

TWC/28/28 ORIGINAL: English DATE: June 22, 2010 F

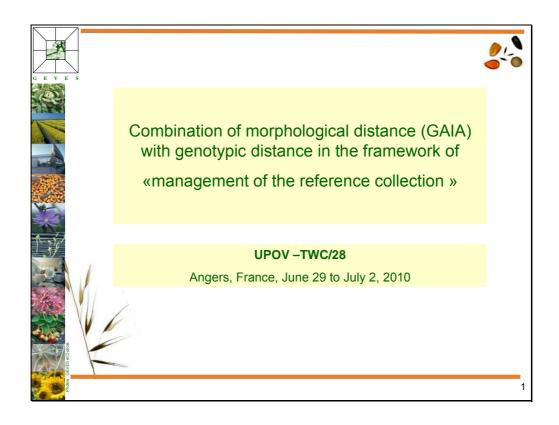
INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS GENEVA

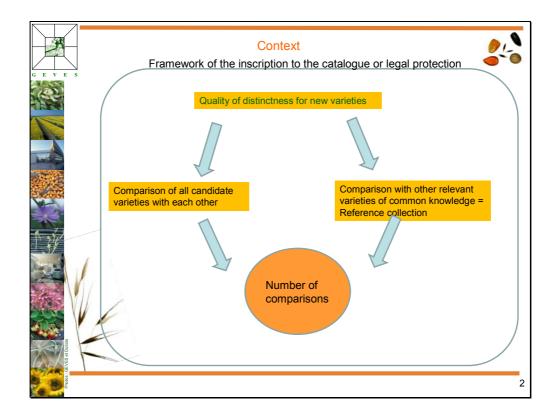
TECHNICAL WORKING PARTY ON AUTOMATION AND COMPUTER PROGRAMS

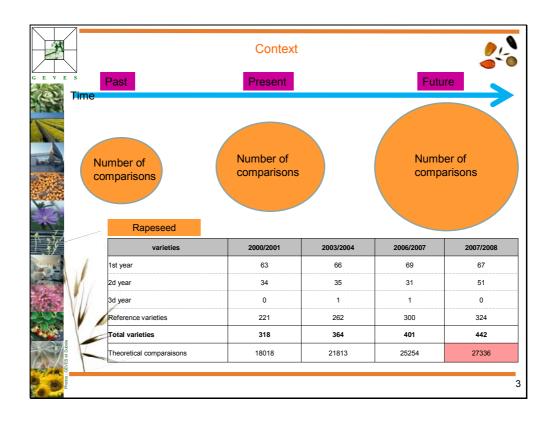
Twenty-Eighth Session Angers, France, June 29 to July 2, 2010

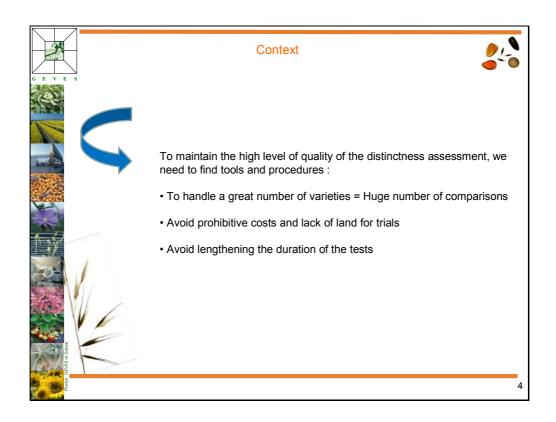
COMBINATION OF MORPHOLOGICAL DISTANCE (GAIA) WTH GENOTYPIC DISTANCE IN THE FRAMEWORK OF "MANAGEMENT OF THE REFERENCE COLLECTION"

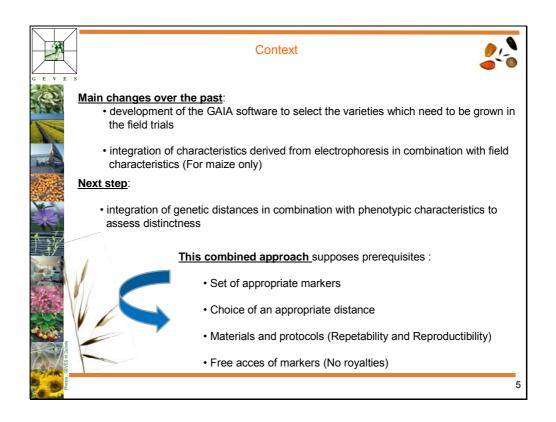
Document prepared by experts from France

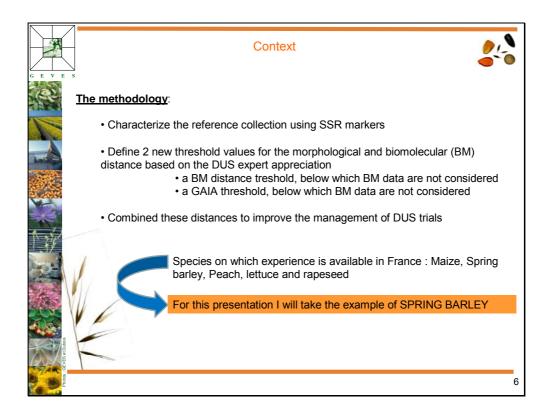




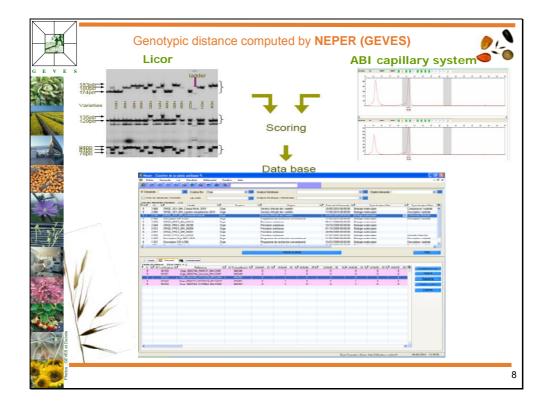


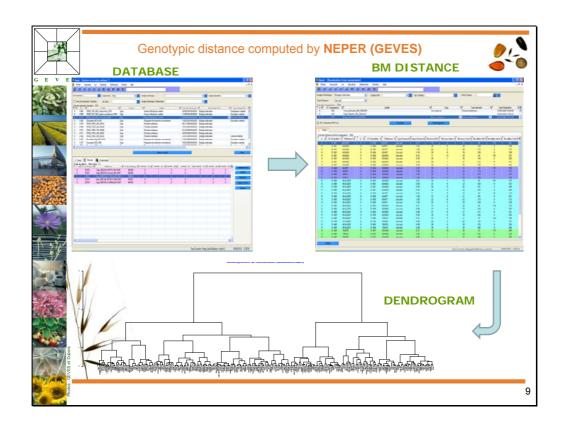


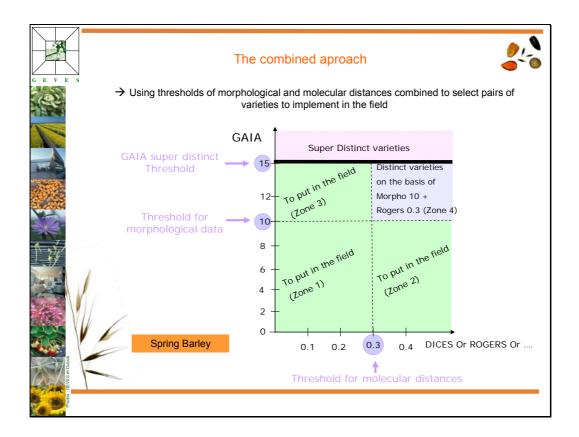


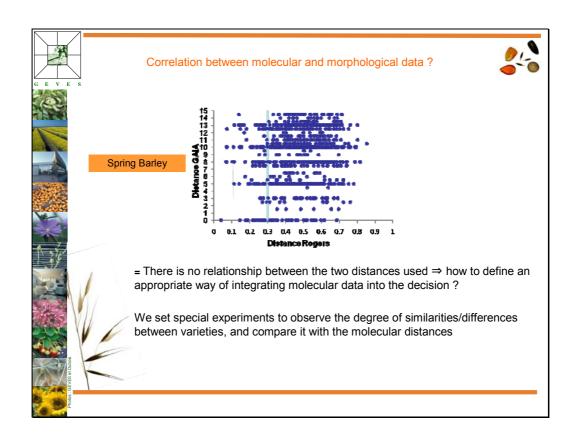


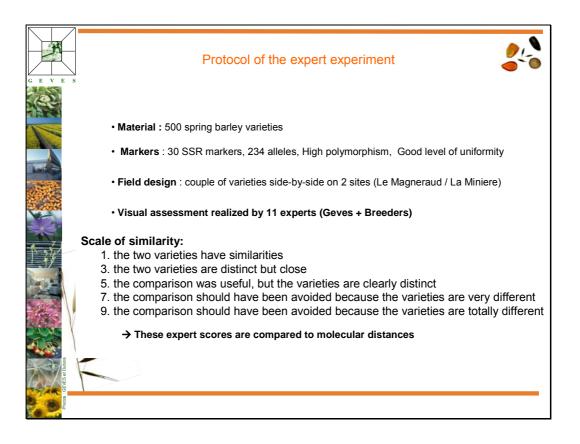
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G E V E S	Software GAIA was developed by GEVES to optimize the distinctness tests while using knowledge of the crop experts in distinctness.								
	The principle of the characteristic, diffe Nb: Observed diffe experts. Varieties are comp addition of weightin threshold value (di If two varieties are considered to be la	erences weighted arences have a z mared pair-by-pain ngs (phenotypic of stinction thresho declared "GAIA	l by intensity and ero weight if not r, and two varieti distance) accord ld= Sdist) define u-distinct", it me	I reliability of considered n es are declar ing to differen d by the crop ans the pher	each cha no reliable red "GAI nces is gr expert. notypic dis	racteristic. by the cro A-distinct' reater than stance is	p " if the a		
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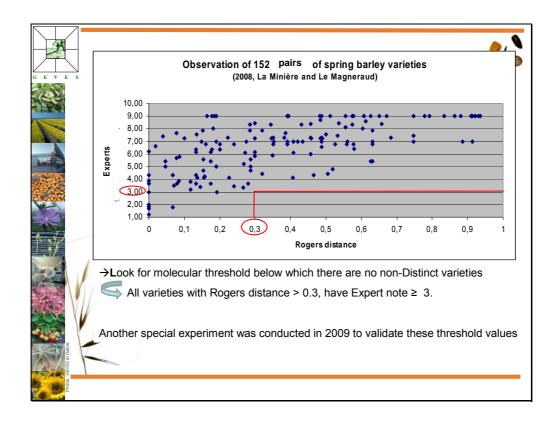


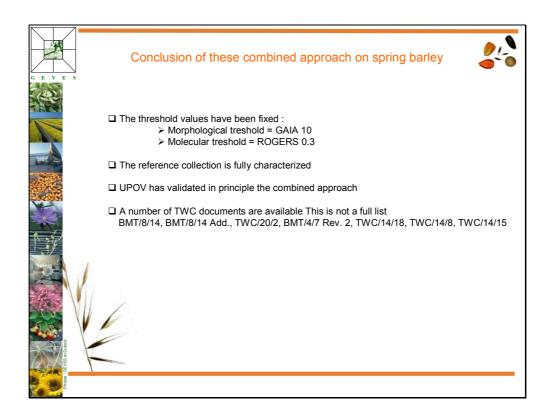






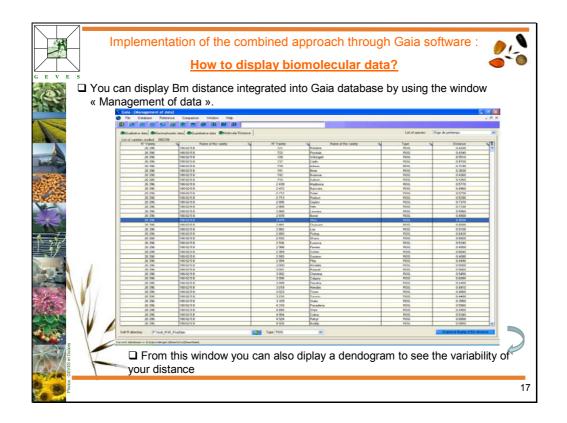


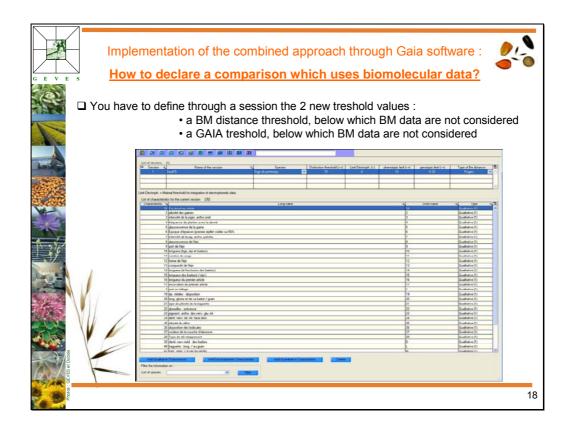


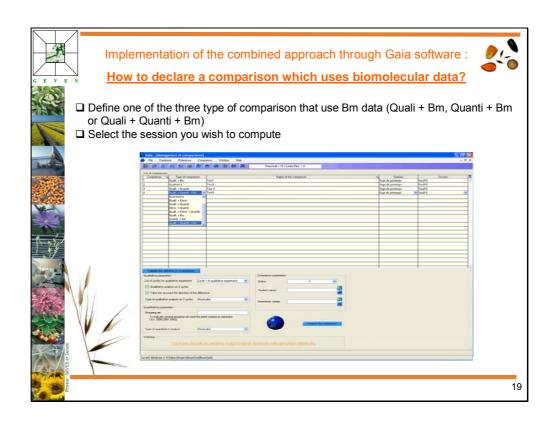


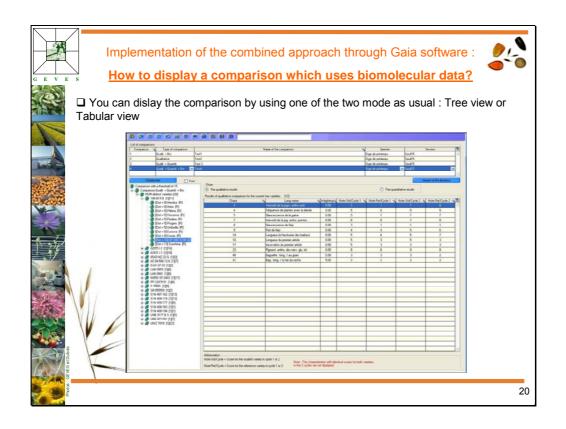
	mplementation of the combined approach through Gaia software : <u>How to integrate biomolecular data?</u> efore integration, you have to define types of distance that you want to manag irough the window «Management of Bm distance »	e
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Hobs: GEVES et		15

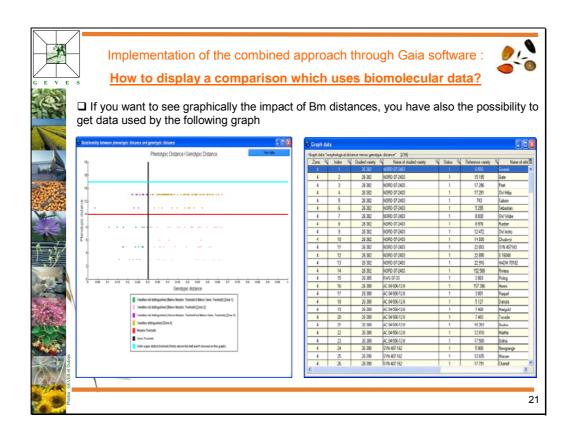
		itation of the combined a		a software :
	 New Tab in the Gaia excel file call Biomolecular Distance » 			Integrate the Gaia excel file by using the same screen « Importation of all data from an Excel file »
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