



# **Experiences on Several CORESTA Working Groups from Smoke Science and Product Technology**

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# Agenda

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- ❖ **CORESTA Organization**
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# Personal Background

## ❖ Degrees

- Associate Degree in Medical Technology
- Bachelor Degree in Chemistry
- Masters Degree in Human Resources

## ❖ Work History in the Tobacco Industry

- **R.J. Reynolds Tobacco Company 1979 – 2008**
  - Majority of time spent in Analytical Chemistry culminating in the position of Sr. Director of Tobacco & Smoke Chemistry, and ISO 17025 Quality Manager
  - Management roles in Product Process Technology & Development, and Quality Assurance
  - Final position as Sr. Director of Regulatory Compliance
- **Consultant for Cerulean October 2008 – May 2010**
- **Business Development for Cerulean May 2010 – present**



# **CORESTA's Mission**

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



# CORESTA Organization

## ❖ CORESTA Board

- Comprises senior executives of 14 member organizations
- Provides policy guidance
- Sets scientific direction for the Scientific Commission, reviews its progress & output
- Ensures that the legal requirements of the association are met under French law.

## ❖ CORESTA Scientific Commission

- Four Study Groups each being led by five elected members:
  - Agronomy & Leaf Integrity
  - Phytopathology & Genetics
  - Smoke Science
  - Product Technology

## ❖ CORESTA Task Force

- Formed to complete specific objectives and disbanded on completion of objectives

## ❖ CORESTA Sub-Group

- On-going work with objectives approved by the Scientific Commission



# Current CORESTA Task Force & Sub-Group Experience

## ❖ Sub-Group Routine Analytical Chemistry (RAC)

- **Chair Hiromoto Yamazaki (Japan Tobacco, Japan)**  
**Secretary Thomas Schmidt (Borgwaldt-KC, Germany)**
  1. To maintain CORESTA Recommended Methods (CRMs) and related documents for the analysis of tobacco, smoke, and cigarette components.
  2. To organise interlaboratory testing related to Objective 1.
  3. To organise the manufacture of and maintain CORESTA Monitors for TNCO and ignition propensity.
- **Participation ~45-50 participants from ~27 countries**
- **To date RAC has developed and evaluated more than 30 CRMs and manufactured 7 viable CORESTA Monitor test pieces for TNCO and 1 for LIP analysis**
- **Many CRMs have become ISO standards**
- **Additional detail on**  
<https://www.coresta.org/groups/routine-analytical-chemistry>



# Current CORESTA Task Force & Sub-Group Experience

## ❖ Sub-Group Tobacco and Tobacco Products Analytes (TTPA)

(formerly Smokeless Tobacco)

➤ **Chair Karl Wagner (Altria, USA)**

**Secretary Johan Lindholm (Swedish Match, Sweden)**

1. To propose and maintain CORESTA Recommended Methods (CRMs) and related documents for the analysis of tobacco and unburned tobacco products.
2. To organise interlaboratory testing related to Objective 1.
3. To organise the manufacture of and maintain smokeless tobacco reference products.

➤ **Participation ~40-50 participants, representing ~40 companies**

➤ **To date TTPA has developed 9 CRMs and 7 existing CRMs have been modified to include smokeless products.**

➤ **Additional information can be found on**

<https://www.coresta.org/groups/tobacco-and-tobacco-products-analytes-formerly-smokeless-tobacco>



# Current CORESTA Task Force & Sub-Group Experience

## ❖ Sub-Group E-Vapour (EVAP)

➤ **Chair Chuck Garner (RAI Services, USA)**

**Secretary Gene Gillman (Enthalpy Analytical, USA)**

1. To identify areas of scientific research and conduct studies that will characterise e-liquids, e-vapour product emissions, and device properties and performance.
  2. To develop and publish methods and guides.
  3. To organise and conduct periodic proficiency/collaborative studies of identified constituents in e-liquids and e-vapour product aerosol.
- **Participation ~40-50 participants, from the US, Europe, and Asia, and representing e-vapour product companies, suppliers, contract laboratories and others.**
- **To date EVAP has published 2 CRMs and 4 Technical Guides.**
- **Additional information on <https://www.coresta.org/groups/e-vapour>**





# Current CORESTA Task Force & Sub-Group Experience

## ❖ **Sub-Group Smoke Analytes (SMA)** (formerly Special Analytes)

- **Chair Jana Jeffery (British American Tobacco Ltd, UK)**  
**Secretary Rana Tayyarah (ITG Brands LLC, USA)**

1. To propose and maintain CORESTA Recommended Methods (CRMs) and related documents for the analysis of smoke constituents from combustible tobacco products.
2. To organise interlaboratory testing related to Objective 1.

- **Participation ~40-50 participants from the USA, Europe, and Asia Pac representing Manufacturers, Contract Laboratories and Regulatory Agencies**

- **To date SMA has developed 7 CRMs and published numerous Technical Reports.**

- **Additional information on**

<https://www.coresta.org/groups/smoke-analytes-formerly-special-analytes>



# Past CORESTA Task Force & Sub-Group Experience

- ❖ **Sidestream Task Force (1999 – 2002)**
  - **CRM No. 54 - Determination of Nicotine and Nicotine-Free Dry Particulate Matter in Sidestream Smoke using a Fishtail Chimney and a Routine Analytical/Linear Smoking Machine.**
    - CRM developed into ISO 20773:2013
  - **CRM No. 55 - Determination of Carbon Monoxide in the Vapour Phase of Cigarette Sidestream Smoke using a Fishtail Chimney and a Routine Analytical/Linear Smoking Machine.**
    - CRM developed into ISO 20774:2013
  
- ❖ **RAC Sub-Committee on Harmonization of CO Yields (2001 – 2003)**
  - **Minimize the differences observed between linear and rotary smoking machines**



# What CORESTA Brings to the Tobacco Scientific Community

## ❖ In summary

- **CORESTA brings world tobacco-related organizations and scientists together**
  - provides an exchange of information and education
- **Collaboration of scientists and technologists of all CORESTA members:**
  - helps to produce and promote sound scientific data and ideas
  - underpins the development of new methods and procedures for the industry stakeholders
  - contributes to the long-term benefits that will accrue to the industry and the member companies
- **Members recognize the crucial long-term benefits of CORESTA's work, and continue to support especially those areas which they see necessary for the future of our industry in an increasingly regulated world.**
- **And for me personally it has enabled me to build friendships all over the world and a terrific network of technical experts I can always count on for help.**