

DRAFT PROGRAMME ISCR 2017

13-17 November 2017, Lima, Peru

<https://www.icco.org/iscr2017>

PROGRAMME SUBJECT TO MODIFICATIONS

Please note that **only oral presentations** for each thematic session are listed in the current programme. However, the final programme will include discussion times in each session as well as details on posters slam presentations and keynote speakers.

Time	Programme
Monday November 13, 2017	
08:00-10:00	Registration
10:00-12:30	<p>Plenary Session 1</p> <p>Opening of the ISCR 2017- CHAIR – ICCO</p> <ul style="list-style-type: none"> • Welcome speech by SEM. Ricardo V. Luna Mendoza, Minister of Foreign Affairs of Peru • Setting the scene for the ISCR 2017 – general theme and thematic areas – expectations of the ISCR 2017 by Dr. Jean-Marc Anga, Executive Director of the International Cocoa Organization • Inauguration by SEM Pedro Pablo Kuczynski, President of Republic of Peru Or SEM. José Manuel Hernandez, Minister of Agriculture and Irrigation of Peru Or SEM. Mercedes Araoz, President of the Council of Ministers of Peru • “The Peruvian cocoa sector” by Ing. Angel Manero, Director General of agriculture, Chairman of the local organizing committee and focal point • “The oldest cocoa in the world discovered in the Upper Amazon of Peru and Ecuador” Keynote speech by Dr. Segundo Quirino Olivera Núñez • Introduction to the ISCR 2017: Programme and logistics by Dr. Brigitte Laliberte, Chairperson of the ISCR Scientific Committee
12:30-14:00	Lunch
14:00-15:30	<p>Plenary Session 2</p> <p>Thematic Session 4 - Climate change adaptation and mitigation CHAIR - Brigitte Laliberte</p> <p>Oral presentations</p> <ul style="list-style-type: none"> • Paul Hadley, <i>Overview of advances in cacao and climate change research and future perspectives- University of Reading (UoR)</i> • Christian Bunn, <i>Global climate change impacts on cocoa -International- Centre for Tropical Agriculture (CIAT)</i>

Time	Programme
	<ul style="list-style-type: none"> • Fiona Lahive, <i>The impacts of climate change variables on vegetative and reproductive development of six genotypes of cacao</i>-University of Reading (UoR) • Viviana Medina, <i>Exploring cacao genetic diversity for resilience to climate change – validating or contradicting current predictive models of production suitability</i> - Bioversity International (Bioversity)
	Poster slam sessions
15:30-16:00	Coffee break

16:00-17:30	Plenary Session 2 Thematic Session 4 - Climate change adaptation and mitigation continued CHAIR - Verina Ingram Oral presentations
	<ul style="list-style-type: none"> • Francois Ruf, <i>Climate change interacting with the loss of forest/cocoa rents and smallholders' innovations in Côte d'Ivoire</i> - Centre de coopération International en Recherche Agronomique pour le Développement- CIRAD • Virupax Baligar, <i>Impact of drought on morphological, physiological and nutrient use efficiency of elite Cacao genotypes from Bahia</i>- Beltaville Agricultural Research Center (USDA, ARS) • Paula Bermeo Fúquene, <i>Evaluation of current and future water requirements, under climate change scenarios in cocoa crops in Nilo Cundinamarca</i>- Universidad Nacional de Colombia
	Poster slam sessions
	Close of day

EVENING	Conference dinner offered by the Government of Peru
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Tuesday November 14, 2017

08:00 - 10:00	Track session 1 Thematic session 1. Genetics and Breeding CHAIR - Siela Maximova Oral presentations	Track session 2 Thematic session 7 - Marketing and Technology Transfer –CHAIR - David Guest Oral presentations
	<ul style="list-style-type: none"> • Mark Gultinan, <i>The Future of Cacao Research: Systems Science in Support of Cacao Farmers</i>- Penn State University • Brigitte Laliberte, <i>Cacao Genetic Resources - Legal and policy aspects of germplasm exchange (access and benefit sharing)</i> Bioversity International (Bioversity) • Wilton Céspedes Del Pozo, <i>Evaluation of the genetic diversity of native "Chuncho" cocoa (Theobroma cacao L.) in La Convención, Cusco-Peru.</i>- UNSAAC/UNIQ • Evert Thomas, <i>A genetic origin of fine or flavour cacao in southern Peru?</i>- Bioversity International • Nubia Martínez Guerrero, <i>Morpho-agronomic and molecular characterisation of the cocoa collection held by the Colombia National</i> 	<ul style="list-style-type: none"> • Verina Ingram, <i>Impacts of cocoa sustainability initiatives in West Africa</i>, Wageningen University • Anna Laven, <i>Demystifying the cocoa sector</i>- Royal Tropical Institute (KIT) • Divine Foundjem-Tita, <i>Expanding Fairtrade Cocoa Certification in Ghana and Côte d'Ivoire: Opportunities, Challenges and the Way Forward</i>- World Agroforestry Centre (ICRAF) • Ingrid Fromm, <i>Analysis of the Sustainable Cocoa Production Program (SCPP) and its impact on farm-level quality and productivity in Southeast Sulawesi, Indonesia</i>- Bern University of Applied Sciences

	<i>Federation of Cocoa Farmers</i> -Federación Nacional de Cacaoteros (FEDECACAO)	
	Poster slam sessions	Poster slam sessions
10:00-10h30	Coffee break	Coffee Break
10:30-12:30	Track session 1 Thematic session 1. Genetics and Breeding CHAIR - Elizabeth Johnson Oral presentations <ul style="list-style-type: none"> • Rey Loor Solórzano, <i>Development of specific niches for high-yield and high-sensory-quality cocoa: Ecuador's experience</i> - Instituto Nacional de Investigaciones Agropecuarias (INIAP) • Adriana Arciniegas-Leal, <i>Revealing the genetic structure and kinship of cocoa clonal series UF, CC, ARF and PMCT kept in the CATIE international collection (IC3)</i>- CATIE • Adriana Gallego, <i>Integrating the transcriptomics for study of antioxidants in cacao cell cultures</i> • Lambert Motilal, <i>Candidate SSR tags for fruit and seed traits of Theobroma cacao L. in the International Cocoa Genebank Trinidad</i>- Cocoa Research Centre, The University of the West Indies (CRC/The UWI) • Christopher Turnbull, <i>Digital Data Capture in Cocoa Breeding: A Practical Barcode-based System</i>- School of Agriculture, Policy and Development, University of Reading Poster slam sessions	Track session 2 Thematic session 7 - Marketing and Technology Transfer - CHAIR - Verina Ingram Oral presentations: <ul style="list-style-type: none"> • Frederick Amon-Armah, <i>From labour demand to business prospects for rural youth: A study in the Fanteakwa district of Ghana</i>- Cocoa Research Institute of Ghana (CRIG) • David Lujan Tantarico, <i>Analysis of the technical and economic feasibility of obtaining frozen cocoa pulp using a semi-automatic collection system: Case study "COOPERATIVA AGROINDUSTRIAL Y DE SERVICIOS"</i>- Centro Innovación Del Cacao (CIC) • Diana Kos, <i>Impact evaluation of different savings accounts on income smoothing and access to credit: the case of cocoa farmers in Ghana</i>- Wageningen University • Trent Blare, <i>Intensification of cocoa in the Peruvian Amazon: Gender relations and options for deeper engagement by women</i>- World Agroforestry Centre (ICRAF) Poster slam sessions
12:30-13:15	Lunch break	Lunch break
13:15-14:00	Poster session of Themes T4 - Climate Change and T1 - Genetic Diversity	Poster session of Themes T7 – Social Sustainability, Economic and Marketing
14:00 – 16:00	Track session 1 Thematic session 1. Genetics and Breeding - CHAIR -Paul Hadley Oral presentations <ul style="list-style-type: none"> • Claire Lanaud, <i>Exploration of the T. cacao genome sequence to decipher the incompatibility system of Theobroma cacao and to identify diagnostic markers</i>, Centre de coopération International en Recherche Agronomique pour le Développement (CIRAD) • Olivier Sounigo, <i>Comparative assessment of agronomical performances of six commercial cocoa varieties in on farm progeny trials in Cameroon</i>- Centre de coopération International 	Track session 2 Thematic session 7 - Marketing and Technology Transfer CHAIR - Soetanto Abdoellah Oral presentations <ul style="list-style-type: none"> • David Guest, <i>Labour as a constraint to technology adoption: Understanding the role of farmer health</i>- The University of Sydney • Eric Boa, <i>Helping cocoa farmers to help themselves: an overview of extension methods and how to choose the best ones</i>- Institute of Biological

	<p>en Recherche Agronomique pour le Développement (CIRAD)</p> <ul style="list-style-type: none"> • Tahi Mathias, <i>Second cycle of recurrent selection of cocoa (theobroma cacao L.) in côte d'ivoire: genetic parameters in two constitutive groups after thirteen years of observation</i>- Centre National de Recherche Agronomique (CNRA) • Fabienne Ribeyre, <i>The Genomic Selection of Theobroma cacao: A new strategy of marker assisted selection to improve breeding efficiency and predict useful traits in new populations</i>- Centre de coopération International en Recherche Agronomique pour le Développement (CIRAD) • Francis Padi, <i>Potential of recurrent selection for developing improved cocoa varieties in Ghana</i>- Cocoa Research Institute of Ghana (CRIG) • Rene Rafael Espino, <i>DNA Profiling of Cacao (Theobroma cacao L.) Varieties in the Philippines Using Microsatellite Markers</i>- Institute of Crop Science- College of Agriculture&Food Science, University of the Philippines Los Banos <p>Poster slam sessions</p>	<p>and Environmental Sciences, University of Aberdeen</p> <ul style="list-style-type: none"> • Monika Schneider, <i>Knowledge gap, small farms and insecure land tenure limit the adoption of research-based recommendations for cocoa swollen shoot virus disease control</i>- Research Institute of Organic Agriculture (FiBL), Department of International Cooperation • Path Umaharan, <i>Supporting Entrepreneurship and Development within the Fine/Flavour Sector using Science Technology and Innovation: the Case of the International Fine Cocoa Innovation Centre Cocoa Research Centre</i>- The University of the West Indies (CRC-UWI) • Amanda Berlan, <i>What works? A review of the contribution academic knowledge can make to building a stronger and more resilient cocoa economy</i>- Leicester Castle Business School, De Montfort University <p>Poster slam sessions</p>
16:00-16:30	Coffee Break	Coffee Break
16h30--18h	<p>Track Session 3</p> <p>Thematic 2 Agronomy CHAIR – Christian Cilas</p> <p>Oral presentations</p> <ul style="list-style-type: none"> • Luis Sigindioy Chindoy, <i>Water dynamics in cocoa (Theobroma cacao L.) in tropical rainforests</i>, Universidad Nacional de Colombia Sede Medellin • Eduardo Gutiérrez Brito, <i>Pruning in the production of COCOA</i>-Universidad Nacional de Colombia sede Medellín (Theobroma cacao L.) • Martin Villa, <i>The effect of canopy management on cocoa ecophysiology in antioquia, Colombia</i> - Universidad Nacional de Colombia 	TO BE CONFIRMED

Wednesday November 15, 2017

08:00 – 10:00	Track session 4	Track session 5
	Thematic 3 - Pests and Diseases CHAIR - Wilbert Phillips-Mora	Thematic 5 - Quality and Flavour Assessment – CHAIR - Martin Gilmour
	Oral presentations	Oral presentations
	<ul style="list-style-type: none"> • Mark Guiltinan, <i>Application of CRISPER/CAS9 Mediated Genome Editing to Enhancement of Disease Resistance in Cacao</i> - The Pennsylvania State University (PSU) • Desiré Pokou, <i>Phytophthora megakarya Stress response changes in the Theobroma cacao transcriptomes analyzed using RNAseq</i>- Centre National de Recherche Agronomique (CNRA) • Ahmad Kamil Mohd Jaaffar, <i>Field evaluation and cost-benefit analysis on the efficacy of microbial formulation in the management of black pod disease, pod borer and mosses on cocoa in Malaysia</i>- Malaysian Cocoa Board (MCB) • Mireille Ndoungue Djeumekop, <i>Combining field epidemiological and genetic diversity information to understand Phytophthora megakarya dispersion in young cocoa plantations in Cameroon</i>, Institut de Recherche Agricole pour le Développement (IRAD)& Université de SupAgro Montpellier 	<ul style="list-style-type: none"> • Darin Sukha, <i>Elements of a harmonized international standard for cocoa flavour assessment and evidence of Evidence for applying the concept of “Terroir” in cocoa flavour and quality attributes</i> - Cocoa Research Centre, The University of the West Indies, St. Augustine Trinidad and Tobago • Cristina Liberati, <i>Creating inclusive practical systems for the sensory analysis of cocoa</i>- Equal Exchange • Carla Martin, <i>Cocoa quality evaluation: lessons from social science and producer-centric approaches</i>- Fine Cacao and Chocolate Institute (FCCI) Harvard University • Christina Rohsius, <i>Participatory approaches conducted in Ecuador, Trinidad and Costa Rica using simple and cost-effective methods to enhance the cocoa bean quality substantially</i>- Rausch GmbH • Zoé Deuscher, <i>Does aroma composition allow to discriminate groups of dark chocolates categorized on the basis of their organoleptic properties? Inputs of direct-injection mass spectrometry (PTR-ToF-MS) and GC-Olfac</i> -Centre de coopération International en Recherche Agronomique pour le Développement (CIRAD) UMR 95 QUALISUD et Centre des Sciences du Goût et de l'Alimentation (CSGA) • Ines Drouault, <i>The Cocoa of Excellence Programme: celebrating high quality cocoa production and diversity of flavours around the world – key lessons learnt from 5 Editions since its launch in 2008</i>- Bioversity International
	Poster slam sessions	
10:00-10h30	Coffee break	Coffee break

10:30-12:30	<p style="text-align: center;">Track session 4</p> <p style="text-align: center;">Thematic 3 - Pests and Diseases CHAIR - David Guest</p> <p style="text-align: center;">Oral presentations</p> <ul style="list-style-type: none"> • Monika Schneider, <i>Cocoa Swollen Shoot Virus Disease: how can it be prevented, and do shade trees mitigate the severity and help maintaining productivity?</i> - Research Institute of Organic Agriculture (FiBL), Department of International Cooperation • Emmanuelle Muller, <i>A Next Generation Sequencing approach to elucidate CSSV species profiles</i>- Centre de coopération International en Recherche Agronomique pour le Développement (CIRAD) • Andy Wetten, <i>Movement of CSSV beyond cocoa: alternative hosts and barrier crops</i>- University of Reading • Henry Kwame Dzahini-Obiatey, <i>Pest and Pathogen Project CF/ICCO/43 - the Journey so far: Achievements, Constraints and the Outlook for the Future</i>-COCOA RESEARCH INSTITUTE OF GHANA (CRIG) <p style="text-align: center;">Poster slam sessions</p>	<p style="text-align: center;">Track session 5</p> <p style="text-align: center;">Thematic 5 - Quality and Flavour Assessment - CHAIR - Path Umaharan</p> <p style="text-align: center;">Oral presentations</p> <ul style="list-style-type: none"> • Elsa Hegmann, <i>New Resistant Cocoa Selections from Costa Rica have Fine Aroma Potential</i>- Rausch GmbH • Albertus Eskes, <i>Advances on Genetical and Naturally Induced Variations for Fine and "Extra-Fine" Flavours and Aromas in Theobroma cacao</i>- Ex- CIRAD and Bioversity International • Noémie Fayeulle, <i>Two molecules newly identified by Mass Spectrometry in fermented cocoa beans have a strong impact on chocolate sensory quality</i>. Plateforme Polyphénols, UMR SPO, INRA • Renaud Boulanger, <i>Classification of chocolates based on their global fluorescent imprint?</i> - Centre de coopération International en Recherche Agronomique pour le Développement (CIRAD) <p style="text-align: center;">Poster Slam sessions</p>
12h30-13h15	Lunch break	Lunch break
13:15-14:00	Poster session themes to be confirmed	Poster session themes to be confirmed
14:00 – 16:00	<p style="text-align: center;">Track session 4</p> <p style="text-align: center;">Thematic 3 - Pests and Diseases - CHAIR - Nanga Coulibaly</p> <p style="text-align: center;">Oral presentations</p> <ul style="list-style-type: none"> • Bryan Bailey, <i>The genomes and transcriptomes of the major cacao pathogens: Our current state of knowledge and prospects for their future use</i>, Sustainable Perennial Crops Laboratory, USDA/ARS, Beltsville • Christian Andres, <i>Shade trees mitigate the severity of cocoa swollen shoot virus disease and help maintaining cocoa productivity and Preventing Cocoa Swollen Shoot Virus Disease: A meta-analysis</i>, Research Institute of Organic Agriculture (FiBL), Department of International Cooperation • Wilbert Phillips-Mora, <i>Generation of cacao clones with durable resistant against frosty pod rot (<i>Moniliophthora roreri</i>)</i> -CATIE • Rolando Ríos-Ruiz, <i>Sanitisation as a key strategy in the integrated management of cocoa diseases in Peru: Three and a half decades of epidemiological and control-efficacy</i> 	<p style="text-align: center;">Track session 6</p> <p style="text-align: center;">Thematic 2- Agronomy - CHAIR - Franklin Manu Amoah</p> <p style="text-align: center;">Oral presentations</p> <ul style="list-style-type: none"> • Weibke Neither, <i>Tree management in monocultures and agroforestry systems affect microclimatic growing conditions and fine-root growth</i> - University of Goettingen • Andrew Daymond, <i>Mapping Cocoa Productivity in Ghana, Indonesia and Côte d'Ivoire</i>- University of Reading • Christophe Kouame, <i>Towards a sustainable intensification of cocoa production systems in Cote d'Ivoire: approach and lessons learnt from a pilot research</i>- World Agroforestry Centre (ICRAF) • Siela Maximova, <i>Regulating transcription factors to alleviate plant tissue and genotype limitations of cacao somatic embryogenesis</i>-Penn State University

	<p>research. <i>Facultad de Agronomía</i>. Universidad Nacional Agraria de la Selva (UNAS).</p> <ul style="list-style-type: none"> • Yeirme Jaimes Suárez, <i>Population structure and spatiotemporal dynamics of Moniliophthora roreri in different environments in Colombia</i> - Corporación Colombiana de Investigación Agropecuaria – CORPOICA • Mariela Leandro-Munoz, <i>Effects of microclimatic variables on the onset of symptoms and signs of Moniliophthora roreri for three cacao clones in a range of incomplete resistance</i> – CATIE • Oscar Cabezas Huayllas, <i>Phytosanitary Status In Cocoa (Theobroma Cacao L.) Production In The Huánuco Region Of Peru</i>- Universidad Nacional Agraria de la Selva • Pierre N'Guessan, <i>The Achaea catocaloides Guenee caterpillar (Lepidoptera, Erebidae): a new threat to cocoa farming in Côte d'Ivoire</i>- Centre National de Recherche Agronomique (CNRA) • Richard Adu-Acheampong, <i>Habitat Adaptation and Population of Nymphal and Adult Stages of Two Cocoa Mirid Species (Distantiella theobroma [Dist.] and Sahlbergella singularis Hagl.)</i>-Cocoa Research Institute Of Ghana (CRIG) <p>Poster slam sessions</p>	<ul style="list-style-type: none"> • Ramiro Ramirez Pisco, <i>Constructing the mupv1 cocoa nutrition model</i> - Universidad Nacional de Colombia • Henry Cordoba Novoa, <i>Characterization of microbial community isolated from cocoa crop soils in a producer region in Colombia, as a contribution to soil fertility management</i>- Universidad Nacional de Colombia <p>Poster slam sessions</p>
16:00-16h30	Coffee break	Coffee break
16:30-18:00	<p>Track session 5</p> <p>Thematic 5 - Quality and Flavour Assessment - CHAIR - Michelle End</p> <p>Oral presentations</p> <ul style="list-style-type: none"> • Joël Allainguillaume, <i>The use of chloroplast markers for the traceability of certified sustainably produced cacao (Theobroma cacao) in the chocolate industry</i>-University of the West of England (UWE) • Juzhong Tan, <i>Sensing Fermentation Degree of Cocoa (Theobroma cacao L.) beans by Machine Learning and Traditional Classification Models based Electronic Nose System</i>-University of Georgia • Naailah Ali, <i>Profiling Fermentation Progression and Quality Attributes of Trinitario and Refractario Cacao (Theobroma cacao L.) Hybrid Populations at the International Cocoa Genebank Trinidad (ICGT) – Opportunities</i> Cocoa Research Centre (CRC), The University of the West Indies (UWI) <p>Poster slam sessions</p>	<p>Track session 6</p> <p>Thematic 2- Agronomy - CHAIR - Elizabeth Johnson</p> <p>Oral presentations</p> <ul style="list-style-type: none"> • Laura Armengot, <i>Comparing productivity and profitability of agroforests and monocultures in Bolivia</i>- Research Institute of Organic Agriculture FiBL • Enrique Arévalo-Gardini, <i>Influence of Agroforestry Systems with Cacao on Soil Properties (Physical, Chemical and Microbiological) in Peruvian Amazon</i>, Instituto de Cultivos Tropicales – ICT, Peru • Raffaele D'Annolfo, <i>Opportunities for boosting smallholder livelihoods through agroforestry systems based on native cocoa in Peru</i>, Università Cattolica del Sacro Cuore - Doctoral School on the Agro-Food System • Olivier Deheuvels, <i>How habitat heterogeneity affects pollinator's communities in cocoa-based agroforestry</i>

		<i>systems?</i> Agricultural Research Centre for International Development (CIRAD)
		Poster slam sessions
Thursday November 16, 2017		
08:30	Plenary session 3	
	Thematic Session 5 – Contaminants and food safety with focus on Cadmium	
	CHAIR - Carlos Leyva	
	Oral presentations	
	<ul style="list-style-type: none">• Caleb Lewis, <i>The genetic variation of cadmium (Cd) uptake and bioaccumulation in Theobroma cacao L.</i>- University of the West Indies (UWI) St. Augustine campus• Anja Gramlich, <i>Effect of agroforestry and monoculture systems on cadmium availability and uptake</i> <i>Institute of Terrestrial Ecosystems</i>- Swiss Federal Institute of Technology, Zurich, Switzerland• Gideon Ramtahal, <i>Mitigation of cadmium bioaccumulation in cacao through soil remediation</i>- The University of the West Indies Cocoa Research Centre (CRC)• Abigial Dextre Rubina, <i>Fitobac/Root-9: A solution to the cadmium problem in cocoa crops</i>- Fitobac- Universidad Peruana Cayetano Heredia• Jayne Crozier, <i>“Cocoasafe”: Capacity Building And Knowledge Sharing In Sps In Cocoa In South East Asia And The Pasific</i>- CABI• Michael Granvogl, <i>Mineral oil hydrocarbons (MOSH/MOAH) in cocoa and cocoa products and possible minimization strategies</i>- Food Chemistry Institute (LCI) of the Association of the German Confectionery Industry (BDSI)• Jeimmy Cáceres Zambrano, <i>Characterization of culturable cadmium-tolerant microorganisms found in cocoa-growing soils in Cundinamarca, Colombia</i> - Universidad Nacional De Colombia	
	Poster slam sessions	
10:30-11:00	Coffee break	
11:00-12:30	Plenary session 4	
	<ul style="list-style-type: none">• Reports from each of the 7 Thematic Area sessions	
11:00-14:00	Lunch	
14:00-15:30	Plenary session 5	
	<ul style="list-style-type: none">• Discussions and comments from participants• Conclusion of the Symposium	
15:30-16:00	Coffee break	
16:00-17:00	<ul style="list-style-type: none">• Recommendations from the ISCR 2017• Discussions and comments from participants• Proposal for the next ISCR ISCR 2017 closing at 17:00	
Friday November 17, 2017		
09:00-17:00	<ul style="list-style-type: none">• 4 IN-COCOA groups meetings (INGENIC, INCOPED, INCOSOM, INAFORESTA) AND/OR <ul style="list-style-type: none">• Organized visits in Lima	
Saturday November 18, 2017		
	<ul style="list-style-type: none">• Options of field trips of 2 days and 3 days -Please see below for the separate programme on field trip	

ISCR 2017 – Field trips

Field trips registration deadline: **30 of October 2017**

	Field trip	Duration	Point of interest	Included / Not included	Hotel	PRICE ¹
1	Wonderful Cusco (Machu Picchu)	18 -20 of November 2017 3days/2nights	Visit of the old Inca city of Machu Picchu	Flight Lima-Cusco and bus connection Train tour Bus from/to Machu Picchu SP/EN Guide Visits and entrances as specified Hotel Lunch (Day2) and 2 breakfasts	Libertador Palacio del Inka	\$1027
				Not included: Meals of the Day 1 ²	Hotel Sonesta	\$824
2	The cocoa road in Cusco	18 -19 of November 2017 2days/1night	Landscape during the travel Cusco-Ollantaytambo-Abra Malaga-Quillabamba Viewpoint of the morro San Juan Extension centre of the hacienda Potrero (old hydraulic system, sugarcane, cocoa, coffee plantations and cattle) Sambaray swimming pool Andean museum Coffee and cocoa cooperatives /process units	Flight Lima-Cusco and bus connection Hotel and breakfast 2 lunches and 1 dinner SP/EN Guide Visits and entrances as specified	Countryside hotel of Quillabamba	\$592
3	The cocoa and chocolate road in Tarapoto	18 -19 of November 2017 2days/1night	Visit of the Tropical Agronomy Institute and experimental fields Orquidea chocolate corporation ³ Fine cocoa fields of Qoya and Mishky Cacao corporation	Flight Lima-Tarapoto Transfer airport/ Tropical Agronomy Institute/hotel Visits and entrances as specified SP/EN Guide 2 lunches 1 dinner at the hotel Hotel and breakfast	Hotel Rio Shilcayo	\$432

Information and booking:

Señor André Andrade

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¹ Tour Prices includes the hotel fares for a double room. The price is given for a minimum of 20 participants. Below this number, the departure is guaranteed but the price will be recalculated according to the number of participants. The prices of flight ticket cans vary according to availability and demand

² Because of the altitude sickness, meals of the day of arrival in Cusco are not included but can be provided with supplement

³ During the week end, only the shop and the plantation are opened to the public