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Introduction :

URGI is an INRA bioinformatics unit dedicated to plants and pest genomics. We develop and maintain an information system called GnpIS, for plants of agronomical interest such as wheat and barley. GnpIS is composed by specific database modules for each data type.

Wheat

GnpIS contains a great amount of wheat public data. Some SNP and QTL are still private.

Data on public server	Data on private server
Number of physical maps	1
Number of genetic maps	21
Number of QTL	219
Number of markers	10062
Number of germplasms	1784
Number of phenotypes	14466
Number of SubSNP	10819
Number of EST	540213
Number of physical maps	1
Number of genetic maps	21
Number of QTL	504
Number of markers	10561
Number of germplasms	2114
Number of phenotypes	16844
Number of SubSNP	61888
Number of EST	599356

GNPIS

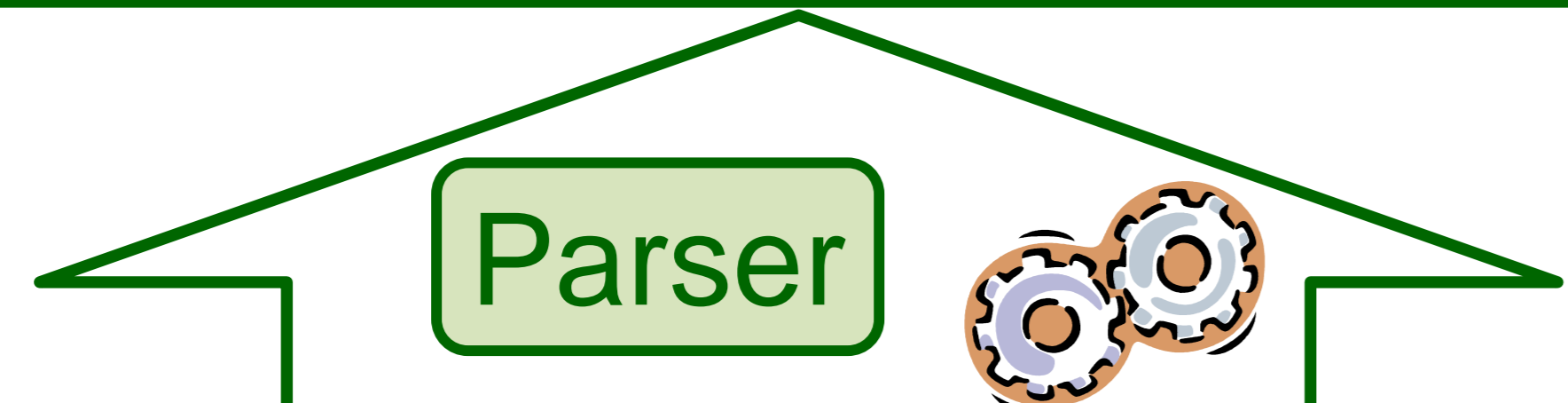


The URGI information System, GnpIS, relies on cutting-edge databases and datawarehouse technologies. It is accessed through a web-based system composed of relational databases that includes integrated schemes: [GnpSeq](#) (EST, mRNA, contigs), [GnpMap](#) (genetic maps, QTL maps, markers), [GnpArray](#) (microarray experiments), [GnpGenome](#) (genomic and sequence annotations), [GnpSNP](#) (SNP, insertion, deletion, SSR) and [Siregal](#) (germplasms, phenotypes).

Barley

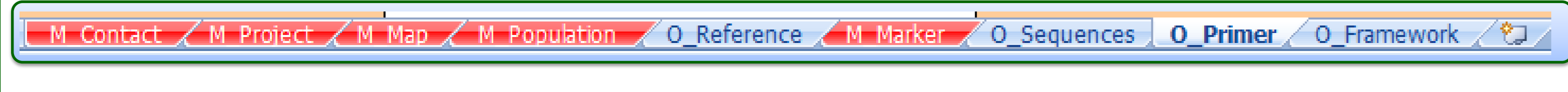
NEW : Barley data from TriticeaeGenome are available now.

Data on public server	Data on private server
Number of physical maps	0
Number of genetic maps	3
Number of QTL	0
Number of markers	7418
Number of germplasms	0
Number of phenotypes	0
Number of SubSNP	0
Number of EST	0
Number of physical maps	0
Number of genetic maps	3
Number of QTL	0
Number of markers	8918
Number of germplasms	0
Number of phenotypes	0
Number of SubSNP	73016
Number of EST	0



New submission format
Excel file with several sheets

- To simplify the submissions by our partner, we have developed a new file format. One file per data type is available now.
- Each file have several sheets :
 - **Mandatory sheets** are in red color and prefixing by "M_".
 - **Optional sheets** are without color and prefixing by "O_".



- **Mandatory columns** are in red color, and **optional columns** are in white color. Static data appear in scrolling list.

A	B	C	D	E	F	G
1	MarkerName	MarkerSequenceName	PrimerSequenceName	PrimerFastaFile	DbName	RefName
2						
3						
4						
5						
6						
7						
8						

Portal and Search

• **GnpIS portal :** a tool to access URGI databases or to search through all databases..

• **Quick search :** search through all databases and display search results as tabs.

• **Biomart :** allows complex queries over all databases.

Perspectives :

In the frame of important projects like TriticeaeGenome (FP7) and ARN 3Bseq project, GnpIS will be improved by new features and more data contents.

URGI wheat project : <http://urgi.versailles.inra.fr/index.php/urqi/Species/Wheat>

URGI web site : <http://urgi.versailles.inra.fr/>

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