

Casimir
Rome, 27-28.11.2007

Klaus Schughart, HZI Braunschweig
WP 8 , “User Interactions”

Objective of WP8

- **Involve users**
in defining queries, databases to
integrate & representation of results

*what are the needs of the “customer” to develop a good
tool & get attention/acceptance for the final project*

Individual steps

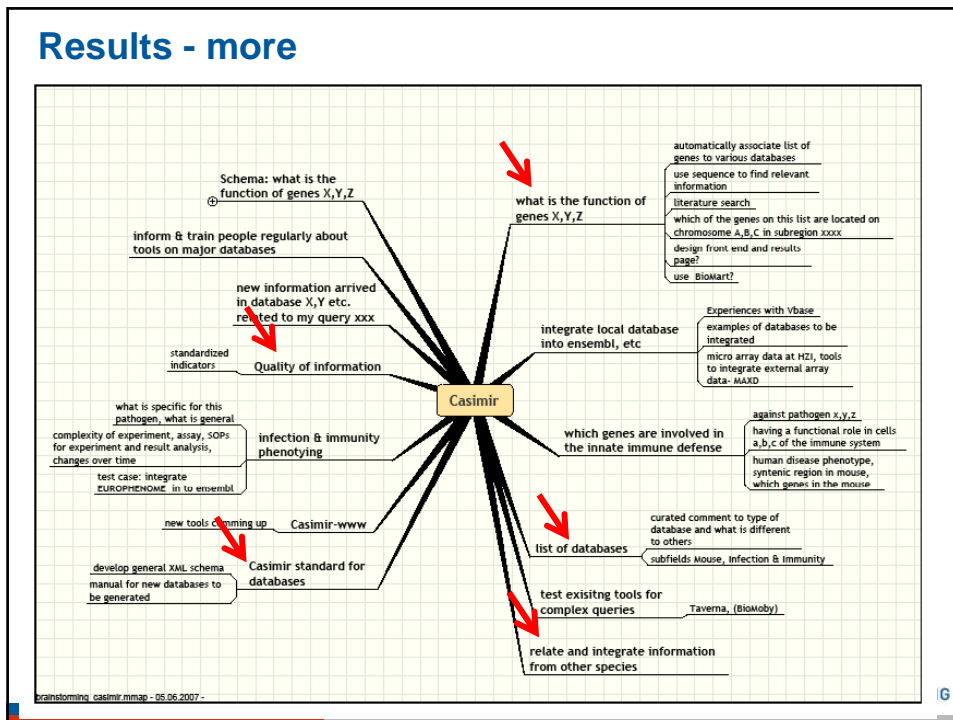
- Describe use cases for complex queries with focus groups
- Deliver use case to other WP
(to design test material to be published in internet)
- Collate & analyze user feedback to test material
- Results to other WPs to modify & generate pilot project
- Collate & analyze feedback of user groups to pilot project

- 3 different research areas for user cases
infection & immunity
development
cancer
others?

WP 8 meetings and work shops

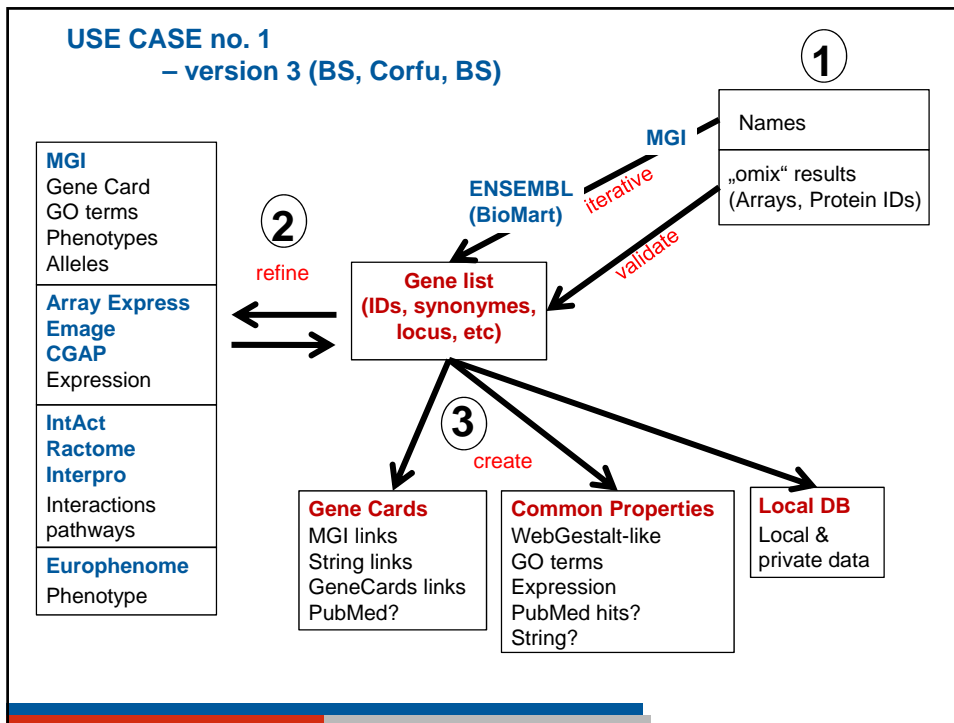
- **Braunschweig, 5.6.07**
"Infection and Immunity" > general use case
- **Corfu, 6.10.07**
Work package meeting
- **Braunschweig, 13.11.07**
Details of use case (users and bioinformaticians)
- **Rome, 26.11.07**
Working meeting to define technical issues to realize use case

Results - more



Use case - 3 general notions

- we will be dealing with a new “level” of data mining:
no longer single gene mining, but data mining with sets of genes
- therefore
allow to work with lists of genes, iterative queries and shopping carts
- We need to account for a high customization ...
- The “client” for the databases is the local bioinformatician
The final “User” (Endverbraucher) is the scientist requesting a customized user interface from the local bioinformatician
- An automated work flow will be essential
TAVERNA – Katy Wolstencroft



Use case documentation

Casimir WP 8 "User Interactions" - Design of use case

Meeting in Braunschweig, 13.11.07
 Participants: Klaus Schughart, Rudi Alberts (HZI), Morris Swertz (Univ. Groningen), Ida Retter (TU Braunschweig), Uwe Käst (HZI)

Contents:

- 1 Introduction.....1
- 2 Part 1: Selection of a gene list.....3
 - Approach A: Define the gene list by starting with gene names.....3

<http://www.informatics.jax.org/>

<http://www.genenetwork.org/> -> in ANY fill 'oas.' and push 'search'.

http://string.embl.de/newstring.cgi/show_input_p_Lxd1DklWsgo

<http://www.webgestalt.org/>

8

Next steps

- Rome (26.11.07)
 - defined the use case
 - develop it at two levels
 - bioinformatics level (Taverna Workflows, etc.)
 - web-Interface for users
- Follow up in 6 months (WP5 & 8 work shop meeting in BS)
- Present demo & show rooms at (IMGC, CTC, ISBM)
- Publish use case
- Get feed-back from users

- Use cases for...
 - Infection & Immunity >> gene-centric generic use case
 - Development, Immunology, Cancer?*
 - Phenotype-centric? (EuroPhenome, Immune-related phenotypes)
 - Create entry side for human geneticists

9

Taverna: A Workbench for the Design and Execution of Scientific Workflows

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