



TWC/30/30 Add. ORIGINAL: English DATE: June 21, 2012

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS Geneva

TECHNICAL WORKING PARTY ON AUTOMATION AND

COMPUTER PROGRAMS

Thirtieth Session

Chisinau, Republic of Moldova, June 26 to 29, 2012

ADDENDUM

TRANSFORMATION OF MEASUREMENTS INTO NOTES FOR VARIETY DESCRIPTIONS: SUMMARY OF DIFFERENT APPROACHES

Document prepared by the Office of the Union

1. The Technical Committee (TC), at its forty-eighth session, held in Geneva from March 26 to 28, 2012, considered the revision of document TGP/8 "Trial Design and Techniques Used in the Examination of Distinctness, Uniformity and Stability" on the basis of document TC/48/19 Rev. It also agreed that the Office of the Union should summarize the different approaches set out in Annex VIII to document TC/48/19 Rev. with regard to aspects in common and aspects where there was divergence. As a next step, on the basis of that summary, consideration could be given to developing general guidance (see document TC/48/22 "Report on Conclusions", paragraphs 49 and 52).

2. Annex to this document contains a summary of different approaches used for data processing for the assessment of distinctness and for producing variety descriptions, which will be presented by the Office of Union at the Technical Working Party on Automation and Computer Programs (TWC) at its thirtieth session.

[Annex follows]

TWC/30/30 Add.

ANNEX

Technical Working Party on Automation and Computer Programs Thirtieth Session

TRANSFORMATION OF MEASUREMENTS INTO NOTES FOR VARIETY DESCRIPTIONS

SUMMARY OF DIFFERENT APPROACHES

Chisinau, Republic of Moldova June 26 to 29, 2012

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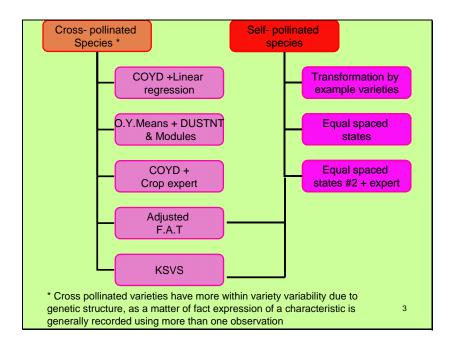
2

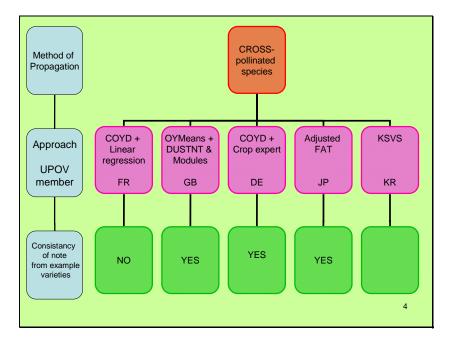
OVERVIEW/ CONTEXT/ BACKGROUND

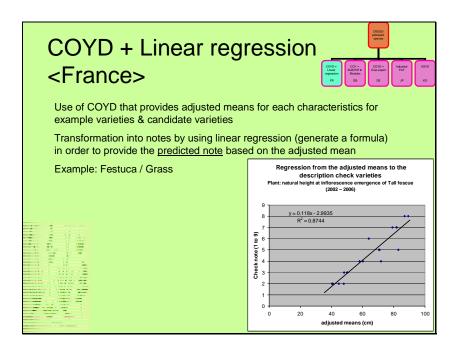
• In order to produce a summary of <u>different</u> <u>approaches</u> on data processing

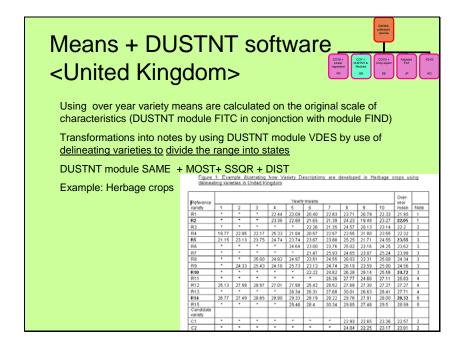
(see document TC/48/22 "Report on conclusions", paragraph 52)

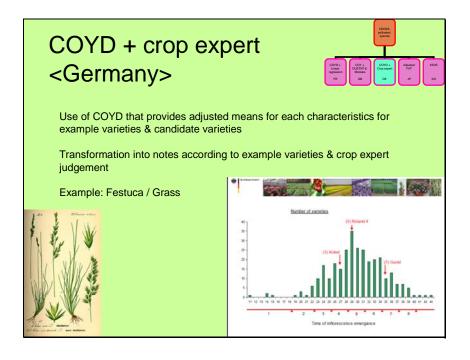
- For transforming means into notes
- For Quantitative (<u>QN</u>) characteristics recorded by measurements (<u>M</u>)
- In order to <u>develop a common guidance</u> and harmonized processes

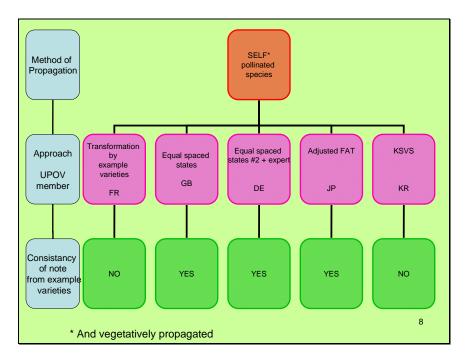


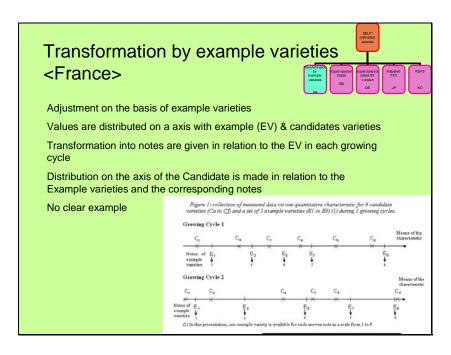


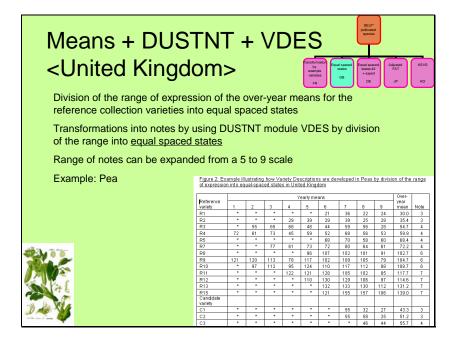










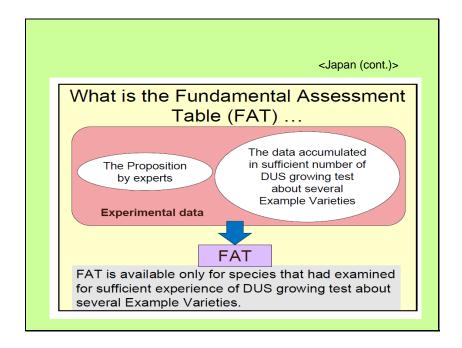


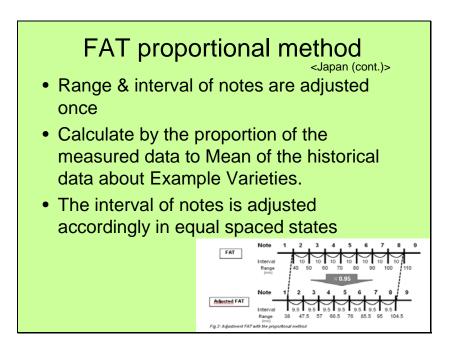
Equal space <germany></germany>		tes #	#2	Factoriando Newson Factoriando Newson Figure Control (Control (Contro) (Con
Division of the range of expression of the over-year means for the reference collection varieties into equal spaced states				
Adjustment of notes is done by reference to example varieties				
Range of variation can be adjusted (expert judgement)				
Example: Barley				
ŇW/	• Range 38.3	cm / 7 Notes = 6	5.5 cm width o	rstates
	State	from	to	Example varieties
	1	nom	≤ 87.4	Example function
	2	> 87.4	≤ 92.8	
	3	> 92.8	≤ 98.3	3 - Spectrum (93.8)
NA	4	> 98.3	≤ 103.8	
	5	> 103.8 > 109.2	≤ 109.2 ≤ 114.7	5 – Reni (111.0)
	7	> 114.7	≤ 120.2	7 - Stephanie (118.6)
* 7	8	> 120.2	≤ 125.7	
1 Martin algorithm (MA) - marrier man. B Martin algorithm (Marrier man.	9	> 125.7		

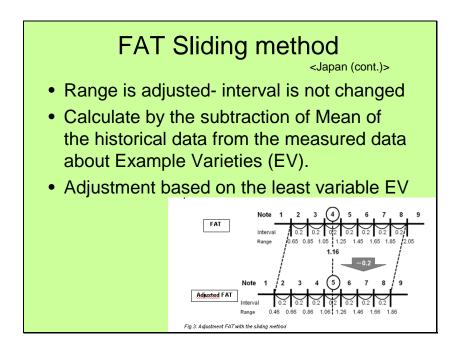
Adjusted Full Assesement Table (FAT) <Japan>

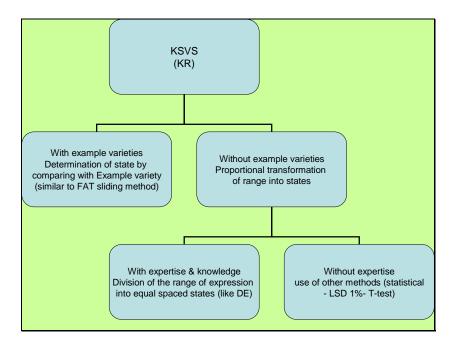
- FAT is a table to evaluate the notes from the datas of QN characteristics
- The notes are based on example variety's data from ONE growing trial + historical datas
- (Mainly use for ornemental & veg. crops)
- Same method for self and cross,
- The adjustable range changes according to dispersion of Historical data of the Example variety

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NEXT STEPS

- Check if summary is correct
- Check how the stability of descriptions of reference varieties is representative and stable over years

[End of Annex and of document]

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