

# Sub-Group Agrochemicals Analysis AA (1972)

**2018 CORESTA Congress** 

**Kunming, China** 

24th October 2018



## **AA SG – Objectives**

- ❖ To perform regular proficiency testing of Multi-Residue Methods for the analysis of agrochemical residues on tobacco.
- ❖ To undertake joint experiments to resolve unanswered questions arising from proficiency tests; to expand knowledge base on agrochemical residues and their analysis.
- ❖ To produce and maintain a series of Technical Notes (on different agrochemical residue classes and selected individual compounds) to supplement the Technical Guideline and aid method development and improvement.



### **AA SG – Governance**

#### **Coordinator**

Masahiro Miyoshi – Japan Tobacco Inc., Oyama, Japan

#### **Secretary**

Heather Westberg – Global Laboratory Services Inc., Wilson – NC, USA

#### **Liaison**

Keisuke Nakayama – Japan Tobacco Inc., Tokyo, Japan

AA SG moved from Product Technology into Agronomy & Leaf Integrity Study Group in 2016

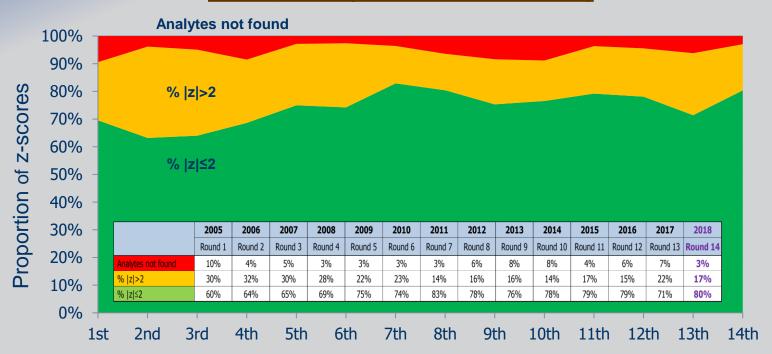


#### **Proficiency test 2018 (FAPAS FT0114)**

- CPAs defined in CORESTA Guide No.1 and its candidates
- Direction on reporting the sum of CPAs
  - Residue definition and Conversion factor.
- Test materials (artificially spiked and agronomically incurred)
  - 17 CPAs spiked on blank Burley tobacco
  - 12 CPAs in incurred Burley tobacco (provided by the RFT SG)
- > 25 laboratories from 19 countries
- z-score evaluation
- FAPAS Report (May 2018)
- Analytical methods from the laboratories included in the FAPAS Report



#### z-score trend (FAPAS FT0101-FT0114)





#### Follow-up of Joint Experiment Technical Study (JETS) 17/1 on Maleic Hydrazide

- Review of the outcome of JETS 17/1
- ➤ Tobacco plant metabolism study with [¹⁴C] maleic hydrazide
- Made a summary of the current findings for submitting to the ISO/TC 126/SC 2, in response to Resolutions 88/2016 and 94/2018 regarding ISO 4876:1980

#### CORESTA Guide No. 5

"Technical Guideline on Pesticide Residues Analysis on Tobacco and Tobacco Products" was revised in October 2018.

#### **Technical Note #001 (Maleic hydrazide)**

Revised in October 2018

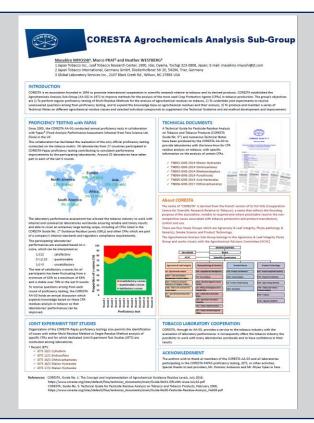






#### Communication at external event

- Participated in EPRW 2018 (12th European Pesticide Residue Workshop) in Munich, Germany, from 22 to 25 May
- Poster presentation entitled "CORESTA Agrochemicals Analysis Sub-Group"
- After the EPRW 2018, several laboratories inquired for participating in the proficiency test.





## **AA SG - Next Activities**

#### **Proficiency test 2019 (FAPAS FT0115)**

- Spiked and incurred tobacco samples
- Incurred tobacco materials provided by the RFT SG

#### **New Joint Experiment Test Study**

- Matrix effect from DAC tobaccos
- Compare with the different tobacco types and solvent standards







# Thank you for your attention!