

Data sharing in IWYP

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Benefits and added value of sharing data using the IWYP data platforms

- Organise germplasm collections and associate these with additional data types, such as phenotypic or genotypic information.
- Facilitate early opportunities to collaborate on interdisciplinary research projects within IWYP.
- Provide a centralized repository of innovating wheat yield potential research to the global research community to enhance IWYP's impact.
- Help meet donor mandate to share FAIR data.



Data submission process

Data Survey

- Project PI/members

Datasets/meta data sent to IWYP Data Coordinator

Interaction with project members

- IWYP Data Coordinator

	A	B	C	D	E	F	G
1	Approximate date to share data with IWYP Data Management Team (Quarter/Year)						
74	Q4 2018						
75							
76							
77							
78							

- Receive examples of the data
- Explain nomenclature of lines/traits/markers
- Exchange protocols
- Choosing platform (Germinate/Dataverse)
- Formatting files
- Load germplasm or metadata



Data submission process

	A	B	C	D	E	F	G	H	I	J	K	L
	When can the data be made publicly available? <i>See dropdown menu</i>	Dataset type	Germplasm (Panel, population or general description)	Number or samples or lines	Approximate number of traits/markers	General description	Resource (Dataverse/Germ inate)	Link	Data contact person (email)	IWYP Project Number	Project PI	Comments
1												
2	Publicly available immediately	Phenotypic	HIBAP Obregon data	150	30	Phenotyping	Germinate		g.molero@cga	AP01	Matthew Reynolds	
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												

Datasets/meta data ready to be published

Indicate when can the data be made public

Data submission form filled

- IWYP Data Coordinator

Accept submission form

- Project PI



Data licenses and access permission options

IWYP Open Data License ✓

License

PLEASE READ THIS CAREFULLY BEFORE ACCESSING DATA COVERED BY THIS LICENSE AGREEMENT FROM THIS REPOSITORY

Agreement Acceptance Procedure

By clicking on the acceptance of this independent individual and conditions below.

If you do not accept from this repository.

AGREEMENT FOR THIS LICENSE A

1. Definitions

1.1 In this Agreement necessary in the context meanings:

Database	The thereof that constitute a database to which User have access to through Germinate, as a Research Data Repository.
Intellectual	Any existing right (Intellectual Property, sui generis or other) valid

Close

CONFIDENTIAL IWYP Data License ✓

2.2 All Datasets accessed under this Agreement shall be considered IWYP Restricted Datasets, only available to some or all IWYP Partners, because of additional permissions granted due to project or institution affiliation and the electronic signature of this Agreement. When accessing, combining and/or extracting these IWYP Restricted Datasets through this Research Data Repository, User will be responsible for verifying what Data is part of IWYP Restricted Datasets and therefore, shall be managed as per the terms hereunder.



IWYP provides two platforms for data sharing with complimentary abilities



CIMMYT Research Data & Software Repository Network > International Wheat Yield Partnership Research Data

Contact Share

Free, open access repository of research data produced as part of the International Wheat Yield Partnership (IWYP).

Search this dataverse...

Find

Advanced Search

- Repositories (0)
- Datasets & Software (5)
- Files (55)

Publication Date

- 2017 (4)
- 2018 (1)

Subject

- Agricultural Sciences (5)

Keyword Term

- Agricultural research (5)
- Triticum aestivum (4)
- Crop yield (2)
- Genotypes (2)
- Plant physiology (2)

Author Name

- Reynolds, Matthew (2)

1 to 5 of 5 Results

Sort

Dataset / Software

Replication Data for: Hidden variation in polyploid wheat drives local adaptation



Apr 16, 2018

Gardiner, Laura-Jayne ; Joynson, Ryan ; Omony, Jimmy ; Rusholme-Pilcher, Rachel ; Olohan, Lisa ; Lang, Daniel ; Bai, Caihong ; Hawkesford, Malcolm ; Salt, David ; Spannagl, Manuel ; Mayer, Klaus ; Kenny, John ; Bevan, Michael ; Hall, Neil ; Hall, Anthony ; 2018. *Replication Data for: Hidden variation in polyploid wheat drives local adaptation. Research Data & Software Repository Network, V1

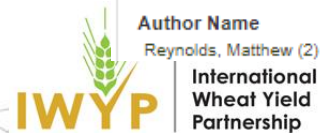
Wheat has been domesticated into a large number of agricultural environments. To understand this process, we survey genotype, environment, and gene expression data from a large collection representing global diversity.

The **Dataverse** Project

Created at **IQSS** at Harvard University

Infrastructure, Germplasm Resources, and Services Hub (IWYP Hub) at CIMMYT

More...



CIMMYT_{MR}

We can store... Germplasm information

General germplasm

- Name(s)
- ID Number(s)
- Attribute(s)
- Species
- Pedigree (text)
- Pedigree relationships
- Photos



The
Dataverse
Project 

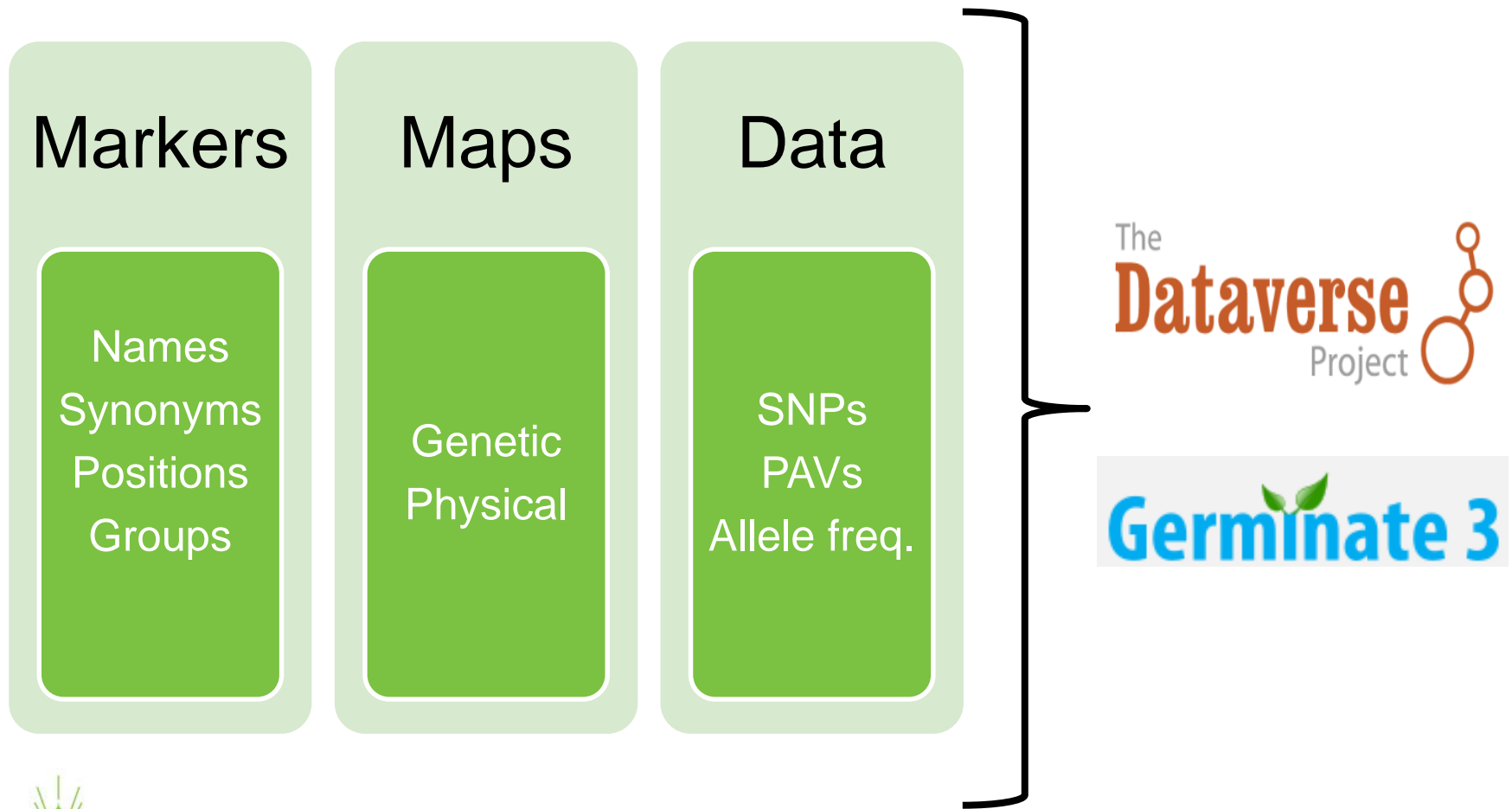
Germplasm Bank Accessions / Landraces

- Multi-crop passport descriptors (MCPD)
- Germplasm collection site information
 - GPS Coordinates
 - Elevation
 - Climate data

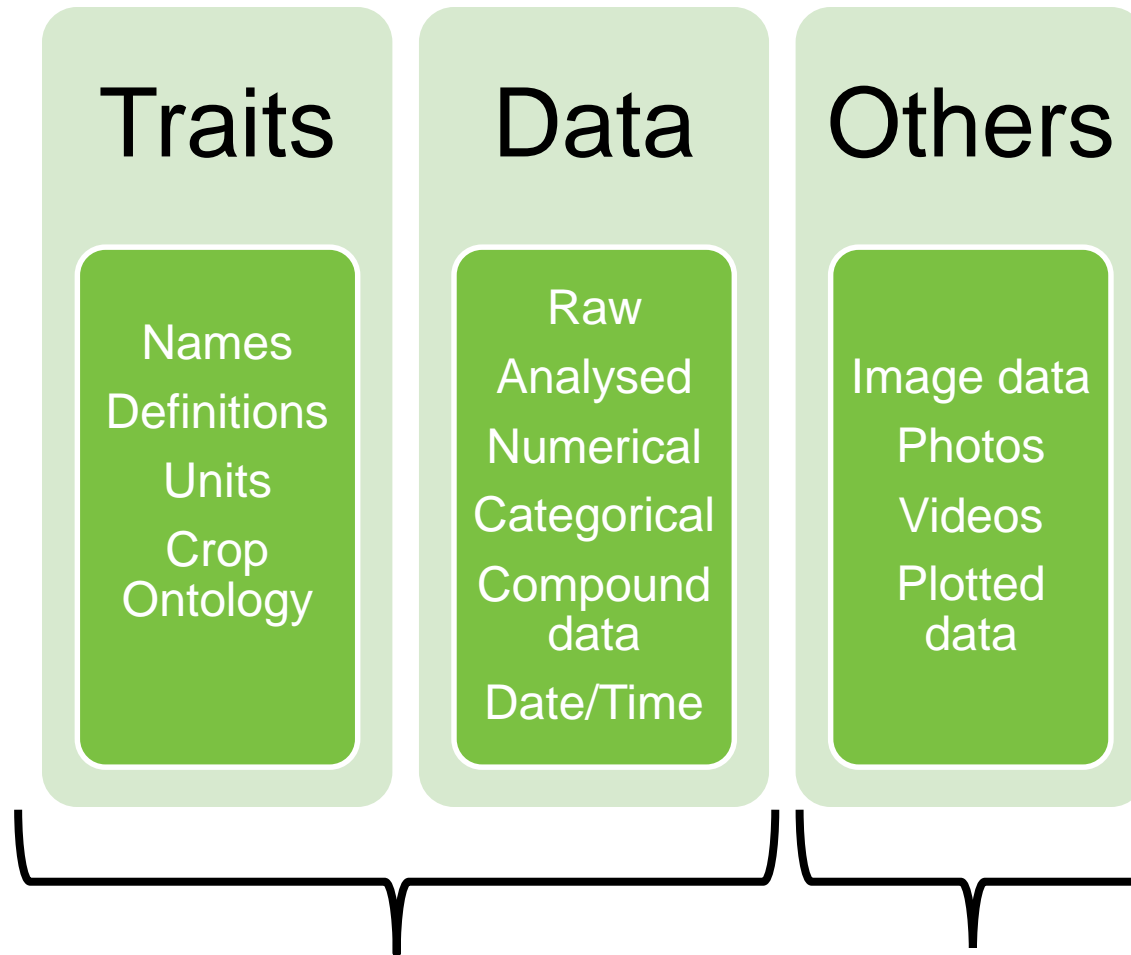

Germinate 3



We can store... Genotypic data



We can store... Phenotypic information



Data resources for IWYP - Germinate

- Stores phenotypic and genotyping data in a queryable database.
- Enables internal data sharing.
- Facilitates open-access data publishing.
- Supports cross-dataset queries and cross data-type navigation.
- Links to visualization tools.
- Organises germplasm collections and associate these with data.



Germinate is really useful for accession information

[Login](#) for returning member. Don't have an online account? [Register Now](#)

 No items in cart [Contact Us](#)

CIMMYT-Wheat Germplasm Bank 1.9.4



[Search Accessions](#)

[Descriptors](#)

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[Help](#)

Choose language **English**


BW 42811


Triticum aestivum L. subsp. aestivum

'BAJ #1'

Donated from:	CIMMYT,INT.
Maintained by:	International Maize and Wheat Improvement Center
Backup location:	Svalbard Global Seed Vault
Life form:	Annual
Pedigree:	WAXWING/4/SONOITA F 81/TRAP #1/3/KAUZ*2/TRAP//KAUZ
Improvement status:	Breeders line
Reproductive uniformity:	Pureline
Form received:	Seed

Status: Available
Amt Distributed: 5 Grams
Type Distributed: Seed

 [Add to My Favorites](#)

 [Add to Order](#)

Accession names and identifiers

BAJ #1

Type: CULTIVAR
Group: BREAD WHEAT

Data resources for IWYP - Dataverse

- Accepts any and all file formats
- Groups relevant files together in “studies”
- Promotes rich metadata tagging with controlled terms
- Easy for IWYP scientist or staff to create or contribute to studies
- Facilitates open-access data publishing
 - Provides permanent URL for data citation
 - Captures data use metrics



Choosing the best resource(s)

Germinate 3

Facilitates querying within and across datasets

Requires specific formatting and terms standardization

Datasets are published when the database is updated



Facilitates download of citable, well-defined datasets

Accepts any type of file and format

Studies can be published in a shorter time frame



Questions for the audience

- Do you think the current IWYP DM plan contributes actively to the overall objective of IWYP?
- What would you propose to improve the data sharing process and the impact of the data shared in the databases?
- Access to data (discuss options for data that has not been published).
- Would people like to get an update on what exciting new data are available for IWYP members and for the public in Germinate and/or Dataverse? If so – how often? Quarterly?
- What data format do users prefer for downloading their genotypic data.
- When viewing analyzed phenotypic data, would people prefer to download the accompanying SE or SD data in the same dataset or as a separate but linked dataset?
- What type(s) of training do people prefer? Online webinars, short videos, written guides, etc.?



Link to IWYP DM Survey

https://docs.google.com/forms/d/e/1FAIpQLSeJtboOR0lZaZZzyQvn76-BqC113jMhklH8KTBPDUUYU6w_IQ/viewform



Accessing data in Germinate

<http://germinate.cimmyt.org/wheat/>

Germinate 3

CIMMYT Wheat Germinate

Login

Email →
IWYP site psw →

 Login

[Don't have an account? Register here!](#)



International
Wheat Yield
Partnership



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Germinate data menu

The image shows a screenshot of the Germinate 3 v3.4.0 application interface. At the top, the logo 'Germinate 3' is displayed in blue with a green leaf icon above the 'i', and the version 'v3.4.0' is below it. A search bar with the placeholder text 'Search...' and a magnifying glass icon is positioned below the header. The main menu is a vertical list of items, each with an icon and a right-pointing chevron. The items are: Home (house icon), Data (document icon), Accessions (DNA helix icon), Genetic Data (hourglass icon), Phenotypes (heart icon), Datasets (stack of papers icon), Environment (person icon), Groups (grid icon), and About (info icon). Four green arrows point from the left towards the 'Accessions', 'Genetic Data', 'Phenotypes', and 'Datasets' items. A green bracket on the right side groups these four items, with the text 'Maps', 'Genotypic data', and 'Trials' written next to it. At the bottom of the menu, there are logos for CIMMYT, IWIN, and other partners.



Germinate home menu

Germinate 3

v3.4.0

- Home
- Data >
- Environment >
- Groups
- About >

CIMMYT

Germinate Wheat Database

Home

2864
Accessions
[Continue](#)

36377
Markers
[Continue](#)

25
Groups
[Continue](#)

The Germinate Wheat Database is a data warehouse that includes various types of data generated by [International Maize and Wheat Improvement Center \(CIMMYT\)](#)'s Global Wheat Program (GWP) and Genetic Resources Program (GRP), as well as data generated through the [International Wheat Yield Partnership \(IWYP\)](#) project at the IWYP-Hub in México and by partners and affiliated projects around the world.

The Germinate Wheat Database contains

- Phenotypic data
- Genotypic data
- Genealogical data
- Passport data for accessions

Share on Facebook

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Share on Google+

Get link to this page

Logout

Accessions **0**

Markers **0**

Locations **0**

[Visit the Germinate homepage](#)

[View Germinate's source code on GitHub](#)

[View or cite the Germinate publication](#)

[Read the Germinate documentation](#)

CIMMYT_{MR}

Accessing data in Germinate - Accessions

Germinate 3
v3.4.0

Search...

Filter

Downloads

You can download data from the Germinate database by selecting specific groups. The export can take a few seconds to perform.

specified column. To use fuzzy search, for example, searching for a country name like "kingdom" or "china" by searching for "%kingdom" or "%china".

Pedigree

• Lamacraft: CACTUAR-1986 * CACTUAR-250

Id	Child GID	Child name	Parent GID	Parent name	Relationship type	Relationship description	Pedigree description	Pedigree author
4	ACC-2	CACTUAR-2	ACC-1986	CACTUAR-1986	F		The parent responsible for the left half of the body	Baz
5	ACC-2	CACTUAR-2	ACC-250	CACTUAR-250	M		The parent responsible for the right half of the body	Baz
78	ACC-39	CACTUAR-39	ACC-2	CACTUAR-2	F		The parent responsible for the left half of the body	Baz
242	ACC-121	CACTUAR-121	ACC-2	CACTUAR-2	F		The parent responsible for the left half of the body	Baz

Download pedigree for Helium

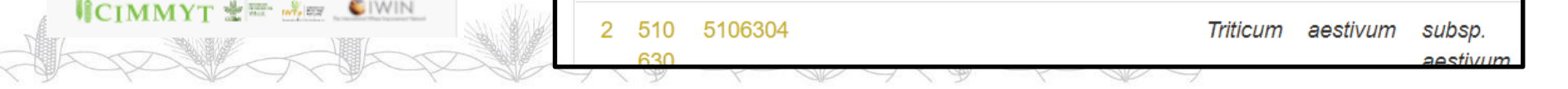


<https://www.youtube.com/watch?v=1G89O-onb4o>

Groups

About

Id	Child GID	Child name	Parent GID	Parent name	Relationship type	Relationship description	Pedigree description	Pedigree author
1	511	5119993						
2	510	5106304						



Accessing data in Germinate - Genetic data (maps)

 Germinate 3

v3.4.0

Search...



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Export Options

Use this panel to specify export options. The links below will then download the map with the specified options applied.

There are multiple export options, however, the download will only regard one of them (the selected tab).

If you don't want to use export options, simply close this panel again.

Chromosomes

Map regions

Map interval

Radius around marker

Select all the chromosomes you want to export from the list below.

Non-contiguous groups can be selected using **ctrl**/**⌘**. Use **shift** for sequential groupings.

1A
1B
1D
2A
2B
2D
3A
3B

Don't use export options

Export to Flapjack format

Export to MapChart format

Export to Strudel format





Accessing data in Germinate - Genetic data

Germinate 3

v3.4.0



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Genotype data

Select accession groups

Non-contiguous groups can be selected using **Ctrl** / . Use **Shift** for sequential groupings.

All accessions
CIMCOG (60)
Paragon x BKACHU population (96)
Select germplasm
Paragon x MISR1 population (96)
Paragon x PFAU population (96)
Paragon x SUP152 population (96)

Select marker groups

Non-contiguous groups can be selected using **Ctrl** / . Use **Shift** for sequential groupings.

All markers
768_markers (16)
All markers (36376)
6markers (6)
Select markers

Select all

Result

Downloads

- Download raw file
- Download map file
- Download Flapjack file

Select map

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Accessing data in Germinate - Genetic data




Download Flapjack here: <https://ics.hutton.ac.uk/flapjack/download-flapjack/>

Flapjack help page: <http://flapjack.hutton.ac.uk/en/latest/index.html>

Paper and presentations: <https://ics.hutton.ac.uk/flapjack/papers-and-presentations/>

Accessing data in Germinate - Phenotypes



v3.4.0

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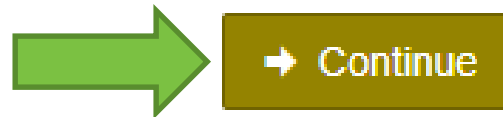
About >

CIMMYT  IWIN

Trials Data Export

Please select a dataset for the export process.

<input type="checkbox"/>	Id	Dataset Description	Experiment Type	Experiment Name	Contact		
<input checked="" type="checkbox"/>	17	CIMCOG physiological data averaged for Y10-11, Y11-12 and Y12-13 crop seasons - BLUEs results	trials	CIMCOG Phenotypic Data	Matthew Reynolds (M.Reynolds@cgiar.org)		
<input type="checkbox"/>	18	HIBAP physiological data collected in Y15-16 crop season - BLUEs results	trials	HIBAP Phenotypic Data	Matthew Reynolds (M.Reynolds@cgiar.org)		
<input type="checkbox"/>	19	HIBAP physiological data collected in Y15-16 crop season - BLUPs results	trials	HIBAP Phenotypic Data	Matthew Reynolds (M.Reynolds@cgiar.org)		
<input type="checkbox"/>	20	WAMI physiological data collected in Y15-16 crop season - BLUEs results	trials	WAMI Phenotypic Data	Matthew Reynolds (M.Reynolds@cgiar.org)		
<input type="checkbox"/>	21	1st WYCYT physiological data collected in Y15-16 crop season - BLUEs results	trials	1st WYCYT Phenotypic Data	Matthew Reynolds (M.Reynolds@cgiar.org)		
<input type="checkbox"/>	22	2nd WYCYT physiological data collected in Y15-16 crop season - RI IIFs results	trials	2nd WYCYT Phenotypic Data	Matthew Reynolds (M.Reynolds@cgiar.org)		



Accessing data in Germinate - Phenotypes

Germinate 3
v3.4.0

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Trials data

Overview
Phenotype / Phenotype Chart
Matrix
Download

First phenotype: GN_Calc_Gmm2 [grain/m2]
Second phenotype: GW_M_g1000gm [g/1000]
Group: CIMCOG (60)
Color by: No coloring

Plot

GW_M_g1000gm [g/1000]

GN_Calc_Gmm2 [grain/m2]

6

N/A

Accessing data in Germinate - Phenotypes

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CIMMYT IWIN

Trials data

Overview | Phenotype / Phenotype Chart | **Matrix** | Download

	A	B	C	D	G	H	I	J	K	L	M
1	#input=PHENOTYPE										
2	name	dataset_n	license_n	location_r	BM_Calc	Ant_dto_c	GFP_calc	GN_Calc	GrnSpk_C	GY_Calc	gm2 [g/t
3	6174886	CIMCOG	physiologic	OBREGON	1457.6	91.1	31.9	16196.9	50.2	678.1	
4	6000921	CIMCOG	physiologic	OBREGON	1529.1	87.7	30.7	14954.5	45.5	651.5	
5	6175024	CIMCOG	physiologic	OBREGON	1508.2	90	31.7	15509.5	54.6	687.3	
6	6176523	CIMCOG	physiologic	OBREGON	1443.7	92.4	32.2	14477.7	57.3	640.2	
7	4902859	CIMCOG	physiologic	OBREGON	1388.2	85.5	29	14242.7	47.5	640	
8	5390612	CIMCOG	physiologic	OBREGON	1381.6	80.2	31.5	16444.1	57.6	677.2	
9	6175208	CIMCOG	physiologic	OBREGON	1457.7	86.7	32.1	16103.2	62.1	668.7	
10	6177599	CIMCOG	physiologic	OBREGON	1447.8	92.4	32.4	18372.6	52.2	650.9	
11	4774392	CIMCOG	physiologic	OBREGON	1346.8	85.2	31.2	14107	50.4	667.5	
12	6176178	CIMCOG	physiologic	OBREGON	1546.3	89.7	31.5	17149.3	48	691.3	
13	775	CIMCOG	physiologic	OBREGON	1331.7	86.2	30	16263.8	55	588.9	
14	2465	CIMCOG	physiologic	OBREGON	1247.2	88.5	31.5	15374.2	43.3	524.6	
15	3895	CIMCOG	physiologic	OBREGON	1338.1	89.7	30.7	16797	53.3	643.4	
16	16122	CIMCOG	physiologic	OBREGON	1387	88.1	29.3	19059.2	49	661.4	
17	41948	CIMCOG	physiologic	OBREGON	1329.5	85.7	31.9	14351	41.9	610	
18	447647	CIMCOG	physiologic	OBREGON	1427.5	91.2	32	15129.7	47.3	653	
19	3585839	CIMCOG	physiologic	OBREGON	1358	89.7	30.8	17041	55.7	636.7	
20	3686333	CIMCOG	physiologic	OBREGON	1375.5	85.5	31	15568.5	48.4	592.7	
21	4313703	CIMCOG	physiologic	OBREGON	1405.7	87.4	30.6	15517.4	44.5	636.5	
22	4556647	CIMCOG	physiologic	OBREGON	1390.8	86.3	32.7	13445.5	54.6	623.7	
23	4883021	CIMCOG	physiologic	OBREGON	1428	85.2	30.6	13633.7	41.1	591.2	
24	4885592	CIMCOG	physiologic	OBREGON	1283.7	84.5	31	13295.2	50.5	561.5	



Accessing data in Germinate - Datasets

Germinate 3
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CIMMYT | IWIN

Internal datasets

Internal datasets are datasets we hold locally in Germinate. They can be used to export, e.g., genotypic or phenotypic data. The table below shows a list of all internal datasets that are visible to you.

Id	Dataset Description	Experiment Type	Experiment Name	Data type	License description	Contact	End Date	Date	Size	Data points
1	The Breeders 35K Axiom array results for 60 CIMCOG lines	genotype	CIMCOG 35K Axiom Array Genotypic Results			Simon Griffiths (simon.griffiths@jic.ac.uk)				

Attributes

Attributes


Project name A Genetic Diversity Toolkit to Maximise Harvest Index by Controlling the Duration of Developmental Phases

Project ID IWYP25


Close





Accessing data in Germinate – Environmental data



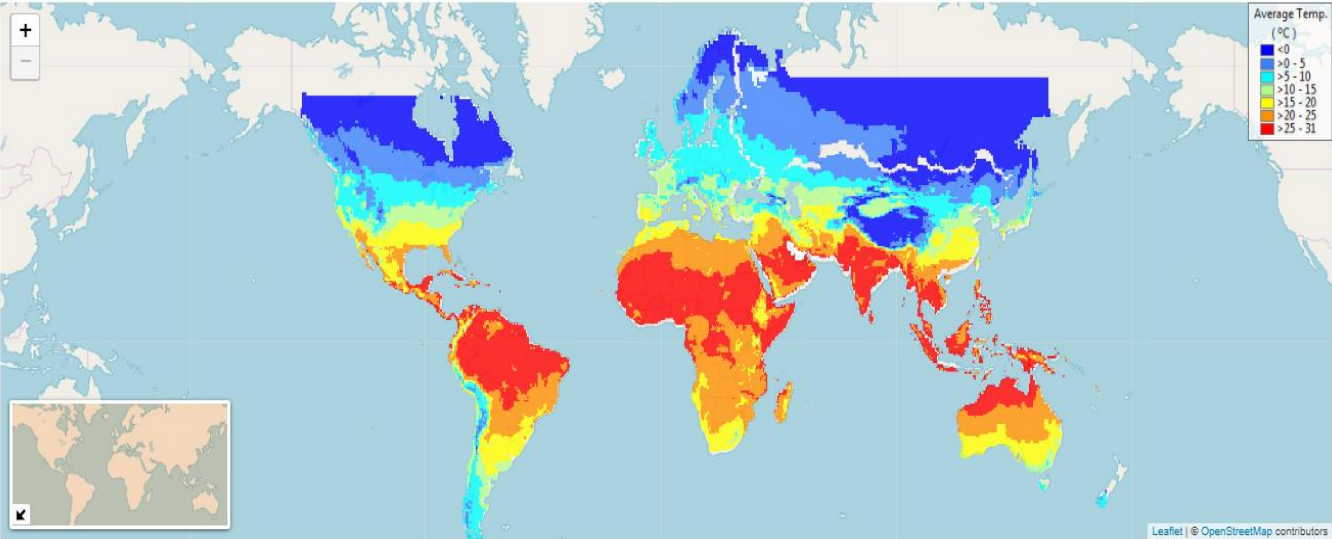
v3.4.0



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Collecting site map



Average Temp. (°C)

Color-coded detailed data

Id	Collecting site	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
26	OBREGON	14.54	17.39	18.62	21.17	23.02	29.85	31.47	30.19	29.30	28.01	21.93	17.13

Low High



Accessing data in Germinate - Groups

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Id	Name	Group Description	Type	User	Size	Created on
45	32SAWSN	32nd Semi-Arid Wheat Screening Nursery	Accessions	Rosemary Shrestha	197	23/02/2018
42	3WYCYT_IWIN	3rd Wheat Yield Consortium Yield Trial - Comprises novel elite germplasm designed to combine specific physiological traits associated with increased yield potential	Accessions	Alma Carolina Rivera Amado	40	07/12/2017
2	CIMCOG	60 elite lines of high-yielding potential from CIMMYT-Mexico Core Germplasm set (CIMCOG)	Accessions	Alma Carolina Rivera Amado	60	30/10/2017
44	Germplasm_RS	Germplasm group created by RShrestha	Accessions	Rosemary Shrestha	10	23/02/2018
24	HIBAP	High Biomass Association Panel (HiBAP)Y16 - 150 Spring genotypes with favorable expression of biomass identified from the World Wheat Collection	Accessions	Alma Carolina Rivera Amado	148	07/11/2017

CIMMYT IWIN



Adding a group

Germinate 3

v3.4.0

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CIMMYT IWIN

Add new group

Select group type:

Accessions

Name

CRivera

Group Description

test

Add

Group members CRivera

Is public?

No

Group Description

test



Id

GID

Accession Name



Delete



Upload

Upload

Search for items Use the table filter or just browse the table

	Id	GID	Accession Name	Synonyms	Collector
<input type="checkbox"/>	1	6119993	6119993		
<input type="checkbox"/>	2	5106304	5106304		
<input type="checkbox"/>	3	8066742	8066742		

Cancel

Upload

IYT MR

What's new in Germinate v3.5?

Germinate 3

v3.5.0



Accession Information

Select an accession name below to view further information for that accession. This database contains data such as geographical collection site data, breeders data and genotypic and field trial data although this may not be available for all accessions.

Column sorting applies to all columns.

Version 3.5 will be available in April 2019

and back arrows :

Tools to export data can be found at the foot of the accessions table.

Id	GID	Accession Name	Entity type	Subtaxa
2001	CACTUAR-1-SAMPLE20	CACTUAR-1-SAMPLE20	Plant/Plot	Cactiiae
2002	CACTUAR-1-SAMPLE7	CACTUAR-1-SAMPLE7	Plant/Plot	Cactiiae
2003	CACTUAR-1-SAMPLE18	CACTUAR-1-SAMPLE18	Plant/Plot	Cactiiae
2004	CACTUAR-1-SAMPLE2	CACTUAR-1-SAMPLE2	Plant/Plot	Cactiiae
2005	CACTUAR-1-SAMPLE23	CACTUAR-1-SAMPLE23	Plant/Plot	Cactiiae
2006	CACTUAR-1-SAMPLE16	CACTUAR-1-SAMPLE16	Plant/Plot	Cactiiae
2007	CACTUAR-1-SAMPLE10	CACTUAR-1-SAMPLE10	Plant/Plot	Cactiiae

genotypic and field trial data.



Accessing data in Dataverse

<https://data.cimmyt.org/dataverse/iwypdvn>

Home User Guide Support Sign Up Log In

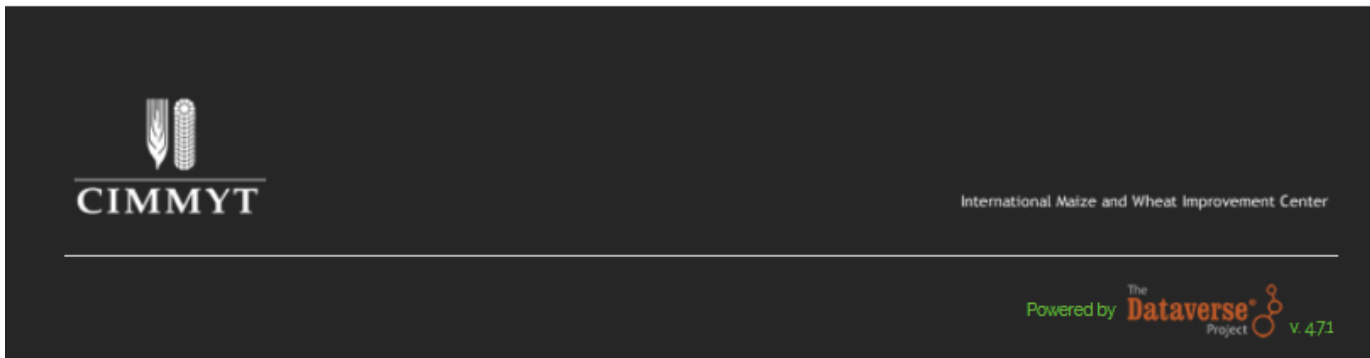
➔ Log In

Email → Username/Email

IWYP site psw → Password

Log In

[Forgot your password?](#)



Acce

Dataverse

The image shows a composite of several web interface elements from the Dataverse Project website. At the top left, there is a navigation bar with a 'Home' link. Below it is the 'Dataverse Project' logo and a search bar. A sidebar on the left contains a 'Free, open access' section with a search box and a list of repository types: 'Repositories (0)', 'Datasets & Software (10)', and 'Files (62)'. Below this is a 'Publication Status' section with counts for 'Published (5)', 'Draft (4)', and 'Unpublished (3)'. A 'Publication Date' filter shows '2017 (7)' and '2018 (1)'. A 'Subject' filter is also present. The main content area features a 'User Guide' section with a 'Contents' list including 'Account Creation + Management', 'Remote Authentication', 'ORCID Log In', 'GitHub and Google Log In', 'My Data', 'Notifications', 'API Token', and 'Finding and Using Data'. A 'More...' link is visible below the 'Finding and Using Data' section. On the right side, there is a 'Search Data' section with a search bar and a 'Contact' button. Below this is a 'Dataset / Software' section with a '+ Add Data' button and a 'Sort' dropdown. At the bottom right, there is a 'using genotyping-' section with a 'Dataset / Software' button and a 'More...' link. The footer features the CIMMYT logo and decorative illustrations of corn and wheat stalks.

Home



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Free, open access

Search this datav

- Repositories
- Datasets & Software
- Files (62)

Publication Status

- Published (5)
- Draft (4)
- Unpublished (3)
- Deaccessioned (1)

Publication Date

- 2017 (7)
- 2018 (1)

Subject

- Repositories (0)
- Datasets & Software (10)
- Files (62)

Publication Status

- Published (5)
- Draft (4)
- Unpublished (3)

User Guide

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 - Browsing Dataverse
 - Saved Search
 - Using Data

Author Name

- Edwards, Keith (2)
- Gimeno, Jacinta (2)
- Griffiths, Simon (2)
- Reynolds, Matthew (2)
- Wingen, Luzie (2)

More...

More...

User Guide Support Carolina Rivera 1

Search Data

Contact Share

+ Add Data

Sort

Dataset / Software

using genotyping-

the hybrid crossing block using genotyping-by-sequencing (GBS) Network, DRAFT VERSION

Single Nucleotide Polymorphism (SNP) calls of parental lines grown in the hybrid

Accessing data in Dataverse

Metrics

300 Downloads

Contact Share



Populations Axiom SNPs Data - John Innes Centre Version 5.0

Griffiths, Simon, Winger, Luzie, Edwards, Keith, 2017, "Populations Axiom SNPs Data - John Innes Centre", hdl:11529/10996, CIMMYT Research Data & Software Repository Network, V5

Cite Dataset / Software

Learn about Data Citation Standards.

hdl:11529/10996

Permanent url

Description	...ing populations: ParagonxBaj, ParagonxBKACHU, ParagonxCIMCOG47, ...thetic, ParagonxMISR1, ParagonxPFAU, ParagonxSUP152, ParagonxWaxwing, CIMCOG26, WeebilxCIMCOG32, WeebilxCIMCOG49 and WeebilxCIMCOG53.
Subject	Agricultural Sciences
Keyword	Triticum aestivum, Agricultural research, Genotypes, Single nucleotide polymorphism, Molecular markers, 35K Axiom® array, CIMCOG, Paragon, Weebil
Notes	Subject: International Wheat Yield Potential Type: CIMMYT Project ;Subject: IWYP Type: CIMMYT Project Abbreviation;Subject: Global Wheat Program Type: CIMMYT Research Program ;Subject: GWP Type: CIMMYT Research Program Abbreviation;Subject: Wheat Type: CGIAR Research Program ;

Files

Metadata

Terms

Versions

Accessing data in Dataverse

The image shows a screenshot of a Dataverse record page. At the top, there are navigation tabs: 'Files', 'Metadata', 'Terms', and 'Versions'. The 'Metadata' tab is selected and highlighted with a dashed orange box. To the right of the tabs is an 'Export Metadata' button, also highlighted with a dashed orange box. The main content area is a table of citation metadata. Overlaid on this page are several green callout boxes, each containing text that points to specific data types or features available in the record. The callouts are: 'Phenotypic data' (top right), 'Genotypic data' (middle right), 'Climate data' (middle right), 'Field maps' (middle right), 'Protocols' (middle right), 'Images' (bottom right), 'Videos' (bottom right), 'GIS maps' (bottom right), 'External links' (bottom center), 'Locations' (bottom right), 'ORCID ID' (middle left), 'Crop Ontology' (middle left), and 'AGROVOC' (bottom left). The metadata table includes fields such as Dataset Persistent ID, Publication Date, Title, Subtitle, Author, Contact, Description, Subject, Keyword, and Notes.

Citation Metadata	
Dataset Persistent ID	hdl:11529/10996
Publication Date	2017-09-28
Title	Populations Axiom SNPs Data - John Innes Centre
Subtitle	Paragon, Weebil and CIMCOG parents
Author	Griffiths, Simon (JIC) Wingen, Luzie (JIC) Edwards, Keith (University of Bristol)
Contact	Use email button above to contact. IWYP Data Coordinator (CIMMYT)
Description	The Breeders' 35K Axiom® array results for the ParagonxBaj, ParagonxBKACHU, ParagonxCIMCOG47, ParagonxCIMCOG49, ParagonxCIMCOGSynthetic, ParagonxPFAU, ParagonxSUP152, ParagonxWaxwing, ParagonxWYAL, WeebilxCIMCOG03, WeebilxCIMCOG04, WeebilxCIMCOG05, WeebilxCIMCOG49 and WeebilxCIMCOG53. (2017)
Subject	Agricultural Sciences
Keyword	Triticum aestivum (AGROVOC) http://aims.fao.org/aos/agrovoc/c/triticum-aestivum Agricultural research (AGROVOC) http://aims.fao.org/aos/agrovoc/c/agricultural-research Genotypes (AGROVOC) http://aims.fao.org/aos/agrovoc/c/genotypes Single nucleotide polymorphism Molecular markers 35K Axiom® array http://www.cerealsdb.uk.net/cerealsdb/axiom_download.php CIMCOG Paragon Weebil
Notes	Subject: International Wheat Genomes Project Global Wheat Program Type: CIMMYT Wheat Type: CGIAR Research Center for Wheat



Accessing data in Dataverse

Files Metadata **Terms** Versions

Terms of Use ^

Waiver

Our **Community Norms** as well as good scientific practices expect that proper credit is given via citation. Please use the data citation above, generated by the Dataverse.

No waiver has been selected for this dataset.

Terms of Use

PLEASE READ THIS CAREFULLY BEFORE ACCESSING DATA FROM THIS REPOSITORY

Agreement Acceptance Procedure

By clicking on the acceptance button which follows this Agreement, you indicate acceptance of this agreement. Such acceptance is on your own behalf, either as an independent individual or to perform your job duties/obligations, subject to the terms and conditions below.

If you do not accept these terms and conditions, you will not be able to access data from this repository.

AGREEMENT FOR ACCESS AND USE OF DATA FROM THIS REPOSITORY

1. Definitions

1.1 In this Agreement except where a different interpretation is clear from or necessary in the context, the following capitalised terms have the following meanings:

Data All the numbers, characters, values of qualitative or quantitative variables related to an item which are directly generated and/or captured from research-related activities as well as processed, aggregated, interpreted, commented, codified or in any way analysed data taking on a meaning (the latter referred to as Information) that the User is permitted to retrieve from the Database or other online resources under this Agreement. **Database** The online computer-based repositories of indexed data and collections of related data records (datasets) that constitute the databases that form part of the **IWYP** Research Data Repository. **Intellectual Property** Any law existing in any jurisdiction that protects the rights contained in Data and Database. **Provider** The International Maize and Wheat Improvement Center (CIMMYT) on behalf of the International Wheat Yield Partnership (**IWYP**). **User** The individual who has accepted this Agreement by downloading Data available in Database.

1.2 Headings are used in this Agreement for the convenience of the parties only and shall not be deemed to be any indications of the meaning of the clauses to which they relate.

1.3 In this Agreement:

1.3.1 words importing the singular number shall include the plural and vice versa

1.3.2 words importing any particular gender shall include all other genders

1.3.3 references to persons shall include bodies of persons whether corporate or incorporate

1.3.4 words importing the whole shall be treated as including a reference to any part of the whole

2. Use of the Data and Database



Accessing data in Dataverse

Files Metadata Terms **Versions**

[↔ View Differences](#)

	Dataset	Summary	Contributors	Published
<input type="checkbox"/>	5.0	Citation Metadata: Author (1 Changed); Additional Citation Metadata: (1 Added); View Details	Carolina Rivera	November 5, 2017
<input type="checkbox"/>	4.0	Citation Metadata: Author (1 Added); Terms of Use/Access Changed View Details	Carolina Rivera	November 5, 2017
<input type="checkbox"/>	3.0	Citation Metadata: Description (1 Changed); Keyword (6 Added); Terms of Use/Access Changed View Details	Carolina Rivera	October 16, 2017
<input type="checkbox"/>	2.0	Files (Added: 47; Removed: 16); View Details	Carolina Rivera	October 16, 2017
<input type="checkbox"/>	1.0	This is the first published version.	Rosemary Shrestha, Carolina Rivera	September 28, 2017

Versioning is available!



Thank you!

