Standards and tools for evaluating cocoa – a timeline and progress since 2015

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Representing the Working Group on the Development of International Standards for the Assessment of Cocoa Quality and Flavours





Fine and Flavour Cocoa Forum

22-25 APRIL 2018 MARITIM HOTEL BERLIN BERLIN, GERMANY





Common objective recognised

- Urgent need to establish accepted, credible and verifiable protocols for assessing and communicating about cocoa quality attributes
- Sept 2015 Working Group set up "To explore the development of international standards for the assessment of cocoa quality and flavours" Coordinated by the Cocoa of Excellence Programme.



Vorld Cocoa oundation

Working Group partnership

- Amacacao/KUNAKakaw: Juan Francisco Mollinedo Amacacao/KUNAKakaw, Guatemala
- Belcolade/Puratos: Julien Simonis Belcolade/Puratos, Belgium
- CAF/ILAC: Federico Vignati Iniciativa Latinoamericana del Cacao, Peru
- CBI: Nubia Martinez Centre for the Promotion of Imports from Developing Countries, Peru
- CoEx: Brigitte Laliberté Bioversity International/CacaoNet/Cocoa of Excellence Programme- coordinator of the WG, Italy
- CRC: Darin Sukha Cocoa Research Centre, Trinidad and Tobago
- CRS: Kraig Kraft Catholic Relief Services, El Salvador
- ECOM: Daniel Domingo ECOM, USA
- EE: Christina Liberati Equal Exchange, USA
- FCIA: Brad Kintzer, Vice-President of the Fine Chocolate Industry Association, USA
- FCCI: Carla Martin Fine Cacao and Chocolate Institute, USA
- Guittard: John Kehoe Guittard Chocolate, USA
 - ICCO: Yunusa Abubakar International Cocoa Organization, Côte d'Ivoire
- IICCT: Martin Christy International Institute of Chocolate & Cacao Tasting, UK
- LWR: Carolina Aguilar Lutheran World Relief, USA
- LWR: Rick Peyser Lutheran World Relief, USA providing critical input from the coffee sector
- Seguine/Guittard: Ed Seguine Seguine Cacao and Chocolate/Guittard Chocolate, USA
- Valrhona: Pierre Costet Valrhona, France
 - WCF: Paul Macek World Cocoa Foundation, USA



Review of what was being done

- Cocoa of Excellence Programme and International Cocoa Awards CoEx/ICA
- Cocoa Research Centre of the University of the West Indies CRC
- Centre for the Promotion of Imports from developing countries CBI
- Equal Exchange/TCHO Cooperative Development Program **EE/TCHO CDP**
- Fine Cocoa and Chocolate Institute FCCI
- Heirloom Cocoa Preservation Project HCP of FCIA
- Iniciativa Latinoamericana del Cacao organized by the Banco de Desarrollo de América Latina - CAF/ILAC
- Institute of Cocoa and Chocolate Tasting IICCT
- Mesoamerican Association of Fine Cacao and Chocolate AMACACAO

Steps towards a havmonized international standard for cocoa flavour assessment – a review of current protocols and practices

> Darin A. Sukha (PhD) May 2016





Elements of a harmonized international standard for cocoa flavour assessment - a proposal for further consultation

> Darin A. Sukha (PhD) May 2016





Broad Consultations with value chain actors

International Stakeholders Consultation on the Development and Validation of Proposed International Standards on Cocoa Quality and Flavour Assessments

- Managua: September 2017 62 participants
- Paris: October 2017 75 participants
 - WHAT: Agree on international standards for assessing cocoa quality and flavours, from physical evaluation of cocoa beans, to sensory evaluation of liquor, powder and chocolate.
 - WHY: Help cocoa farmers and cooperatives better understand the unique characteristics and qualities of their cocoas and those demanded by the market to un-lock their value and flavour potential.
 - Optimize the expression of cocoa bean genetic flavour potential and "terroirs" to benefit farmers for niche marketing their beans and origins at best prices.



Broad Consultations

Managua, Nicaragua





International stakeholders' consultations on the development and validation of proposed international standards on cocoa quality and flavour assessment

Managua, Nicaragua, 19 – 21 September 2017 and Paris, France, 30 October 2017

Reports compiled by Brigitte Laliberte, Cocoa of Excellence Programme Bioversity International, Rome, Italy November 2017

Paris, France



Consultation Report: <u>www.cocoaofexcellence.org/info-and-resources/quality-and-flavour-assessment/</u>



Reformatting of the standard from the Broad Consultations

0.2 Introduction – objective of the standards and scope of this manual	
0.3 Acknowledgments of contributions and support	
	Sections
	 3.1.2.5.Annexes (Form, calculations, charts, graphs)
	3 Coarse/Pre-grinding cocoa nibs
	4 Liquefying Cocoa Mass
	5 Chocolate Formulation
	6 Mixing, Refining and Conching Chocolate
	7 Tempering and Moulding Chocolate
	Is for Sample Assessment
	1 Tasting Area and Sample Preparation 2 Coarse Powder Tasting
	3 Cocoa Liquor Tasting
	4 Chocolate Tasting
	Is for Training in Flavour Assessment
	1 Tasting Area and Sample Preparation
	2 Coarse Powder Tasting
o 3.2.	3 Cocoa Liquor Tasting
o 3.2.	4 Chocolate Tasting
Annexes	
References	
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	 3.1. 3.1. 3.1. 3.1. 3.2 Protoco 3.2. 3.2. 3.2. 3.2. 3.3 Protoco 3.2. 3.3. 3.4. 3.4.



Strategy from the Broad Consultations

- GOAL A clear communication throughout the value chain

 (cocoa producers, bean buyers/traders, chocolate makers
 and other users) using a common language
- WHAT to identify the intrinsic flavour attributes and characteristics (flavour potential) of the beans when beans are converted into chocolate
- WHY Unlock the value and empower producers and buyers so users can decide how to use the beans
- HOW targeted marketing flavour customisation to meet customers' needs



Implementation of Recommendations

- Move forward with <u>revision of document based on proposed reorganization</u> <u>of info/data</u>, and compilation of existing protocols available in public domain.
- Identify the protocols ready for use (published and accepted) and immediately those for which limited discussion is needed to come to agreement.
- 3. Focus initially on <u>sample preparation</u> to build trust and consensus.
- 4. Testing recommended equipment in different locations.
- Small Technical <u>Task Forces (4-6 experts)</u> for recommendation to the larger Working Group.
- 6. Keep the collaboration inclusive and open for input.
- 7. Ensure that final products are global public goods.

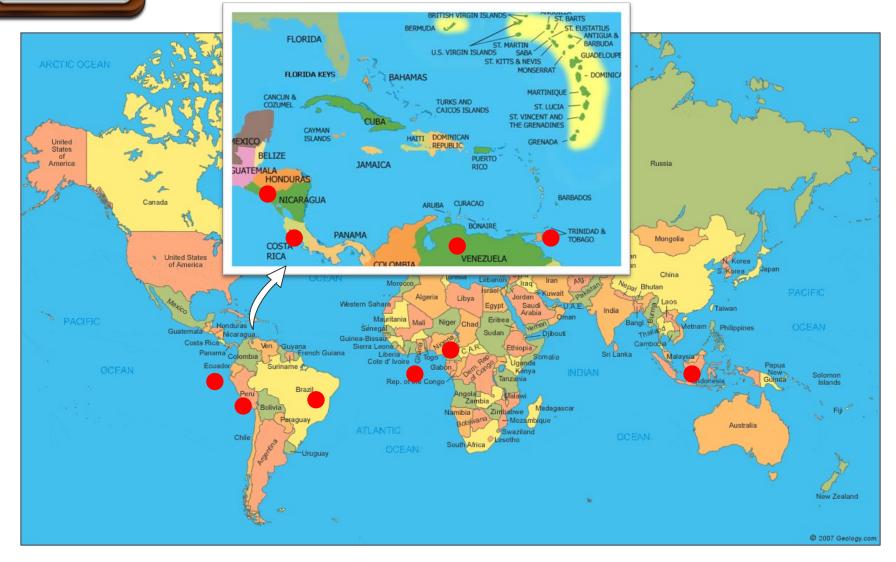




2018 and Beyond

- Ensure the Working Group is inclusive
- Finalise the Version 1.0 of the standards
- Select and prepare flavour reference samples
- Develop training programme and certification
- Strengthen capacity of cocoa-producing countries for sensory evaluation and panels (lab & equipment)
- Long-term sustainability of the standards with everybody involved – the need is great and all can/should play a part

Cocoa Quality Laboratories in cocoa research and innovation centres at origin around the world



2018...

