



CORESTA

Dr. Rob Stevens

Secretary, Smoke Science Study Group - CORESTA Scientific Commission

**TMA's 102nd Annual Meeting & Conference
Chantilly, VA, USA
May 10 – 12, 2017**



CORESTA

Centre de
COopération pour les **RE**cherches **S**cientifiques
Relatives au **T**Abac

Cooperation Centre for Scientific Research Relative to Tobacco



**To be recognised by our members
and relevant external bodies
as an authoritative source
of publically available credible
science and best practices
related to tobacco and its derived products.**



The Purpose of CORESTA

Encourage international cooperation
to actively work
on tobacco-related areas of research



❖ It is an Association:

- Founded in 1956 by 24 organisations from 20 countries
- Headquartered in Paris and governed under French law
- Now 150 Member organisations in 38 countries involved in over 60 countries through their subsidiaries and affiliates

❖ Main bodies

- Board (12 to 14 organisations)
- Scientific Commission (20 individuals)
- General Secretariat (3 persons)
- 22 Sub-Groups and Task Forces within 4 Study Groups + 3 inter-group committees

≈ 600 persons worldwide involved in on-going work



President: Mr. Huub Vizée
delfort (Austria)

Vice-President: Ms. Diane Raverdy-Lambert
SWM International (USA)

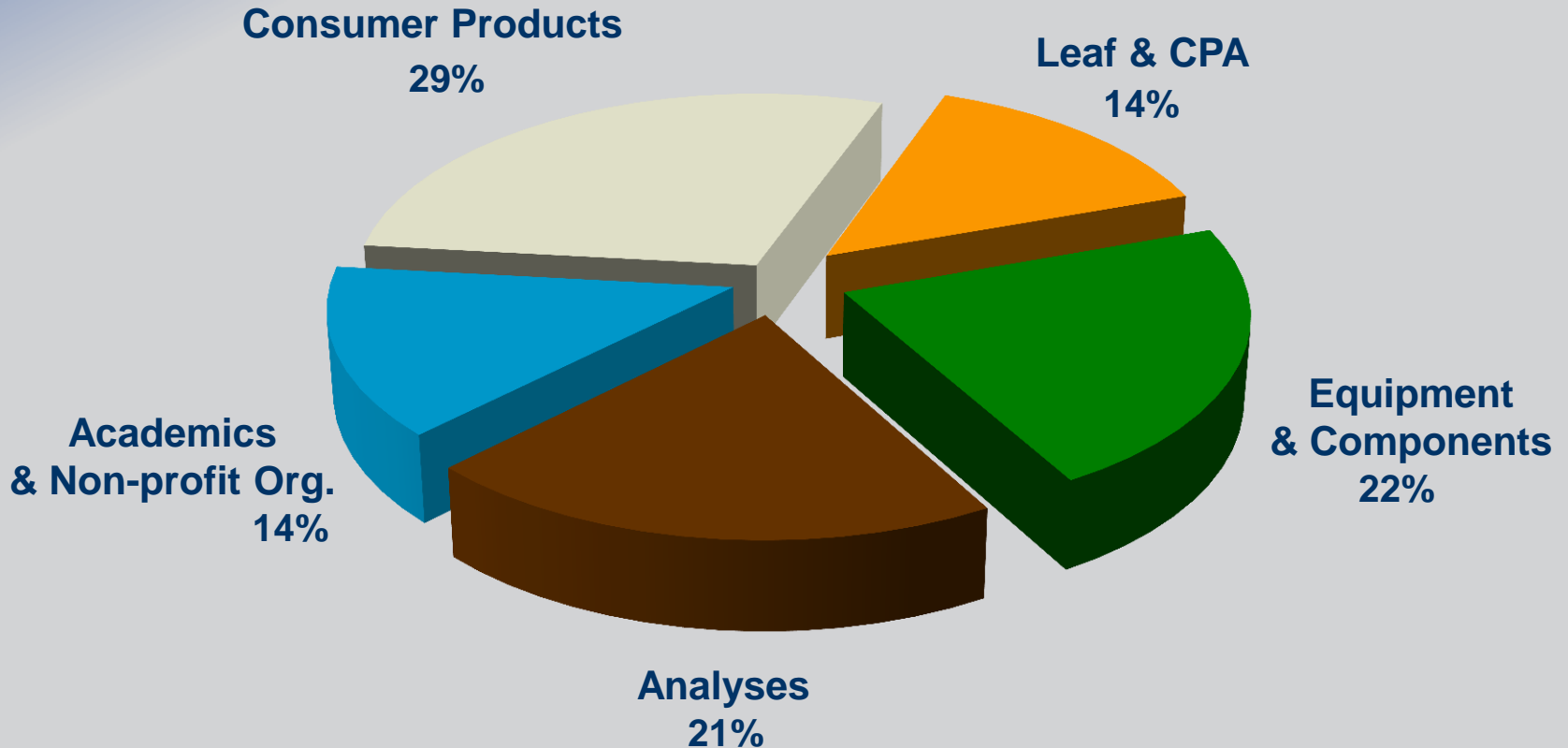
Secretary General: Pierre-Marie Guitton

❖ Member Organisations

- ✓ Alliance One International Inc. (USA)
- ✓ Alternative Ingredients (USA)
- ✓ Borgwaldt KC (Germany)
- ✓ British American Tobacco (UK)
- ✓ China National Tobacco Corp. (China)
- ✓ delfort AG (Austria)
- ✓ Imperial Tobacco Ltd. (UK)
- ✓ Japan Tobacco Inc. (Japan)
- ✓ KT&G Corp. (South Korea)
- ✓ RAI Services Co. (USA)
- ✓ SWM International Inc. (USA)
- ✓ Swedish Match (Sweden)
- ✓ Universal Leaf Tobacco Co. (USA)
- ✓ University of Kentucky (USA)

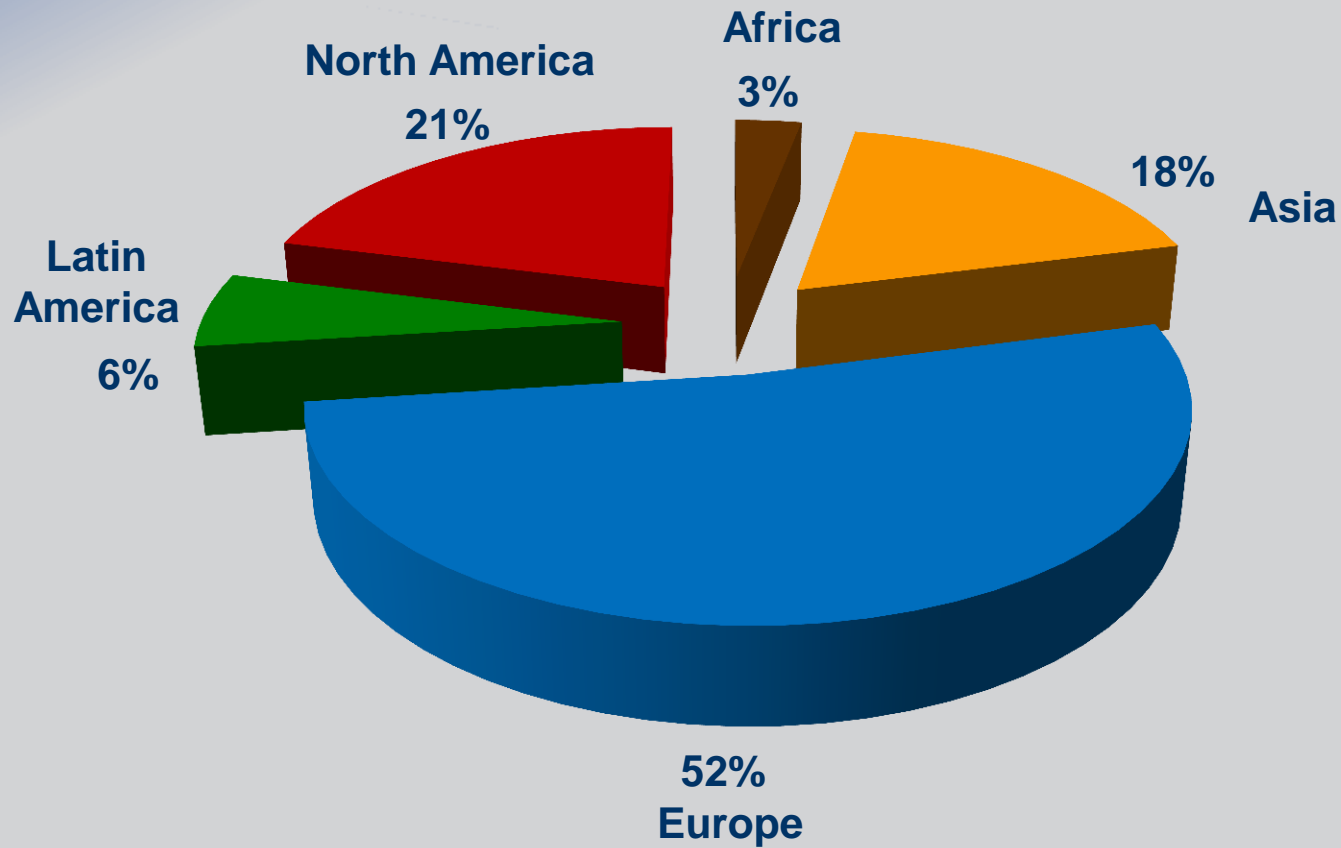


Membership Core Activity





Membership Worldwide distribution





2 + 2 Study Groups

❖ Agronomy & Leaf Integrity, Phytopathology & Genetics

- Agronomy & Breeding
- Curing
- Sustainability
- Pests & plant diseases
- Agrochemical issues

Agro - Phyto

« AP »

❖ Smoke Science, Product Technology

- Technical specifications
- Methods for component and emissions Analysis
- Consumer behaviour
- *In Vitro* Toxicology

Smoke - Techno

« SSPT »



“Smoke - Techno”

❖ Smoke Science

- SG Product Use Behaviour
- SG Biomarkers
- SG Smoke Analytes
- SG *In Vitro* Toxicity Testing

❖ Product Technology

- SG Routine Analytical Chemistry
- SG Physical Test Methods
- SG Cigar Smoking Methods
- SG Tobacco and Tobacco Product Analytes
- SG E-Vapour
- TF Cigarette Variability



Smoke - Techno Achievements

❖ Smoke Science & Product Technology

- **Developed Recommended Methods*, Guides and Reports on tobacco, product and smoke analysis (chemical and physical)**
 - 37 ISO standards based on CORESTA Recommended Methods (CRMs)
 - + 6 CRMs currently in the process of becoming ISO standards
 - Regular collaborative studies/proficiency trials to support member labs' accreditation (agrochemicals, TNCO, physical...)
 - Protocols for *in vitro* toxicity testing of mainstream smoke
- **Developed Reference Materials**
 - CM 'CORESTA Monitor test piece' for smoking machine set-up + 1 for LIP testing
 - 4 smokeless tobacco products



***62 out of 85 CRMs are currently active, due to obsolescence/replacement of older ones**



Development of Recommended Methods

❖ Approach used for the development of robust methods

- Involvement of a relatively large number of laboratories
- Involvement of a wide range of product and design styles
- Round-table discussions during development provide valuable insight into causes and ways to reduce inter-laboratory variability
- Consensual and unanimous decisions on “standardisation”

❖ Conclusions & Achievements

- Methods and Reports are made available on the CORESTA website
- Experiences in method development shared within the Groups may be made publicly available in peer-review publications



CORESTA and e-cig standards

❖ AFNOR (France)

- CORESTA participated in the ECIG Commission
- Main achievements:
 - Adoption of the CORESTA recommended vaping regime
 - Emphasis on analytical considerations for r&R of tests

❖ CEN (Europe)

- CORESTA Liaison with TC 437 Vape and Vapour Products
- CORESTA experts in WG1, WG3 and WG4

❖ ISO (International)

- CORESTA Liaison with TC 126 Tobacco and Tobacco Products
- SC3-WG2 on Vaping machine parameters led by CORESTA



Involvements

❖ FDA Workshops

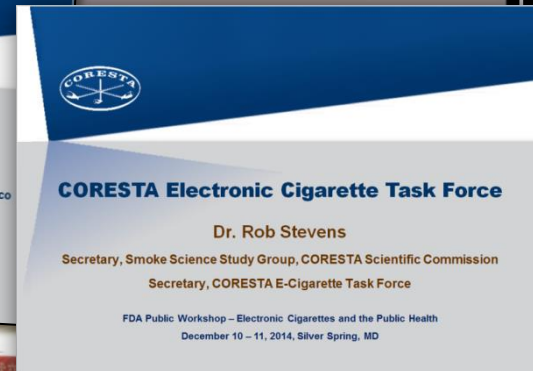
❖ Standards

- ISO/TC 126
- CEN/TC 437
- AFNOR

❖ Agrochemical Seminars

❖ Conferences

- Global Tobacco & Nicotine Forum
- Tobacco Campus
- Global Forum on Nicotine
- E-cig Europe
- TMA
- ...





Value of CORESTA

- ❖ **Global interdisciplinary expertise from different sectors**
- ❖ **Focus on advancing scientific knowledge**
- ❖ **Leadership and coordination of inter-lab studies to recommend analytical methods**

www.coresta.org