



# WHEAT CONGRESS

## Workshop 16: Biological Nitrification Inhibition (BNI)

Sunday, 22 September 2024

Perth Conference & Exhibition Centre (PCEC), Perth, Western Australia

Meeting Room 10, PCEC

Tentative Program		
Sunday, 22 September 2024		
Time	<p><b>Co-Chairs: Prof Wolfram Weckwerth, University of Vienna, Austria</b>  <b>Dr Susanne Dreisigacker, CIMMYT, Mexico</b>  <b>Dr Carolina Saint Pierre, CIMMYT, Mexico</b></p> <p><b>Moderators: Viktor Kommerell, BNI-Mission Director, CIMMYT</b>  <b>Dr Tony Fischer, Honorary Visiting Scientist, Australian National University</b></p>	
13:00 – 13:10	Introduction	
13:10 – 13:30	BNI-Wheats – A new category of wheats that are highly nitrogen-efficient, requires less nitrogen-inputs, highly productive and leak less nitrogen	<b>Dr Guntur Subbarao</b> Japan International Research Center for Agricultural Sciences, Japan
13:30 – 13:50	CropSustain: The ‘Low-N footprint’ WHEAT MISSION	<b>Dr Carolina Saint-Pierre</b> CIMMYT, Mexico
13:50 – 14:10	An overview of BNI wheat research in India	<b>Dr Pradeep Kumar Bhati</b> CIMMYT, Mexico
14:10 – 14:30	Exploring the genetic frontiers of BNI	<b>Dr Julio Huerta</b> CIMMYT, Mexico
14:30 – 14:50	Tea/Coffee break	
14:50 – 15:10	Exploring BNI in Winter Wheat	<b>Dr Guillermo Gerard</b> CIMMYT, Mexico
15:10 – 15:30	Natural variation of BNI and root exudate metabolomes in wheat germplasm collections	<b>Dr Wolfram Weckwerth</b> University of Vienna, Vienna
15:30 – 15:50	Modelling plausible impacts of biological nitrification inhibition in Australian farming systems – outline of current research	<b>Dr Kirsten Verburg</b> Commonwealth Scientific and Industrial Research Organisation (CSIRO) Agriculture and Food, Australia
15:50 – 15:55	Closing remarks by Co-Chairs	