

TC/49/29 ORIGINAL: English DATE: February 8, 2013

## INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS Geneva

## **TECHNICAL COMMITTEE**

## Forty-Ninth Session Geneva, March 18 to 20, 2013

#### REVISION OF DOCUMENT TGP/8: PART II: TECHNIQUES USED IN DUS EXAMINATION, NEW SECTION: DATA PROCESSING FOR THE ASSESSMENT OF DISTINCTNESS AND FOR PRODUCING VARIETY DESCRIPTIONS

Document prepared by the Office of the Union

1. The purpose of this document is to present the developments concerning a possible new section for document TGP/8: "Data Processing for the Assessment of Distinctness and for Producing Variety Descriptions".

2. The following abbreviations are used in this document:

- CAJ: Administrative and Legal Committee TC: **Technical Committee** TC-EDC: **Enlarged Editorial Committee** TWA: Technical Working Party for Agricultural Crops TWC: Technical Working Party on Automation and Computer Programs Technical Working Party for Fruit Crops TWF: Technical Working Party for Ornamental Plants and Forest Trees TWO: TWV: **Technical Working Party for Vegetables** TWPs: **Technical Working Parties**
- 3. The structure of this document is as follows:

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ANNEX: TRANSFORMATION OF MEASUREMENT INTO NOTES FOR VARIETY DESCRIPTIONS-SUMMARY OF DIFFERENT APPROACHES PRESENTED AT THE TECHNICAL WORKING PARTIES IN 2012 (IN ENGLISH ONLY)

### BACKGROUND

The Technical Committee (TC), at its forty-eighth session, held in Geneva from March 26 to 28, 2012, 4. considered Annex III: "TGP/8 PART I: DUS Trial Design and data analysis, New Section 6 - Data processing for the assessment of distinctness and for producing variety Descriptions" in conjunction with Annex VIII: "TGP/8 PART II: Techniques used in DUS Examination, New Section 13 - Methods for data processing for the assessment of distinctness and for producing variety descriptions" of document TC/48/19 Rev. It agreed that the information provided in Annex VIII of document TC/48/19 Rev. and at the UPOV DUS Seminar, held in Geneva in March 2010, together with the method provided by Japan and the method used in France for producing variety descriptions for herbage crops, as presented at the TWC at its twenty-sixth session (see document TWC/26/15, TWC/26/15 Add. and TWC/26/24), provided a very important first step in developing common guidance on data processing for the assessment of distinctness and for producing variety descriptions, but concluded that the information as presented in Annex VIII of document TC/48/19 Rev. would not be appropriate for inclusion in document TGP/8. It agreed that the Office of the Union should summarize the different approaches set out in Annex VIII of 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. The TC agreed that the section should include examples to cover the range of variation of characteristics. It further agreed that the detailed information on the methods should be made available via the UPOV website, with references in document TGP/8 (see document TC/48/22 "Report on Conclusions" paragraph 52).

COMMENTS OF THE TECHNICAL WORKING PARTIES (TWPS) IN 2012

5. At their sessions in 2012, the TWA, TWV, TWC, TWF and the TWO, considered documents TWA/41/30, TWV/46/30, TWC/30/30, TWF/43/30 and TWO/45/30 respectively, as set out in Annex to this document (in English only<sup>\*</sup>).

6. The TWPs, at their sessions in 2012, made the following comments:

General	The TWA noted the information that a summary of different approaches used for data processing for the assessment of distinctness and for producing variety descriptions would be developed by the Office of the Union (see document TWA/41/34 "Report", paragraph 44).	TWA
	The TWV considered document TWV/46/30 and received a presentation made by the Office containing a summary of different approaches for transforming means into notes for variety descriptions. The TWV was informed that the summary would be presented to the TWC at its thirtieth session and that it would be further developed (see document TWV/46/41 "Report", paragraphs 43 and 44).	TWV
	The TWC noted information provided in documents TWC/30/30 and TWC/30/30 Add. and agreed that the experts from Finland, Italy and the United Kingdom would support the Office of the Union to summarize the different approaches for further developing common guidance on data processing for the assessment of distinctness and for producing variety descriptions (see document TWC/30/41 "Report", paragraph 42).	TWC
	The TWC agreed that experts from the United Kingdom in cooperation with experts from France and Germany should conduct a practical exercise. The exercise would be to process a common data set to produce variety descriptions in order to determine the aspects in common and where there was divergence among the methods (see document TWC/30/41 "Report", paragraph 43).	
	The TWF considered documents TWF/43/30 and TWF/43/30 Add. and received a presentation made by the Office containing a summary of different approaches for transforming means into notes for variety descriptions.	TWF

<sup>\*</sup> The TC-EDC, at its meeting on January 9 and 10, 2013, agreed that it would not be appropriate to translate the text for the forty-ninth session of the TC.

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The TWF expressed concern that a specific country may have difficulty in describing the full range of states of expression of a characteristic because some varieties might not be available. A universal set of example varieties, the use of historical data and experience of the experts could be a way to address this issue.	
The TWF recommended that consideration be given to the construction of a meaningful range of expression in the case of a limited range of available varieties. (see document TWF/43/38 "Report", paragraphs 29 to 31)	
The TWO agreed with the recommendations of the TWF that consideration be given to the construction of a meaningful scale of expression in the case of a limited range of available example varieties (see document TWO/45/37 "Report", paragraph 32).	TWO

7. In accordance with the proposal of the TWC, the Office of the Union has invited experts from the United Kingdom, France and Germany to make a proposal for a practical exercise.

## COMMENTS OF THE ENLARGED EDITORIAL COMMITTEE (TC-EDC) IN 2013

8. The TC-EDC, at its meeting held in Geneva on January 9 and 10, 2013, considered document TC-EDC/Jan 13/16: "Revision of document TGP/8: Part II: Techniques Used in DUS Examination, New Section: Data Processing for the Assessment of Distinctness and for Producing Variety Descriptions".

9. The TC-EDC, agreed that it would be necessary for the experts from the United Kingdom, France and Germany to provide a common test data set of self-pollinated and/or vegetatively propagated varieties for performing a practical exercise, because the COY method was already well established for cross-pollinated varieties.

10. The Chairperson of the TWC offered to provide variety descriptions from Finland.

11. The TC is invited to:

(a) consider the comments made by the TWPs at their sessions in 2012; and

(b) request the experts from the United Kingdom, France and Germany to provide a common data set of self-pollinated and/or vegetatively propagated varieties for performing a practical exercise.

[Annex follows]

TC/49/29

ANNEX

(IN ENGLISH ONLY)

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

1

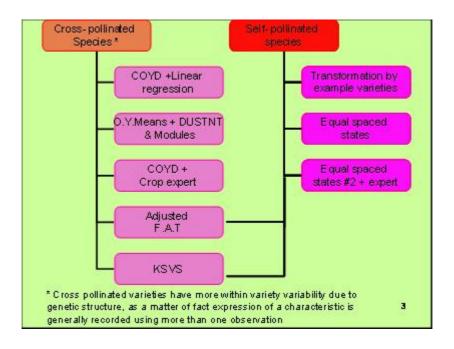
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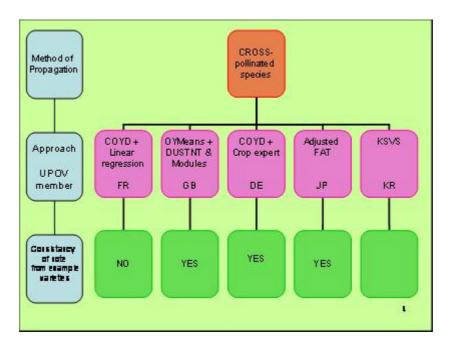
## **OVERVIEW/ CONTEXT/ BACKGROUND**

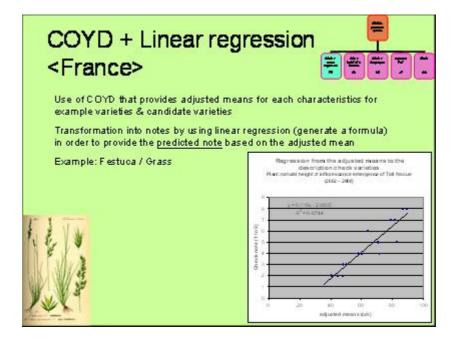
 In order to produce a summary of <u>different</u> approaches on data processing

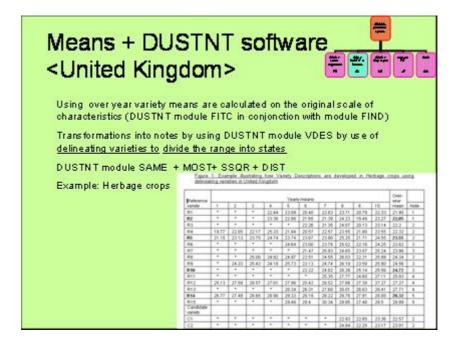
(see document TC/48/22 "Report on conclusions", paragraph 52)

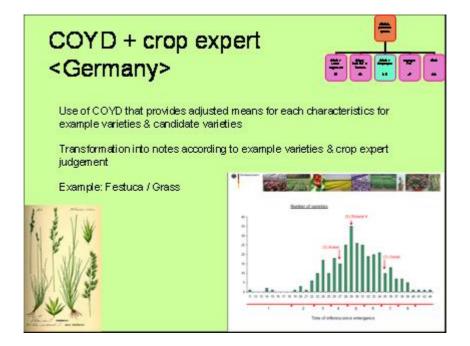
- For transforming means into notes
- For Quantitative (QN) characteristics recorded by measurements (M)
- In order to <u>develop a common guidance</u> and harmonized processes

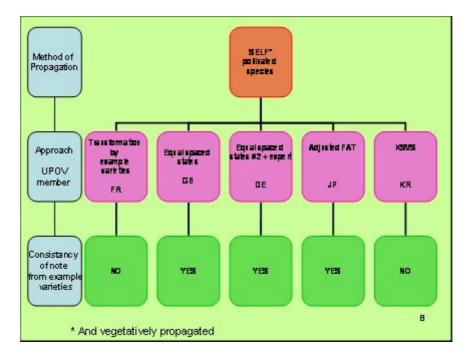


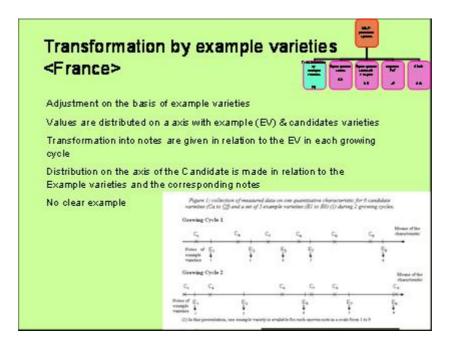


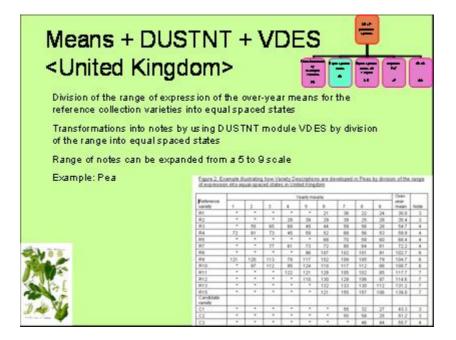


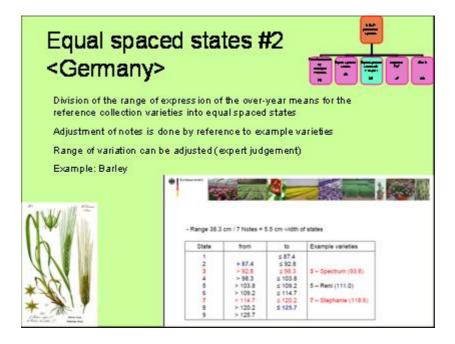








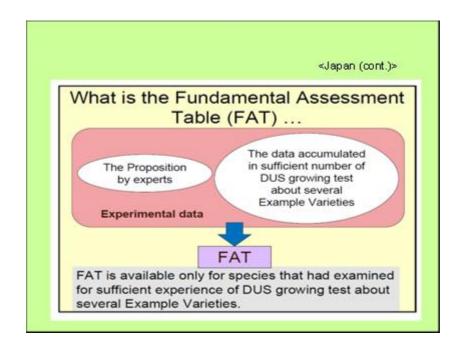


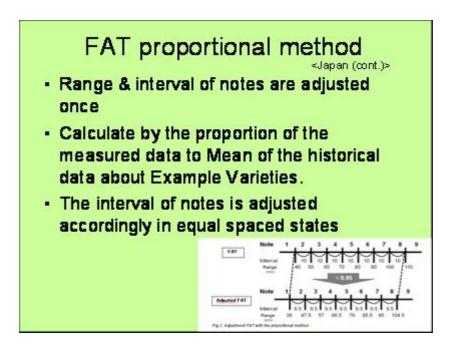


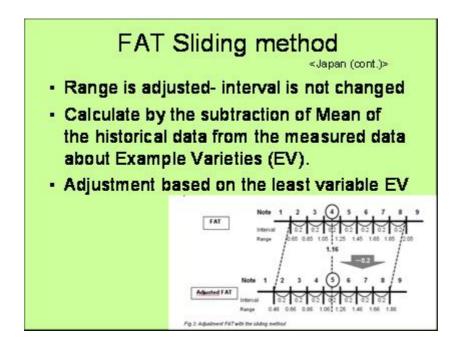
# Adjusted Full Assessment Table (FAT) <Japan>

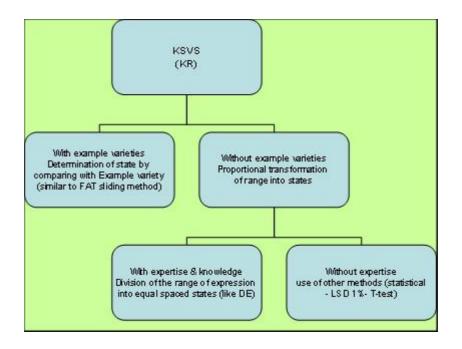
- FAT is a table to evaluate the notes from the datas of QN characteristics
- The notes are based on example variety's data from ONE growing trial + historical datas
- (Mainly use for ornamental & veg. crops)
- · Same method for self and cross,
- The adjustable range changes according to dispersion of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

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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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