



Turning research into impact:
Past, present
and future

PROGRAM

CIMMYT headquarters, El Batán, Texcoco, Estado de México
Camino Real Hotel, Polanco, Mexico City
27-29 September 2016

CIMMYT - the International Maize and Wheat Improvement Center - is the global leader on publicly-funded maize and wheat research and related farming systems. Headquartered near Mexico City, CIMMYT works with hundreds of partners throughout the developing world to sustainably increase the productivity of maize and wheat cropping systems, thus improving global food security and reducing poverty. CIMMYT is a member of CGIAR and leads the CGIAR Research Programs on Maize and Wheat. The Center receives support from national governments, foundations, development banks and other public and private agencies.



WELCOME

For 50 years, CIMMYT has been working on the front lines of agricultural research for development, advocating for smallholder farmers and connecting national agricultural research systems to knowledge, experience, and resources.

The world has changed immeasurably during this time, and CIMMYT is changing with it, but our core mission is more relevant than ever – maize and wheat science for improved livelihoods.



**We welcome you and thank you for contributing
to our mission for the last 50 years.**

**With best regards,
Martin Kropff, CIMMYT Director General**

*All presentations will be filmed and made available
on the CIMMYT50 website after the event:*

<http://www.cimmyt.org/cimmyt50/>

Day 1, 27 September:

Celebrating CIMMYT's impacts

CIMMYT headquarters, El Batán, Texcoco, Estado de México

Master of Ceremonies: Nick Ishmael Perkins, Director, SciDev.net

08:30

Welcome and opening statement: Maize and wheat science for improved livelihoods – *Martin Kropff*, CIMMYT Director General

Chair: *Hans Braun*, Director, WHEAT and CIMMYT Global Wheat Program

Keynote: The Birth of CIMMYT – Pioneering the idea and ideals of international agricultural research – *Derek Byerlee*, former CIMMYT Economics Program Director

Wheat: 50 years of CIMMYT's contributions – *Sanjaya Rajaram*, 2014 World Food Prize Winner and former CIMMYT Wheat Program Director

Maize: 50 years of CIMMYT's contributions – *Greg Edmeades*, independent consultant and former CIMMYT Maize Physiologist

Video: CIMMYT 1966-2016

OFFICIAL CEREMONY

CIMMYT and Mexico: A commitment for global sustainability and food security – *Martin Kropff*, CIMMYT Director General

Mexico and CIMMYT: An example of one of the most successful partnerships that impacted world food security – *José Calzada Roviroso*, Secretary of Agriculture, Mexico

Message from *Enrique Peña Nieto*, President of Mexico

12:00-16:00

CIMMYT Research and Innovation in Action: Demonstration visits in the fields and labs of CIMMYT's science and impact worldwide

12:50-13:40

Lunch

16:00

Video: CIMMYT, IRRI, and the Green Revolution – *MS Swaminathan*, father of India's Green Revolution

Panel: Ministers of Agriculture: Past, present and future – What will be the role of CIMMYT in national innovation systems? – *Afghanistan, Bangladesh, Kenya, and Pakistan*

CIMMYT's future as Borlaug's legacy – *Julie Borlaug, Texas A&M*

CIMMYT and the Mexican farmers: The relationship in the past, present, and future – *Ing. Rodolfo Elias Rodríguez Flores, Presidente, Patronato, Sonora state, Mexico*

Video: *Louise Fresco, President, Executive Board, Wageningen University and Research*

Launch: CIMMYT Strategy 2016-2030 – *Martin Kropff*

18:00

Ranchero BBQ fiesta and music and cultural presentation

CIMMYT toasts

– *John Snape, CIMMYT Board Chair*

– *Martin Kropff*

– *Lucila Osorio Cenicerros, Innovative Farmer, Cuauhtémoc, Santa Catarina Tayata, Oaxaca, Mexico*

– *Jeanie Borlaug Laube, daughter of Dr. Norman Borlaug*

Memorial montage of CIMMYT luminaries

Honoring long-serving CIMMYT staff – *John Snape and Martin Kropff*

21:30

Bus back to Mexico City

Day 2, 28 September:

From production to improving livelihoods

Camino Real Hotel, Polanco, Ciudad de México

Master of Ceremonies: Nick Ishmael Perkins, Director, SciDev.net

08:30

Official opening – *Martin Kropff*, CIMMYT Director General

CIMMYT's role in Mexico's development – *To be announced*

08:50

Opening keynote: It all starts with a seed – How CIMMYT has changed the world – *Ed Mabaya*, The African Seed Access Index

09:10-09:40

Session 1: The new CGIAR – Science for a food-secure future

Chairs: *Nick Austin*, Interim Executive Director of the CGIAR System Organization; and *Martin Kropff*, Interim Chair of the CGIAR System Management Board

Video: *Kofi Annan*, former Secretary-General of the United Nations

SPEAKERS

Keynote: *Juergen Voegelé*, Senior Director, Agriculture Global Practice, World Bank and CGIAR System Council Chair

Jimmy Smith, Director General member of the CGIAR System Management Board

Elwyn Grainger-Jones, Executive Director of the CGIAR System Organization

09:40-11:00

Paving the way forward: Benefits of the new CGIAR system governance structure – Interactive panel of CGIAR funding partners, Directors General, and Ministers of Agriculture of Latin America (including Chile), Asia and Africa; and other panel participants

Moderator: *Nick Ishmael Perkins*

Video: *Akin Adesina*, President, African Development Bank

11:00-11:25

Coffee break

11:25

Session 2: The critical role of innovation in agriculture

Chairs: *Mohammed Shoeb Hassan*, Director, Bangladesh Agricultural Research Institute; and *Marianne Bänziger*, Deputy Director General for Research and Partnerships, CIMMYT

Keynote: From research to agricultural transformation – The role of smallholder producers – *Kanayo Nwanze*, President of IFAD

CIMMYT-BISA: Aiming at food, nutrition and environmental security in South Asia – *Raj Paroda*, Former Secretary, DARE, and Director General, ICAR, Government of India

Agricultural innovation and rural transformation in Latin America – *María Beatriz Giraudo*, Coordinator of Public Policies for Sustainable Development, Ministry of Agro Industry of the Nation, Argentina

Food and nutrition security in changing environments – Past, present and future – *Lindiwe Majele Sibanda*, Chief Executive Officer, Food, Agriculture and Natural Resources Policy Analysis Network (FANRPAN)

Agricultural research in Africa and CIMMYT – *Yemi Akinbamijo*, FARA Chair

Enabling smallholder farmers' access to agricultural innovations – How could public-private partnerships become more impactful? – *Paul Schickler*, President, DuPont Pioneer

12:55

Summary of session (Chairs)

13:00

Lunch

14:00

Session 3: Wheat and maize breeding – Evolution for greater impacts

Chairs: *Felister Makini*, Deputy Director General – Crops, KALRO; and *Prasanna Boddupalli*, Director, MAIZE and CIMMYT Global Maize Program

Keynote: How can we better feed the future? – *Rob Bertram*, Chief Scientist, Bureau for Food Security, USAID

Wheat genetics and molecular genetics: Past and future – *Graham Moore*, Programme Leader, Crop Genetics, John Innes Centre

High-throughput phenotyping in maize breeding – *José Luis Araus*, Professor, Plant Physiology, University of Barcelona

Evolution of genomic selection – *Jesse Poland*, Assistant Professor, Kansas State University

Day 2, 28 September:

From production to improving livelihoods

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- 15:00** **Panel discussion: Addressing the challenge of rapidly increasing genetic gains in maize and wheat in the developing world through breeding** – *Gunther Stiewe*, Head, Cereal Seed Development, Syngenta; *Nora Lapitan*, Senior Science Advisor, USAID; and *Abebe Menkir*, Team Leader, Maize Improvement, IITA
Moderator: *Prasanna Boddupalli*
- 15:40** **Summary of session (Chairs)**
- 15:45** **Coffee break**
- 16:10** **Session 4: Putting technical innovations into context to achieve greater impact**
- Chairs:** *Citlali Fuentes Morales*, Directora, Fundación Mexicana para el Desarrollo Rural; and *Bruno Gerard*, Director, Sustainable Intensification Program, CIMMYT
- Introduction**
- 16:20** **Keynote: A golden age of remote sensing – Possibilities and pitfalls for agricultural systems research** – *David Lobell*, Associate Professor, Earth System Science, Stanford University
- Keynote: Systems agronomy – From fields to farms and farming systems** – *Ken Giller*, Professor, Plant Production Systems, Wageningen University
- Panel: The contribution of farming systems research in scaling improved management practices and technical innovations** – *Shamie Zingore*, Director, International Plant Nutrition Institute (IPNI); *Saidi Mkomwa*, Chief Executive Officer, African Conservation Tillage Network (ACT); *Citlali Fuentes*, Directora General, Fundación Mexicana para el Desarrollo Rural; and *David Guarena*, Agriculture Innovations Manager, One Acre Fund
- Moderator:** *Tim Krupnik*, Systems Agronomist, CIMMYT, or *Jon Hellin*, Economist, CIMMYT
- 17:25** **Summary of session (Chairs)**
- 17:30** **Summary of the day and announcements (Marianne Bänziger)**
- 18:30** **CIMMYT50 Cocktail**

09:00

Session 5: Future landscapes

Chairs: *Eliud Kireger*, Director General, KALRO; and *Olaf Erenstein*, Director, Socioeconomics Program, CIMMYT

Keynote: Perspectives in nutrition and agricultural research-for-development – *Catherine Bertini*, Professor of Practice, Public Administration and International Affairs, Syracuse University

What does gender-balanced agriculture look like? – *Shelley Feldman*, Faculty Member, Cornell University

How the Australian national outlook can contribute to broadening the conversation globally – *Steve Hatfield-Dodds*, Chief Research Leader, Integration Science and Public Policy, CSIRO

Turning sustainability into economic value – *Gabriel Angiano*, Country Manager for Mexico, Lloyd's

Grain brain: Myths and facts about the benefits of wheat and grain – *Julie Miller Jones*, Advisor, Grains Food Foundation

10:25

Summary of session (Chairs)

10:30

Coffee break

Day 3, 29 September:

Advancing maize and wheat research-for-development

Camino Real Hotel, Polanco, Ciudad de México

Master of Ceremonies: Nick Ishmael Perkins, Director, SciDev.net

10:55

Session 6: Partnerships for impact

Chairs: *Alfonso Cebreros Murillo*, Director, Government Relations, Maseca Group and CIMMYT Trustee; and *Bram Govaerts*, Latin America Regional Representative, CIMMYT

Keynote: Balancing development and conservation – Is it just a dream? – *Roberto Hernández Ramírez*, Co-chair, Latin American Conservation Council

Changing the agri-food business through new partnerships

– *Gagan Khurana*, Co-founder, Maxiterra

A global vision with local execution: The Good Growth Plan –

Valter Brunner, Director, Corporate Affairs LatAm, Syngenta

11:40

Panel discussion: MasAgro at the state level – Mexican state governors.

Moderator: *Octavio Jurado*, Chief Executive Officer, the Mexican Association of Ministers of Agriculture and Livestock (AMSDA)

12:10

Panel discussion: Responsible sourcing for inclusion of smallholder

farmers – *Alberto Raich Ortega*, President, Kellogg Mexico; *Francis Perez*, Director of Shared Value and Sustainability Mexico, Nestlé; *David Bello*, Trading and Origination Director, Cargill; and representatives from Bimbo and Gruma

12:40

Summary of session (Chairs)

12:45

Lunch

13:45

Session 7: Game-changing technologies in agricultural research

Chairs: *Sol Ortiz*, Director, CIBIOGEM; and *Kevin Pixley*, Director, Genetic Resources Program, CIMMYT

Keynote: The role of genetically modified crops for food security – *Matin Qaim*, Professor, Georg-August-Universität Göttingen

Public-private partnership as game changer for technology development and deployment in Africa – *Denis Kyetere*, Executive Director, African Agricultural Technology Foundation (AATF)

CRISPR-CAS technology – *Neal Gutterson*, Vice President, Research and Development, DuPont Pioneer

15:10

Genetic gains and breeding: Novel tools and approaches – *Mark Cooper*, DuPont Pioneer

15:15

Improving the public conversation around agriculture – *Tamar Haspel*, Food Columnist, Washington Post

15:45

Equitable access to technology – *José Falck-Zepeda*, Senior Research Fellow, International Food Policy Research Institute (IFPRI)

Summary of session (Chairs)

Coffee break

Session 8: Empowering the next generation

Chairs: *Gloria Peralta*, Mexico Representative of the Inter American Institute for Cooperation on Agriculture, IICA; and *Martin Kropff*

Keynote: Preparing the next generation of agricultural researchers in China – *Chunming Liu*, Director, Institute of Crop Science, CAAS

Innovation in agricultural production in Mexico – *Andrés H. Vinicio Montiel Ibarra*, Asociación de Agricultores del Río Fuerte Sur, Sinaloa state, Mexico

Video: There are opportunities in agriculture – Well Told Story is unlocking them for young people through its 360 Shujaaz experience – *Anastasia Mirzoyants-McKnight*, Head of Knowledge and Learning, Well Told Story

Young people and agricultural research: Golden opportunity or wild goose chase? – *Jim Sumberg*, Fellow, Institute for Development Studies

Agro-innovators: What the new generation looks like – *Jehiel Oliver*, Founder and Chief Executive Officer, Hello Tractor

A historian's perspective on the debates in agricultural technologies – *Mark Lynas*, author and activist

17:30

Closing keynote: Agri-food systems at the heart of sustainable development – *Martin Kropff*

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