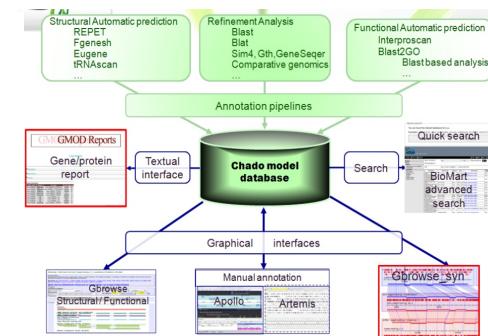
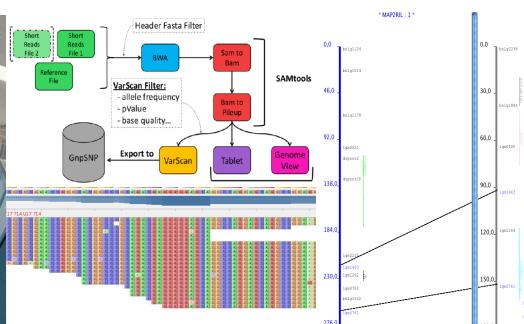


# TransPLANT / Elixir meeting

Hadi Quesneville  
1-2 July 2014



ALIMENTATION  
AGRICULTURE  
ENVIRONNEMENT

INRA

## Research Unit

- INRA unit (French National Institute for Agricultural Research)
- Plant breeding and Genetics Division
- Strong connexions with other plant INRA divisions
- ISO 9001



## Bioinformatic platform

- INRA « Strategic » (CNO)
- IBISA Grade, Member of the French National Network of Bioinformatic Platforms (ReNaBi)

## Research

- Data integration
- Genome structure and dynamics

# A bioinformatic unit for crop improvement

URGI DB  
« GnplS »



Phenotypes



Genetics



Genome

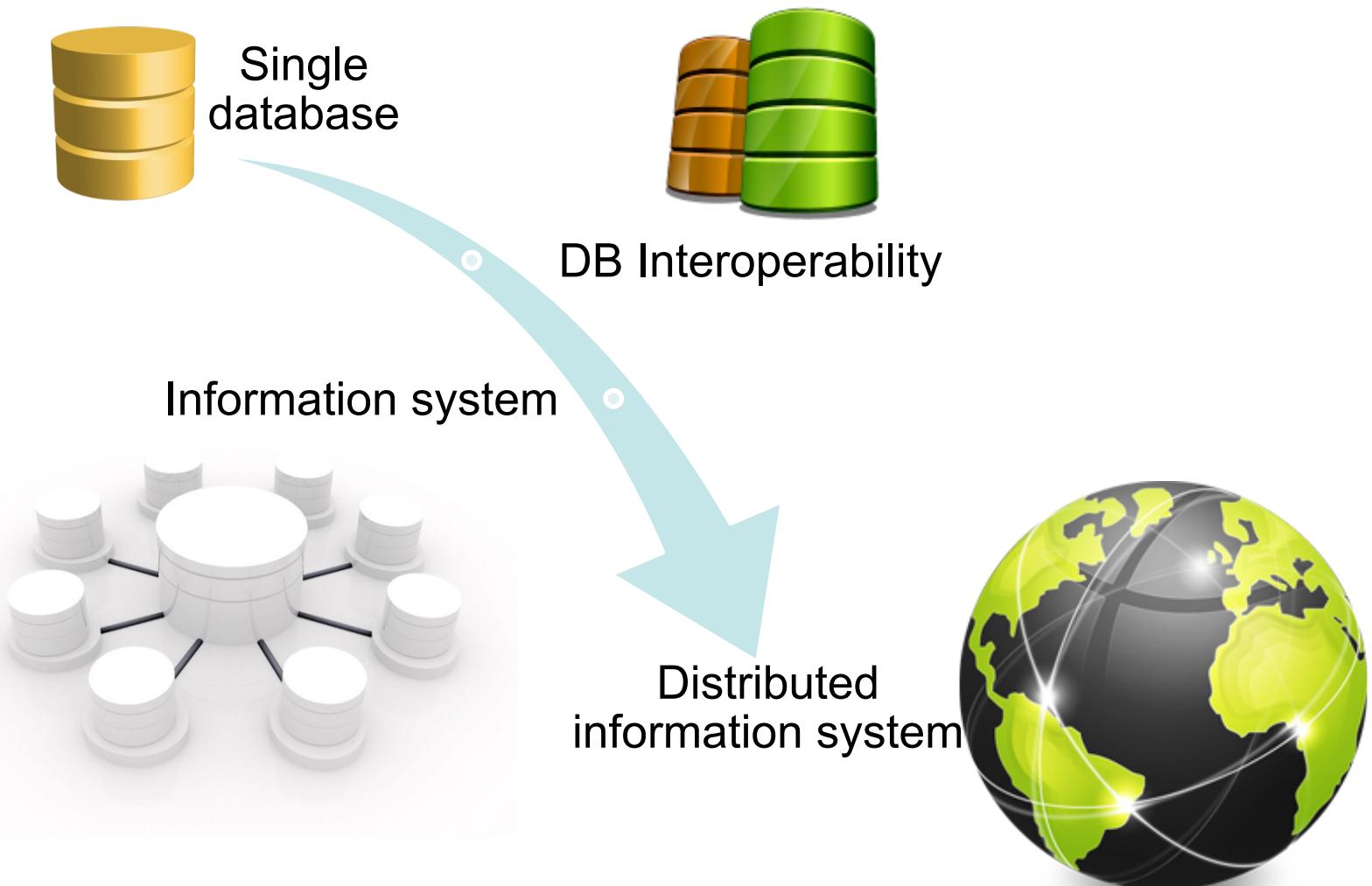
- Genetic maps
- Genetic markers
- Genetic resources

- Annotation
- Transcriptome
- SNP / Structural variant

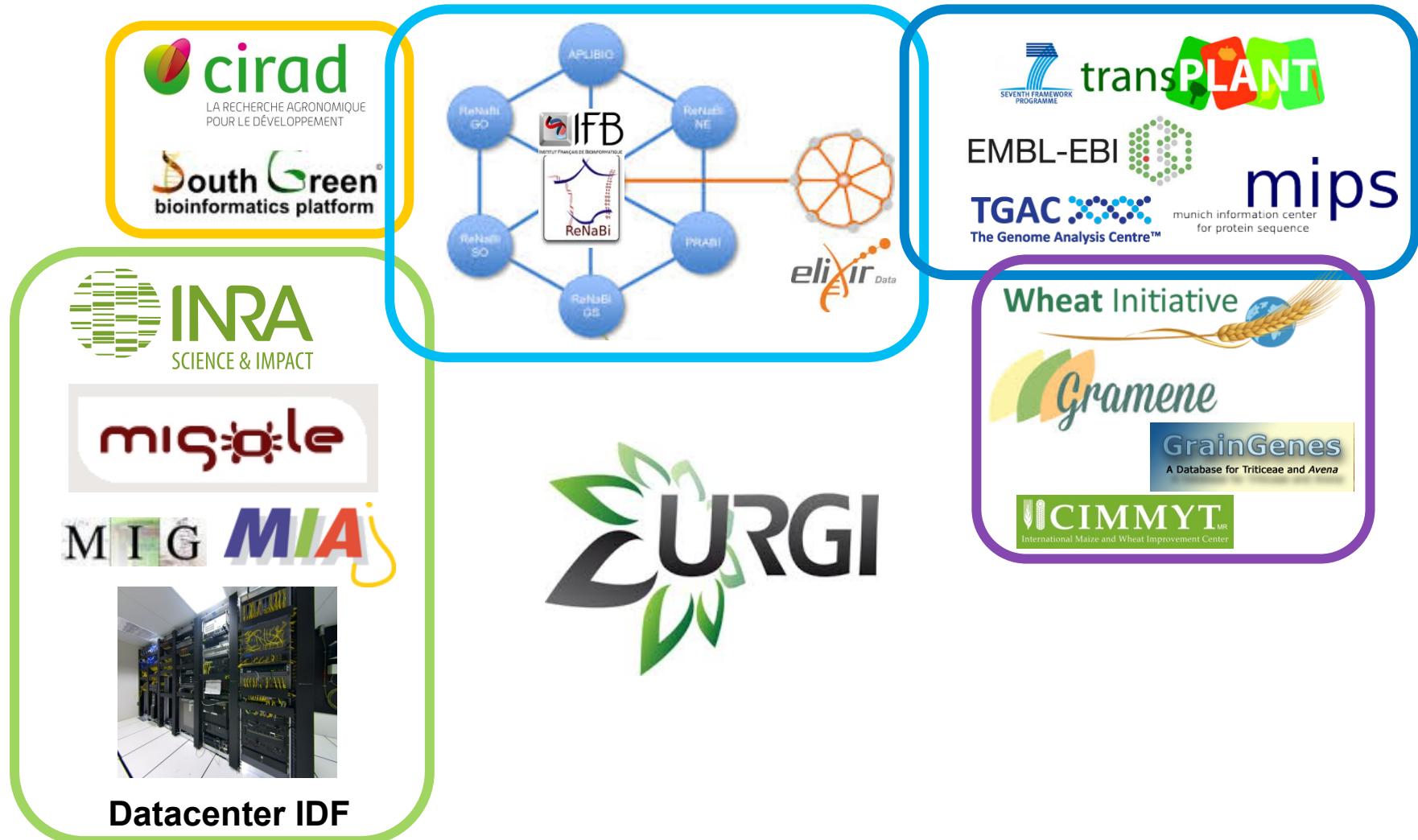
- GxE
- QTL maps
- GWAS

URGI  
Data & tools

# Information system evolution

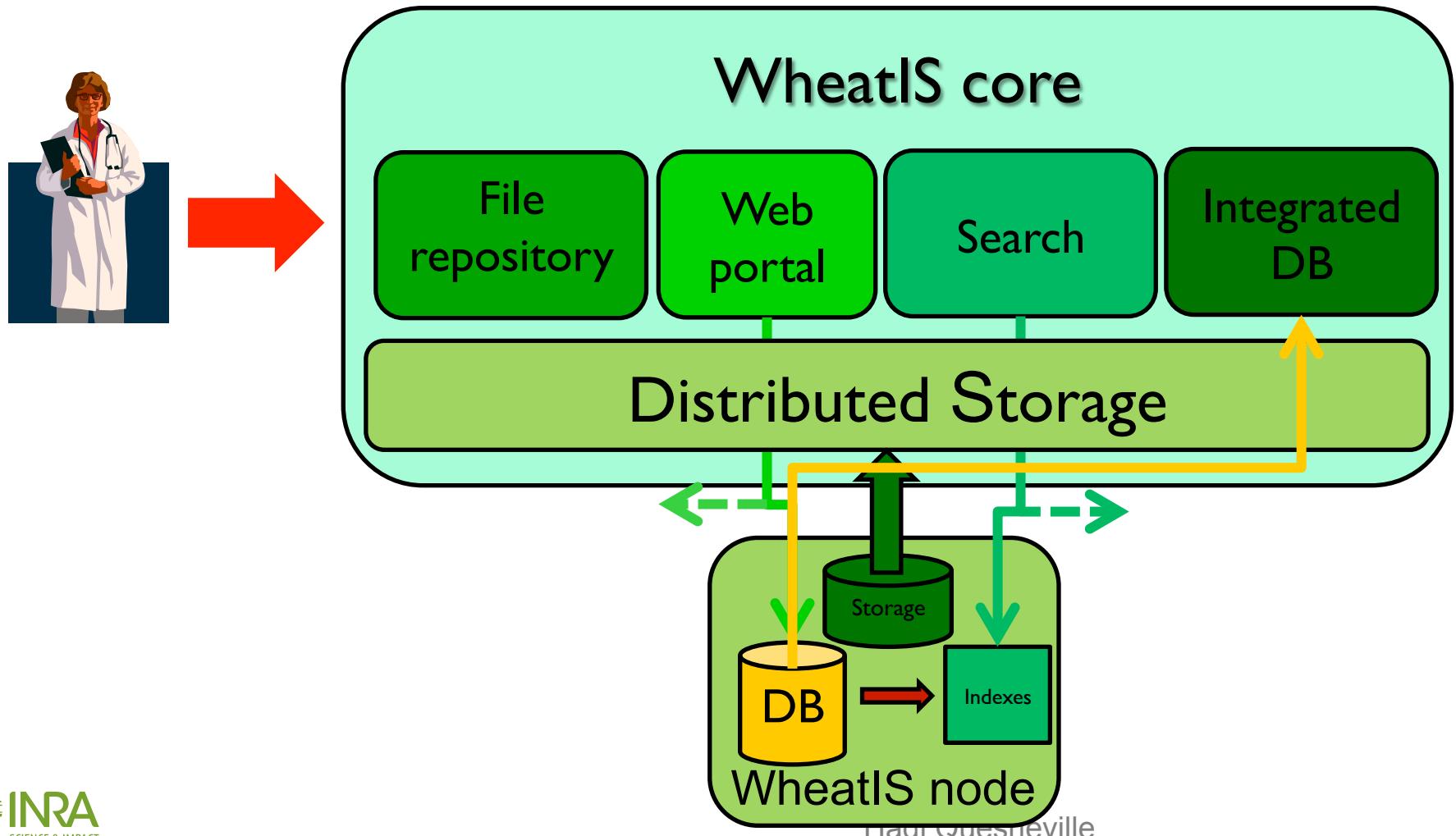


# Partnership network



# Data sharing

## *The WheatIS Architecture, a model of distributed IS*





# Expert Working Group establishment

**Chair:**

Hadi Quesneville

**Co-Chairs:**

Mario Caccamo (UK)

David Edwards (AUS)

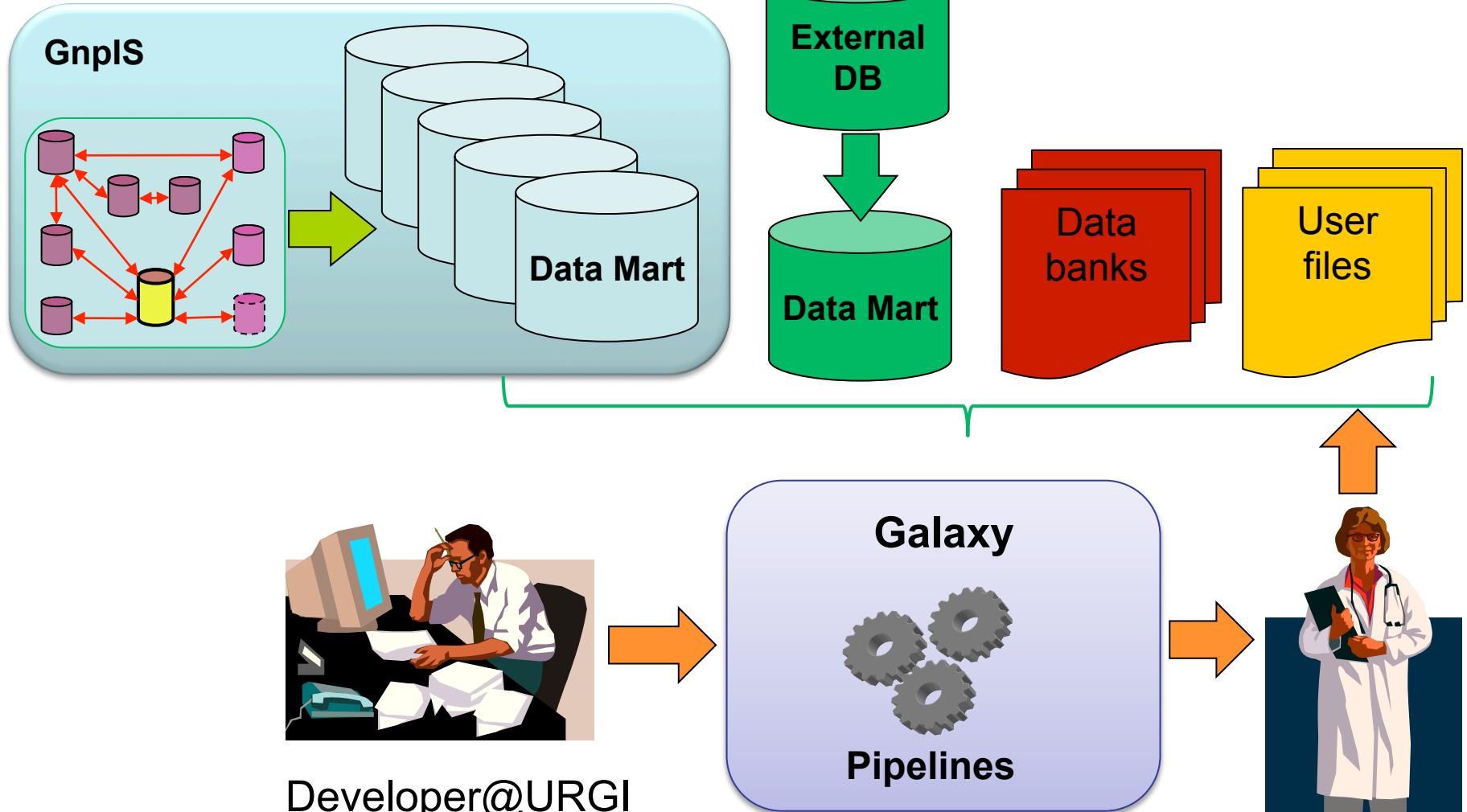
Gerard Lazo (USA)

**Expert Working Group members:**

Alaux Michael, Bastow Ruth, Baumann Ute, Clarke Fran, Dubcovsky Jorge, Edwards David, Herrero Javier, Itoh Takeshi, Kersey Paul, Marshall David, Martinez Cesar, Matthews Dave, Mayer Klaus, N'Diaye Amidou, Rawlings Christopher, Franck Röber, Doreen Ware



# Data Integration / data mining Workbench



Developer@URGI



Databases

Methods/Models

Tools

