

# ICIS Study Browser

**Mylah Anacleto**  
IRRI-CRIL Bioinformatics  
Software Engineering Team



# The Team

## GCP Data Source Developers

- Jeffrey Morales (ICIS data source + GDPC data source)
- Kevin Manansala (ICIS data source + Ontology data source)
- Barry Peralta (Gene Catalog)
- Yi Zhang (Microarray + ICIS Pedigree)
- Dags Barboza (Moby Client Data Source)

## Front-end Developers

- Manfred Cardenas (Phenotype/Trait Catalog)
- Joseph Hermocilla (GEMS)
- Mini May Medel (Grain Quality Website)



# CRIL team-members involved in ICIS study browser development

Setup of mysql and uploading of data

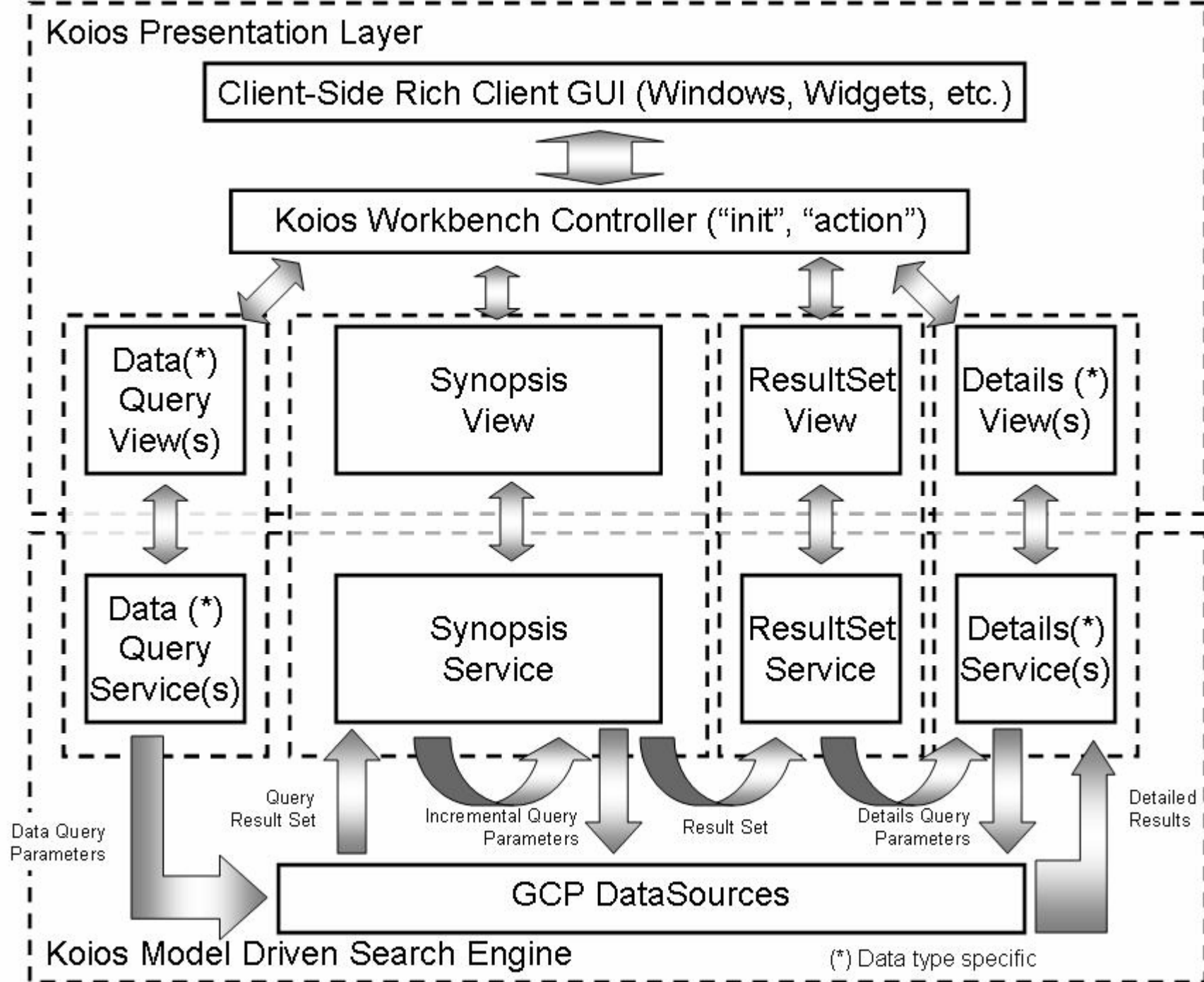
- Ching Habito – DBA (ICIS Technical Team)
- Jon Mendoza – Sys Ad (consultant)
- ICIS Technical Team (Arlet and Weng)

Backend (ICIS data source)

- Jeffrey Morales (ICIS data source + GDPC data source)
- Kevin Manansala (ICIS data source + Ontology data source)
  
- Manfred Cardenas (Front-end devt)

Great work everyone, Thanks!!!





# Documentation/Trackers

ICIS Portal, the next generation (use cases and screen design)

- [http://irfgc.irri.org/pantheon/index.php?option=com\\_content&task=view&id=152&Itemid=74](http://irfgc.irri.org/pantheon/index.php?option=com_content&task=view&id=152&Itemid=74)

Bugs/Feature submission and tracker

- [http://cropforge.org/tracker/?group\\_id=65](http://cropforge.org/tracker/?group_id=65)

Backup location

- Confidential 😊



Main Menu

- [Home](#)
- [News](#)
- [GCP Models](#)
- [GCP Ontologies](#)
- [GCP Use Cases](#)
- [GCP Components](#)

- Overview
- Data Sources
- Data Transformers
- Data Consumers
- Software Releases
- Applications
- Koios**
- Test Study Wrapper
- Genomedium

- [Pantheon Tutorials](#)
- [Contact Us](#)
- [Search](#)
- [FAQs](#)

New Articles

- [ICIS Portal - The Next Generation: Use Case #4](#)
- [Pantheon pages approaching Joomla!](#)
- [GCP Pantheon Use Cases](#)
- [How do I edit articles?](#)
- [Activities](#)

User Menu

- [Your Details](#)
- [Submit News](#)
- [Submit WebLink](#)
- [Check-In My Items](#)

ICIS Portal - The Next Generation

Written by  
Sunday, 17 February 2008

ICIS Portal - The Next Generation

*How to correct or update this document*

The next generation web portal of the [International Crop Information System](#) is based on Generation Challenge Programme (GCP) **Koios Workbench** components. This page describes the use cases and Koios-driven graphical user interfaces relating to the ICIS portal.

This is the location of the ICIS Study Browser prototype:  
(Accessible only within the IRRI Network)

For Rice data: [http://172.29.4.239/index.php?option=com\\_wrapper&view=wrapper&Itemid=55](http://172.29.4.239/index.php?option=com_wrapper&view=wrapper&Itemid=55)

For Wheat data: [http://172.29.4.239/MMS/index.php?option=com\\_wrapper&view=wrapper&Itemid=54](http://172.29.4.239/MMS/index.php?option=com_wrapper&view=wrapper&Itemid=54)

For Maize data: [http://172.29.4.239/MIS/index.php?option=com\\_wrapper&view=wrapper&Itemid=53](http://172.29.4.239/MIS/index.php?option=com_wrapper&view=wrapper&Itemid=53)

Operations on ICIS Germplasm

To be elaborated...

Operations on ICIS Studies

- [Global Use Case 1 - Retrieve and Save a Dataset from a Study](#)
- [Global Use Case 2 & 3- Filter Dataset with user-selected factor values and user-specified variate constraints](#)
- [Global Use Case 4- Filter for Dataset Matrix View with user-selected row headers, colukn headers and values](#)

Global Use Case 1 - Retrieve and Save a Dataset from a Study

The steps in this global use case are:

1. ➤ Display the list of available studies
  - **Use Case extension:** filter studies based on global study type.
2. ➤ Select a study and display its component datasets (ICIS "effects")
3. ➤ Select, retrieve and display a specified dataset of a study

Studies Tab

Step 1 and 2 of the studies global use case was implemented in a "Studies" tab of the ICIS web application (Figure 1). The tab displays an available list of studies and corresponding study description into a scrollable list box. The user may optionally restrict the list of studies to match an optional study type selection (multiple study type selection is permitted and no selections implies "all study types") and an optional (SQL wildcard) study title string.

TODD:

Study dataset.

### Dataset Tab

Step 3 of the studies global use case was implemented in a "Study Observation Units" tab (or Dataset tab) of the ICIS web application (Figure 2). The tab displays the result of a dataset loading operation in the form of a scrollable view of a table list of **observationUnit** entries, with the selected *Factor* level and *Variate* data values. It is assumed that a suitable paging mechanism should be provided for large datasets. The *Factor* and *Variate* values are sortable. Columns may also be shown/hidden (this option is shown by doing a right click on the table headers). Finally, users can view the resulting table as a tab-delimited text (another browser window is opened).

TODO: export into a convenient format like a PDF, CSV or HTML formatted report.

Figure 2.

Study Data type: Study  
 Study Id: 268  
 Study Name: IRLYN-E-1993: International Rainfed Lowland Rice Yield Nursery - Early-1993  
 Effect Unique Identifier: urn:lsid:irri.org:IRIS.Effect:663:1

Study Observation Units: 582 entries

GID	ICIS_LOCID	REPNO	TRIALNO	YEAR	NURSCODE	STUD
407864	10458	1	1	1993	090	IRLYN
407864	10458	2	1	1993	090	IRLYN
407864	10458	3	1	1993	090	IRLYN
419511	10458	1	1	1993	090	IRLYN
419511	10458	2	1	1993	090	IRLYN
419511	10458	3	1	1993	090	IRLYN
412845	10458	1	1	1993	090	IRLYN
412845	10458	2	1	1993	090	IRLYN
412845	10458	3	1	1993	090	IRLYN
385322	10458	1	1	1993	090	IRLYN
385322	10458	2	1	1993	090	IRLYN
385322	10458	3	1	1993	090	IRLYN
419675	10458	1	1	1993	090	IRLYN
419675	10458	2	1	1993	090	IRLYN
419675	10458	3	1	1993	090	IRLYN
59945	10458	1	1	1993	090	IRLYN
59945	10458	2	1	1993	090	IRLYN
59945	10458	3	1	1993	090	IRLYN

