



# **CORESTA Report**

**ISO/TC126 - 39<sup>th</sup> Meeting**

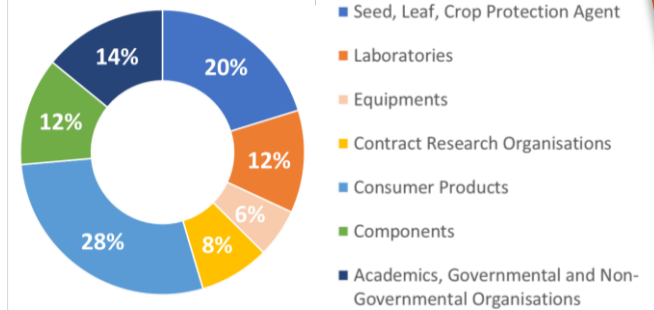
**Catania, Italy**

**9 April 2024**



# CORESTA in brief

- CORESTA is a non-profit association created in 1956 and governed by French law (Statutes are publicly available).
- More than 165 organisations from more than 40 countries are Members.
- More than 800 scientists cooperate in 25 working groups on a wide range of scientific topics.
- The list of active projects is publicly available on the CORESTA website as well as reports, methods and guides developed by the working groups.



Cooperation Centre for Scientific Research Relative to Tobacco  
Centre de Coopération pour les Recherches Scientifiques Relatives au Tabac

ABOUT US ▾ STUDY GROUPS ▾ DOCUMENTS ▾ EVENTS ▾

## Study Groups

Agronomy & Leaf Integrity	>
Phytopathology & Genetics	>
Smoke Science	>
Product Technology	>
Committees	>
Active Projects	>

## Active Projects

> Agronomy & Leaf Integrity	
> Phytopathology & Genetics	
> Smoke Science	
> Product Technology	
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> Active Projects	

AA - Agrochemicals Analysis	20th FAPAS CPA Analysis P
AA - Agrochemicals Analysis	Revision Guide No. 5 on Pesticides
AA - Agrochemicals Analysis	20th FAPAS CPA Analysis P
ACAC - Agro-Chemical Advisory Committee	Guide on Technical Aspects
ACAC - Agro-Chemical Advisory Committee	Update of CORESTA Guide for Agents (CPAs) in Tobacco L
ACAC - Agro-Chemical Advisory Committee	Update of CORESTA Guide for Cigar Dark Air-Cured Tobacco



# CORESTA Strategy

**MISSION** To promote and facilitate international cooperation and best practices in scientific research relative to tobacco and its derived products

**VISION** To be recognised 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

4 strategic areas and objectives


8 strategic subjects

16 workstreams

5-year plans

> 70 projects

Deliverables



Conventional Products	Maintain test methods and good production practices for traditional tobacco products.
Emerging Products	Lead the future by scientific knowledge & method development.
Regulatory Landscape	Support responsible regulation by developing methods and best practices to support regulators' objectives.
Sustainability	Conduct research that promotes good health & well-being, economic growth, responsible production.



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Good Agricultural Practices	Product Testing
Plant Breeding	Product Knowledge
Pest & Disease	Biological Assessment
Nicotine & Leaf Composition	Perception & Behaviour



# CORESTA Strategy

2024

5-year plans

2028

Area	5-year plans
Product testing	<ul style="list-style-type: none"><li>• Keep and develop recommended methods for conventional and emerging products.</li><li>• Develop CORESTA reference products (e.g. HTP, OND).</li><li>• Quality and safety guidance for emerging products</li></ul>
Product knowledge	<ul style="list-style-type: none"><li>• Understand product variability.</li><li>• Quality and safety guidance for emerging and nicotine products.</li><li>• Terminology and definitions.</li><li>• Non-targeted analyses.</li></ul>
Biological Assessment	<ul style="list-style-type: none"><li>• In vitro "CORESTA battery" inter-lab proficiency studies.</li><li>• Novel Assessment Methodologies.</li><li>• Guidance on testing using 3D reconstituted human tissue models.</li><li>• Finalize tobacco data standards for clinical studies.</li><li>• Develop guidelines and best practices for fit-for-purpose COPD biomarkers.</li><li>• Develop understanding of mechanistic pathways and identify clinically biomarkers for Cardiovascular Disease.</li><li>• Identification future fit-for-purpose biomarkers.</li></ul>
Perception & Behaviour	<ul style="list-style-type: none"><li>• Investigate, guide and inform on product use behaviour &amp; Consumer Reported Outcome Measures.</li><li>• Guide on 'Human Factors' methodologies for regulatory submission.</li><li>• Provide guidance to develop fit for purpose population modelling.</li><li>• CROM repository available on CORESTA website.</li></ul>
Nicotine & Leaf Composition	<ul style="list-style-type: none"><li>• Conduct field trials and collaborative studies related to low nicotine.</li><li>• Conduct field trials and collaborative studies related to TSNA.</li><li>• Explore the needs and workstreams toward leaf flavour and other constituents related to harm reduction.</li></ul>
Pest & Disease	<ul style="list-style-type: none"><li>• Conduct field trials and collaborative studies related to crop protection agent (CPA) residues, and pest/disease management.</li><li>• Monitor plant breeding, growing and labour practices.</li><li>• Develop raw material production tools and guidelines for emerging products.</li><li>• Explore new opportunities in emerging scientific research areas (smart agriculture, ESG, emerging product supply chain, etc.).</li></ul>
Plant Breeding	
Good Agricultural Practices	<ul style="list-style-type: none"><li>• Develop guidelines and best practices for new and existing CPAs.</li><li>• Develop a roadmap to support UN SDG and regulatory initiatives across the world.</li><li>• Provide practical guidance to support tobacco harm reduction (GTS, CPAs, VLN, etc.).</li></ul>

Information published on [www.coresta.org](http://www.coresta.org)



# CORESTA Strategy

2024

2-year deliverables

2025

Area	Deliverables
Product testing	<ul style="list-style-type: none"><li>• Maintenance of existing CRMs for conventional and emerging products</li><li>• New CRMs for conventional and emerging products</li><li>• CORESTA reference products for cigarette and oral nicotine products</li><li>• CORESTA EVAP reference device replacement</li></ul>
Product knowledge	<ul style="list-style-type: none"><li>• Quality and safety guidance for nicotine pouches</li><li>• Guidelines for Non-targeted Analysis of EVAP &amp; HTP Substrates and Emissions</li><li>• HTP definitions and methodologies</li></ul>
Biological Assessment	<ul style="list-style-type: none"><li>• In vitro «CORESTA battery» inter-lab proficiency studies published</li><li>• Report and publication of 21st century toxicology for emerging products</li><li>• High Content Screening standardization</li><li>• Evaluation of ToxTracker assay for applicability for Biomarker assessment</li><li>• CORESTA Guide on the best practices in the application of biomarkers of exposure as compliance measures in long-term ambulatory</li><li>• Technical report on tobacco data standard for clinical studies</li></ul>
Perception & Behaviour	<ul style="list-style-type: none"><li>• Tools for evaluation of consumer exposure, perception and behaviour</li><li>• New TF on Population Modelling</li><li>• Publications on Product Use Behaviour (PUB) definitions &amp; methodologies for PUB assessment</li><li>• Publications on Consumer Reported Outcome Measures (CROM) guidelines</li><li>• Workshop/Symposium/Educational training on CROM</li></ul>
Nicotine & Leaf Composition	<ul style="list-style-type: none"><li>• Conclude LNTP field evaluations, produce reports and prepare publication</li><li>• Conduct TSN field trials and produce report</li></ul>
Pest & Disease	<ul style="list-style-type: none"><li>• Conclude field evaluations, produce reports for Residue Field Trials and Bio-pesticides</li><li>• Transition Integrated Pest Management (IPM) website to CORESTA and post latest version of draft IPM doc.</li><li>• Identify sustainable solution for GMO SG samples</li><li>• Deliver Webinars and Workshops</li></ul>
Plant Breeding	<ul style="list-style-type: none"><li>• Sustainable solution for public germplasm collection</li><li>• Conclude revisions of ACAC Guides 19, 21, and 27</li></ul>
Good Agricultural Practices	<ul style="list-style-type: none"><li>• Incorporate CPA residue data for GRLs for Guide No. 1 update</li><li>• Publ. of GTS literature review and conclude Oriental GTS evaluation</li><li>• Finalise comprehensive review of the Guide No. 17</li><li>• PSMST: Hold ICC and finalise sulfonyl fluoride evaluation</li></ul>

Information published on [www.coresta.org](http://www.coresta.org)



# CORESTA Strategy

## Recent achievements

- **New Task Force on Nicotine Pouches Safety & Quality to develop a CORESTA Technical Guideline describing best practices.**
- **New Committee on Tobacco Harm Reduction to develop and execute actionable objectives to advance the science related to Tobacco Harm Reduction.**
- **Public webinar on Low Nicotine Tobacco Production.**
- **Public webinar on CPA Residue Proficiency Testing.**
- **Guide No. 16 "Molecular Markers in Tobacco" – Revised version.**
- **Guide No. 17 - Sustainability in Leaf Tobacco Production – Revised version.**



# CORESTA Strategy

## Recent achievements

- **16<sup>th</sup> Round Robin Test for Multi-Capillary Pressure Drop Calibration Standards and Collaborative Studies on Physical Parameters of Cigarettes and Filter Rods, and on paper Air Permeability.**
- **Technical Guide for CORESTA Ignition Propensity Monitor Test Piece Production and Evaluation Requirements.**
- **Collaborative Study and CRM No. 104 - Determination of NO<sub>x</sub> in Mainstream Cigarette Smoke by Chemiluminescence.**
- **Collaborative Study and CRM No. 105 - Determination of Nicotine Impurities and Degradants in Nicotine Pouches by LC-MS/MS.**
- **Collaborative Study and CRM No.106 for the Determination of HCN in Mainstream Cigarette Smoke by CFA.**
- **CRM No.107 for the Determination of Glycerol, PG and Nicotine in the Aerosol of Heated Tobacco Products by GC.**
- **Best Practices and Guidelines with respect to Psychometric CROM for Use in Research on Tobacco and Nicotine Containing Products.**





# CORESTA Strategy

Projects recently launched

Full list publicly available on CORESTA website.

- ▶ • **20<sup>th</sup> FAPAS CPA Analysis Proficiency Test.**
  - ▶ • **9<sup>th</sup> Proficiency Test for Detection of Transgenic Tobacco.**
  - ▶ • **2<sup>nd</sup> Round Robin Test on Low Pressure Drop Calibration Standards.**
  - ▶ • **Reference Device for E-Cigarette Aerosol - Glycerine, Propylene Glycol, Water, and Nicotine in Aerosol by GC.**
  - **Guidelines for Non-targeted Analysis of E-vapour and Heated Tobacco Product Substrates and Emissions.**
- ▶ Potentially interesting collaborative studies for non-CORESTA ISO members



# CORESTA Strategy

Projects recently launched

Full list publicly available on CORESTA website.

- ▶ • **Ames Test Study - Inter-Laboratory Proficiency Study.**
  - **Evaluation of OECD's Guidance on Good In Vitro Method Practices and applicability for emerging product.**
  - **Guidance for conducting cytotoxicity and genotoxicity hazard characterization of e-liquids.**
  - **Guidance for High Content Screening as a possible future New Assessment Methodology (NAM).**
  - **Guide on the Selection of Appropriate Intense or Alternate Puffing Regimes for Heated Tobacco Products.**
  - ▶ • **Study of the Long-Term Variability of HPHC in Commercial Cigars.**
  - **Building a "Fit-for-Purpose" Repository for Descriptive and Psychometric Consumer Reported Outcome Measures.**
- ▶ Potentially interesting collaborative studies for non-CORESTA ISO members

- It is possible for non-CORESTA Members to participate in CORESTA working groups and studies as Guests
  - Contributor
  - Speaker
  - Observer
- Please contact me ([scolard@coresta.org](mailto:scolard@coresta.org)) if your organisation would like to participate in certain studies.

## RULES FOR THE PARTICIPATION OF NON-MEMBER ORGANIZATIONS IN THE ACTIVITY OF WORKING GROUPS

(June 2022)

The following policy is designed to regularize and standardize the participation of non-member organizations in the work of Sub-Groups, Task Forces and Committees. People designated by these organizations are referred to as Guests.

Any modification of the present policy shall be approved by an Ordinary General Assembly.

### The categories of Guests

- **Contributor:** a person actively participating in the activity of a Working Group such as a proficiency test or a collaborative study. Contributors may take part in discussions and present.
- **Speaker:** a person invited by the Working Group Coordinator to attend one or more of their meetings. Speakers may take part in discussion and present.
- **Observer:** a person attending one specific Working Group meeting without the possibility to formally take part in discussion or present.

### Rules governing the participation of Guests in Working Group activities and meetings

All Guests have to accept the rules and procedures governing CORESTA. Distributing non-published work of a Working Group is a major breach of the rules of CORESTA.

They will be asked to sign a commitment form regarding these rules.

Agendas for all Working Group meetings must indicate any Guests attending as Contributors, Speakers and/or Observers. The Coordinator is expected to introduce such individuals to Sub-Group and Task Force Delegates.

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# Upcoming Events



- **11 working group meetings**
- **14-16 May 2024, Toronto, Canada**  
(Smoke Analysis, Non-Targeted Analysis, E-Vapour Products, Heated Tobacco Products, In-Vitro Tox, Next Gen Tox, Biomarkers, Product Use Behaviour, Consumer Reported Outcome Measure, Nicotine Pouches Safety and Quality, Tobacco Harm Reduction)



- **Annual Congress**
- **13-17 October 2024, Edinburgh, UK**
- **Call for papers published**  
Abstract submission deadline: **17 May 2024**

**Thank you for your attention!**