



2() | /

International Symposium on Cocoa Research

Promoting Advances in Research to Enhance the Profitability of Cocoa Farming

PROGRAMME

13 – 17 November 2017 Swissôtel, Lima, Peru



Brigitte Laliberte, Bioversity International - Chair of the 2017 ISCR Scientific Committee



Objective and General Theme

Objective - Review recent advances in technology and innovations, share information and agree on common strategies

- Aimed at accelerating the development of the world cocoa sector.
- To improve livelihoods in cocoa farming communities.

ISCR general theme -

Promoting Advances in Research to Enhance the Profitability of Cocoa Farming



Specific Thematic Areas

Research papers invited for oral presentation, poster and full paper in proceedings:

	Thematic Area	Including
1	Genetics & Breeding	Genetic resources and diversity, genomics, accelerated/traditional breeding and propagation
2	Agronomy, agroforestry & physiology	Soil and water management, cocoa nutrition management, heavy metals, crop mechanization and irrigation
3	Cocoa pests & diseases	Emerging threats, management etc.
4	Environmental issues in the cocoa sector	Climate change adaptation and mitigation, sustainability for smallholders, intensified and mechanized systems
5	Cocoa quality, flavour, chocolate manufacturing, consumption & food safety	Efficient utilization of cocoa and cocoa by-products
6	Cocoa marketing & socio- economic analysis	Role of cocoa farmers' livelihood strategies, living income, improved value chains and market access)
7	Adoption of technologies & efficient utilization of results from research	Focus on understanding and addressing the constraints to adoption



Abstract submission

Deadline 31 May 2017

	Thematic Area	English	French	Spanish	Total
1	Genetics & Breeding	29	5	16	50
2	Agronomy, agroforestry & physiology	35	4	24	63
3	Cocoa pests & diseases	37	5	13	55
4	Environmental issues in the cocoa sector	10	1	4	15
5	Cocoa quality, flavour, chocolate manufacturing, consumption & food safety	32	3	9	44
6	Cocoa marketing & socio-economic analysis	22		3	25
7	Adoption of technologies & efficient utilization of results from research	19		6	25
	Total	184	18	75	277



Scientific Committee

Appointed by ICCO – To review papers, develop the programme and advice to ICCO on organization

- 1. Brigitte Laliberté Bioversity International, Italy - Chair
- 2. Carlos Leyva Senasa, Peru
- 3. Christian Cilas CIRAD, France
- David Guest The University of Sydney, Australia
- **5. Elizabeth Johnson**, IICA, Jamaica
- **6. Franklin Manu Amoah** CRIG, Ghana
- 7. Martin Gilmour Mars Global Chocolate, UK
- 8. Michelle End CRA Ltd. UK

- 9. Nanga Coulibaly CCC, Côte d'Ivoire
- **10. Path Umaharan** CRC/UWI, Trinidad and Tobago
- **11. Paul Hadley** University of Reading, UK
- **12. Siela Maximova** Penn State University, USA
- **13. Soetanto Abdoellah** ICCRI, Indonesia
- **14. Verina Ingram** Wageningen University, The Netherlands
- **15. Wilbert Phillips-Mora** CATIE, Costa Rica



- **June** Review of all 277 abstracts submitted by the Scientific Committee (SC)
- <u>11-13 July</u> Meeting of the SC at Bioversity in Rome to select abstracts and develop the first version of the Programme
- <u>August Oct</u> All authors informed by ICCO and confirmed participation
- November Detailed Programme finalized
- **<u>Thematic Areas revised</u>** based on actual abstract submissions
- Competitive process

Thematic Area	
 Oral presentations – 10 minutes – 10 slides 	85
 Keynote presentations – 15 minutes – 15 slides 	9
 Poster slam - oral presentation – 1 minute – to present key features and invite people to visit! 	70
 Posters displayed from this PM until Friday 	130
 Full paper invited – to be included in the proceedings 	215



Thematic Areas Revised

	Thematic Area	NEW
1	Genetics & Breeding	T1 - Genetics & Breeding
2	Agronomy, agroforestry & physiology	T2 - Agronomic or Crop systems
3	Cocoa pests & diseases	T3 - Pests & Diseases
4	Environmental issues in the cocoa 🛁	T4 - Climate Change Adaptation & Mitigation
5	Cocoa quality, flavour, chocolate manufacturing, consumption & food safety	T5 - Quality, Flavour & Sensory Evaluation & Post Harvest
6	Cocoa marketing & socio-economic analysis	T6 – Contaminant & Food Safety – focus on Cadmium
7	Adoption of technologies & efficient utilization of results from research	T7 - Marketing, Socio-Economics & Technology/ innovation adoption/transfer



WIFI Network: guest@swissotel Select option: User access User: forocacao Password: eventos2017

Who is in the room? Go to www.menti.com Use the code **19 06 97**





2.01/

International Symposium on Cocoa Research

Promoting Advances in Research to Enhance the Profitability of Cocoa Farming

PROGRAMME

13 – 17 November 2017 Swissôtel, Lima, Peru



Monday - 13 Nov

Plenary all day

	Plenary opening and Thematic Session
10:00-12:00	Opening of the ISCR 2017
12:00-12:30	 Introduction to the Programme and logistics
12:30-14:00	• Lunch
14:00-15:30	Climate Change Adaptation and Mitigation
15:30-16:00	Coffee break
16:00-17:30	Climate Change - session continued
19:30	Conference dinner – offered by the Government of Peru
	- Room where lunches are served



Tuesday – 14 Nov

Track sessions

	Track session	Trac	k session
08:00-10:00	Genetics & Breeding Marketing & Technology Transfer		keting & Technology Transfer
10:00-10:30	Coffee break		
10:30-12:30	Genetics & Breeding Marketing & Technology Transfer		
12:30-13:15	Lunch		
13:15-14:00	Poster session – Climate Change, Genetics/Breeding, Marketing & Technology Transfer		
14:00-16:00	Genetics & Breeding Marketing & Technology Transfer		
16:00-16:30	Coffee break		
16:30-18:00	Agronomy Free		



Wednesday – 15 Nov

Track sessions

	Track session	Track session	
08:00-10:00	Pests & Diseases Quality & Flavour Assessment		
10:00-10:30	Coffee break		
10:30-12:30	Pests & Diseases Quality & Flavour Assessment		
12:30-13:15	Lunch		
13:15-14:00	Poster session – Pests & Diseases, Quality & Flavour Assessment		
14:00-16:00	Pests & Diseases Agronomy – continued		
16:00-16:30	Coffee break		
16:30-18:00	Quality & Flavour Assessment	Agronomy - continued	



Thursday – 16 Nov

Plenary all day

	Plenary Thematic session and Conclusion / closing	
08:30-10:30	Thematic Session–Contaminants & Food Safety-focus Cadmium	
10:30-11:00	Coffee break	
11:00-12:30	 Reports from each of the 7 Thematic Sessions: Advances / Constraints / Opportunities Any other key aspect of that session Discussion 	
12:30-14:00	Lunch	
14:00-15:30	Minister of Agriculture of Peru Conclusions of the Symposium	
15:30-16:00	Coffee break	
16:00-17:00	Recommendations from the ISCR 2017Report for the WCC 22-25 April, Berlin, GermanyPlans for the next ISCR Closing at 17:00Surprise – stay tuned	



General Format of Session

Thematic – sub-theme – Chair moderating

- Quick intro and any logistic information changes, announcements etc
- Keynote Presentation in some sessions
- Oral Presentations
- Poster slam session grouped for about 5-10 minutes
- Group discussions 30 45 minutes
- Break (coffee / lunch / end of day)

Note – Chair will make adjustments if discussion is needed between oral presentations

Booklet of Abstracts available on-line – by themes at time of submission - https://www.icco.org/iscr2017/programme.html



BOOKLET OF ABSTRACTS





13-17 November 2017, Swissôtel, Lima, Peru



icco.org/iscr2017

ORAL PRESENTATIONS	26
PRESENTATIONS ORALES	26
PRESENTACIONES ORALES	26

THEMATIC 1: GENETICS AND BREEDING 27

Wilton Céspedes Del Pozo

Raúl Blas Sevillano, Dapeng Zang

UNSAAC/UNIQ

Brigitte Laliberté

Michael Halewood

Bioversity International

Mathias Tahi

I. C. Trebissou, S. B. Guiraud, F. Ribeyre, Ph. Lachenaud, N. D. Pokou, K. F. N'guessan, P. N. Walet, R. A. Aka, K. Coulibaly, B. I. Kébé, M. E. Assi, B. Koné, E. Kassin, C. Cilas

Centre National de Recherche Agronomique (CNRA)

Adriana Arciniegas-Leal

Allan Mata-Quiros, Wilbert Phillips-Mora, Lyndel W. Meinhardt, Dapeng Zhang CATIE

Nubia Martínez Guerrero

Diannefair Duarte, Oscar Darío Ramírez, Gerardo Gallego, Patricia Zapata, Constanza Quintero, Joe Tohme

Federación Nacional de Cacaoteros (FEDECACAO)

DNA PROFILING OF CACAO (THEOBROMA CACAO L.) VARIETIES IN THE PHILIPPINES



Friday – 17 Nov – IN-Cocoa http://incocoa.org

INGENIC, INCOPED, INAFORESTA, INCOSOM

Informal groups **set up to facilitate collaboration** and coordination in different areas of cocoa research

- **INGENIC** cocoa genetics and breeding
- **INCOPED** cocoa pests and diseases
- **INAFORESTA** cocoa agroforestry and Environmental Interaction
- **INCOSOM** cocoa soil management
- Discussion to establish a new one on cocoa quality **INCOQUALITY**
- Announcements send out with **request to register** Thank you those registered
- Space for additional people but limited to 150 so must contact the INCOCOA secretariat to attend- Michelle End – email: <u>info@incocoa.org</u>
- Please note: **MEETING IN ENGLISH** and people can translate when needed



Friday – 17 Nov – IN-Cocoa http://incocoa.org

	INGENIC, INCOPED, INAFORESTA, INCOSOM	
08:00-09:00	Plenary Joint session - future direction of the groups and if additional groups should be created on other topics - INCOQUALITY Opening remarks from ALL groups	
09:00-10:00	 Global collaboration in cocoa research: the case of genetic resources Discussion on defining the role of In-groups 	
10:00-10:30	Coffee break	
10:30-12:00	 Individual IN-Groups meetings INGENIC/INCOPED – Regional reports INAFORESTA/INCOSOM – Cocoa AFS and Climate Change 	
12:00-13:30	• Lunch – self organized	
13:30-18:00	 INGENIC/INCOPED - Climate change, pests and diseases, use of GR INAFORESTA/INCOSOM - Cocoa AFS and Ecosystem Services analysis 15:30-16:00 - joint coffee break 	
18:15	JOINT SESSION - Closing remarks from all IN-Groups	



What to expect

- A few changes adjustments as needed
- 2 Thematic sessions proposed for plenary Climate Change and Cadmium the rest in track sessions to maximize presentations
- Pay attention to start and end of each day:
 - Monday closing at 17:30
 - Tuesday 08:00-18:00 track sessions
 - Wednesday 08:00-18:00 track sessions
 - Thursday 08:30-17:00 plenary
 - Friday IN-Cocoa groups 08:00-18:15
- As you experience this first ISCR think about feedback we will provide an opportunity at the end
- Presenters please upload your presentation in advance of sessions
- Be on time and keep to time Keynote 15 and others 10 minutes
- Thanks to ICCO for this opportunity



Enjoy!