as influenced by crop residue type and placement in an Alfisols of Northwest India

Crop establishment methods: foliar and basal nourishment of rice (*Oryza sativa*) cultivation affecting growth parameters, water saving, productivity and soil physical properties

Cultivar, nitrogen, and water effects on productivity, and nitrogen-use efficiency and balance for rice–wheat sequences of Bangladesh

Development of a SNP genotyping panel for detecting polymorphisms in *Oryza glaberrima*/O. *sativa* interspecific crosses

Drought yield index to select high yielding rice lines under different drought stress severities.

Evaluation of mulching, intercropping with *Sesbania* and herbicide use for weed management in dry-seeded rice (*Oryza sativa* L.)

Factors determining the adoption of laser land leveling in the irrigated rice–wheat system in Haryana, India

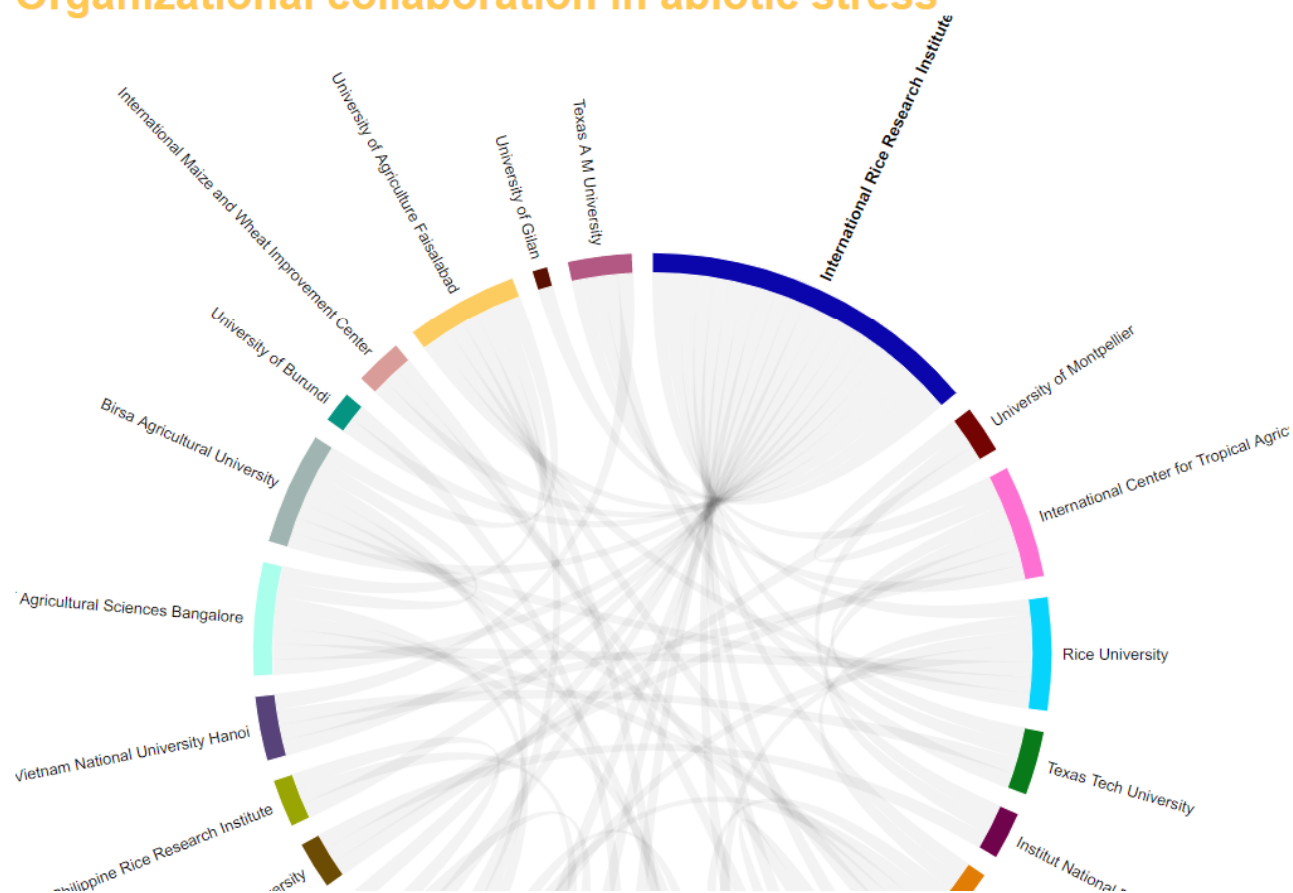


Top collaborating organizations in abiotic stress

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Organizational collaboration in abiotic stress



Organizations collaborating with IRRI in abiotic stress

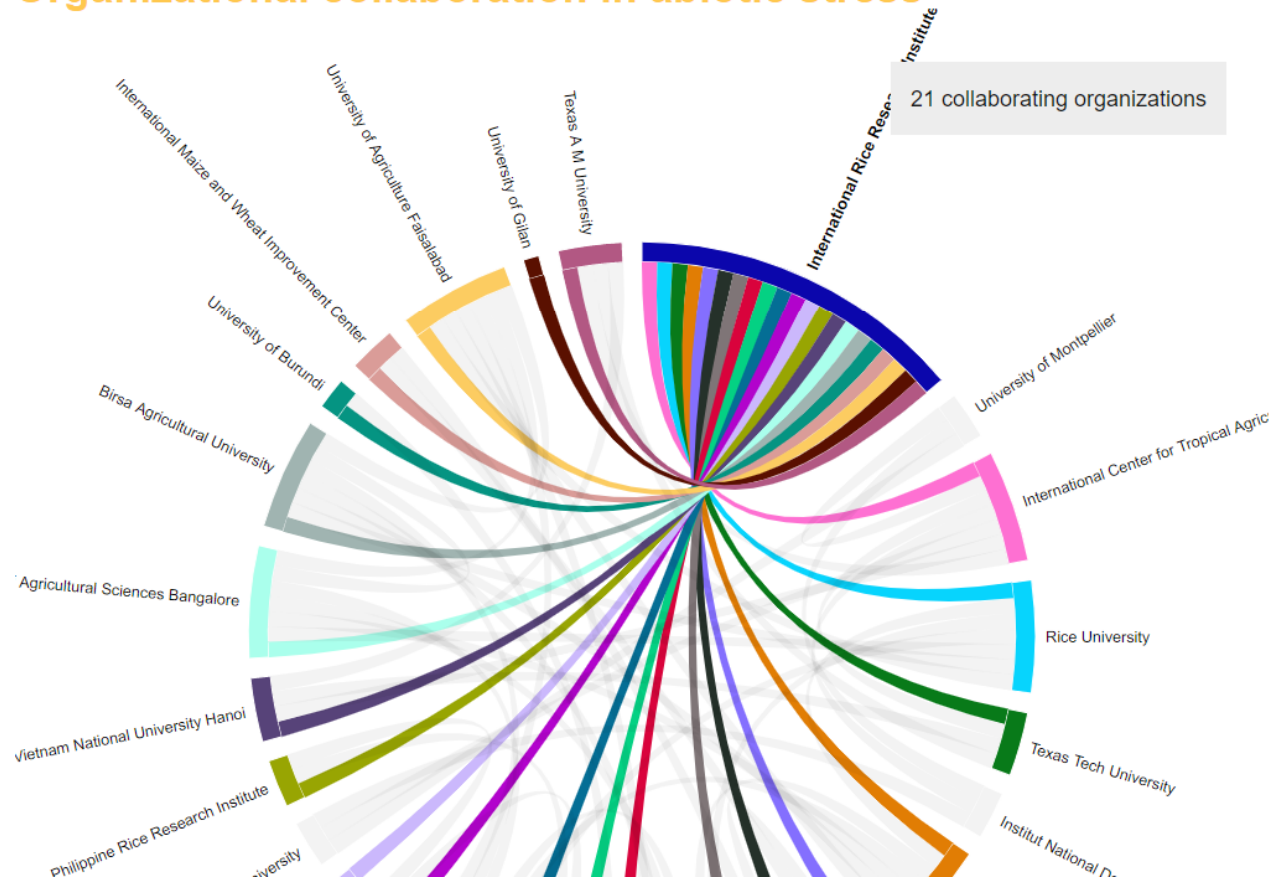


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Organizational collaboration in abiotic stress



Organizations collaborating with CIAT in abiotic stress

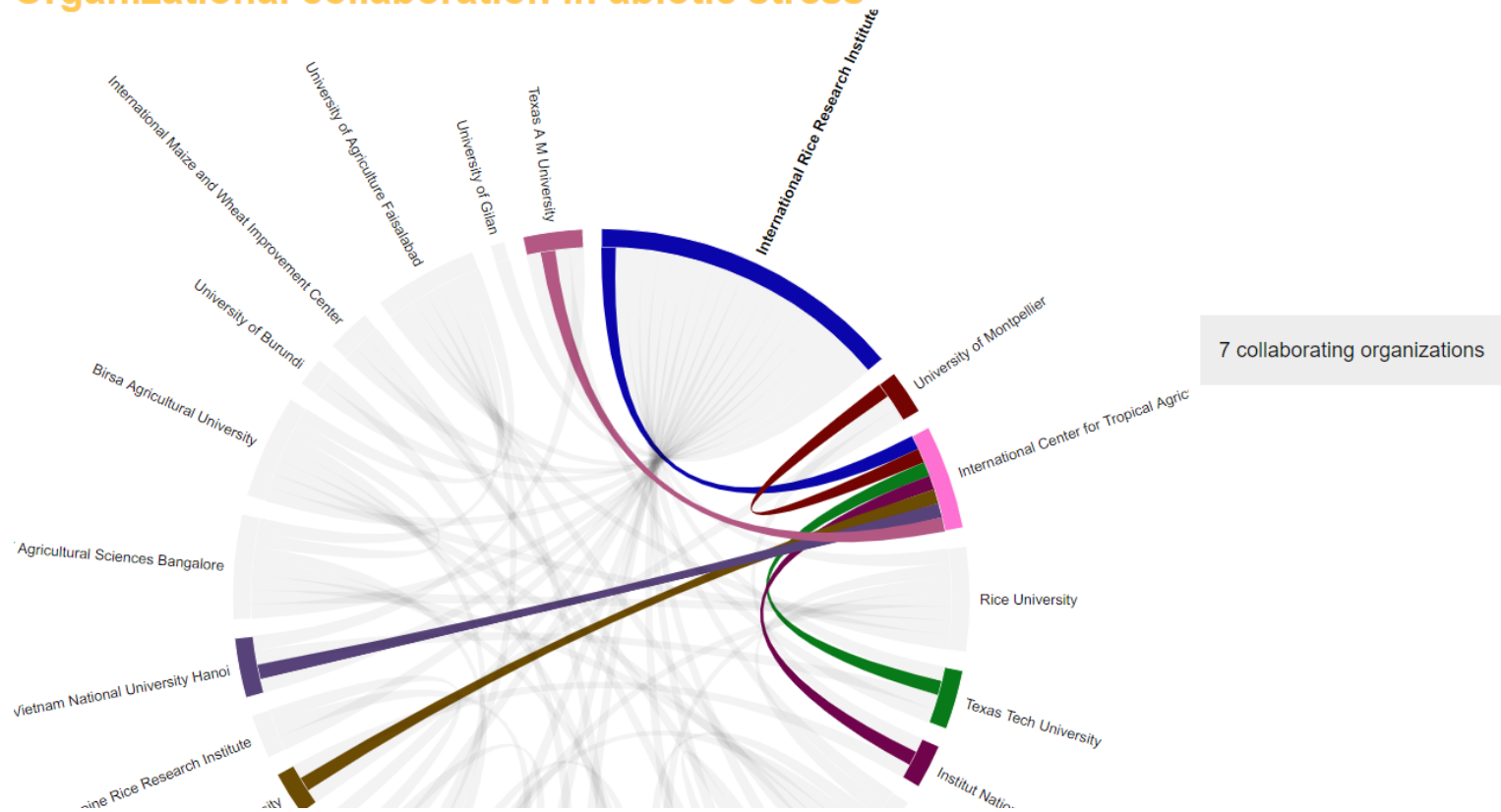


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Organizational collaboration in abiotic stress



<http://deffopera.dk/>



National open science research analytics: Pilot based on Dimensions++ data



With data from all Danish universities & university hospitals



In order to identify & understand some of the many aspects, patterns, impact and potential of the Danish research landscape

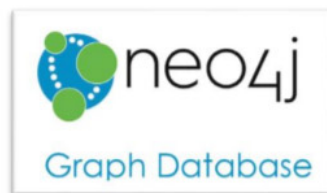
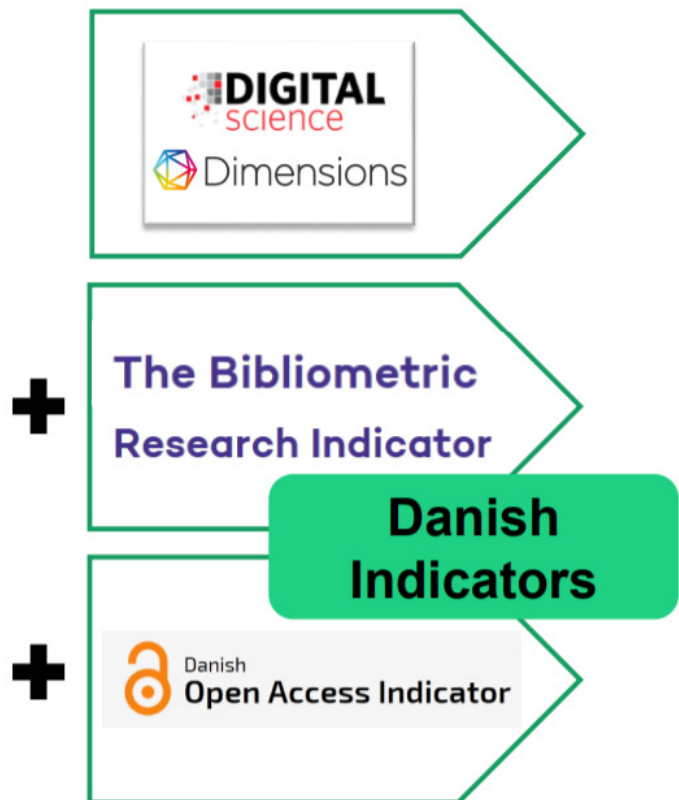


And to compare on an international level



While making the system openly available

Primary data sources



Open Science elements



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