



# NEWSLETTER

Issue 48 – July 2017

## FOREWORD

Arrangements for the annual CORESTA Joint Study Groups Meetings are in full swing with once again the promise of excellence both in terms of programme content and logistical arrangements. The sessions have been set, speakers contacted and workshops organised. The SSPT2017 meeting will in particular focus on e-vapour products, cigars and regulation, while the AP2017 meeting is focusing principally on sustainability, production practices and breeding techniques. The meeting hosts, **delfort** and **SindiTabaco**, are sparing no effort to make sure that delegates benefit from all the learning and networking opportunities provided by the meeting venues.

The continuing publication trend has seen CORESTA publish a number of Technical Reports and updates to its Methods. A number of new projects have been launched and increasing activity in the field of breeding techniques has led to the formation of a new working group on biotechnology and omics.

CORESTA has increased its visibility on the international stage with presentations made at four conferences: Global Forum on Nicotine (GFN), Electronic Nicotine Delivery Systems (ENDS), Latin American Pesticides Residues Workshop (LAPRW) and the Tobacco Merchants Association (TMA) Annual Conference. Brief reports on these events are included in this Newsletter.

CORESTA is pleased to welcome a new member of staff, Isabelle Thurière, who will add to the productivity of the Secretariat.

Lastly, CORESTA bids a sad farewell to two retired former Scientific Commission members who greatly contributed to CORESTA activities during their time in office.

## Joint Study Group Meetings 2017

**SSPT2017 - The Smoke Science and Product Technology Joint Study Groups Meeting** will be held at the K3 KitzKongress Conference Centre in **Kitzbühel, Austria**, from **8–12 October 2017** and is being hosted by delfort.

Registration and accommodation information is available on the official meeting website at [www.sspt2017.org](http://www.sspt2017.org), and any queries should be sent to the event Secretariat at [secretariat@sspt2017.org](mailto:secretariat@sspt2017.org).

The Working Programme currently consists of 63 oral presentations and 55 posters. Workshops on In Vitro Toxicology and Cigars will take place on Sunday, 8 October and Tuesday, 10 October.

Online registration is available until 27 September.

**AP2017 - The Joint Meeting of the Agronomy & Leaf Integrity and Phytopathology & Genetics Study Groups** will be held at the University of Santa Cruz do Sul (UNISC), in **Santa Cruz do Sul, Brazil**, from **22–26 October 2017** and is being organised by SindiTabaco.

Meeting information can be found on the meeting website at [www.corestabrazil.com](http://www.corestabrazil.com). Queries concerning the event should be addressed to [coresta-ap2017@sinditabaco.com.br](mailto:coresta-ap2017@sinditabaco.com.br).

The Working Programme has 57 oral and 22 poster presentations scheduled for presentation. A Workshop on Sustainable Tobacco Production will be held on Wednesday, 25 October.

Online registration is open until 8 October.



Kitzbühel - Austria 2017

**CORESTA SSPT**



**CORESTA AP 2017**

Santa Cruz do Sul - Brazil



# Joint Study Group Meetings 2017

## Reading Committee

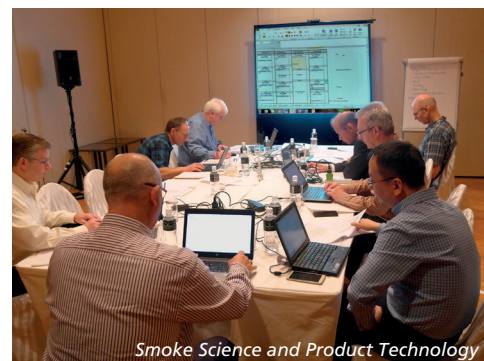
The CORESTA Scientific Commission (SC) innovated this year by enlarging participation in the Reading Committee deliberations to all the SC members (previously only Study Group Presidents and Secretaries formed the Reading Committee). This allowed for wider consultation when reviewing the abstracts and lessened the revision workload.

The full Scientific Commission Reading Committee therefore met on 7 June 2017 in Yokohama, Japan, in order to select the abstracts submitted for presentation at the annual CORESTA meetings and draft the programme of working sessions.

This year's abstract submissions totalled 240, equalling the submissions for the 2016 Congress, thus breaking another CORESTA record. Of these, 201 were selected for presentation. Three Workshops have been planned and Sub-Group and Task Force Coordinators will present their usual annual reports on the activities and achievements of their groups.

The Opening Session of the SSPT2017 will focus on CORESTA's work towards standardising working procedures/practices, the establishment of the Project Management Office Task Force and CORESTA's role in international standardisation. The session will also include the Intergroup presentations. The AP2017 Opening Session will feature talks on tobacco production in Brazil by the head of SindiTabaco and a representative from the Brazilian Ministry of Agriculture.

Abstract acceptance and paper or poster instructions were emailed to authors on 23 June, and the latest versions of the programmes and lists of papers are available from the CORESTA website at [www.coresta.org](http://www.coresta.org) and the official meeting websites at [www.sspt2017.org](http://www.sspt2017.org) and [www.corestabrazil.com](http://www.corestabrazil.com).



## WORKSHOPS

### SSPT2017 – In Vitro Toxicity Testing – Sunday, 8 October

*In vitro* toxicity assays have been utilized for many years to assess tobacco products, particularly as a part of product stewardship testing programs. Additionally, this data has been requested and subsequently submitted to regulatory agencies as part of increasing reporting obligations.

This workshop will provide three general overviews of *in vitro* testing for tobacco products, in terms of historical use and development among tobacco industries, current technical considerations, and regulatory challenges.

During the workshop invited speakers from within and outside CORESTA will discuss:

- *In vitro* testing for conventional tobacco products - the history;
- International regulations and guidance related to the use of *in vitro* toxicology data;
- Technical challenges related to the use of *in vitro* toxicology assays for tobacco product evaluation.

### SSPT2017 – Cigars – Tuesday, 10 October

The regulation of tobacco products continues to be a growing focus around the world. For example, in 2016, the FDA finalised a rule in the USA that extended its regulatory authority to all tobacco products, including e-cigarettes, cigars, and hookah and pipe tobacco, as part of its goal to improve public health. As different types of tobacco products are included in the scopes of regulatory frameworks, it becomes increasingly important to understand the similarities and differences of these products compared with other regulated products as they relate to agricultural practices, regulatory environment, and testing.

The Cigar Workshop will consist of three presentations. The presenters come from diverse backgrounds and will focus on three topics:

- Agricultural practices - Growing and harvesting of cigar tobaccos all over the world, including challenges, opportunities, and comparisons with conventional cigarette tobaccos;
- Regulatory landscape - Cigars compared with other product categories with a focus from seed to finished product;
- Testing - Challenges and opportunities for collaboration.

Following the presentations, there will be a panel discussion, with audience participation, designed to explore and learn more about cigars and the opportunities to advance the science and understanding of these unique tobacco products and the impact on the current, and future, tobacco regulations.

## CORESTA and Sustainability

Sustainability is an important topic in the world today. This term is used by businesses, governments, NGOs, and others, but what does sustainability really mean? There is no universally agreed upon definition of sustainability and there are different views on what it is and how it can be achieved. The original definition of sustainable development

is generally considered to be: "Development that meets the needs of the present without compromising the ability of future generations to meet their own needs." Bruntland Report for the World Commission on Environment and Development (1992).

In the broadest sense, sustainability is an all-encompassing holistic view that addresses each aspect of a supply chain and its stakeholders: from the environmental impact where a given material is produced; to the people producing the material; and to the socioeconomic conditions of those individuals and entities connected to the material. The concept of sustainability can be applied equally to the farming, processing, manufacturing, and distribution sectors.

The tobacco industry's stakeholders have been addressing sustainability issues for a number of years and continue to advance their programs and activities as the scope increases and the understanding improves. CORESTA has also been active in the area of sustainability through the development and publication of many Guides, such as:

- No. 1 Guidance Residue Levels;
- No. 3 Good Agricultural Practices;
- No. 17 Sustainability in Leaf Production; and
- No. 19 Responsible Use of CPAs in Tobacco Leaf Production.

CORESTA's Field Guide to Integrated Pest Management is another example of the tools CORESTA is bringing to stakeholders to address sustainability at the farm level. Once completed, this document will have 80 chapters on various tobacco diseases and pests, which will assist in proper identification and offer control strategies to farmers and agronomists.

In addition, CORESTA held workshops in 2013 on Conservation of Natural Resources and in 2016 on Extension and Training, with the aim to further share knowledge and increase awareness on key aspects of sustainable tobacco production.



## WORKSHOPS

### AP2017 – Sustainable Tobacco Production – Wednesday, 25 October

CORESTA will hold a workshop on sustainable tobacco production (STP) during **the Agro-Phyto Joint Study Groups meeting in Santa Cruz do Sul, Brazil**. This workshop will include a presentation on the fundamentals of an STP programme used by several key tobacco industry stakeholders to assess sustainability in their supply chain. STP has broad industry participation and offers an assessment of several sustainability topics including corporate governance, agricultural labour practices, tobacco production, workplace safety, and many more.

Today the expectation across agriculture is to know more about the people and the practices supporting the supply chain. This requires monitoring, data collection and analysis throughout the supply chain. A presentation on farm-level STP data collection, management and analysis is scheduled, which will outline one approach being implemented to address the massive data requirements of STP.

Agricultural labour practices and the fair treatment of workers is an important part of STP. Few things stir emotions and debate more than youth participation in agriculture. We are pleased to have a presentation outlining some of the actions underway to prevent child labour and find alternatives for the rural youth in the tobacco producing areas of Southern Brazil.

Crop protection agents (CPAs) are an important tool for farmers to manage pests and diseases, but the appropriate product must be used correctly and only when required. The adoption of IPM approaches is increasing in agriculture, and the same is true for tobacco production. The workshop will include a research presentation from Zimbabwe on reshaping pest management in the tobacco agro-system through biological control and the judicious use of CPAs.

The workshop presentations will conclude with the Agro-Chemical Advisory Committee (ACAC) report. Chemical residues are sometimes the consequence of CPA application, but it is important to have context when interpreting identified residue levels. ACAC plays an important role in STP by providing context through the guidance residue levels (GRLs), which are established utilising multiple data and informational sources.

Upon the conclusion of the presentations, we will hold an open panel discussion section where all attendees are encouraged to ask questions of the presenters and participate in group discussion.

## CORESTA Scientific Commission and Board Meetings

The **SCIENTIFIC COMMISSION** met in Yokohama, Japan, on 7-9 June, hosted by JT Inc.

- Feedback was given from the Board meeting in February, where the decision was made that CORESTA should comment on issues related to a US FDA proposed rule on smokeless products. A letter was posted and some work may be added to the SC's agenda. \*\* The Board had discussed the regulatory aspects of new breeding techniques, complementary to work being done by the SC.
- **ISO/CEN:** Intense smoking regime standards to be ready by end 2017. \*\* ISO 19620 based on CRM75 TSNA in Smoke published in January. \*\* Prof. W-D. Heller appointed Chairman of TC 126 (5 year tenure). \*\* Seven CRMs currently being developed for adoption as ISO standards. \*\* WG18 created to produce technical specifications related to water pipes. \*\* Vapour products: CEN to focus on devices and safety, ISO to focus on analytical issues.
- **ACAC:** Involvement in EU minor crop CPA registration. \*\* CARD system upgraded, new functions to be defined.
- **Agronomy & Leaf Integrity:** First 3-year round of Agrochemical Residue Field Trials completed and a second on-going. \*\* Discussions on long-term strategy, on new breeding techniques vs GMO.
- **Phytopathology & Genetics:** 74 chapters in the IPM document: most major diseases, nematodes and weeds covered. \*\* Extension of the Di@gnoplant content expected. \*\* Task Force launched on Biotechnology (TBO).

- **Product Technology:** Production of CM9 (9th CORESTA Monitor) decided. \*\* 2-year plan discussed and intergroup work encouraged to increase efficacy and speed. \*\* Massive data collected by CVAR to be used for discussion with stakeholders.
- **Smoke Science:** PUB and BMK to expand activity to e-vapour products. \*\* CRM on aromatic amines on-track.
- **CORESTA Standards TF:** A few documents to be completed and posted on the website. A new group (PMO) launched for project management.
- **Website:** Phase 3 (SGTF section) being tested.

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The **BOARD** met on 20-21 June in Bristol, UK, invited by Imperial Tobacco.

- Regulatory issues discussed (FDA proposed NNN ceiling, new breeding techniques ...).
- Too few answers to the survey on water pipes to launch CORESTA work or a workshop.
- Study Group Presidents invited to present and comment on their activities and share their 2-year plans and strategic views. \*\* Interest in CVAR data confirmed. \*\* Interest in having AP and SSPT work together on common issues (cigars, nicotine ...). \*\* Interaction with non-tobacco agronomy experts considered.
- 5-year plan drafted and Board dedicated Committees re-organised.

### CORESTA STAFF

#### Isabelle THURIÈRE



Isabelle Thurière joined CORESTA as Documentation Assistant at the beginning of July. She is working part-time and is mainly in charge of the administration and follow-up of the CORESTA documents.

Isabelle has a Master's degree in Applied Languages from the University of Aix-en-Provence (including a year in Germany and a year in England as part of an Erasmus program) and has recently completed a professional degree in Information and Knowledge Management (CNAM – Paris).

## CORESTA SUB-GROUPS & TASK FORCES

### PHYTOPATHOLOGY & GENETICS Study Group

#### New Task Force: Tobacco Biotechnology and Omics (TBO)

NEW

##### Objectives:

1. To describe and summarise publicly available literature regarding the Biotechnology and Omics techniques and nomenclature commonly used in agriculture in different countries.
2. To prepare clear and concise definitions of the Biotechnology and Omics nomenclature and techniques.

For more information please contact Dr David Zaitlin – University of Kentucky ([dzait2@uky.edu](mailto:dzait2@uky.edu))

#### Amendment to Group Type: Sub-Group Extended Diagnostic Expert System (XDES)

UPDATE

The Extended Diagnostic Expert System (XDES) Task Force was changed to a Sub-Group as its work and activities were being extended to involve further data integration and application development and therefore viewed as being long-term.

### CORESTA Administration

#### New Task Force: Project Management Office (PMO)

NEW

##### Objectives:

*To be defined by the Task Force in view of complementing the CORESTA Process of Cooperation and editing the CORESTA Rules as needed.*

The purpose of this Task Force is to improve integration of projects within the association, to define as well as evaluate the achievement of association's objectives and to oversee entire project cycles. The framework will include roles and responsibilities, processes, identification and assessment of potential relevant IT tools for project management and project controls.

## CORESTA PROJECTS

The following projects were approved by the Scientific Commission and launched:

- **Project 149: CORESTA Presentation at Tobacco Merchants Association (TMA) Annual Meeting & Conference, Chantilly, VA, USA, 10-12 May 2017**  
(Sub-Group Cigar Smoking Methods) - Approved May 2017
- **Project 150: Ammonia and B[a]P Collaborative Study**  
(Sub-Group Tobacco and Tobacco Products Analytes) - Approved June 2017
- **Project 151: Tobacco Biotechnology and Omics Scientific Literature Review and Nomenclature Definition**  
(Task Force Tobacco Biotechnology and Omics) - Approved June 2017
- **Project 152: 5th Round Robin Test on Air Permeability Calibration Standards**  
(Sub-Group Physical Test Methods) - Approved May 2017
- **Project 153: Determination of Selected Carbonyls (update CRM 74)**  
(Sub-Group Smoke Analytes) - Approved July 2017
- **Project 154: Presentation by EVAP SG at Next Generation Nicotine Delivery 2017 Conference in London, UK, 14-15 November 2017**  
(Sub-Group E-Vapour) - Approved July 2017

## CORESTA REPORTS

The following reports have been released and published on the CORESTA website at [www.coresta.org](http://www.coresta.org):

- **3rd Proficiency Test on Diffusion Capacity of Cigarette Papers (2017)**  
Technical Report [PTM-123-CTR] – May 2017 (Sub-Group Physical Test Methods)

This study was carried out to check the evolution of participating laboratories' procedures using CRM No. 77. Compared with past studies, the between-laboratory variability did not change substantially when measuring the diffusion capacity of typical LIP bands on cigarette paper. It has however increased when measuring the diffusion capacity of the cigarette paper (i.e. outside of the LIP bands). This requires more investigation, which will be done during the revision of CRM 77 in 2019.

## CORESTA RECOMMENDED METHODS

### Updated

- **CRM No. 69** – Determination of pH of Tobacco and Tobacco Products  
(*Second edition – July 2017*) [TTPA-126-4-CRM-69]
- **CRM No. 72** – Determination of Tobacco Specific Nitrosamines in Tobacco and Tobacco Products by LC-MS/MS  
(*Fourth edition – July 2017*) [TTPA-126-2-CRM-72]
- **CRM No. 76** – Determination of Moisture Content (Oven Volatiles) of Smokeless Tobacco Products  
(*Second edition – July 2017*) [TTPA-126-3-CRM-76]

In addition to smokeless tobacco products (e.g. moist snuff, snus, chewing tobacco and dry snuff) and raw tobacco, the scopes of the above three CORESTA Recommended Methods (CRMs) were expanded to include the 2016 CORESTA Reference Products (CRPs), ground tobacco, cigarette filler, and cigar filler. In addition r & R data was added to the CRMs. The update of the CRMs is based on the Technical Report *2017 Collaborative Study on TSNA, pH, and Moisture (Oven Volatiles)*.

- **CRM No. 82** – Determination of Benzo[a]pyrene in Tobacco Products by GC-MS  
(*Third edition – July 2017*) [TTPA-129-2-CRM-82]

The update to this CRM improves the reproducibility results for products with high levels of B[a]P by reducing the portion size for samples and extending the calibration range.

- **CRM No. 83** – Determination of Ammonia in Mainstream Cigarette Smoke by Ion Chromatography  
(*Second edition – May 2017*) [SPA-046-CRM-83]

The update to this CRM relates to a small adjustment made to align the preparation of solutions with the preparation of the smoking machine.

- **CRM No. 84** – Determination of Glycerin, Propylene Glycol, Water, and Nicotine in the Aerosol of E-Cigarettes by Gas Chromatographic Analysis  
(*Second edition – June 2017*) [EVAP-86-2-CRM-84]

The update to this CRM includes an edited formula related to the determination of analyte content for the samples.

**All CORESTA Recommended Methods can be downloaded in PDF format at [www.coresta.org](http://www.coresta.org)**

### CRM developed into ISO standard

The International Organization for Standardization (ISO) Technical Committee on Tobacco and Tobacco Products (TC 126) has published ISO 19290:2016 based on the CRM 75 - Determination of Tobacco Specific Nitrosamines in Mainstream Cigarette Smoke by LC-MS/MS:

- **ISO 19290:2016** – Cigarettes -- Determination of tobacco specific nitrosamines in mainstream cigarette smoke -- Method using LC-MS/MS

With the adoption of CRM 75 as an ISO Standard, CORESTA Recommended Methods having ISO equivalents now total 37, with five (CRMs 70, 72, 74, 79 and 81) remaining under development by ISO. Several other CRMs are being considered for submission to ISO in the near future.

## CORESTA REPORTS (continued)

- **2017 Collaborative Study on TSNA, pH, and Moisture (Oven Volatiles)**  
Technical Report [TTPA-126-1-CTR] – July 2017 (Sub-Group Tobacco and Tobacco Products Analytes)  
The intent of this study was to update the scopes of the applicable CORESTA Recommended Methods (CRMs Nos. 69, 72 and 76) to include ground tobacco, cigarette filler, and cigar filler as the CRMs currently only include smokeless tobacco products. The study demonstrated that the CRMs for TSNA, pH, and moisture are suitable for the analysis of the additional matrices, resulting in the publication of updated versions of the CRMs.
- **2017 Collaborative Study on Benzo[a]pyrene in Tobacco Products**  
Technical Report [TTPA-129-1-CTR] – July 2017 (Sub-Group Tobacco and Tobacco Products Analytes)  
A characterisation study of the four new CORESTA Reference Products (CRPs) manufactured in May 2016 noted that the reproducibility (R) results showed greater variability than expected for two of the CRPs, which was attributed to the CRPs having higher levels of benzo[a]pyrene (B[a]P) than analysed previously. This collaborative study determined that modification to CRM 82 improved the reproducibility (R) values for samples with high levels of B[a]P and the CRM was subsequently revised and updated.

## Physical Test Methods Sub-Group Meeting (Germany)

On 26-27 April 2017, The Physical Test Methods (PTM) Sub-Group held its spring meeting in Trier, Germany, upon invitation by Japan Tobacco International.

This meeting was exceptional as it was split over two days. The afternoon of 26 April was dedicated to a thorough review of the protocol and the statistical evaluation of PTM's annual Proficiency Test on Physical Parameters. The protocol was revised based on the support and advice of a statistician and adapted to the needs of the participants. As a consequence the character of this annual study has been changed so that at the meeting of the Scientific Commission on 8-9 June it was decided to rename these studies to Collaborative Study on Physical Parameters. This change will already apply to the ongoing study.

On 27 April all open projects in the PTM Sub-Group were discussed and finally, thanks to active contributions from a number of participants, there are no pending reports on past projects, as seven reports have been published on the CORESTA website since the last meeting in October 2016. This frees up resources that the PTM Sub-Group can dedicate to new projects.

Apart from the routine projects related to the round robin tests on calibration standards for air permeability, pressure drop and ventilation and the annual collaborative study on physical parameters, which are currently ongoing, a proficiency test on the measurement of diffusion capacity has also been completed.

The PTM Sub-Group continues to work on a draft for a new CRM on snus pouch sealing strength. The progress of this project was reviewed in the meeting and some work still needs to be done, particularly with respect to sample handling and preparation in order to further improve repeatability and reproducibility.

As a new project, the measurement of physical parameters of flavour capsules for cigarette filters was discussed. Initially PTM intends to look into the measurement of the crush strength of these capsules. So far, however, the number of participants is still low - CORESTA members interested in participating in this project are kindly encouraged to contact the PTM Coordinator.

Due to the two-day meeting there was also time to have a guided tour through Trier, the oldest city in Germany, visiting a number of ancient places and buildings and learning about its Roman history.

The 25<sup>th</sup> meeting of the PTM Sub-Group will take place on 8 October 2017 in Kitzbühel, Austria, prior to the CORESTA Smoke Science and Product Technology Joint Study Groups Meeting.



Participants at the PTM SG meeting enjoying a tour of Trier guided by a "Roman citizen"

## CORESTA REPORTS (continued)

- **Determination of Nitrite and Nitrate in Smokeless Tobacco Products by Ion Chromatography and Continuous Flow Analysis - 2016 Collaborative Study**

Technical Report [TTPA-114-CTR] – July 2017 (Sub-Group Tobacco and Tobacco Products Analytes)

This small scale investigational study was carried out to check if the use of ion chromatography (IC) and/or continuous flow analysis (CFA) to determine nitrite and nitrate in smokeless tobacco products produced similar results. The study demonstrated that the supplied IC method and the participant's CFA methods provided comparable data and are suitable for the determination of nitrite and nitrate in smokeless tobacco. It was therefore decided that the development of a CRM was not necessary.

- **2017 Metals Proficiency Study**

Technical Report [TTPA-125-CTR] – July 2017 (Sub-Group Tobacco and Tobacco Products Analytes)

A proficiency study was carried out in 2015 to provide an initial assessment of laboratory capabilities for the analysis of specific metal trace elements in several tobacco and non-tobacco plant matrices. Laboratories were requested to determine arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), nickel (Ni), lead (Pb), and selenium (Se) using inductively coupled plasma mass spectrometry (ICP-MS). This second proficiency study is a follow-up of the first study and provides further recommendations for improvement of laboratory analysis methods.

## CORESTA COMMUNICATION AT EXTERNAL EVENTS

### Tobacco Merchants Association (TMA) 102<sup>nd</sup> Annual Meeting & Conference



TMA's 102<sup>nd</sup> Annual Meeting & Conference held 10-12 May 2017 in Chantilly, VA, USA, provided the opportunity for stakeholders to gather and discuss the critical issues facing tobacco and vapour in 2017 and beyond. This year's theme, "Understanding, Navigating & Embracing Change", explored change and the overlapping needs of all stakeholders to gauge its impact on business, policy-making and civil society.

Dr. Rob Stevens presented on behalf of CORESTA, and participated in a panel discussion entitled "Testing Methodologies for Deemed Products." The focus of this session was on how companies develop and apply testing methodologies necessary in nicotine regulatory science, and the role industry should play in advancing state of the art of testing methodologies. Never has the need for companies to demonstrate their product knowledge, including levels of HPHCs and how those levels compare with other products, been greater – from its inclusion as a suggestion in CTP regulatory pathway guidance to its prominent position in CTP's draft NNN rule for smokeless products.

Huub Vizée, President of the CORESTA Board, participated in the panel discussion. Both Rob and Huub highlighted the value CORESTA provides through advancing tobacco science and conducting sound collaborative studies. Through collaboration, transparency, and the courage to change, CORESTA embraces the opportunity to help stakeholders in the tobacco area to understand, navigate, and lead change.

### 6<sup>th</sup> Latin American Pesticide Residue Workshop (LAPRW 2017)



LAPRW 2017, the Latin American Pesticide Residue Workshop, was hosted in San Jose, Costa Rica, from 14-17 May. Masahiro Miyoshi on behalf of the AA Sub-Group presented a poster entitled "Proficiency Testing for Pesticide Residues Analysis in Tobacco", which generally reviewed all previous rounds of the testing performed under AA Sub-Group activities. The LAPRW is an open forum, with around 400 participants from food and environment control agencies, research institutes, universities, private laboratories, regulatory bodies, food and beverage industry and agrochemical industry, for discussion about the latest concepts and developments in the field of pesticide residues in food and environmental samples. Several participants showed great interest in the tobacco specific proficiency testing.

### Electronic Nicotine Delivery Systems Conference (ENDS 2017)



ENDS 2017, the Electronic Nicotine Delivery Systems Conference, was held in London, UK, from 14-15 June. Derek Mariner, member of the EVAP Sub-Group, made a presentation on "The value of collaboration in the development of e-cigarette test methods", highlighting the development of CRM 84. ENDS 2017 was a small conference, with about 100 delegates from large and small e-cigarette manufacturers, but the majority from suppliers of services to the industry (including exhibits) e.g. contract chemical testing and toxicology consultants. The content was mostly UK/EU focussed considering Tobacco Product Directive 2 (TPD2) requirements. Speakers included industry and contract laboratories, the UK Medicines and Healthcare products Regulatory Agency (UK agency responsible for assessing TPD notifications), BSI and the UK Committee of Advertising Practice.

### Global Forum on Nicotine (GFN 2017)



GFN 2017, the 4<sup>th</sup> Global Forum on Nicotine was held in Warsaw, Poland, from 16-17 June. This event focusses on the role of safer nicotine products that help people switch from smoking. The Scientific Commission and Board of CORESTA considered it was an opportune platform to demonstrate the collaborative scientific work done by the Association and possibly raise interest from independent labs. While the oral programme of the GFN, which gains in audience every year, was oriented on regulatory issues, health reduction policies and consumer behaviour, the posters were more on the science behind new products, for a large part on the heated tobacco devices. Pierre-Marie Guitton, CORESTA Secretary General, and Gene Gillman, Secretary of the EVAP Sub-Group, presented two posters: one on a general overview of the vision, purpose and international collaborative work of CORESTA, and the second on the "Collaborative study on glycerin, propylene glycol, water and nicotine in e-cigarettes aerosol", which led to the CORESTA Recommended Method No. 84.

Although only a few delegates stopped by the posters, some interesting contacts were nevertheless made. However, unlike former years, the GFN audience was more interested in policy than in analytical science.

All the above presentations can be viewed in the Information/CORESTA Communication section of the CORESTA website.





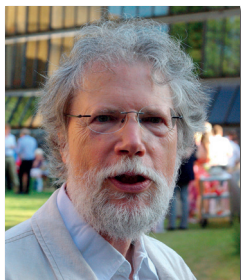
## UPCOMING CORESTA MEETINGS (2017)

Meeting	Date	Location
SG Agrochemical Analysis (AA)	5-6 September	San Salvador de Jujuy, Argentina
SG Routine Analytical Chemistry (RAC)	7 October	Kitzbüchel, Austria
SG Tobacco and Tobacco Products Analytes (TTPA) (ex STS)	7 October	Kitzbüchel, Austria
SG Physical Test Methods (PTM)	8 October	Kitzbüchel, Austria
SG E-Vapour (EVAP)	8 October	Kitzbüchel, Austria
SG Smoke Analytes (SMA) (ex SPA)	8 October	Kitzbüchel, Austria
TF Cigarette Variability (CVAR)	8 October	Kitzbüchel, Austria
SG Product Use Behaviour (PUB) (ex TSB)	8 October	Kitzbüchel, Austria
SG Biomarkers (BMK)	8 October	Kitzbüchel, Austria
SG In Vitro Toxicity Testing (IVT)	8 October	Kitzbüchel, Austria
Board	8 October	Kitzbüchel, Austria
<b>SMOKE SCIENCE and PRODUCT TECHNOLOGY</b>	<b>8-12 October</b>	<b>Kitzbüchel, Austria</b>
SG Agrochemical Residue Field Trials (RFT)	21 October	Santa Cruz do Sul, Brazil
TF Agro-Phyto Information Collection (APIC)	22 October	Santa Cruz do Sul, Brazil
SG Collaborative Study Black Shank (BKS)	22 October	Santa Cruz do Sul, Brazil
SG Integrated Pest Management (IPM)	22 October	Santa Cruz do Sul, Brazil
TF Tobacco Alkaloid Genetics (TAG)	22 October	Santa Cruz do Sul, Brazil
SG TSNA in Air-Cured and Fire-Cured Tobacco (TSNA)	22 October	Santa Cruz do Sul, Brazil
SG Proficiency Testing for Detection of Transgenic Tobacco (GMO)	22 October	Santa Cruz do Sul, Brazil
SG Efficacy of Biological and Eco-Friendly CPAs (BIO)	22 October	Santa Cruz do Sul, Brazil
TF Tobacco Biotechnology and Omics (TBO)	22 October	Santa Cruz do Sul, Brazil
Agrochemical Advisory Committee (ACAC)	22 October	Santa Cruz do Sul, Brazil
<b>AGRONOMY &amp; LEAF INTEGRITY and PHYTOPATHOLOGY &amp; GENETICS</b>	<b>22-26 October</b>	<b>Santa Cruz do Sul, Brazil</b>

### Acronyms / Abbreviations used in the Newsletter

ACAC . . . . .	CORESTA Agrochemical Advisory Committee	ISO . . . . .	International Organization for Standardization
AP . . . . .	Agronomy & Leaf Integrity and Phytopathology & Genetics (Agro-Phyto)	LAPRW . . . . .	Latin American Pesticide Residue Workshop
AP2017 . . . . .	2017 Agronomy & Leaf Integrity and Phytopathology & Genetics Joint Study Groups Meeting	LC-MS/MS . . . . .	Liquid Chromatography - Tandem Mass Spectrometry
B[a]P . . . . .	Benzo[a]pyrene	NGO . . . . .	Non-Governmental Organisation
BMK . . . . .	Biomarkers	NNN . . . . .	N'-nitrosornicotine
BSI . . . . .	British Standards Institution	PMO . . . . .	Project Management Office
CARD . . . . .	CORESTA Agrochemical Database	PTM . . . . .	Physical Test Methods
CEN . . . . .	Comité Européen de Normalisation	PUB . . . . .	Product Use Behaviour
CNAM . . . . .	Conservatoire National des Arts et Métiers	R&D . . . . .	Research & Development
CORESTA . . . . .	Cooperation Centre for Scientific Research Relative to Tobacco	SC . . . . .	Scientific Commission
CPA . . . . .	Crop Protection Agent	SG . . . . .	Sub-Group
CRM . . . . .	CORESTA Recommended Method	SGTF . . . . .	Sub-Group and Task Force
CRP . . . . .	CORESTA Reference Product	SSPT . . . . .	Smoke Science and Product Technology (Smoke-Techno)
CTP . . . . .	Center for Tobacco Products	SSPT2017 . . . . .	2017 Smoke Science and Product Technology Joint Study Groups Meeting
CTR . . . . .	CORESTA Technical Report	STP . . . . .	Sustainable Tobacco Production
CVAR . . . . .	Cigarette Variability	TBO . . . . .	Tobacco Biotechnology and Omics
ENDS . . . . .	Electronic Nicotine Delivery Systems	TC . . . . .	Technical Committee
EU . . . . .	European Union	TF . . . . .	Task Force
EVAP . . . . .	E-Vapour	TPD . . . . .	Tobacco Product Directive
FDA . . . . .	Food and Drug Administration (USA)	TMA . . . . .	Tobacco Merchants Association
GFN . . . . .	Global Forum on Nicotine	TSNA . . . . .	Tobacco Specific Nitrosamines
GMO . . . . .	Genetically Modified Organism	UK . . . . .	United Kingdom
GRL . . . . .	Guidance Residue Level	UNISC . . . . .	Universidade de Santa Cruz do Sul
HPHCs . . . . .	Harmful and Potentially Harmful Constituents	USA . . . . .	United States of America
ICP-MS . . . . .	Inductively Coupled Plasma Mass Spectrometry	WG . . . . .	Working Group
IPM . . . . .	Integrated Pest Management		

## OBITUARIES

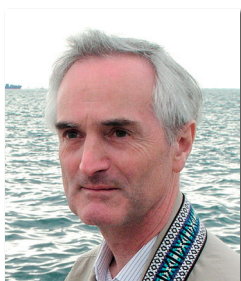


### CLAUDE JOIGNY

Dr Claude Joigny passed away suddenly in May 2017.

Claude studied chemistry and graduated with a PhD. He rose through the ranks of the former French tobacco monopoly, SEITA, and became Director of its Chemistry Laboratory. From 1988-1995 he was Director of SEITA's Institut de Tabac in Bergerac. He was then appointed Head of Scientific Oversight within SEITA's R&D Department, a position he held until his retirement in 1999, after which he contributed on a volunteer basis to the work of ISO/TC 126 for over ten years.

Claude served on the CORESTA Scientific Commission (SC) through most of the 1980s, as Member, Secretary and President respectively of the Smoke Study Group, and then Vice-President of the SC from 1988-1990. In 1988 Claude received a bronze medal for his contributions to the association.



### NEIL SINCLAIR

Dr Neil Sinclair passed away in July 2017 after a long illness bravely borne.

Neil obtained a DPhil in Chemistry from the University of Oxford. He showed an early interest in physiology and became involved in smoking and health issues. He spent many years with Rothmans and joined Japan Tobacco International in Geneva in 2000. He held various positions within the company until being appointed Vice-President for Scientific Issues. At the end of 2006 he retired and left Switzerland to return to his native United Kingdom.

Within CORESTA Neil was pivotal in the activities of the Smoking Behaviour Sub-Group (now named Product Use Behaviour Sub-Group). He also served on the Scientific Commission as Secretary for the Product Technology Study Group from 2000-2002 and then Secretary for the Smoke Science Study Group from 2002-2004. He was awarded a bronze medal at the CORESTA Congress in Kyoto in 2004.

CORESTA extends its sincere condolences to Michèle Joigny and Betty Sinclair and their families on their loss. Claude and Neil were held in high esteem by their peers within CORESTA and will be fondly and gratefully remembered for their contribution to the work of the association.

