

Project proposal 2006-16-5

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Project Leader

Guy Davenport (CIMMYT)

Collaborator(s)

R. Bruskiwich (IRRI) GCP core software developer team (IRRI, CIP, CIRAD, IRRI, NCGR)

Project Title

Genomedium interface for genotype, QTL and map data

Rationale

There is a need for a standalone 'rich client' graphical user interface for querying and visualising genomic data, such as QTL mapping, genotyping and gene expression data.

Project Category

Standalone graphical user interface

Deliverable Product(s)

An GCP Platform Compliant Eclipse RCP application that will query databases for genomic data, such as QTL mapping, genotyping and gene expression and either display or analysis the data with existing GCP Platform Compliant visualisation tools, such as DIVA and HPC-Structure or with third party tools such as CMTV and MaxD via ISYS and GCPC.

Proposed implementation strategy & technology

Standalone graphical user interface will be developed in Eclipse RCP and will use GCP DataSources to connect to GCP databases. The current GenoMedium prototype will be retrofitted to conform to the recently established GCP domain model.

Existing Prototype(s)

GenoMedium prototype was presented at the Pretoria Platform Developers meeting

Mode of Product Delivery

- Source code is available on <http://cropforge.org/project/GenoMedium>
- Releases will be made on the [GCP software portal](#)
- Eclipse RCP automated update will provided the [GCP update site](#)

Product Availability

- Prototype release in July
- First Release Candidate in August

Project Milestones/Timeline

Product Testers/Users

Marilyn Warburton, Susanne Dreisigacker, Yunbi Xu, Manilal William (CIMMYT)

GCP budget requested (US\$)

17,000

In-Kind Contribution

- Time of Guy Davenport and testers/users from CIMMYT

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