

TWO/45/30 Add.
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# INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS Geneva

### TECHNICAL WORKING PARTY FOR ORNAMENTAL PLANTS AND FOREST TREES

### **Forty-Fifth Session**

Jeju, Republic of Korea, August 6 to 10, 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. The 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 for Ornamental Plants and Forest Trees (TWO) at its forty-fifth session.

[Annex follows]

### **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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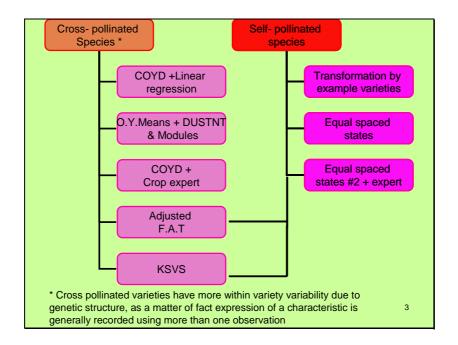
### **OVERVIEW/ CONTEXT/ BACKGROUND**

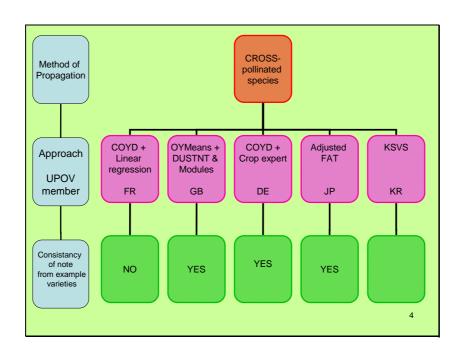
• In order to produce a summary of <u>different</u> <u>approaches</u> on data processing

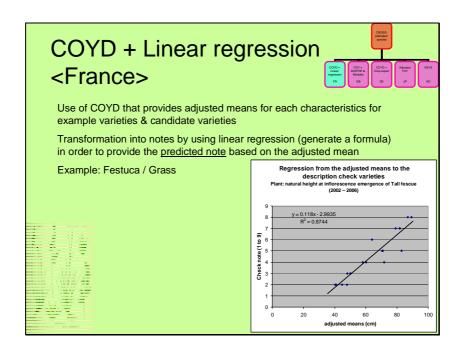
(see document TC/48/22 "Report on conclusions", paragraph 52)

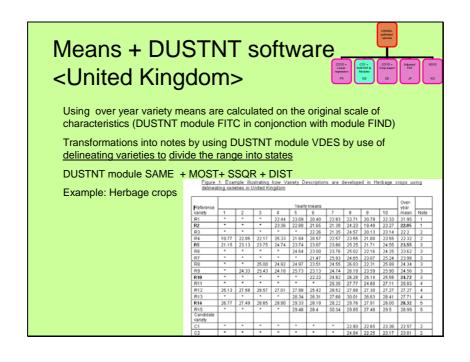
- For transforming means into notes
- For Quantitative (QN) characteristics recorded by measurements (M)
- In order to <u>develop a common guidance</u> and harmonized processes

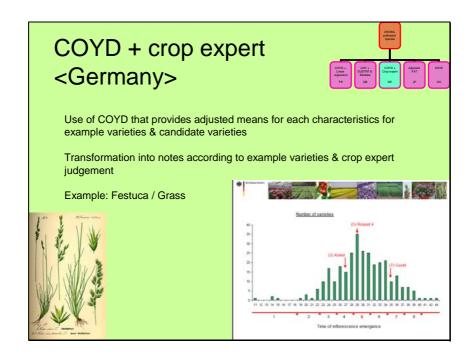
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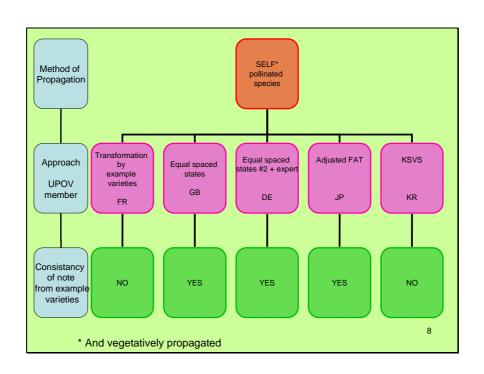


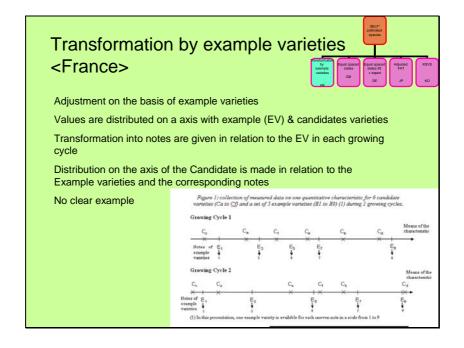


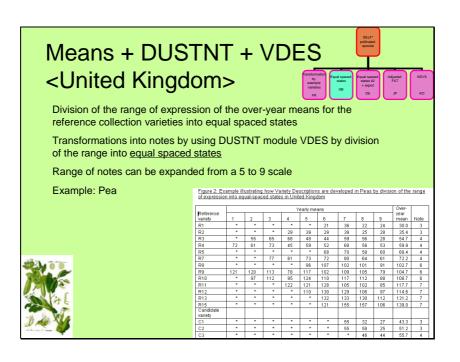


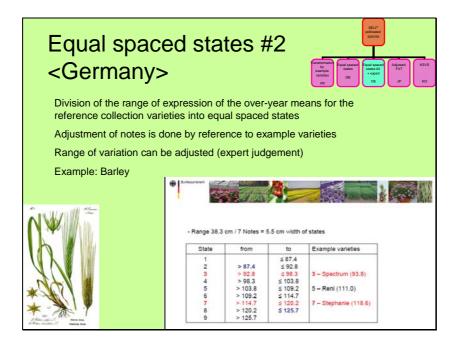






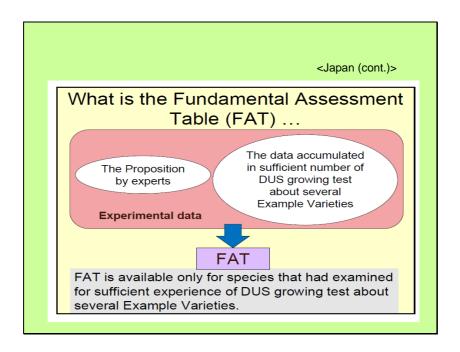






# Adjusted Full Assesement Table (FAT) <Japan>

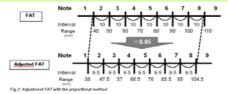
- FAT is a table to evaluate the notes from the datas of QN characteristics
- The notes are based on example variety's data from ONE growing trial + historical datas
- (Mainly use for ornamental & veg. crops)
- · Same method for self and cross,
- The adjustable range changes according to dispersion of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



## FAT proportional method

<Japan (cont.)>

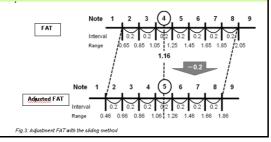
- Range & interval of notes are adjusted once
- Calculate by the proportion of the measured data to Mean of the historical data about Example Varieties.
- The interval of notes is adjusted accordingly in equal spaced states

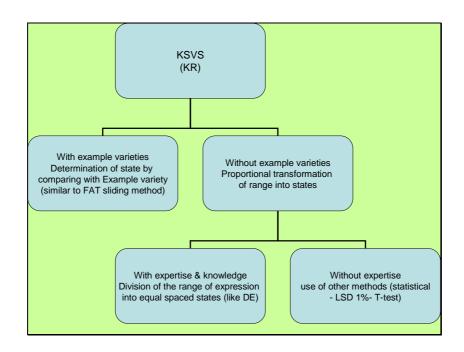


## **FAT Sliding method**

<Japan (cont.)>

- · Range is adjusted- interval is not changed
- Calculate by the subtraction of Mean of the historical data from the measured data about Example Varieties (EV).
- Adjustment based on the least variable EV





### **NEXT STEPS**

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

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[End of Annex and of document]