



ISTA
Seed Quality Assurance

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WORKING PROGRAMME OF ISTA COMMITTEES 2022-2025

This document was prepared by the Technical Committees and approved by the Executive Committee.

The aim of this document is to approve the Working Programme of the Technical Committees for the next triennium (2022 - 2025).

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ATC – Advanced Technology Committee

COMMITTEE MEMBERSHIP LIST			
		Country	Active since
1	CHAIR: Bert van Duijn	Netherlands	2007
2	VICE-CHAIR: Francisco G. Gomes Jr.	Brazil	2016
3	Birte Boelt	Denmark	2011
4	Kent Bradford	USA	2007
5	Mailén Ariela Martinez	Argentina	2016
6	Henry Bruggink	Netherlands	2014
7	Aurélie Charrier	France	2018
8	Devaraja Achar	India	2016
9	Nikolay S. Priyatkin	Russia	2016
10	Zhujun Zhu	China	2008
11	Giovanny Lopez	Netherlands	2019
12	Tomoko Sakata	Japan	2017
13	Sebastian Bobber	Germany	2016
14	Brigitte Hamman	South Africa	2007
15	vacancy		
	ECOM liaison officer: Craig R. McGill	New Zealand	
A. RULES DEVELOPMENT			
<u>A1. Introduction of New Methods</u>			
	Method name	proposed	collaboration
	subject	finalisation	
1	X-ray test Chapter 14	2023	FTS, PUR
<u>B3. Scientific information publications</u>			
	Publication title	proposed	collaboration
		finalisation	
1	ATC Web-pages	N.A.	
2	Overview of all image forming technologies and their application to seeds	N.A.	
3	Conclusion paper on nanotechnology working group activities	2022	
4	Inventory of mathematical models in seed testing	2023	
5	Special feature issues of X-ray in seeds	2024	
6	Chapter X-ray imaging in “Handbook of Tree and Shrub seed testing”	2023	FTS
7	Report on multi spectral seed imaging in OSD	2022	PUR
8	Report on imaging technologies in seed testing	2022	PUR, GER
9	Report/paper on new methods for insect detection	2023	SHC
10	Molecular technologies in Seed Testing	2025	?
C. WORKSHOPS AND SEMINARS			
<u>C1. Training and education workshops</u>			
	workshop subject	proposed	collaboration
	location	finalisation	
1	Seed Image analysis workshop (Italy)	2023	
2	Seed image analysis workshop (t.b.d.)	2025	
<u>C2. Seminars</u>			
	Seminar subject	proposed	collaboration
	location	finalisation	

1	Advances in seed testing (seminar) (Asia)	2024	
2	Advances in seed testing (seminar) (South America)	2025	
3	Advances in seed testing (seminar) (Africa)	2024	
F. SPECIAL PROJECTS			
	project title / subject collaborating committees	proposed finalisation	collaboration
1	New Technologies for Other Seeds Determination	2022	PUR
2	Assessment on available technologies of imaging and image analysis for other seeds determination (OSD), purity analysis and germination.	2022	PUR, GER
3	New methods for insect detection in seeds	2023	SHC
4	X-ray to detect seed viability (to be applied for)	2025	TEZ (?)
5	Using mathematical models to improve seed testing	2025	STA (?)

BSC – Bulking and Sampling Committee

COMMITTEE MEMBERSHIP LIST		
	Country	Active since
1 CHAIR: Corinne Guimier	France	2019
2 VICE-CHAIR: Eddie Goldschagg	South Africa	2001
3 Ignacio Aranciaga	Argentina	2016
4 Chandrashekara Bhat	India	2022
5 Lotta Claesson	Sweden	2008
6 Gerry Hall	United Kingdom	2001
7 David Johnston	USA	2016
8 Birte Krogh	Denmark	2019
9 Michael Kruse	Germany	1995
10 Bülent Öztürk	Turkey	2020
11 José Maurício Pereira	Brazil	2013
12 Leena Pietilä	Finland	2005
13 Cza Realubit	The Philippines	2019
14 Justin Salter	New Zealand	2020
15 Evans Tembo	Zambia	2019
ECOM liaison officer: Steve Jones	Canada	
A. RULES DEVELOPMENT		
<u>A1. Introduction of New Methods</u>		
Method name subject	proposed finalisation	collaboration
1 Sampling for dust-like species	2024	PUR
2 Validation of the tube trier	2024	
3 Sample and Lot Weight determination for new species in ISTA Rules		PUR, STA
4 Sampling conditions for issuing OICs when ISTA methods are described only for untreated seeds	2024	
<u>A3. Introduction of Rules Changes</u>		
Subject	proposed finalisation	collaboration
1 Number of sub-lot certificates		ISTA WG VSI,
2 Size of submitted and working samples for vegetable seeds		ISF Veg WG
B. PUBLICATIONS		
<u>B1. Publications to accompany the Rules</u>		
Publication title	proposed finalisation	collaboration
1 Handbook on Seed Sampling: Spanish translation	2024	A. Martinelli
2 Handbook on Seed Sampling: other translations, upon proposition/request		
C. WORKSHOPS AND SEMINARS		
<u>C1. Training and education workshops</u>		
workshop subject location	proposed finalisation	collaboration
1 ISTA Workshop on Seed Sampling and Quality Assurance in Sampling, Karacabey-Bursa, Turkey	Sept 2022	VRSCC -Tr
2 ISTA Combined Workshop on Sampling, Purity & Germination, Hyderabad, India	Nov 2022	PUR, GER, TSSOCA - In
2 ISTA Workshop on Seed Sampling and Quality Assurance in Sampling, Odense, Denmark	May 2023	DLF - Dk
3 Other workshops on seed sampling, upon request		
F. SPECIAL PROJECTS		

project title / subject collaborating committees	proposed finalisation	collaboration
1 Further development of training videos	Ongoing	
2 Further development of the sampling calculator, further translations	Ongoing	

FSC – Flower Seed Committee

COMMITTEE MEMBERSHIP LIST			
		Country	change comments
1	CHAIR: Sarah Dammen	USA	New chair
2	VICE-CHAIR: Meriam Dekalo Karen	Israel	New vice-chair
3	Rachael Davies	United Kingdom	
4	Sylvie Ducournau	France	
5	Erik van Egmond	Netherlands	
6	Stefanie Kramer	Germany	
7	Shizka Takeuchi	Japan	
8	Lucele Pretorius	South Africa	
9	Zita Ripka	Hungary	
10	Maria Marin	Croatia	Leaving
11	Soo-Young KIM	South Korea	Leaving
12	Rita Zecchinelli	Italy	Leaving - Retired
13	Alice Di Sacco	United Kingdom	Leaving
14			
15			
	ECOM liaison officer: Sylvie Ducournau	France	
A. RULES DEVELOPMENT			
<u>A1. Introduction of New Methods</u>			
	Method name	proposed	collaboration
	subject	finalisation	remarks update progress
1	Addition of 20°C for <i>Papaver somniferum</i>	2022	GER Organised by Vladislava Gregorová, CZ. The analysis of the results in progress.
<u>A3. Introduction of Rules Changes</u>			
	Subject	proposed	collaboration
		finalisation	remarks update progress
1	Sample size for flower species (Table 2A part 3)	On-going	BSC Data collection in progress. Not easy. (R. Zecchinelli)
2	Clarification about OSD for species listed in Table 2A, part 3	2020	BSC To be started (R. Zecchinelli)
<u>B2. Training publications on specific seed testing topics</u>			
	Publication title	proposed	collaboration
		finalisation	remarks update progress
1	Collaboration in the project of the website TSWS (Testing Seeds of Wild Species): wild flower species		WS In progress (R. Davies)
C. WORKSHOPS AND SEMINARS			
<u>C1. Training and education workshops</u>			
	workshop subject	proposed	collaboration
	location	finalisation	remarks update progress

1	ISTA Workshop on Tetrazolium Testing and Equilibrium relative humidity (ERH) determination for Wild Species and Flowers	2023	TEZ, MOI	(S. Kramer, F. Hay, S. Pasquini)
D. Proficiency Tests				
Proficiency Test Subject		proposed finalisation	collaboration	remarks update progress
1	ISTA PT Programme 2022/25	2023 (TBC)	PTC	Alcea GER
F. SPECIAL PROJECTS				
project title / subject collaborating committees		proposed finalisation	collaboration	remarks update progress
1	Participation in the preparation of the exercise on seed mixture (distribute with PT samples)	2019-22	PUR -PTC	Ongoing (S. Takeuchi)
2	Collaboration with AOSA: comparison of species listed in AOSA and ISTA Rules	2023	AOSA	To be started (S. Dammen)
3	Collection of information about Flower seed Testing by ISTA laboratories	2022		To be started
4	Inventory of TZ methods used by the laboratory for flower species	2022	TEZ	To be started (S. Kramer, TBD)

FTS – Forest Tree and Shrubs Seed Committee

COMMITTEE MEMBERSHIP LIST		
	Country	Active since
1 CHAIR: Elisa Vieira	Brazil	2007
2 VICE-CHAIR: Victor Vankus	USA	2019
3 Magdalena Beza	Poland	2019
4 Lena Bezdecková	Czech Republic	2016
5 Valerie Blouin	France	2013
6 Isolde Dorothea Kossmann Ferraz	Brazil	2004
7 Marija Gradecki-Postenjak	Croatia	2010
8 Dave Kolotelo	Canada	2004
9 Stefanie Kramer	Germany	2007
10 Shelagh McCartan	United Kingdom	2019
11 Heidi Rosok Bye	Norway	2007
12 Edoardo Vicenti	United Kingdom	2017
13 Chandrashekara Vokkaliga Devegowda	India	2018
14		
15		
ECOM liaison officer: Steve Jones	Canada	
<u>A2. Introduction of New Species</u>		
Species and test	proposed finalisation	collaboration
1 <i>Khaya grandifoliola</i> – germination test	2023	
<u>B1. Publications to accompany the Rules</u>		
Publication title	proposed finalisation	collaboration
1 e-Handbook of Tree seeds and seedlings	2025	
<u>B3. Scientific information publications</u>		
Publication title	proposed finalisation	collaboration
1 Importance of forest seeds.	2024	
C. WORKSHOPS AND SEMINARS		
<u>C1. Training and education workshops</u>		
workshop subject location	proposed finalisation	collaboration
1 Workshop of Seed Sampling for forest seed sector in Brazil	2025	BSCom

GER – Germination Committee

COMMITTEE MEMBERSHIP LIST		
	Country	Active since
1 CHAIR: Gillian Musgrove	United Kingdom	2004
2 VICE CHAIR: David Johnston	USA	2013
3 Ignacio Aranciaga	Argentina	2007
4 Janek Bartel	Canada	2019
5 Sarah Dammen	USA	2013
6 Gillian Durrant	United Kingdom	2021
7 Erik van Egmond	Netherlands	2019
8 Meriam Dekalo Keren	Israel	2016
9 Sylvie Ducournau	France	2004
10 Lesly González	Chile	2016
11 Aidin Hamidi	Iran	2016
12 Andrea Jonitz	Germany	2010
13 Augusto Martinelli	Argentina	2007
14 Dot Vittrup Pederson	Denmark	2019
15 Melissa Phillips	USA	2021
16 Vacant – voting in progress		
17 Vacant – voting in progress		
ECOM liaison officer: Ruel Gesmundo	Philippines	
A. RULES DEVELOPMENT		
<u>A1. Introduction of New Methods</u>		
Method name subject	proposed finalisation	collaboration
1 Addition of 20°C for <i>Papaver somniferum</i>	2023	FSC
2 Addition of dormancy breaking methods for <i>Cannabis sativa</i> (hemp)	2025	AOSA/SCSTand CFIA
3 Consider more efficient methods to break sunflower (<i>Helianthus annuus</i>) seed dormancy	2024	
4 Work on optimal germination conditions for sunflower (<i>Helianthus annuus</i>) confection seeds	2024	
<u>A2. Introduction of New Species</u>		
Species and test	proposed finalisation	collaboration
1 Introduction of <i>Diplotaxis</i> spp.	2023	BSC, PUR
2 Introduction of <i>Basella alba</i> (Malabar spinach)	2023	BSC, PUR, AOSA
3 Introduction of <i>Moringa oleifera</i>	2023	BSC, PUR, TZ, MOI, NZ lab
4 Introduction of tropical species under the direction of the ECOM	ongoing	ECOM. TCOMs
<u>A3. Introduction of Rules Changes</u>		
Subject	proposed finalisation	collaboration
1 Pre-washing of <i>Beta</i> seeds	2025	RUL
2 Consider the seedling evaluation group for <i>Pisum sativum</i> (criteria regarding auxiliary shoots)	2025	AOSA/Finnish Food Authority
3 Review of Chapter 11 considering reporting requirements	2023	PUR, RUL
4 Review of Chapter 13	2023	RUL

B. PUBLICATIONS		
B1. Publications to accompany the Rules		
Publication title	proposed finalisation	collaboration
1 ISTA Handbook on Seedling Evaluation (Spanish Version) – translation into Spanish	2023	Secretariat
2 ISTA Handbook on Seedling Evaluation, 4 th edition – revision of Handbook and addition of new images from ISTA Special Project	2025	Secretariat
C. WORKSHOPS AND SEMINARS		
C1. Training and education workshops		
workshop subject location	proposed finalisation	collaboration
1 ISTA Workshop on Seed Sampling, Purity, and Germination – Hyderabad, India	Nov 2022	BSC, PUR
2 ISTA Workshop Purity & Germination – Kyiv, Ukraine	TBD	PUR
3 ISTA Workshop on Germination, Tetrazolium & Vigour – Izmer, Turkey	TBD	TZ, VIG
4 ISTA Workshop on Germination & Tetrazolium - New Zealand	TBD	TZ
5 ISTA Workshop Purity & Germination – Ankara, Turkey	TBD	PUR
6 ISTA Workshop Purity, Germination and Moisture Committee - Iran	TBD	PUR, MOI
7 ISTA Workshop Germination - Zambia	TBD	
D. Proficiency Tests		
Proficiency Test Subject	proposed finalisation	collaboration
1 PT23-1 <i>Vicia sativa</i>	2023	PTC
2 PT23-2 <i>Raphanus sativus</i>	2023	PTC
3 PT23-3 <i>Trifolium hybridum</i>	2023	PTC
4 PT24-1 <i>Triticum aestivum</i> subsp. <i>aestivum</i>	2024	PTC
5 PT24-2 <i>Alcea rosea</i>	2024	PTC
6 PT24-2 <i>Arachis hypogaea</i>	2024	PTC
7 PT24-3 <i>Bromus inermis</i>	2025	PTC
8 PT24-3 <i>Coriandrum sativum</i>	2025	PTC
9 PT25-1 <i>Beta vulgaris</i> (pelleted seeds)	2025	PTC
F. SPECIAL PROJECTS		
project title / subject collaborating committees	proposed finalisation	collaboration
1 19-1 Assessment on available technologies of imaging and image analysis for other seeds determination (OSD), purity analysis and germination.	2022	ATC, PUR
2 21-2 Update seedling images for handbook and training as a basis for regular image collection	2023	Secretariat

GMO – Committee

COMMITTEE MEMBERSHIP LIST			Country	Active since
1	CHAIR: Enrico Noli		Italy	
2	VICE-CHAIR: René Mathis		France	
3	Tajinder Grewal		Canada	
4	Andrea Jonitz		Germany	
5	Jean-Louis Laffont		France	
6	Dwarkesh Parihar		India	
7	Elena Perri		Italy	
8	Kirk Remund		USA	
9	Ray Shillito		USA	
10	Ana Laura Vicario		Argentina	
11	Bruno Zaccomer		France	
12	Dabing Zhang		China	
13				
14				
15	New applications are currently under consideration			
	ECOM liaison officer: Berta Killermann		Germany	
A. RULES DEVELOPMENT				
<u>A3. Introduction of Rules Changes</u>				
	Subject		proposed finalisation	collaboration
1	1.5.3 Reporting of uncertainty of measurement on ISTA certificates. This paragraph contradicts some indications contained in Chapter 19 (19.7 Reporting results)		2022	STA
B. PUBLICATIONS				
<u>B1. Publications to accompany the Rules</u>				
	Publication title		proposed finalisation	collaboration
1	Handbook on GMO testing		2023	STA, Secretariat
<u>B2. Training publications on specific seed testing topics</u>				
	Publication title		proposed finalisation	collaboration
1	New documents related to GMO accreditation (Performance Data Evaluation for Adventitious Presence as well as for Trait Purity)		2023	STA, Secretariat
C. WORKSHOPS AND SEMINARS				
<u>C1. Training and education workshops</u>				
	workshop subject		proposed	collaboration
	location		finalisation	
1	No specific workshops are planned at the moment, but availability for them upon request			

D. Proficiency Tests			
	Proficiency Test Subject	proposed finalisation	collaboration
1	Corn (tentative)	2023	
2	Cotton (tentative)	2024	
	Start a discussion on possible new formats for PTs on GMOs in order to overcome the difficulties in their organisation	2023	
F. SPECIAL PROJECTS			
	project title / subject	proposed finalisation	collaboration
	collaborating committees		
1	Standardization of terms used in GMO testing	2023	Accred. Dept.

MOI – Moisture Committee

COMMITTEE MEMBERSHIP LIST		
	Country	Active since
1 CHAIR: Axel Goeritz	Germany	2015
2 VICE-Chair: Tanja Petrovic	Serbia	2019
3 Gerarda de Boer-Raatgever	Netherlands	2007
4 Sergio Pasquini (as well MOI Liaison officer)	Italy	2007
5 Susan Alvarez	USA	2015
6 Baymolo Goma	Zambia	2015
7 Wen-Ju Yang	S.C.T of Taiwan, Penghu, Kinmen and Matsu	2015
8 Celine Herbert	France	2016
9 Fiona Hay	Denmark	2020
10 Selma Kurt	Turkey	2019
11 Ramesh D M	India	2020
12 Brady Carter	USA	2021
13 Daniela Villa	Italy	2022
14 Chandreshekara Bhat	India	2022
15		
ECOM liaison officer: Sergio Pasquini	Italy	
A. RULES DEVELOPMENT		
<u>A1. Introduction of New Methods</u>		
Method name subject	proposed finalisation	collaboration
1 Use of equilibrium Relative Humidity (eRH) as an alternative method for the determination of seed moisture status	2023	
<u>A2. Introduction of New Species</u>		
Species and test	proposed finalisation	collaboration
1 Moringa oleifera oven method	2023	
<u>A3. Introduction of Rules Changes</u>		
Subject	proposed finalisation	collaboration
1 Helianthus annuus change to 130°-oven method	2023	
<u>B1. Publications to accompany the Rules</u>		
Publication title	proposed finalisation	collaboration
1 Moisture calculator on the ISTA homepage: inclusion of routine testing and as well maintenance and calibration of devices	2023	
2 Review and update Handbook on Moisture Determination	2023	
C. WORKSHOPS AND SEMINARS		
<u>C1. Training and education workshops</u>		
workshop subject location	proposed finalisation	collaboration
1 Workshop in Verona – Sergio and Fiona: eRH; 3 species: shrub Moringa,	2023	TEZ (Steffi)
2 Workshop in Turkey	2024	
3 Workshop in Christchurch	2025	

NOM – Nomenclature Committee

COMMITTEE MEMBERSHIP LIST			
		Country	Active since
1	CHAIR: Melanie Schori	USA	
2	VICE-CHAIR: Ernest Allen	USA	
3	Susan Alvarez	USA	
4	Bernard Baum	Canada	
5	Michel Chauvet	France	
6	Axel Diederichsen	Canada	
7	Marco Hoffman	Netherlands	
8	John H. Wiersema	USA	
9			
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14			
15			
	ECOM liaison officer: Ernest Allen	USA	
B. PUBLICATIONS			
<u>B1. Publications to accompany the Rules</u>			
	Publication title	proposed finalisation	collaboration
1	ISTA List of Stabilised Plant Names, 8th edition	2025	

PUR – Purity Committee

COMMITTEE MEMBERSHIP LIST			
		Country	Active since
1	CHAIR: Ruoqing Wang	Canada	2009
2	VICE CHAIR: Andrea Jonitz	Germany	2010
3	Augusto Martinelli	Argentina	2007
4	Aurelie Charrier	France	2018
5	Axel Goeritz	Germany	2017
6	Deborah Meyer	USA	1995
7	Dot Vittrup Pedersen	Denmark	2013
8	Kepha Oganda	Kenya	2010
9	Maria Duter	New Zealand	2011
10	Selma Kurt	Turkey	2016
11	Sue Cousins	New-Zealand	2017
12	Erik van Egmond	Netherland	2019
13	Sumaia Mahmuda	Bangladesh	2020
14			
15			
	ECOM liaison officer: Craig R. McGill	New Zealand	
A. RULES DEVELOPMENT			
<u>A1. Introduction of New Methods</u>			
	Method name subject	proposed finalisation	collaboration
1	Chapter 14 x-ray	2022	ATC, FTS
2	Chapter 11 Testing Coated Seeds	2023	MOI, GER,
<u>A2. Introduction of New Species</u>			
	Species and test	proposed finalisation	collaboration
1	A guide for adding new species	2023	GRE, BSC
2	Working weight proposal data completed, PSD submission requirement	2023	GER, BSC, STA
3	<ul style="list-style-type: none"> • <i>Diploaxis</i> spp. • <i>Papaver somniferum</i> 		GER
4	Tropical species <ul style="list-style-type: none"> • <i>Basella</i> spp. • <i>Moringa oleifera</i> • <i>Khaya grandifoliola</i> • <i>Guizotia</i> 	TBD	GER GER TSC GER
<u>A3. Introduction of Rules Changes</u>			
	Subject	proposed finalisation	collaboration
1	Clarification and revision based on demands for Chapters 2, 3, 4, 10, 11, 14, 16, and 18	TBD	RUL, BSC STA
2	Revision of Chapter 11, Look at new ways to do the verification of species, on how to remove coating	2024	RUL, TEZ
3	Revision of Chapter 14 possible to use other machines to do this test	2024	FTS, ATC
B. PUBLICATIONS			

<u>B1. Publications to accompany the Rules</u>		
Publication title	proposed finalisation	collaboration
1 PSD handbook, revision	2025	GER
<u>B2. Training publications on specific seed testing topics</u>		
Publication title	proposed finalisation	collaboration
1 Standardise and update Purity (Purity analysis and PSD) training presentation and handouts	2024	
2 Standardise and update Seed ID training presentation and handouts	2024	
3 Inventory of seed ID references	2023	
4 FAQ of PUR-requests on ISTA Homepage	2023	
<u>B3. Scientific information publications</u>		
Publication title	proposed finalisation	collaboration
1 ISTA Project 19-1	2022	
2 ISTA Project 20-2	2025	
C. WORKSHOPS AND SEMINARS		
<u>C1. Training and education workshops</u>		
workshop subject location	proposed finalisation	collaboration
1 Virtual Webinar (once a year)	2023-2025	
2 Canada	2023	GER, ATC
3 Uruguay	2023	
4 Turkey	2024	MOI
5 New Zealand	2025	BSC, MOI
<u>C2. Seminars</u>		
Seminar subject location	proposed finalisation	collaboration
1 New technology application in Purity and OSD	2023	ATC
D. Proficiency Tests		
Proficiency Test Subject	proposed finalisation	collaboration
1 Seed Mixture Round 12	2023	PTC,
2 Seed Mixture Round 13	2024	PTC,
3 Seed Mixture Round 14	2025	PTC,
F. SPECIAL PROJECTS		
project title / subject collaborating committees	proposed finalisation	collaboration
1 New technologies in purity testing (eg Image analysis) and how to validate them for doing purity analysis	2022	Project members
2 Publish FAQ on web-site for people/members to look into to learn from each other	2023	ISTA Secretariat
3 ISTA UL species	2025	Project members

SHC – Seed Health Committee

COMMITTEE MEMBERSHIP LIST			
			change comments
1	CHAIR: Valerie Grimault	France	Chair
	VICE-CHAIR:		Vice chair
2	Ilaria Alberti	Italy	
3	Rouke Bakker	New Zealand	
4	Mark Buimer	Netherlands	
5	Gary Munkvold	USA	
6	Rosa Piña González	Chile	Since June 2016
7	Dorota Szopinska	Poland	
8	Xiulan Xu	China	Since June 2017
9	Stephan Brière	Canada	Since June 2018
10	Isabelle Serandat	France	Since June 2019
11	Marian McEwan	United Kingdom	Since June 2019
12	Kohei Osaki	Japan	Since June 2019
13	Ruud Barnhoorn	Netherland	Since June 2019
14	Mahesh B	India	Since June 2021
15	Luciana Ferrand	Argentina	Since June 2022
	ECOM liaison officer: Craig R. McGill		New Zealand
A. RULES DEVELOPMENT			
A1. Introduction of New Methods			
			remarks
	Method name	proposed	collaboration
	subject	finalisation	update
			progress
1	<i>Fusarium graminearum</i> , <i>F. langsethiae</i> , <i>F. culmorum</i> , <i>F. poae</i> ... – Cereals new method	2013-2022	Nibio Norway Test plan accepted by ISTA, based on plating on media and morphological identification, collection of isolates performed, analytical specificity performed, analytical sensitivity under progress (obtaining seed samples)
2	<i>Fusarium oxysporum</i> on tomato – new method	2013-2022	Naktuinbouw, GEVES, Microlab Test plan accepted by ISTA, dilution plating, PCR for identification and pathogenicity test confirmation, analytical specificity, analytical sensitivity, selectivity and robustness performed. Organising CT under progress
3	<i>Ascochyta rabiei</i> chickpea	2013-2022	GEVES Part of a research project at GEVES. Test plan accepted by ISTA, based on plating on media, morphological identification and pathogenicity test, collection of isolates performed, analytical specificity and sensitivity performed, robustness under progress
4	<i>Tilletia</i> species/wheat	2018-2022	GEVES Test plan accepted by ISTA, comparison of existing methods performed, variables between methods compared, choice of method to validate under progress, analytical sensitivity under progress
5	<i>Pseudomonas syringae</i> pv. <i>glycinea</i>	2018-2023	USDA Project to compare existing methods in order to select one to validate, protocol chosen, isolate collection under progress. Test plan started.
7	<i>Botrytis cinerea</i> on hemp seeds	2019-2023	CREA, GEVES Test plan accepted by ISTA, analytical specificity performed, analytical sensitivity under progress
A3. Introduction of Rules Changes			

1	Extension of <i>U. nuda</i> method to <i>U. tritici</i> on wheat	2023-2026	CREA	
				<u>remarks</u>
	Subject	Proposed finalisation	collaboration	Update progress
1	PCR detection of <i>L. maculans</i>	2019-2023	Canadian Food Inspection Agency	Project phase
2	Five year Method reviews	2018-2019	Mark Buimer	Questionnaire 2019, 2020, 2021, 2022 grouped, circulated with Newsletter for comments
3	<i>Ascochyta</i> pea comparing NUV/dark	2016-2022		Infected seeds to be found
B2. Training publications on specific seed testing topics				
				<u>remarks</u>
	Publication title	proposed	collaboration	update
1	Seed Health Handbook	2013-2022	Terry Aveling SHC to take over	12 chapters reviewed sent for publication
C. WORKSHOPS AND SEMINARS				
C1. Training and education workshops				
				<u>remarks</u>
	Workshop subject	proposed	collaboration	update
	location	finalisation		progress
C2. Seminars				
				<u>remarks</u>
	Seminar subject	proposed	collaboration	update
	location	finalisation		progress
	qPCR <i>Leptosphaeria maculans</i> + SH symposium	2023	Canadian Food Inspection Agency	Seed Health seminar and workshop, 2023 Ottawa, Canada
D. PROFICIENCY TESTS				
	Proficiency test subject	proposed	collaboration	update
	location	finalisation		progress
1	7-029, <i>Pseudomonas syringae</i> pv. <i>pisi</i>	2021-2022	Naktuinbouw	Preparation under progress, announcement send
2	7-022, <i>Microdochium nivale</i>	2019-2022	SASA	Under progress, samples sent
3	7-014, <i>Parastagonospora nodorum</i>	2022-2025	CREA	Planned 2023
4	7-016 <i>Phomopsis</i> complex	2022-2025	GEVES	Planned 2022
5	7-006 <i>Colletotrichum lindemuthianum</i>	2022-2025	NARO	Planned 2023
6	7-10, 11, 12 rice fungi	2022-2025	CREA	Planned 2024
7	7-020 <i>Xanthomonas hortorum</i> pv. <i>carotae</i>	2022-2025	NARO	Planned 2023
8	7-024 Pea viruses	2022-2025	Naktuinbouw	Planned 2024
9	7-030 <i>Acidovorax valerianellae</i>	2022-2025	GEVES	Planned 2023

F. SPECIAL PROJECTS			
Project title / subject			remarks
collaborating committees	proposed	collaboration	update
	finalisation		progress
ISTA Reference Pest List:	2018-2022	GEVES	11 crops published, New project on 34 crops under progress. Paper for EPPO bulletin accepted
Statistical tool	2019-2022	Statcom	Set up a tool on the model of the germination tool
Insect detection/identification project	2021-2022	ATC, ANSES-LSV	Review of existing methods and evaluation of these methods on selected insect/crop models to detection and identification of insects on and in seeds. Project started January 2021, literature review done, questionnaire done, species/insect of interest chosen, method to evaluate chosen, obtention of healthy and infected samples and sampling under progress.
Fusarium cereals barcoding	2022-2024	GEVES	Project accepted for funding by ISTA
Image collection	2022-2025	SGS	project
Production of infected seeds	2022-2025	subcontracting	Accepted for funding up to 2000CHF/year
<div style="display: flex; align-items: flex-start; padding-left: 5px;"> <div style="width: 15px; height: 15px; background-color: yellow; margin-right: 5px;"></div> New project <div style="width: 15px; height: 15px; background-color: #f4a460; margin-right: 5px;"></div> New proposed finalisation date </div>			

SSAG – Seed Science Advisory Group

Membership:

Brigitte Hamman (Chair)	South Africa
Alison Powell (Vice-Chair)	United Kingdom
Birte Boelt	Denmark
Francoise Corbineau	France
Malavika Dadlani	India
Joel Lechappe	France
Tim Loeffler	USA
Stan Matthews	United Kingdom
Manuela Nagel*	Germany
Alan Taylor	USA
Jane Thomas	United Kingdom
Adel Zayed	USA
ECOM liaison officer: Craig R. McGill	New Zealand

The working programme is presented below in relation to the Terms of Reference (TOR) of the SSAG:

TOR 1:

The members of the SSAG will continue to monitor a wide range of scientific journals for research that has potential for application in seed testing. Where appropriate, the SSAG will identify appropriate ISTA laboratories to encourage their collaboration with the seed scientists and help develop the plans for a work programme to examine the potential for test development.

The group will interact with companies or organisations that have developed new approaches to seed testing and wish to consider the potential of their new developments for ISTA validation. This will be conducted in collaboration with the appropriate TCOMs:

1. We will continue our interaction with the company SeedAlive and the Germination and Vigour Committees, regarding the company's interest in validating a biochemical /colorimetric approach to testing seed germination and vigour. SeedAlive had provided further evidence in support of their approach, having stated that they were interested in validation of their method. The members of the SSAG have evaluated this additional evidence and provided a detailed response to the Seedalive. The way forward will be determined by the response of SeedAlive to this report.
2. We will continue to gather and evaluate information with regard to the claims of SeedX, as they relate specifically to the evaluation of seed quality (normal seedlings and seed vigour).

Any proposals for action will be presented to and discussed with the ECOM.

TOR 2:

The SSAG will continue to evaluate the efficacy of new approaches to, or equipment for, seed testing that has been made available commercially. These may be approaches, techniques or equipment identified by members of the SSAG, or as a result of queries from ISTA members regarding new equipment that claims to be useful for seed testing. The techniques, approaches or equipment will be evaluated in terms of the specific claims made by providers of same, only.

TOR 3:

More so than TOR 1&2, this is very much a request-driven TOR, and as such the SSAG will continue to respond to requests from the ECOM and TCOM Chairs for advice related to scientific issues related to general seed science or more specifically, seed testing.

Due to the nature of the TOR of the SSAG, activities of the Group are driven largely (but of course not only) by what is brought to the Group for their attention. It is therefore difficult to envisage what the work programme covering the next 3-year period will look like.

STA – Statistic Committee

COMMITTEE MEMBERSHIP LIST		
	Country	Active since
1 Chair: Kirk Remund	USA	
2 Vice-Chair: Jean-Louis Laffont	France	
3 Gabriel Carré	France	
4 Mustapha El Yakhlifi	France	
5 Zhou Fang	USA	
6 Bonnie Hong	USA	
7 Bo-Jein Kuo	Separate Custom Territory of Taiwan, Penghu, Kinmen and Matsu	
8 Thomas Michelin	Brazil	
9 Ray Shillito	USA	
ECOM liaison officer: Vanessa Sosa	Uruguay	
A. RULES DEVELOPMENT		
<u>A1. Introduction of New Methods</u>		
Method name	proposed	collaboration
subject	finalisation	
1 Statistical reviews of Test Plans and Validation Reports	On-going	Any TCOM
2 Contribution to the analysis of some Validation Studies	On-going	Any TCOM
<u>A2. Introduction of New Species</u>		
Species and test	proposed	collaboration
	finalisation	
1 Statistical reviews of Test Plans and Validation Reports	On-going	Any TCOM
2 Contribution to the analysis of some Validation Studies	On-going	Any TCOM
<u>A3. Introduction of Rules Changes</u>		
Subject	proposed	collaboration
	finalisation	
1 Contribution to the writing of the GMO Testing Handbook		2023 GMOC
2 Working weights for adding new species to ISTA Rules		2023 PURC
3 Revising part of Chapter 10 (CV computation for method 2)		2023 PURC
C. WORKSHOPS AND SEMINARS		
<u>C1. Training and education workshops</u>		
workshop subject	proposed	collaboration
location	finalisation	
1 Upon request, workshops on GMO Testing and on statistical methods supporting ISTA Rules		Any TCOM
2 Special STA committee Best Practices workshop for STA committee members and others focusing on Young@ISTA initiative	2023	
F. SPECIAL PROJECTS		

project title / subject collaborating committees	proposed finalisation	collaboration
1 Maintain R Shiny package ISTAgermMV	On-going	GERC
2 Contributions to the work of the Vegetables Seed Industry Working group (VSI WG)	On-going	BSC

STO – Storage Committee

COMMITTEE MEMBERSHIP LIST		
	Country	Active since
1 CHAIR: Jayanthi Nadarajan	New Zealand	2019
2 VICE-CHAIR: Steven Groot	Netherlands	2016
3 Cathy Offord	Australia	*
4 Joseph Asomaning	Ghana	2013
5 Andreas Börner	Germany	2010
6 Sershen Naidoo	South Africa	2011
7 Christina Walters	USA	*
8 Xiang-Yun Yang	China	2011
9 Moctar Sacandé	Italy	2001
10 G V Jagadish	India	2019
11 Nelson Barbosa Machado-Neto	Brazil	2022
12 Umarani Sinniah	Malaysia	2022
13 Louise Colville	United Kingdom	2022
14 Elisa Monteze Bicalho	Brazil	2022
15 Irfan Afzal	Pakistan	2022
ECOM liaison officer: Keshavulu Kunusoth	India	
A. DEVELOPMENT OF NEW SCIENTIFIC KNOWLEDGE AND TECHNOLOGY		Proposed finalisation
A1. Development of new scientific knowledge on optimum storage of recalcitrant seeds		2025
A2. Development of effective storage methods for short-lived intermediate, oily, primed seeds and exceptional species		2025
B. PUBLICATIONS		
<u>B1. Publications of the seed storage handbook</u>		
	proposed finalisation	collaboration
Handbook on Seed Storage	2024	
<u>B2. Scientific information publications</u>		
	proposed finalisation	collaboration
Target 60 scientific publications (20 per annum) (book chapters and journal articles, including in SS&T) on seed storage.	2025	
C. SEMINARS/CONFERENCES		
Seminar subject	proposed finalisation	collaboration
location		
1 Regional Seed storage symposium in Brazil	2025	
2 Scientific Seed Symposium: “Physical, Biochemical and Molecular Methods for Determining Seed Quality”, Nossen, Germany	2023	
3 Kunming Institute of Botany and Chinese Academy of Sciences) are planning to organise a national workshop (China) on seed science and technology in 2023 which will include ISTA Seed Storage Committee’s contribution	2023	

D. WORKSHOPS		
	proposed finalisation	collaboration
1. A workshop on seed storage in Brazil in conjunction with the seed storage symposium	2025	
2. Regional Seed Storage Workshop in Pakistan	2023	
E. SPECIAL PROJECTS		
project title / subject	proposed finalisation	collaboration
collaborating committees		
1 Use of equilibrium relative humidity measurements for determining the moisture status of stored seeds	2023	ISTA Seed Moisture TCOM
2 Storage optimization of primed seeds (Proposed by Sershen and Elisa)	2025	
3 Development of effective storage methods for short-lived primed seeds in certain vegetable crops (proposed by Jagadish and Steven)	2025	

TEZ – Tetrazolium Committee

COMMITTEE MEMBERSHIP LIST		
	Country	Active since
1 CHAIR: Sergio Pasquini	Italy	2005
2 VICE-CHAIR: Stefanie Krämer	Germany	
3 Ignacio Aranciaga	Argentina	2020
4 Maria Belèn Aranguren	Argentina	2001
5 Alessandra Arioli	Italy	
6 Sunitha BH	India	
7 Valerie Blouin	France	2006
8 Edith Daboue	Burkina Faso	2022
9 Gary Duffy	Ireland	Retired Oct. 22
10 José d. Barros Franca-Neta	Brazil	1998
11 Veena M. Gouda	India	2022
12 Augusto Martinelli	Argentina	1992
13 Shaminder Miranpuri	Wisconsin	2019
14 Tauhid Parvez	Canada	
15 Asia Roberts-Yalland	United Kingdom	2022
ECOM liaison officer: Sergio Pasquini	Italy	
A. RULES DEVELOPMENT		
<u>A1. Introduction of New Methods</u>		
Method name subject	proposed finalisation	collaboration
1 Introduction of <i>Ulmus</i> spp. in Chapter 6 of the Rules	2023	
2 Introduction of <i>Glycine max</i> L. in Chapter 6	2024	
<u>A2. Introduction of New Species</u>		
Species and test	proposed finalisation	collaboration
1 <i>Moringa oleifera</i>	2024	
B. PUBLICATIONS		
<u>B1. Publications to accompany the Rules</u>		
Publication title	proposed finalisation	collaboration
1 Handbook on Tetrazolium test (2 nd revision)	2024	
<u>B2. Training publications on specific seed testing topics</u>		
Publication title	proposed finalisation	collaboration
1 Video on TEZ test made by experts in their labs	2024	
C. WORKSHOPS AND SEMINARS		
<u>C1. Training and education workshops</u>		
workshop subject location	proposed finalisation	collaboration
1 ISTA Workshop on Tetrazolium testing and Equilibrium relative humidity (ERH) determination for wild species (Peri, Verona-Italy)	2023	MOI
D. Proficiency Tests		
Proficiency Test Subject	proposed finalisation	collaboration

1 PT on Ulmus spp.	2025	PTC
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VAR – Variety Committee

COMMITTEE MEMBERSHIP LIST		
	Country	Active since
1 CHAIR: Ana Laura Vicario	Argentina	2007
2 VICE-CHAIR: Marie-Claude Gagnon	Canada	2020
3 Chiara Delogu	Italy	2007
4 Anne Bernole	France	2015
5 Kae-Kang Hwu	S.C.T of Taiwan, Penghu, Kinmen and Matsu	2007
6 Kunusoth Keshavulu	India	2007
7 Ksenija Taski-Ajdukovic	Serbia	2007
8 Hedwich Teunissen	Netherlands	2007
9 Ksenia Markovic	Serbia	2007
10 Mariana Menoni	Uruguay	2021
11 Berta Killermann	Germany	2007
12 Ana Patricia Fernández Getino	Spain	2021
13 Sean Walkowiak	Canada	2022
14		
15		
ECOM liaison officer: Keshavulu Kunusoth	India	
A. RULES DEVELOPMENT		
<u>A1. Introduction of New Methods</u>		
Method name	proposed	collaboration
subject	finalisation	
1 SSR on lettuce, oilseed rape and sunflower	2025	STA
2 SNP on barley, oilseed rape and soybean	2025	STA
3 Neural network markers (optical markers) on wheat and barley	2025	ATC, SEC
<u>A2. Introduction of New Species</u>		
Species and test	proposed	collaboration
	finalisation	
1 DNA-based test (lettuce, oil seed rape, sunflower and soybean)	2025	STA
<u>A3. Introduction of Rules Changes</u>		
Subject	proposed	collaboration
	finalisation	
1 SNP and SSR markers for several crops	2025	
2 Revision of chapter 8 for the introduction of statistical considerations.	2024	STA, SEC
3 Neural network markers (optical markers) on wheat and barley	2025	ATC, SEC
<u>B2. Training publications on specific seed testing topics</u>		
Publication title	proposed	collaboration
	finalisation	
1 DNA handbook	2024	
C. WORKSHOPS AND SEMINARS		
<u>C1. Training and education workshops</u>		
workshop subject	proposed	collaboration
location	finalisation	
1 Training on how to use new statistical tools on chapter 8	2024	STA, SEC

2 India - Species and Variety testing - DNA based methods, electrophoresis, statistics, conventional methods	2024	
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D. Proficiency Tests		
Proficiency Test Subject	proposed finalisation	collaboration
1 PT on DNA-based test for wheat - When requested		SEC
2 PT for DNA-based test: discussion with SEC for setting up a procedure	2023	SEC
F. SPECIAL PROJECTS		
project title / subject collaborating committees	proposed finalisation	collaboration
1 Lolium project: validation of new markers for determination of annual types in perennial varieties.	2023	USDA, Oregon University, SEC
2 Neural network markers (optical markers) on wheat and barley	2024	ATC, SEC

VIG – Seed Vigour Committee

COMMITTEE MEMBERSHIP LIST		
	Country	Active since
1 CHAIR: Alison Powell	United Kingdom	1995
2 VICE-CHAIR: Hulya Ilbi	Turkey	2007
3 I-Cheng Chen	S.C.T of Taiwan, Penghu, Kinmen and Matsu	2019
4 Ibrahim Demir	Turkey	2010
5 Carina Gallo	Argentina	2010
6 Simon Goertz	Germany	2014
7 G.V. Jagadish	India	2015
8 Mohammad Khajeh Hosseini	Iran	2004
9 Tim Loeffler	USA	2007
10 Stan Matthews	United Kingdom	2004
11 Carey Matthiessen	Canada	2013
12 Gillian Musgrove	United Kingdom	2004
13 Takashi Shinohara	Japan	2016
14 Marie-Hélène Wagner	France	2004
15 Yan Rong Wang	China	1992
ECOM liaison officer: Sylvie Ducournau	France	
A. RULES DEVELOPMENT		
<u>A1. Introduction of New Methods</u>		
Method name subject	proposed finalisation	collaboration
1 Tetrazolium staining as vigour test for <i>Zea mays</i>	2025	
2 Cold test for <i>Zea mays</i>	2025	
<u>A2. Introduction of New Species</u>		
Species and test	proposed finalisation	collaboration
<i>Allium cepa</i> L.: RE test	2023	
2 <i>Glycine max</i> (L.): Merr:RE test	2023	
3 <i>Daucus carota</i> L: RE test	2025	
4 <i>Hordeum vulgare</i> : RE test	2024	
5 <i>Lycopersicon esculentum</i> Mill.: CD test	2025	
6 Vegetable Brassica species: Electrical conductivity test	2025	
<u>A3. Introduction of Rules Changes</u>		
Subject	proposed finalisation	collaboration
1 <i>Allium cepa</i> L: RE test	2023	
2 <i>Glycine max</i> (L.) Merr: RE test	2023	
3 Brassica spp: RE test	2023	
B. PUBLICATIONS		

B1. Publications to accompany the Rules		
Publication title	proposed finalisation	collaboration
1 Revised Vigour Test handbook	2025	STA
B3. Scientific information publications		
Publication title	proposed finalisation	collaboration
1 RE test predicts normal germination and vigour of four vegetable brassica species	2023	
D. Proficiency Tests		
Proficiency Test Subject	proposed finalisation	collaboration
1 PT23-2 <i>Raphanus sativus</i> (Electroconductivity)	2023	PTC
2 PT 24-1 <i>Triticum aestivum</i> subsp. <i>aestivum</i> (Radicle Emergence)	2024	PTC
F. SPECIAL PROJECTS		
project title / subject collaborating committees	proposed finalisation	collaboration
1 Multispectral imaging and RE for grass species and carrot	2025	ATC
2 Flow cytometry and wheat seed vigour	2025	

WSWG – Wild Species Working Group

COMMITTEE MEMBERSHIP LIST			
		Country	Active since
1	CHAIR: Gil Waibel	USA	
2	VICE-CHAIR: Ruoqing Wang	Canada	
3	Riad Z. Baalbaki	USA	
4	Laura Bowden	United Kingdom	
5	Ted Chapman	USA	
6	Rachael Davies	United Kingdom	
7	Stefanie Krämer	Germany	
8	Heidi Larson	USA	
9	Sergio Pasquini	Italy	
10	Victor Vankus	USA	
11	Fabricia Cristina dos Reis	Brazil	
12			
13			
14			
15			
	ECOM liaison officer: Sergio Pasquini	Italy	

We are working on the normal and abnormal seedling descriptions and findings suitable images of normal and abnormal seedlings. We are starting with 10 plant families.

Our efforts will be limited to the number species on the priority list we created several years ago.

The species that we already have seed images will be our first focus. In addition, nomenclature, common names and purity weights will be added as well.

Once we have data representative of each of the ten plant families, we will go to the programmers to develop an efficient way to enter all of the relevant data for each species.

The purity, tetrazolium, seed moisture and x-ray chapters also need to be completed.

EB-SST – Editorial Board of Seed Science and Technology

COMMITTEE MEMBERSHIP LIST		
	Country	Active since
1 CHAIR: Fiona R. Hay	Denmark	
2 VICE-CHAIR: Alison A. Powell	United Kingdom	
3 Irfan Afzal	Pakistan	
4 Christophe Bailly	France	
5 Laura Bowden	United Kingdom	
6 Ibrahim Demir	Turkey	
7 Fabio Gresta	Italy	
8 Valerie Grimault	France	
9 Steven P.C. Groot	Netherlands	
10 Brigitte Hamman	South Africa	
11 Julio Marcos-Filho	Brazil	
12 Andrea Mondoni	Italy	
13 Shyam S. Phartyal	India	
14 Sergey Rosbakh	Germany	
15 Moctar Sacande	Italy	
16 Uma Rani Sinniah	Malaysia	
17 Michael Sussman	USA	
18 Alan Taylor	USA	
19 Christopher Wood	United Kingdom	
ECOM liaison officer: Ernest Allen	USA	

The task of the editorial board is to edit the ISTA scientific journal "Seed Science and Technology". Seed Science and Technology (SST) is one of the leading international journals featuring original papers and review articles in all areas of seed quality and physiology as related to seed production, harvest, processing, sampling, storage, genetic conservation, habitat regeneration, distribution and testing.

RUL – Rules Committee

COMMITTEE MEMBERSHIP LIST			
		Country	Active since
1	CHAIR: Ernest Allen	USA	
2	VICE-CHAIR: Susan Alvarez	USA	
3	Sarah Dammen	USA	
4	Didier Demilly	France	
5	Axel Goeritz	Germany	
6	Valerie Grimault	France	
7	Corinne Guimier	France	
8	Brigitte Hamman	South Africa	
9	Fiona R. Hay	Denmark	
10	Gillian Musgrove	United Kingdom	
11	Jayanthi Nadarajan	New Zealand	
12	Enrico Noli	Italy	
13	Sergio Pasquini	Italy	
14	Alison A. Powell	United Kingdom	
15	Kirk Remund	USA	
16	Melanie Schori	USA	
17	Ana Laura Vicario	Argentina	
18	Elisa Vieira	Brazil	
19	Gil Waibel	USA	
20	Ruojing Wang	Canada	
21	Bert van Duijn	Netherlands	
22	Randy Crowl (Ex officio)	USA	
23	Desirae Jones (Ex officio)	USA	
24	Attilio Lovato (Ex officio)	Italy	
25	Florina Palada (Ex officio)	Switzerland	
	ECOM liaison officer: Ignacio Aranciaga	Argentina	

The Rules Committee is made up of the Chairs of the Technical Committees (TCOMs), Chair of the SST Editorial Board, Honorary President and Chair of the AOSA Rules Committee. The main responsibility of the Rules Committee is to update and maintain the ISTA Rules.

One of the main tasks is to work with the Publications Unit and the TCOM Manager of ISTA to produce the annual Rules proposal document which collates any editorial changes with rules proposals from the Technical Committees. The Committee also decides whether the proposals are technically sound and discusses any issues, especially when proposals affect more than one Technical Committee. The Committee votes on the proposals and makes a recommendation to the Executive Committee for submission of the proposal document for voting by the voting members at the annual meeting.

The Chair of the Rules Committee presents the Rules proposals in a virtual open webinar open to everyone and then during the annual voting meetings to the ISTA Membership for voting by designated voting members.

PTC – Proficiency Test Committee

COMMITTEE MEMBERSHIP LIST			
		Country	Active since
1	CHAIR: Didier Demilly	France	2003
2	VICE-CHAIR: Sharon Davidson	USA	2003
3	Suzanne Andersen	Denmark	2019
4	Christian Boehm	Denmark	2017
5	Sarah Dammen	USA	2017
6	Leanne Duncan	Canada	2021
7	Irena Gera	Poland	2019
8	Monika Holubicová	Slovakia	2019
9	Gillian Musgrove	United Kingdom	2011
10	Sergio Pasquini	Italy	2014
11	Elena Perri	Italy	2022
12	Zita Ripka	Hungary	2008
13	Branislava Opra (Observer)	Switzerland	
14			
15			
	ECOM liaison officer: Sylvie Ducournau	France	

The PT Committee defines the PT Programme Plan. It consists of PT Leaders, i.e. individuals from ISTA accredited laboratories who volunteer to procure seed material and prepare samples. The committee also provides advice to other TCOMs. With the standard PT coordinator from ISTA Secretariat, the PT Committee coordinates and administers all standard PT activities (exception is the GMO, Seed Health and Variety PT activity).

ISTA Proficiency Test Programme Plan 2022-2025

Round	Species	Test round scope	Crop group	Crop group	PT Leader
PT23-1	<i>Vicia sativa</i>	PUR, OSD, GER	4	Pulses	Monica Holubicova
PT23-2	<i>Raphanus sativus</i>	PUR, OSD, GER, MOI, VIG (conductivity test), OIC	5 (and 6)	Other agricultural crops and vegetable	Gillian Musgrove
PT23-3	<i>Trifolium hybridum</i>	PUR, OSD, GER, TSW	3	Small legumes	Susanne Anderson
PT24-1	<i>Triticum aestivum</i> subsp. <i>aestivum</i>	PUR, OSD, GER, MOI, TZ, VIG (radicle emergence), TSW, OIC	2	Cereals	Sarah Dammen
PT24-2	<i>Alcea rosea</i>	GER	8	Flowers	Irena Gera
PT24-2	<i>Arachis hypogaea</i>	GER	4	Pulses	To be confirmed
PT24-3	<i>Bromus inermis</i>	PUR, OSD, GER, TZ	1	Grasses	To be confirmed
PT24-3	<i>Coriandrum sativum</i>	GER	6	Vegetables	Sharon Davidson
PT25-1	<i>Beta vulgaris</i> * (pelleted seeds)	GER, OIC	5	Other agricultural crops	To be confirmed
PT25-1	<i>Lactuca sativa</i>	PUR, OSD, GER	6	Vegetables	Leanne Duncan
PT25-2	<i>Oryza sativa</i>	PUR, OSD, GER, TZ, TSW OIC	2	Cereals	Elena Perri
PT25-3	<i>Pinus sylvestris</i>	GER, MOI, TZ	7	Forest	Sergio Pasquini
PT25-3	<i>Chenopodium quinoa</i>	GER	5 (and 6)	Other agricultural crops and vegetables	Didier Demilly

* round on *Beta vulgaris* is to be confirmed

Legend:

PUR_OSD = Purity including Other Seed Determination
GER = Germination
MOI = Moisture
TZ = Tetrazolium test
TSW = Thousand seed weight
VIG = Vigour test
OIC = reporting on an ISTA Orange International Seed Lot Certificate

Samples distribution time:

Rounds per year	1st round of each year	2nd round of each year	3rd round of each year
Expected shipment to participants	1 April	1 August	1 December
Results reporting deadline	1 July	1 November	1 March