



**7th International Food Legume Research Conference
(IFLRC-VII)
Palais des Congrès, Marrakesh, Morocco
May 6-8, 2018**

Program

Date/Time	Activity	Speaker
May 5, 2018		
17:00-19:00	Evening registration	
May 6, 2018		
07:30-08:30	Registration	
08:30-09:30	Opening Session (Venue: Royal Ballroom)	
	WA01: ICARDA	Margret Thalwitz, Board Chair
	WA02: ICARDA	Aly Abousabaa, DG
	WA03: ICRISAT	Peter Carberry, DG (Acting)
	WA04: INRA	Rachid Dahan, DDG
	WA05: FAO	Abdelhak Laiti, PO in Morocco
	WA06: IFLRC	Pooran Gaur, Chair, ISC
	Vote of thanks	Michael Baum, Chair, LOC
09:30-10:00	Group Photo & Coffee break	
10:00-11:30	Plenary Session 1: Global Food Legumes Scenario – production, consumption and trade (Venue: Royal Ballroom)	Chair: Aly Abousabaa, DG-ICARDA
10:00-10:20	KN01: A global research initiative on grain legumes: priorities, programs and partners	Peter Carberry, ICRISAT
10:20-10:40	KN02: Global pulses Scenario – Production, consumption & Trade	Pramod K Joshi, IFPRI
10:40-11:00	KN03: Technologies for African agricultural transformation	Jonas N Chianu, AfDB
11:00-11:15	OP01: Pulses for a sustainable and nutrition sensitive agriculture	Calles Teodoro, FAO
11:15-11:30	OP02: Plausible future outlook of pulses in Asia and Africa	Kumara Charyulu Deevi, ICRISAT
11:30-13:00	Plenary Session 2: Marketing, promotion and policies (Venue: Royal Ballroom)	Co-Chairs: Pramod K Joshi, IFPRI & Brent Kaiser, Australia
11:30-11:50	KN04: A new era for an old challenge: legume supported food and feed chains in Europe	Frederic Muel, France
11:50-12:05	OP03: Chickpea seed system and farmers' commercial behavior in seed: actors, challenges and implications	Zewdie Bishaw, ICARDA
12:05-12:20	OP04: What strategy for the revitalization of the Moroccan legumes sector?	Aziz Fadlaoui, INRA
12:20-12:35	OP05: Legume seed systems for better livelihoods of smallholder farmers: lessons from TL projects	Chris Ojiewo, ICRISAT
12:35-12:50	OP06: Role of extrinsic and intrinsic factors in the uptake of best agricultural practices among food legume farmers of Afghanistan	Srinivas Tavva, ICARDA
12:50-13:00	OP07: Trends and determinants of the adoption of improved chickpea varieties in Ethiopia	Dawit Alemu, Ethiopia
13:00-14:00	Lunch	



14:00-15:30	Plenary Session 3: Nutritional quality, post-harvest management and value addition (Venue: Royal Ballroom)	Co-Chairs: Fernand Lambein, Ghent Uni. & Ram M Nair, WVC
14:00-14:20	KN05: Pulses linking to global food security and human health	Dil Thavarajah, USA
14:20-14:40	KN06: Breeding for nutritional quality with emphasis on bio-fortification	Ashutosh Sarker, ICARDA
14:40-14:55	OP08: Analysis of seed quality traits in chickpea	Monica Baga, Canada
14:55-15:10	OP09: Enhancing mineral concentration and bioavailability in pea	Tom Warkentin, Canada
15:10-15:25	OP10: Faba bean flour as an essential compound in cereal product formulation	Dorra Sfayhi, INRAT, Tunisia
15:25-15:40	OP11: The role of legumes in an environmentally optimized diet for the Swiss population	Thomas Nemecek, Switzerland
15:40-15:55	OP12: Relative bioavailability of iron in Bangladeshi traditional meals prepared with iron-fortified lentil dal	Rajib Poddar, Canada
16:00 -16:30	Coffee break	
16:30-18:30	Plenary Session 4: Breeding improved germplasm (Venue: Royal Ballroom)	Co-Chairs: Ahmed Amri, ICARDA & Kirstin Bett, Canada
16:30-16:50	KN07: Making the most of rapid selfing to accelerate genetic progress in grain legumes	Willie Erskine, UWA, Australia
16:50-17:10	KN08: Modernizing food legume breeding programs: the contribution of the integrated breeding platform	Jean-Marcel Ribaut, IBP, Mexico
17:10-17:30	KN09: Common bean breeding for yield stability and nutrition	Bodo Raatz, CIAT
17:30-17:45	OP13: Breeding and development of food quality winter peas	Rebecca McGee, USA
17:45-18:00	OP14: The shiny green revolution: Dissecting grain yield components in green gram and black gram	Colin Douglas, DAF, Australia
18:00-18:15	OP15: Extra short duration lentils open up an opportunity for horizontal expansion in rice-based cropping systems	Shiv Kumar Agrawal, ICARDA
18:15-18:30	OP16: Demand-led variety design: Make plant breeding in Africa a business model responsive to market demand	Koaudio Nasser Yao, ILRI
19:30-22:00	Cultural Program & Gala dinner May 7, 2018	
08:30-10:30	Parallel Session 5: Biotic stresses and their management (Venue: Fez Theatre-1)	Co-Chairs: Tom Warkentin, Canada & Martin Barbetti, Australia
08:30-08:50	KN10: <i>Aphanomyces</i> root rot of legumes: research advances for breeding resistant varieties and integrated disease management	Marie-Laure Pilet-Nayal, France
08:50-09:10	KN11: Managing diseases and <i>Orobanche</i> in food legumes	Diego Rubiales, Spain
09:10-09:30	KN12: One step behind: Why an integrated approach is more important than ever for managing <i>Ascochyta</i> blight in the Australian chickpea industry	Rebecca Ford, Australia
09:30-09:45	OP17: Fungicide management of faba bean rust in Morocco	Seid Ahmed, ICARDA
09:45-10:00	OP18: Review of epidemiology, fungicide control and host resistance for management of lentil anthracnose in Canada	Lone Buchwaldt, Canada
10:00-10:15	OP19: Identification of novel <i>Ascochyta lentis</i> resistance in the global lentil collection using FIGS	Rama Harinath Reddy Daadu, Australia
10:15-10:30	OP20: Research advances on broomrape (<i>Orobanche crenata</i> Forsk.) resistance in food legumes	Rachid Mentag, INRA, Morocco
08:30-10:30	Parallel Session 6: Agronomy, physiology, and abiotic stresses (Venue: Royal Ballroom)	Co-Chairs: Jacques Wery, ICARDA & Rachid Dahan, INRA
08:30-08:50	KN13: Balanced nutrient management in legumes for enhancing yields and eco-system services	Suhas Wani, ICRISAT
08:50-09:10	KN14: Evaluation of heat sensitivity in food legumes and approaches to improve heat tolerance	Harsh Nayyar, PU, India



09:10-09:30	KN15: Identification of heat resistant traits for pea	Rosalind Bueckert, Canada
09:30-09:45	OP21: Tillage and crop establishment practices in diversified-cereal-legume based cropping systems in vertisol soil: crop productivity and soil health	Yashpal Singh Saharawat, ICARDA
09:45-10:00	OP22: Diversifying with legumes: concepts and methods to design efficient systems	Helene Marrou, CIRAD, France
10:00-10:15	OP23: Designing eco-efficient crop rotations with legumes and optimized N management by using life cycle assessment	Thomas Nemecek, Switzerland
10:15-10:30	OP24: Integrated cropping-systems research at ICRISAT – phenotyping for environmental adaptations	Jana Kholova, ICRISAT
10:30-11:00	Coffee break	
11:00-13:00	Parallel Session 7: Ecosystem services (biological nitrogen fixation, and carbon, water and nutrient footprints) (Venue: Royal Ballroom)	Co-Chairs: Kadambot Siddique, UWA & Suhas Wani, ICRISAT
11:00-11:20	KN16: Tapping wild species of plants and microbes to improve nitrogen fixation in the chickpea crop	Doug Cook, UC-Davis, USA
11:20-11:40	KN17: Genotypic variation in phosphorus-use efficiency among a large set of chickpea germplasm and physiological mechanisms	Kadambot Siddique, UWA, Australia
11:40-12:00	KN18: Shift focus on a neglected ecosystem service - Farming with Alternative Pollinators highly increases yields of faba bean	Stefanie Christmann, ICARDA
12:00-12:15	OP25: Genetic variability for nodulation among lentil advanced lines: implications for nitrogen fixation ability	Omar Idrissi, INRA, Morocco
12:15-12:30	OP26: Nodular diagnosis to assess the symbiotic nitrogen fixation of cowpea under low-P soils of Mediterranean agroecosystem	Billal Kirdi, INRAT, Tunisia
12:30-12:45	OP27: Food Legumes and Conservation Agriculture for Sustainable Cereal Systems	Ravi Gopal Singh, CIMMYT
12:45-13:00	OP28: Soil health – a necessary linkage to augment pulse production of India	Ashok K Patra, IISS, India
11:00–13:00	Workshop on Harmonization of Data Management Systems & Big Data Analytics (Venue: Fez Theatre-1)	Moderators: Abhishek Rathore, ICRISAT & Brian King, CIAT
11:00-11:12	Big Data & Informatics Platforms at ICRISAT & future strategies	Abhishek Rathore, ICRISAT, India
11:12-11:24	CGIAR Platform for Big Data in Agriculture: Beyond the Census of Things	Brian King, CIAT, Colombia
11:24-11:36	CGIAR's geospatial data management	Jawoo Koo, IFPRI, USA
11:36-11:48	CGIAR's socio-economic data harmonization	Carlo Azzarri, IFPRI, USA
11:48-12:00	Digital revolution using the Breeding Management System	Jean-Marcel Ribaut, IBP, Mexico
12:00-12:12	Building the Computational Infrastructure to Implement Genomic Selection	Peter Selby, Cornell Univ., USA
12:12-12:24	Semantics and Plant Phenotyping Data Structuration for Data Analytics	Pierre-Etienne Alary, INRA, France
12:24-12:36	Breeding Information Management Novel Tool to Support Accelerated Breeding Scheme in Clonal Crops	Jazmin Molano, CIP, Peru
12:26-12:48	Building Cyberinfrastructure for Multidisciplinary Multiscale AgroInformatics	James Wilgenbusch, Univ. of Minnesota, USA
12:48-13:00	General Discussions & Questions	-
13:00-14:00	Lunch	
14:00-17:30	Workshop: Chickpea (Venue: Royal Ballroom)	Moderator: Pooran Gaur, ICRISAT
14:00-14:10	WS01: Global scenario of chickpea research and development	Pooran Gaur, ICRISAT
14:10-14:20	WS02: Chickpea breeding in India	GP Dixit, IIPR, India
14:20-14:30	WS03: Chickpea breeding in Ethiopia	Asnake Fikre, Ethiopia
14:30-14:40	WS04: Chickpea research and production in Iran	Homayoun Kanouni, Iran
14:40-14:50	WS05: Chickpea breeding in Turkey	Cengiz Toker, Turkey



14:50-15:00	WS06: Chickpea breeding in Spain	Juan Gil, Spain
15:00-15:10	WS07: Chickpea breeding in the USA	George Vandemark, USA
15:10-15:20	WS08: Chickpea breeding in Canada	Bunyamin Tar'an, Canada
15:20-15:30	WS09: Chickpea breeding in Myanmar	Mar Mar Win, Myanmar
15:30-16:00	Coffee break	
16:00-16:10	WS10: Chickpea quantitative trait loci that contribute to Ascochyta blight resistance across multiple environments	Aladdin Hamwiah, ICARDA
16:10-16:20	WS11: Whole genome resequencing based trait mapping in chickpea	Mahendar Thudi, ICRISAT
16:20-16:30	WS12: Genome-wide association study of carotenoids concentration in chickpea using 50K Chickpea SNP chip	Mohammad K Rezaei, Canada
16:30-16:40	WS13: Herbicide tolerance in chickpea	Sushil Chaturvedi, IIPR, India
16:40-16:50	WS14: Nematode resistance in chickpea	Rebecca Zwart, Australia
16:50-17:00	WS15: Opportunities to improve nutritional quality traits in chickpea	Ravindra Chibbar, Canada
17:00-17:10	WS15a: Profligate and conservative water use patterns found in wild Cicer	P Raju, Australia
17:00-17:30	General Discussion	
14:00-17:30	Workshop: Lentil and Grass pea (Venue: Fez Theatre-1)	Moderator: Ashutosh Sarker, ICARDA
14:00-14:10	WS16: Grass pea (<i>Lathyrus sativus</i> L.) - boon or bane?	Fernand Lambein, Belgium
14:10-14:20	WS17: <i>Lathyrus</i> diversity: Available resources with relevance to crop improvement	Maria Carlota Vaz Patto, Portugal
14:20-14:30	WS18: Indian perspective on lentil and grass pea improvement	Sanjeev Gupta, IIPR, India
14:30-14:40	WS19: Lentil and grass pea Improvement in Bangladesh	Md Omar Ali, BARI, Bangladesh
14:40-14:50	WS20: Lentil and grass pea improvement in Nepal	Rajendra Darai, NARC, Nepal
14:50-15:00	WS21: Lentil and grass pea improvement in Ethiopia	Seid Kemal, ICARDA
15:00-15:10	WS22: Lentil breeding efforts in the USA	Kevin McPhee, USA
15:10-15:20	WS23: Progress in lentil improvement in Morocco	Omar Idrissi, INRA, Morocco
15:20-15:30	WS24: Taking lentils out of their comfort zone	Rajeev Dhakal, Li Bird, Nepal
15:30-16:00	Coffee break	
16:00-16:10	WS25: Combining resistance to multiple diseases in lentil	Sarvjeet Singh, PAU, India
16:10-16:20	WS26: Association mapping of iron and zinc content in lentil	Harsh Kumar Dikshit, IARI, India
16:20-16:30	WS27: QTL mapping of milling quality traits in cultivated lentil	Maya Subedi, Canada
16:30-16:40	WS28: Development of AB QTL Mapping Population and Variability for Yield Traits in Lentil	Jitendra Kumar, India
16:40-16:50	WS29: My lentils are bigger than your lentils: Phenotyping lentil canopy growth in four dimensions.	Steve Shirliffe, Canada
16:50-17:00	WS30: Spatial big data analytics for sustainable intensification of pulse crops in South Asia	Chandrasekhar Biradar, ICARDA
17:00-17:30	General Discussion	
14:00-17:30	Workshop: Faba bean (Venue: Karam Hall-1)	Moderator: Donal O'Sullivan, UK
14:00-14:10	WS31: Improving faba bean for sustainable agriculture in drylands	Fouad Maalouf, ICARDA
14:10-14:20	WS32: Faba bean in China	Xuxiao Zong, CAAS, China
14:20-14:30	WS33: Recent results on Orobanch resistance in Ethiopia	Teferi Teklay Abebe, EIAR, Ethiopia
14:30-14:40	WS34: Moroccan perspective in improving faba bean productivity	Zain El Abidine Fatemi, INRA, Morocco
14:40-14:50	WS35: Major achievements in breeding faba bean in Tunisia	Mohamed Kharrat, INRAT, Tunisia
14:50-15:00	WS36: Recent advances in marker assisted selection in faba bean	Ana M. Torres, Spain
15:00-15:10	WS37: Genetic diversity of faba bean landraces in Morocco: conservation and valorization	Lamia Ghaouti, IAV-HII, Morocco



15:10-15:20	WS38: Faba bean genotypes differ in their contribution as pollen donor to cross-fertilized seed	Lisa Brünjes, Germany
15:20-15:30	WS39: Enhancing faba bean germplasm for resilience to temperature extremes	Jinguo Hu, WSU, USA
15:30-16:00	Coffee break	
16:00-16:10	WS40: Faba bean resistance to pests and diseases	Diego Rubiales, Spain
16:10-16:20	WS41: Faba bean Galls in Ethiopia: current situation and possible solution	Tadesse Negussie, EIAR, Ethiopia
16:20-16:30	WS42: Screening faba bean germplasm for resistance to persistently aphid transmitted viruses	Safaa Kumari, ICARDA
16:30-16:40	WS43: New SSR markers related to heat tolerance in faba bean under diverse environments	Zayed Babiker, ARI, Sudan
16:40-16:50	WS44: First Sources of Resistance in faba bean to the Stem borer weevil, <i>Lixus algirus</i> L. (Coleoptera: Curculionidae)	Mustapha El Bouhssini, ICARDA
16:50-17:00	WS45: Analyzing faba bean autofertility under the Scanning Electron Microscope	Ana M. Torres, Spain
17:00-17:30	General discussion	
14:00-15:30	Workshop: Pigeonpea (Venue: Karam Hall-2)	Moderator: Rao (RCN) Rachaputi, Australia
14:00-14:10	WS46: Current status and future prospects of pigeonpea in South Asia	CV Sameer Kumar, ICRISAT
14:10-14:20	WS47: Pigeonpea breeding for Eastern and Southern Africa: Achievements and Prospects	Ganga Rao NVPR, ICRISAT
14:20-14:30	WS48: Prospects for pigeonpea in Australia	Rao Rachaputi, Australia
14:30-14:40	WS49: Exploitation of wild species for pigeonpea improvement	Shivali Sharma, ICRISAT
14:40-14:50	WS50: Impacts of hybrid pigeonpea technology in India	Kumara Charyulu Deevi, ICRISAT
14:50-15:00	WS51: Advances in resistance to diseases in pigeonpea	Mamta Sharma, ICRISAT
15:00-15:10	WS52: Host-plant resistance to insect-pests and influence of natural enemies in pigeonpea ecosystem	Jagdish Jaba, ICRISAT
15:10-15:20	WS53: Prospects of Super Early Pigeonpea	Anupama J Hingane, ICRISAT
15:20-15:30	WS54: Advances in pigeonpea genomics	Rachit Saxena, ICRISAT
15:30-16:00	Coffee break	
16:00-17:30	Workshop: Pea (Venue: Karam Hall-2)	Moderator: Tom Warkentin, Canada
16:00-16:10	WS55: Pea breeding in Canada	Dengjin Bing, Canada
16:10-16:20	WS56: Vegetable pea breeding internationally	Rebecca McGee, USA
16:20-16:30	WS57: Field pea breeding in USA	Kevin McPhee, USA
16:30-16:40	WS58: Prospects of using wild <i>Pisum</i> species in breeding	Petr Smykal, Czech Republic
16:40-16:50	WS59: Seeking heat tolerance in pea	RosalindBueckert, Canada
16:50-17:00	WS60: Improving pea agronomy: Effectively managing weeds without herbicides	Steve Shirtliffe, Canada
17:00-17:10	WS61: Waterlogging tolerance at germination in pea	Md Shahin Uzzaman, Australia
17:10-17:20	WS62: Improving the nutritional quality of pea	Claire Domoney, UK
17:20-17:30	WS63: Identification of a leaf morphology mutant, <i>Stipules reduced</i> , using a Fast Neutron mutant population of pea	Noel Ellis, New Zealand
17:30-18:30	Poster Session 1	
	May 08, 2018	
08:30-10:30	Plenary Session 8: Genomics, genetics, and genetic resources (Venue: Royal Ballroom)	Chair: Doug Cook, UC-Davis, USA & Roberto Papa, Italy
08:30-08:50	KN19: A journey of genes from genomes to fields in legumes	Rajeev Varshney, ICRISAT
08:50-09:10	KN20: Harvesting Legume Genomes: Plant Genetic Resources	Clare Coyne, USA
09:10-09:30	KN21: Ecological genomics to uncover the adaptive significance of seed dormancy in legumes	Petr Smykal, Czech Republic
09:30-09:50	KN22: Advances in understanding pea traits	Noel Ellis, New Zealand
09:50-10:10	KN23: Gene identification in faba bean – to synteny and beyond	Donal O'Sullivan, UK



10:10-10:30	KN24: Efficient conservation, mining and use of temperate food legumes genetic resources	Ahmed Amri, ICARDA
10:30-11:00	Coffee break	
11:00-12:30	Concurrent Session 8a: Genomics and Genetics (Venue: Royal Ballroom)	Co-Chairs: Maria Carlota Vaz Patto & Noel Ellis, New Zealand
11:00-11:15	OP29: Bean Adapt: the genomics of adaptation during crop expansion of common bean	Roberto Papa, Italy
11:15-11:30	OP30: Lots of diversity in lentil genomic resources	Kirstin Bett, Canada
11:30-11:45	OP31: Post-transcriptional regulation of seed development in <i>Phaseolus vulgaris</i> L.	Susana Araujo, Portugal
11:45-12:00	OP32: Bulk segregant sequencing, a quick approach to identify markers associated wrt ascochyta blight in chickpea	Bunyamin Tar'an, Canada
12:00-12:15	OP33: A Genome wide association study of symbiotic nitrogen fixation in the Mesoamerican gene pool of common bean	Jennifer Wilker, Canada
12:15-12:30	OP34: High throughput Axiom SNP array genotyping of <i>Vicia faba</i>	Deepti Angra, UK
12:30-12:45	OP35: Identification of function-associated pathogenicity markers in <i>Ascochyta rabiei</i> through whole-genome-sequencing	Ido Bar, Australia
11:00-12:30	Concurrent Session 8b: Genetic Resources (Venue: Fez Hall-1)	Co-Chairs: Clare Coyne, USA & Sanjeev Gupta, India
11:00-11:15	OP36: Enhanced use of germplasm to accelerate genetic gains in food legumes	Hari D Upadhyaya, ICRISAT
11:15-11:30	OP37: New opportunities for chickpea improvement by the exploitation of wild <i>Cicer</i>	Jens Berger, Australia
11:30-11:45	OP38: Mungbean mini-core collection: a treasure trove for resistance to pests and diseases	Ramakrishna Nair, WVC
11:45-12:00	OP39: Has domestication altered the response of chickpea to mineral nitrogen?	Eric von Wettberg, USA
12:00-12:15	OP40: <i>Pisum sativum</i> and <i>P. fulvum</i> Sibth. reciprocal interspecific crosses unearths hidden genes for extreme earliness	Cengiz Toker, Turkey
12:15-12:30	OP41: Bean in Turkey: diversity, characterization, inter-gene pool hybridization and breeding	Faheem Shehzad Baloch, Turkey
12:45-13:45	Poster Session 2	
13:45-14:30	Lunch	
14:30-15:30	Concluding Session (Royal Ballroom)	Co-Chairs: Peter Carberry, ICRISAT & Michael Baum, ICARDA
15:30-16:30	Media Q&A/Open forum	Co-Chairs: Pooran Gaur, ICRISAT & Shiv Kumar, ICARDA

May 09, 2018

Field visit to ICARDA food legumes research program and lab visits at Marchouch and Rabat for the interested participants

