

Boron satellite meeting, 19 August, Saturday	
Location: Copenhagen Plant Science Centre	
9:00-10:35	<p><b>9:00-9:05 Welcome by Jan K. Schjoerring, Denmark</b></p> <p><b>Session I – Biological functions and transport of boron</b></p> <p><b>9:05-9:35</b> Recent advances in boron transport and functionality <b>Toru Fujiwara, Japan</b></p> <p><b>9:35-9:55</b> Boron bridging of pectic polysaccharides - the elusive biological catalyst <b>Dayan Sanhueza, England</b></p> <p><b>9:55-10:15</b> Beyond the wall: Boron, hormones and meristems in maize <b>Paula McSteen, USA</b></p> <p><b>10:15-10:35</b> Critical roles of boron in root growth and uptake of nutrients <b>Ismail Cakmak, Turkey</b></p>
10:35-11:00	Coffee break
11:00-12:30	<p><b>Session I – Biological functions and transport of boron (cont.)</b></p> <p><b>11:00-11:15</b> A phenotypic comparison between boron deficiency and RGII disruption responses in Arabidopsis <b>Isidro Abreu, Spain</b></p> <p><b>11:15-11:30</b> Mechanisms of early responses of Arabidopsis roots to boron deprivation <b>Masaru Kobayashi, Japan</b></p> <p><b>11:30-11:45</b> Boron deprivation affects the expression of the Arabidopsis root meristem regulator WOX5 <b>Christoph Spitzer, Germany</b></p> <p><b>11:45-12:00</b> Influence of boron and aluminium on polar auxin transport in root tips <b>Min Yu, China</b></p> <p><b>12:00-12:15</b> The role of boron in vegetative and reproductive development in maize <b>Michaela Matthes, USA</b></p> <p><b>12:15-12:30</b> Development and utilization of cytosolic boric acid sensors for boron-transport studies <b>Junpei Takano, Japan</b></p>

12:30-13:30	Lunch and poster viewing
13:30-15:30	<p><b>Session II – Boron in crops, soil and fertilizers</b></p> <p><b>13:30-14:00</b> Developing more effective boron fertilizers <b>Mike McLaughlin, Australia</b></p> <p><b>14:00-14:10</b> Evaluation of efficacy of boron metalosate foliar supplement for maximising the yield and quality of pomegranate (<i>Punica granatum</i>) <b>Chickadibburahalli Subbarayappa, India</b></p> <p><b>14:10-14:20</b> Boron dynamics in volcanic ash-derived soils <b>Maria Fernanda Terraza Pira, USA</b></p> <p><b>14:20-14:30</b> Application of graded levels of zinc and boron on availability of boron and boron fractions of paddy <b>Mahendra Kumar, India</b></p> <p><b>14:30-14:40</b> Boron fertilization of three irrigated cropping systems in calcareous soils: Residual and cumulative effect <b>Abdul Rashid, Pakistan</b></p> <p><b>14:40-14:50</b> Efficiency of boron fortified sulphur granules in enhancing yield, uptake and quality of chillies in swell-shrink soils of India <b>Maha Vir Singh, India</b></p> <p><b>14:50-15:00</b> Effect of foliar spray of boron metalosate on yield and quality of grapes (<i>Vitis vinifera</i>) <b>Ramya S.H. Hanumegowda, India</b></p> <p><b>15:00-15:10</b> Influence of soil and foliar applied boron fertilizer on physiological and yield parameters of transgenic cotton under alkaline calcareous soils <b>S. Ahmad, Pakistan</b></p> <p><b>15:10-15:20</b> The effect of pH on boron toxicity and boron distribution in wheat and oil rapeseed <b>Sajid Masood, China</b></p> <p><b>15:20-15:30</b> Long-term effects of boron fertiliser and weed control on foliar nutrition and growth of eight radiata pine genotypes grown at two contrasting sites in New Zealand <b>Jianming Xue, New Zealand</b></p>

15:30-16:00	Coffee break and poster viewing
16:00-18:00	<b>Session III – Genetics, physiology and molecular biology of boron efficiency and tolerance</b>
	<b>16:00-16:30</b> Boron in boreal forest trees and forestry <b>Tarja Letho, Finland</b>
	<b>16:30-16:45</b> Genotype differences from phenotypic to molecular levels in <i>Brassica napus</i> in response to boron deficiency <b>Fangsen Xu, China</b>
	<b>16:45-17:00</b> Identifications of mechanisms contributing to boron efficiency in <i>Brassica napus</i> and <i>Arabidopsis</i> <b>Gerd Patrick Bienert, Germany</b>
	<b>17:00-17:10</b> Shoot based mechanisms are involved in boron toxicity tolerance in rice <b>Monika Wimmer, Germany</b>
	<b>17:10-17:20</b> Differential alternative splicing genes in response to low boron in <i>Brassica napus</i> <b>Lei Shi, China</b>
	<b>17:20-17:30</b> Boron toxicity responses in plant model species <i>Brachypodium distachyon</i> <b>Esref Erdogan, Turkey</b>
<b>17:30-18:00</b> Boron in plant biology: A review <b>Patrick Brown, USA</b>	
18:00-20:00	Poster viewing and get-together reception