Session 3 - Breeding goals

14.25 – 14.55 Genetic strategies to improve wheat Nitrogen Use Efficiency
Jacques Le Gouis, National Institute for Agricultural Research (INRA), Clermont-Ferrand, France

14.55 – 15.25 International collaboration to improve wheat quality
Tatsuya M. Ikeda, National Agriculture and Food Research Organization (NARO), Hiroshima, Japan

15.25 – 15.45 Coffee Break

Session 3 - continued

15.45 -16.15 Opportunities for enhancing tolerance to climatic stress?
Peter Langridge, University of Adelaide, Australia

16.15 – 16.45 Genomics-assisted breeding approaches to improve durable fungal disease resistance in wheat
Beat Keller, University of Zurich, Switzerland

16.45 – 17.15 General discussion
Hélène Lucas, Wheat Initiative

17.15 – 17.30 Closing remarks
Federal Ministry of Agriculture and Food
Wheat is an important source of protein and energy and is of particular importance for food security. At the initiative of the G20 Agriculture Ministers, the Wheat Initiative was therefore established in September 2011 with the aim of stabilising and increasing wheat yields in the long-term. The initiative is intended to lay the foundations for sustainable and efficient wheat breeding through stronger communication and coordination and by setting research priorities.

Germany will be assuming the G20 Presidency in December 2016. I am therefore particularly delighted that right at the beginning of the German Presidency we are able to commence with an event on the important topic of “Wheat research - solutions to feed the earth’s growing population”. The aim of the event is to exchange ideas with leading experts from the field of wheat research on the current situation of international wheat breeding and to discuss further innovative approaches. This is another important step in achieving food security for a growing world population, as only by working together and building networks internationally we will be able to meet the challenges of our time.

Yours

Christian Schmidt,
Member of the Bundestag,
Federal Minister of Food and Agriculture

Program

Wednesday 7th December 2016
18:00 Registration
19:00 Welcome - Get together

Thursday 8th December 2016
8:00 Registration
9:00 – 9:25 Opening address
Peter Bieser, Parliamentary State Secretary to the Federal Ministry of Food and Agriculture
9:25 – 9:35 Welcome
Wolf von Rhade, German Plant Breeders Association (BDP)
9:35 – 9:45 Welcome
Frank Ordon, Wheat Initiative
Moderation: Wolfgang Friedt

Session 1 - The importance of improving wheat
9.45 – 10.25 Global wheat improvement priorities require global cooperation
Hans-Joachim Braun, International Maize and Wheat Improvement Center (CIMMYT), El Batan, Mexico
10.25 – 10.45 Progress in wheat breeding in Germany and future main avenues
Friedrich Longin, University of Hohenheim, Germany

Session 2 - Game changers
11.15 – 11.45 The Wheat Genome Sequence
Nils Stein, Leibnitz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben, Germany

11.45 – 12.05 Uncovering novel variation in wheat genes
Ksenia Krasileva, The Genome Analysis Centre (TGAC), Norwich, UK

12.05 – 12.25 Genome engineering in temperate cereals
Jochen Kumlehn, Leibnitz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben, Germany

12.25 – 13.15 Lunch

Session 2 - continued
13.15 – 13.45 Hybrid breeding and genomic selection in wheat
Jochen Reif, Leibnitz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben, Germany

13.45 – 14.05 Overcoming the phenotyping bottleneck
Ulrich Schurr, Forschungszentrum Jülich, Germany

14.05 – 14.25 Unlocking genetic diversity for disease resistance in wheat
Brande Wulf, John Innes Centre (JIC), Norwich, UK