



ISTA

ANNUAL MEETING

01-04 JULY



2024



CAMBRIDGE, UNITED KINGDOM

PROGRAMME BOOKLET



ISTA
100 YEARS

A CENTURY OF PROGRESS IN SEED QUALITY ASSURANCE

AGENDA



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SUNDAY 30 JUNE 2024



Time	Event
17:00	Registration desk open 📍 Cambridge Union Society
18:00	Welcome Reception 📍 Cambridge Union Society

MONDAY 01 JULY 2024



Time	Event
09:00 - 10:00	Opening Annual Meeting Mario Caccamo NIAB, <i>Chief Executive</i> UK seed trade from an industry point of view. <i>Rose Riby, Agricultural Industries Confederation (AIC), Head of Arable Marketing and Seed</i> Maintaining UK biosecurity by intercepting pathogens in trade. <i>Victoria Barton, Seed testing laboratory manager Fera Science Ltd</i> “AI-powered seed quality and vigour assessment using multispectral imaging and low-cost germination device” <i>Ji Zhou NIAB, Head of Data Sciences Dept. & Phenomics Programme Leader.</i> Opening speech <i>Keshavulu Kunusoth, ISTA President</i>
10:00 - 10:30	Coffee break
10:30	Seminar 📍 Cambridge Union Society Seed quality assurance a critical component of food and nutritional security Session 1 Optimising seed storage from GenBank to farmers a critical step in food security <i>Chair: Jayanthi Nadarajan, Chair ISTA Storage Committee</i>
10:30 - 10:50	Seed longevity and genetic variation in crop GenBank, emphasis on orthodox seeds. <i>Manuela Nagel, Head of Cryo- and Stress Biology. Leibniz Institute of Plant Genetics and Crop Plant Research, IPK Germany</i>
10:50 - 11:10	Seed storage, with emphasis on relative effects temperature, moisture and oxygen. <i>Steven Groot, International Seed Academy, The Netherlands</i>
11:10 - 11:30	Cryopreservation, emphasis on long-term security of crop germplasm and recalcitrant seeds. <i>Jayanthi Nadarajan, Team Leader Germplasm Conservation, Plant & Food Research, New Zealand</i>



Time	Event
	Session 2 The importance of germination testing in seed quality assurance <i>Chair: Gillian Musgrove, Chair ISTA Germination Committee</i>
11:30 - 11:50	The importance of assuring seed germination quality from the laboratory into the marketplace and to the grower. <i>David Johnston, ISTA Germination Committee Vice-Chair, USA</i>
11.50 - 13:00	Lunch
13:00 - 13:20	The importance of having competent personnel for germination tests. <i>Augusto Martinelli, Rayen Seed Testing Laboratory, Argentina</i>
13:20 - 13:40	Quality of forest seeds and food and nutritional security. <i>Elisa Vieira, EMBRAPA Forestry, Brazil</i>
	Session 3 HTS use in pathogen detection on seed <i>Chair: Ruud Barnhoorn, Chair ISTA Seed Health Committee</i>
13:40 - 14:00	Mass sequencing: a useful tool for the control of plant diseases. <i>Jaime Cubero, CSIC, INIA - Investigador Científico. Bacteriología. PV, Spain</i>
14:00 - 14:20	Future for high throughput sequencing in seed health testing. <i>Ruud Barnhoorn, Researcher vegetable seed pathology, Naktuinbouw, The Netherlands</i>
14:20 - 14:40	Validation of a high throughput sequencing test within an iso17025 accredited plant health laboratory. <i>Marcel Westenbergh, NIVIP – Dutch NPPO</i>
14:40 - 15:10	Coffee break
	Session 4 Variety identification for traceability <i>Chair: Marie-Claude Gagnon, Vice Chair ISTA Variety Committee</i>
15:10 - 15:30	From seed company to supermarket: the benefits of variety traceability <i>Lorella Andreani, CREA – DC, Italy</i>
15:30 - 15:50	Proficiency Testing Program for Variety Verification at ISTA <i>Marie-Claude Gagnon, Canadian Food Inspection Agency (CFIA), Canada</i>
15:50 - 16:10	QA Session
16:10 - 16:30	Seminar Closing remarks. <i>Keshavulu Kunusoth, ISTA President</i>

TUESDAY 02 JULY 2024



Time	Event
	ISTA Technical Committees open meetings 📍 Cambridge Union Society
08:30 - 08:45	Rules Committee
08:45 - 09:00	Bulking and Sampling Committee
09:00 - 09:15	Seed Storage Committee



Time	Event
09:15 - 09:30	Flower Seed Testing Committee
09:30 - 09:45	SSAG
09:45 - 10:00	SST
10:00 - 10:15	GMO Committee
10:15 - 10:45	Coffee break
10:45 - 11:45	Advanced Technologies Committee
11:45 - 12:45	Germination Committee
12:45 - 13:45	Lunch
13:45 - 14:45	Nomenclature Committee
14:45 - 15:45	Seed Health Committee
15:45 - 16:15	Coffee break
16:15 - 17:15	Statistics Committee
17:15 - 17:45	Wild Species WG
17:00 - 18:00	Meeting with ISTA Designated Members (closed meeting)

WEDNESDAY 03 JULY 2024



Time	Event
	ISTA Technical Committees open meetings 📍 Cambridge Union Society
08:30 - 09:00	Proficiency Test Committee
09:00 - 09:30	Tetrazolium Committee
09:30 - 10:15	Moisture Committee
10:15 - 10:45	Coffee break
10:45 - 11:45	Variety Committee
11:45 - 12:45	Purity Committee
12:45 - 13:45	Lunch
13:45 - 14:45	Forest Tree and Shrub Seed Committee
14:45 - 15:45	WG on practical guidelines for Image Analysis
15:45 - 16:15	Coffee break
13:45 - 14:45	Vigour Committee
16:15 - 16:45	New Technologies in seed testing Exploring Molecular Tools for Evaluating Seed Quality. Giovanni Lopez (ATC) Developments in Multispectral Imaging and Image Analysis on seeds. Birte Boelt (ATC) An example of using Bayesian statistics: revised OSD heterogeneity testing under certain conditions Kirk Remund and Jean-Louis Laffont (STA)
19:00	Gala Dinner 📍 Cambridge Guildhalls



THURSDAY 04 JULY 2024



Time	Event
08:30 - 13:00	ISTA Ordinary General Meeting 📍 Cambridge Union Society (separate agenda OGM24-01)
13:00 - 14:00	Lunch
14:00 - 15:30	ISTA Ministerial Session “The Role and Future of ISTA in Seed Testing and Quality Assurance in the Face of Climate Change”.
15:30 - 16:00	Coffee break
16:00 - 17:00	ISTA Ministerial Session <i>Continued</i>
19:00	ISTA and ISF Invitation only dinner 📍 Christ's college

FRIDAY 05 JULY 2024

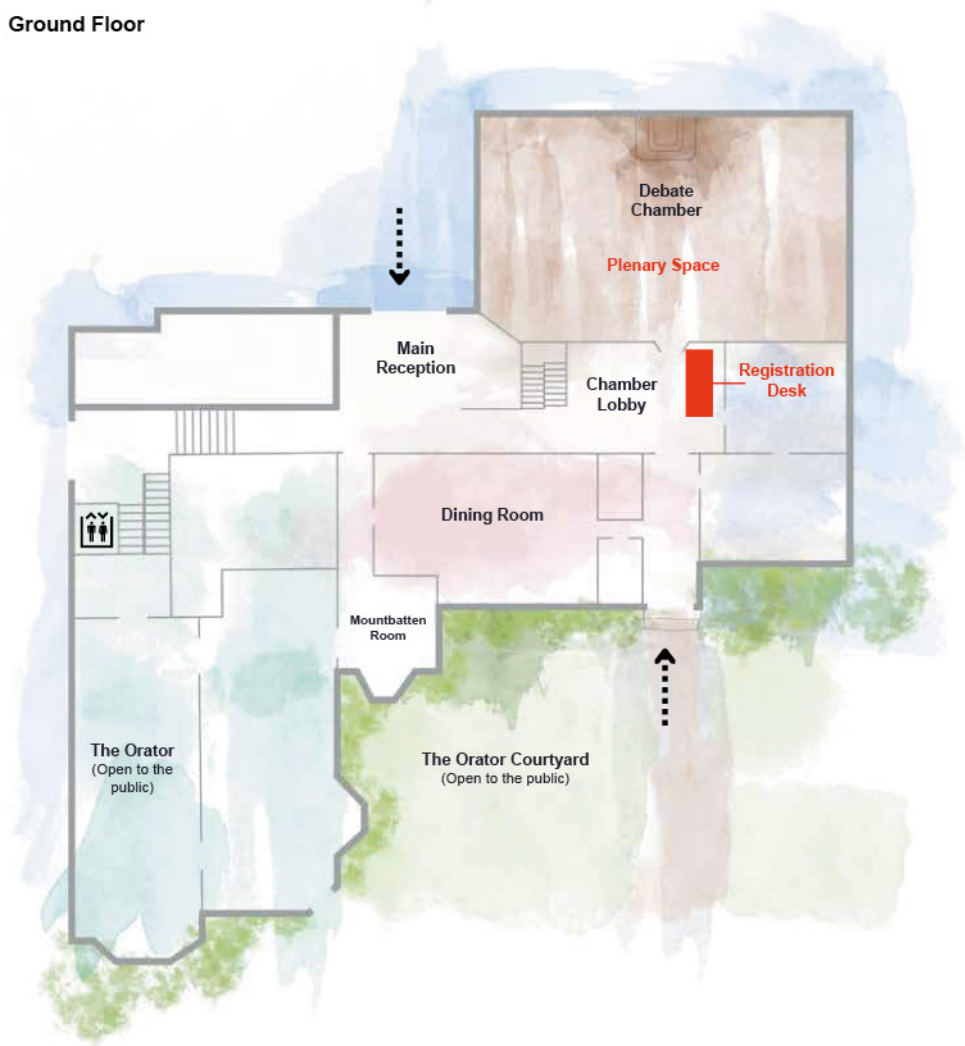


Time	Event
	ISTA – ISF Forum 📍 Cambridge Union Society Quality seed production for resilient and sustainable agriculture
09:00 - 09:10	Opening Andreas Wais, <i>ISTA Secretary General</i> Michael Keller, <i>ISF Secretary General</i>
09:10 - 09:40	Historical background/progress of the associations and vision for the future Keshavulu Kunusoth, <i>ISTA President</i> Santosh Attavar, <i>ISF President</i>
09:40 – 10:10	Diversity of crops for future needs Hugh Pritchard, <i>Head of Seed Biology Research Group, Chinese Academy of Sciences, Kunming Institute of Botany, Consultant in Genetic Resources Conservation</i> Marco van Leeuwen, <i>Managing Director of Rijk Zwaan</i>
10:10 - 10:30	Coffee break
10:30 - 10:45	New technologies and innovations in seed production. David Malan, <i>Managing Director Klein Karoo Seed Production</i>
10:45 - 11:00	Importance of seed quality assurance for food and nutritional security. Chikelu Mba, <i>Deputy Director of the FAO Plant Production and Protection Division (NSP)</i>
11:00 - 12:30	Discussion Forum <i>Moderator: Anna Hill, Journalist and Broadcaster, BBC Radio 4 presenter of Farming Today</i>
12:30 - 13:30	Lunch
13:30 - 18:00	Post meeting tour (only by reservation)



FLOOR PLANS

Ground Floor



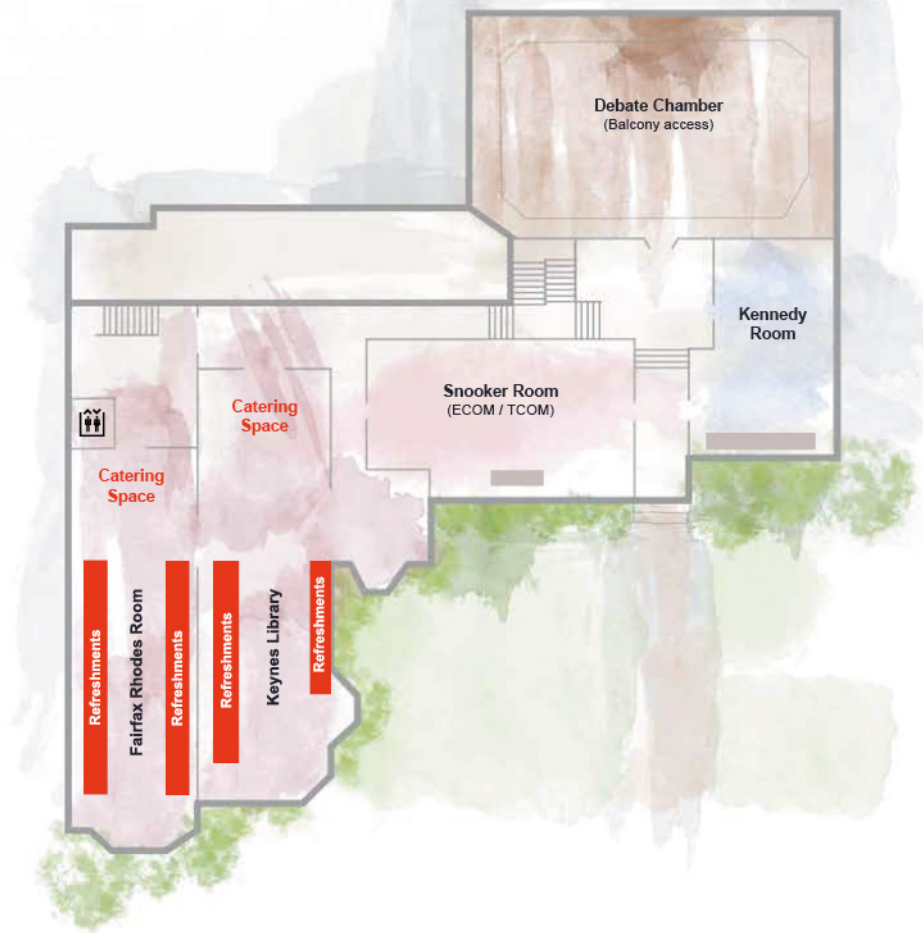
Toilets are located in the basement and are accessible via lift and stairs.,
Lift access to all levels.

**CAMBRIDGE
UNION SOCIETY**
events venue



FLOOR PLANS

First Floor



Toilets are located in the basement and are accessible via lift and stairs.,
Lift access to all levels.

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ADDITIONAL INFORMATION

WIFI

A wifi connection for all is free of charge
To access a connection, proceed as follows:

Wi-Fi network: **CUS-Members**

Wi-Fi Password: **Cu5M3mber\$**



GALA DINNER

Venue: Cambridge Guildhall - CB2 3QJ,
Use the entrance on Guildhall Street opposite “YO! Sushi”

Date: Wednesday 3 July

Time: 19:00

Dress code: Business Casual



LOCATIONS AT A GLANCE



**The Cambridge
Union Society**

**9a Bridge Street
Cambridge
CB2 1UB**



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The Guildhall

**Market Square
Cambridge
CB2 3QJ**





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