

WheatVIVO Administrator's Guide

Last updated 02 November 2018

Site Administration

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Faculty Member (vivo) ▾

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The Site Admin page of WheatVIVO includes a **Wheat VIVO Administration** menu with links for ingesting, merging (reconciling) data and publishing data to the public WheatVIVO portal.

Ingest data

Data Sources

Priority		Source	Last updated	Next update	Status message	% done	Total records	Processed records	Error records	OK?	Status
0	Start	Prodinra	---	---		0	0	0	0	OK	IDLE
1	Start	Wheat Initiative Website	---	---		0	0	0	0	OK	IDLE
2	Start	VIVO USDA	---	---		0	0	0	0	OK	IDLE
3	Start	RCUK	---	---		0	0	0	0	OK	IDLE
4	Start	ORCID	---	---		0	0	0	0	OK	IDLE
5	Start	Cordis	---	---		0	0	0	0	OK	IDLE
6	Start	Cornell	---	---		0	0	0	0	OK	IDLE
7	Start	Florida	---	---		0	0	0	0	OK	IDLE
8	Start	OpenAire	---	---		0	0	0	0	OK	IDLE

The Ingest Data screen lists the available sources and the status of the connector for each source. The Start/Stop buttons allow connectors to be run individually from this screen:

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

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As individual records are retrieved and converted, the „Processed records” count is incremented. Most connectors provide a count of the total records to be processed: in these cases, the „% done” column will also be updated as the ingest progresses. In the event that individual records are unable to be retrieved or converted properly but the ingest is otherwise able to continue, the „Error records” column will be incremented. Clicking on the count will show more detailed error messages.

If a fatal error prevents an ingest from completing (such as when a source is unavailable), the OK? column will display a red ERROR alert and the status message will be updated to show the immediate cause of the error. The file wheatvivo-adminapp.all.log in Tomcat’s logs directory may include additional details.

Data Sources ⁺										
Priority		Source	Last updated	Next update	Status message	% done	Total records	Processed records	Error records	OK? Status
0	Start	Prodinra	---	---	ingest terminated due to error	0	0	0	0	ERROR IDLE
1	Start	Wheat Initiative Website	---	---		0	0	0	0	OK IDLE
2	Start	VIVO USDA	---	---		0	0	0	0	OK IDLE
3	Start	RCUK	---	---	ingest stopped	15	33	5	0	OK IDLE
4	Start	ORCID	---	---		0	0	0	0	OK IDLE
5	Start	Concepts	---	---		0	0	0	0	OK IDLE

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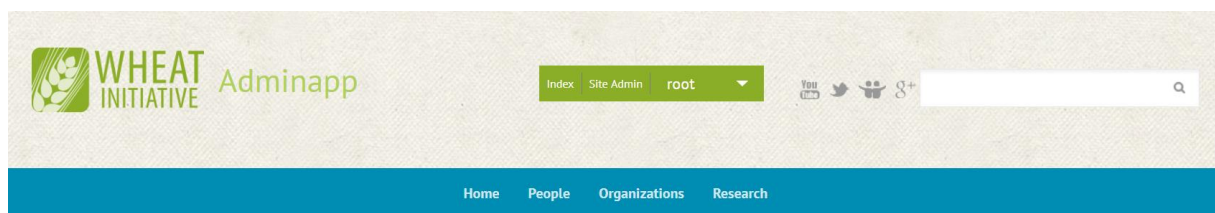
Clicking on the name of a data source will reveal additional properties that can be edited:

Prodinra [Edit this individual](#) Admin Panel [Edit this individual](#) Verbose property display is **off** [Turn on](#)

Resource URI: <http://vivo.wheatinitiative.org/individual/datasource1>

priority +
1 Edit Delete
service URI +
http://oai.prodinra.inra.fr/ft Edit Delete
next scheduled update +
update frequency +
schedule to run immediately after +
deployment URI +
http://vml-dev-883jouy.inra.fr/wheatvivo-adminapp/datasource/prodinra Edit Delete
uses SPARQL endpoint +
Built-in SPARQL Endpoint Edit Delete
query term set +
Standard Wheat Query Term set Edit Delete
graph URI +
http://vitro.mannlib.cornell.edu/a/graph/Prodinra Edit Delete

These properties allow a connector to be set to run automatically at a certain time and (optionally) repeating on a daily, weekly or monthly interval:



Add an entry of type update frequency

daily [Add](#) or [Cancel](#)

daily

monthly

weekly


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In addition, the „schedule to run immediately after” property allows a connector to immediately follow another in a serial chain. This may simplify scheduling and reduce server load by avoiding inadvertently scheduling connectors to run at the same time.


Query Term Set

The search terms used by the connector to find wheat-relevant data can be set by editing the „query term set” for the connector. Individual connectors may use their own query term sets, or share a common set:


Photo 













Standard Wheat Query Term set  

Admin Panel [Edit this Individual](#) Verbose property display is **off** 

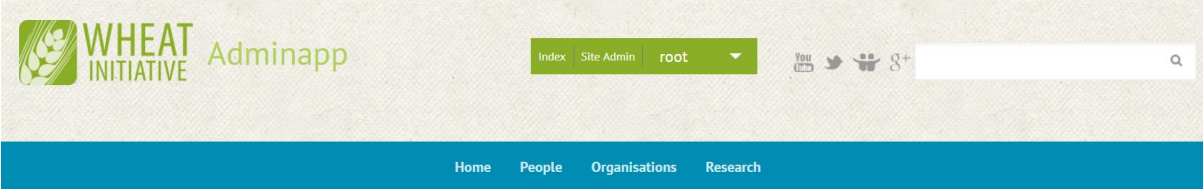
Resource URI: <http://vivowheatinitiative.org/individual/n4064>


query term 

- blé  
- ble  
- tritici  
- triticum  
- wheat  

Merge Data

The merge data (reconciliation) process automatically adds „sameAs” assertions to link together entities harvested from different sources that represent the same real-world objects. Merging is done according to sets of rules that can be configured from the interface:



Data Sources 

Priority	Source	Last updated	Next update	Status message	% done	Total records	Processed records	Error records	OK?	Status
0	Start Standard merge source	---	---		0	0	0	0	OK	IDLE

The merge process is set up just like the data connectors and has similar controls. Instead of retrieving data from remote sources, however, it queries the data already gathered in the admin app and adds sameAs triples to the same application.

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

The standard merge source includes a default set of merge rules. Additional rules can be added by clicking the + sign next to „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](#) | [Edit](#) | [Delete](#)


priority +

merge rule pattern +

- [Person authorship rank on same publication match](#) Merge Rule Pattern | [Edit](#) | [Delete](#)
- [Person last name match](#) Merge Rule Pattern | [Edit](#) | [Delete](#)

Each rule adds sameAs triples between resources of a given ontology class. This class is specified in the „merges individuals of class” property. The rule above merges resources of type foaf:Person.

The resources are inferred to be sameAs one another according to patterns added via the „merge rule pattern” property. In the case above, the rule finds persons who have the same author rank number on the same publication and adds a safety check by requiring that the persons’ last name value must match. Each rule may have any number of patterns. Only those resources who satisfy **all** of the merge rule patterns will be inferred to be sameAs one another.

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/n8077>

















merges on data property 
rank  
merges on object property 
selected publications  
match percentage 

Photo 

Person last name match  Merge Rule Pattern [Admin Panel](#) [Edit this individual](#) Verbose property display is **off** [Turn on](#)

[Overview](#) [Identity](#) [Other](#) [View All](#)

Resource URI: <http://vivo.wheatinitiative.org/individual/n6156>

merges on data property 
has last name  
merges on object property 
match percentage 
95  

When matching on data properties with string values (e.g. last name), the „match percentage” (match score on a scale from 1-100) property sets the threshold for accepting inexact matches. Any value less than 100 will allow for example, case-insensitive matches. Leaving the score at 100 (or not specifying it at all) will make for faster rule execution in cases where truly exact matches are desired.

There is also currently a magic match percentage of 19. Using a setting of 19 will match string according to their initials: E.g. „J. A.” and „John Anderson” will be considered a match under a score of 19.

Invalidating Proposed Merges

After the merge data source has run, the inferred sameAs links will appear in the admin app interface:

Affiliation
Publications
Research
Teaching
Service
Background
Contact
Identity
Other
View All

different from +

same as +

Le Gouis, J Person | ✎ 🗑

Le Gouis, J Person | ✎ 🗑

Le Gouis, J Person | ✎ 🗑

Le Gouis, J Person | ✎ 🗑

Le Gouis, J Person | ✎ 🗑

Le Gouis, J Person | ✎ 🗑

Le Gouis, J Person | ✎ 🗑

Le Gouis, J Person | ✎ 🗑

Le Gouis, J Person | ✎ 🗑

Le Gouis, J Person | ✎ 🗑

Le Gouis, Jacques Person | ✎ 🗑

Le Gouis, Jacques Person | ✎ 🗑


Le Gouis, Jacques Person | ✎ 🗑

Le Gouis, Jacques Person | ✎ 🗑



If a sameAs triple was added erroneously, there are two methods for addressing the problem. First, a provenance display will show the rules responsible for inferring sameAs triples for a given individual:

Preferred Title +
Person

Overview +

Photo +


Data sources for this individual
[Person Additional Email Merge Rule](#)
[Person Name and Position Merge Rule](#)
[Wheat Initiative Website \(retrieved 2018-03-25 11:58:24\)](#)
[Person Name Merge Rule](#)
[Person Authorship Rank on Same Publication Merge Rule](#)

Links
Save URI: 
Save QR Code: 

Contact Info

Primary Email +

Additional Emails +
Jacques.LEGOUIS@clermont.inra.fr | ✎ 🗑

Phone +
+33 (0)4-73-62-43-11 | ✎ 🗑

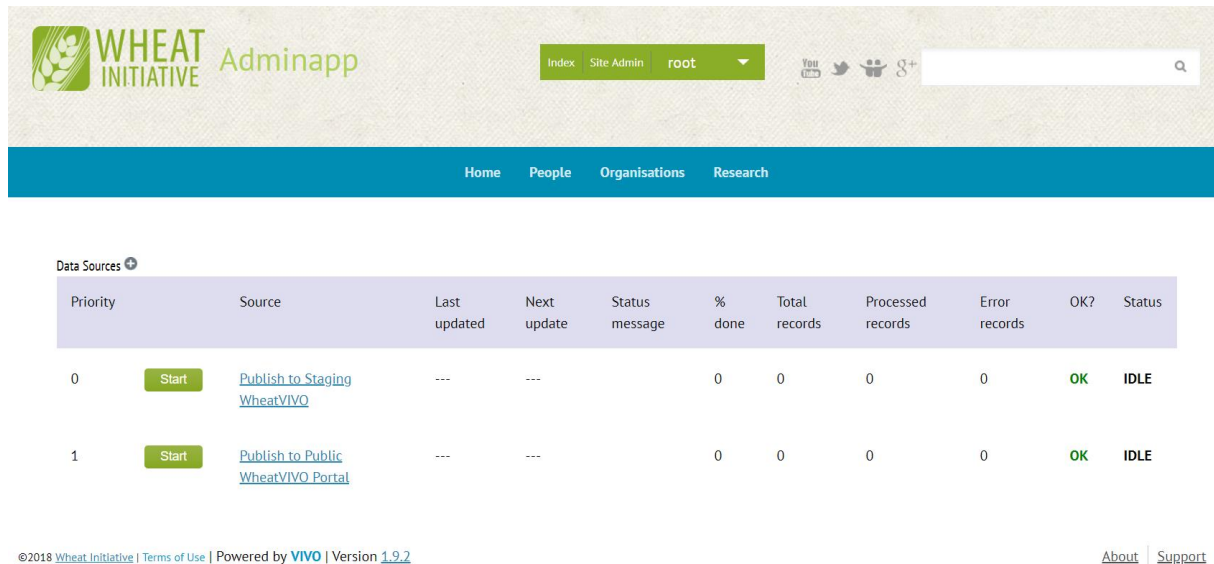
Websites 🖨

Positions +

These merge rules may be revisited and adjusted. If the rules are generally sound, but certain troublesome inferences simply need to be invalidated, „different from” links may be manually added (just above „same as” in the interface) to show that the merge source should not attempt to merge the two given individuals. After adding different from assertions, re-run the merge source and the offending inferences will be removed.

Publish Data

The publish step is run after the merge and takes the resulting sameAs triples to combine resources into a single representation of a real-world entity with a single URI. The URI is chosen according to the priority property of the original data source. Similarly, properties for which only one value is desired (e.g. labels) will have their values selected according to source priority.



The screenshot shows the WHEAT INITIATIVE Adminapp interface. The header includes the logo, navigation links (Index, Site Admin, root), and social media icons. The main content area displays a table of Data Sources.

Priority	Source	Last updated	Next update	Status message	% done	Total records	Processed records	Error records	OK?	Status
0	Publish to Staging WheatVIVO	---	---		0	0	0	0	OK	IDLE
1	Publish to Public WheatVIVO Portal	---	---		0	0	0	0	OK	IDLE

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The publisher copies the combined resources to either a staging/testing or public WheatVIVO server. It may be configured and scheduled similarly to the other data sources.