

BMT/13/17

ORIGINAL: English

DATE: November 3, 2011

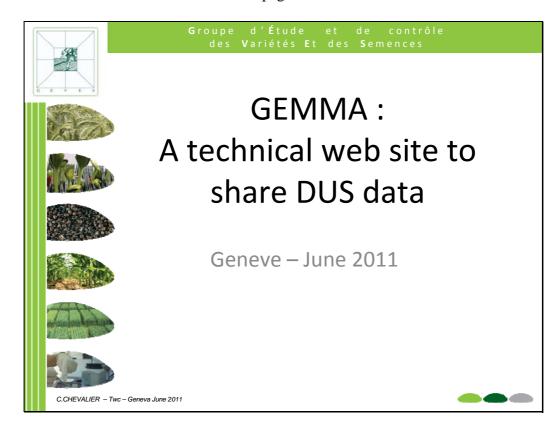
INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS GENEVA

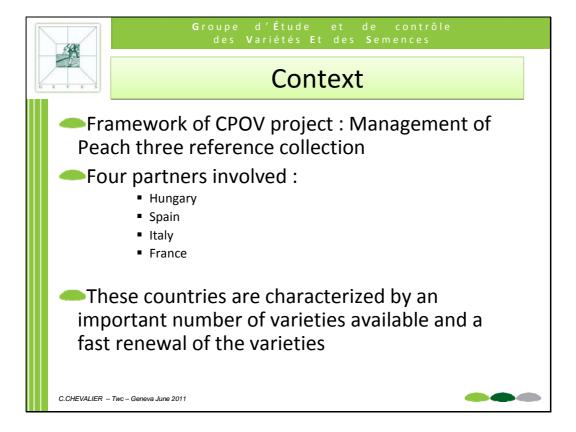
WORKING GROUP ON BIOCHEMICAL AND MOLECULAR TECHNIQUES, AND DNA-PROFILING IN PARTICULAR

Thirteenth Session Brasilia, November 22 to 24, 2011

GEMMA: A TECHNICAL WEB SITE TO SHARE DUS DATA [TWC/29/24]

Document prepared by experts from France







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Context

- Clearly, developing means of "managing" reference collections is highly desirable
- Therefore, this project will generate a database compiling at first stage 522 peach tree varieties, selected among the European granted and listed varieties:
 - Phenotypic data (Qualitative, Quantitative)
 - Digital pictures
 - Molecular data (Using a common set of SSR markers)
- The database produced will be available to the partners of the project for all the studies aiming at the improvement of the quality of the identification of varieties
- This database could also be used for other species

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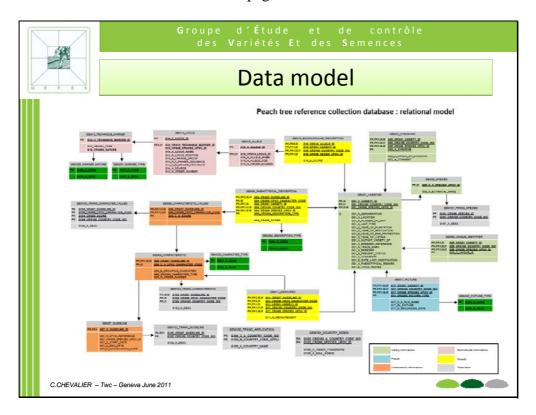


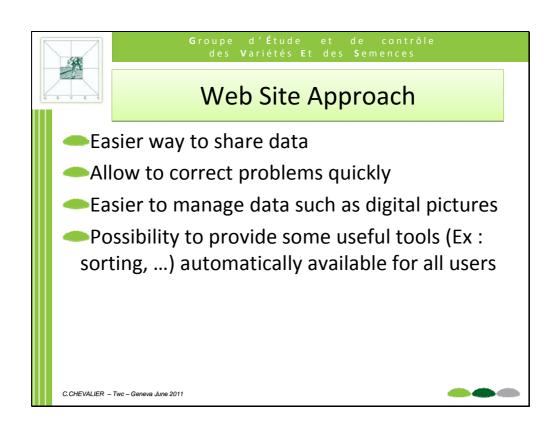
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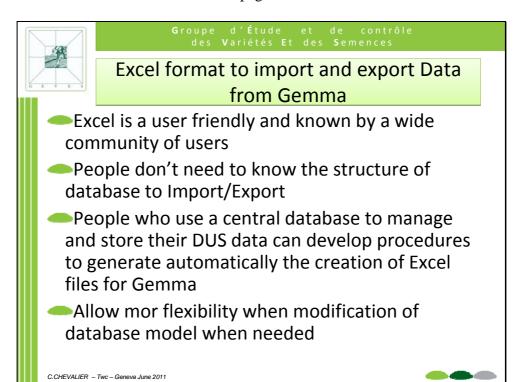
Data model

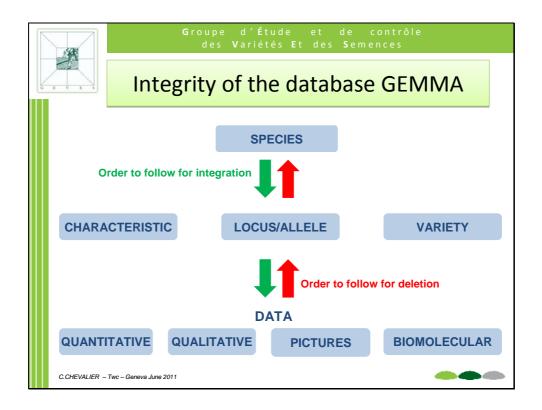
- A good starting point: The database structure developed for maize by Spain, Germany and France, in the frame of the programme CPV4961 supported by CPVO in 2003-2005
- Adapt this database structure
 - To integrate different type of data (Molecular data + Digital pictures) whatever the couple Species/Country
 - To support multi language
 - To define access rights

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Defining access rights to the database GEMMA

- The system of rights access is based on three differents levels
 - Administrator access that allow to manage all data of specific couple Species/Country
 - User restricted access that require a specific Account/Password
 - Public access that not require a specific Account/Password

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Defining access rights to the database GEMMA

- The data administrator can associate existing user accounts to a given couple (speciesxcountry)
- For each variety, the data administrator can also indicate :
 - Other administrator accounts to which he grants the display right
 - Level access :
 - 1 = Public access level
 - 2 = Restricted access level
 - 3 = Administrator access level

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Defining access rights to the database GEMMA

- If a variety has an access level = 1, everyone can see the variety
- If a variety has an access level = 2, only user and administrators accounts defined by the data administrator of the couple Species/Country, will see the variety
- If a variety has an access level = 3, only administrators accounts defined by the data administrator of the couple Species/Country, will see the variety

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Demonstration of web site GEMMA

- Data management :
 - Species
 - Characteristics
 - Locus / Alleles
 - Varieties
 - Measured data, Phenotypic data, Molecular data, Digital pictures
- Display, Sort, Export data

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