



International Association for
Cereal Science and Technology

Activity Report

2017



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Foreword



Dear Members, Dear Colleagues, Dear Friends:

I would like to thank you all for your help, support, and collaboration during 2017 reaching out to our members and realising the Association's aims. Our objectives to further develop an association that is represented globally as well as to bring more services to its members have been pursued during the last year. New members (corporates and individuals) have joined our organisation: GlycoSpot from Denmark, Barilla and Pavan S.p.A. from Italy, and from Turkey Alapala Group, Genc Degirmen Milling, and Ozmen Group.

ICC also newly offers student membership which is open for any student wishing to promote and contribute to the aims and activities of the Association.

As a global organisation responsible for all aspects of cereal foods, ICC shall increase commitment of its unique expertise in response to the challenges in the cereals' world and the world demand for a safe, sustainable, sufficient, nutritious and thus high-quality cereal food supply.

Developing internationally accepted standard methods for grains and grain-based products is also still one of the primary objectives of the ICC and optimisation of the standardisation process was one of the goals reached this year. Eng. Amine Jbeily continues his valuable work as Technical Director together with Dr. Meinolf Lindhauer as Technical Co-Director. We highly appreciate Eng. Jbeily's contribution to leading ICC standardisation together with the Members of the ICC Technical Committee.

All this work would not have been possible without the help of the whole ICC team at the Vienna-based Headquarters and the experienced advice of the Governing Committee members. It was a pleasure working with all of them forming a friendly and efficient team. Herewith I take the opportunity to thank Michaela Pichler who as ICC Secretary General plays an essential role in implementing the strategic plans and is the pivot point between the ICC Members, Officials, Committees and Headquarters. Her outstanding engagement pushed the Association even more forward this year!

In my second year as ICC President, I look forward to continued collaboration with our members around the world. Not only do we rely on the active contributions from our National Delegates and Deputy National Delegates but also on our Corporate and Institutional Members for their valuable insights from the cereal industry.

I would also like to thank Dr. Charles Brennan (Lincoln University, New Zealand) for his candidature as ICC President Elect after Dr. Stefan Wagener's (Canadian Grain Commission, Canada) resignation and Dr. Fengcheng Wang (Henan University, China) for his ongoing involvement as ICC Immediate Past President. With this mutual collaboration, ICC is in the position to provide continuous comprehensive leadership which contributes to the stability of ICC as the international cereals association that it always has been.

Hamit Köksel

ICC President 2017-2018

■ ICC – A trusted International Association since 1955

First called the International Association for Cereal Chemistry (**ICC**), it was founded in 1955 on the occasion of the Third International Bread Congress in Hamburg, Germany. Its original objective was the development of internationally approved and accepted standard testing procedures for cereals and flour. Today the ICC remains committed to the development of standard testing procedures and is foremost in the international organisations working in the cereals field dedicated to international co-operation and to the dissemination of up-to-date scientific and technical knowledge.

The continuing international trade of grains and the emergence of new growers and producers still require internationally acceptable standard methods for evaluating grains in terms of their physical, chemical and nutritional properties, as well as their safety (e.g. absence of contaminants and toxicants).

With its strong membership base, the ICC provides unique opportunities for cereal scientists and technologists around the world, whether in industry, research or academia, to collaborate in developing new knowledge on cereal grains, their products, and the methods used in their evaluation.

A key means by which ICC's objectives are achieved, has been and continues to be through the promotion of conferences, symposia, workshops and working parties, all of which bring the international family that is ICC closer together.

Today, many branches of science require even greater international collaboration than before, and ICC actively pursues the development of links with cereal and food associations at country, regional and international levels from its Secretariat based in Vienna.

■ ICC Mission Statement

The ICC mission statement reads: ICC is the pre-eminent international association in the field of cereal science and technology, committed to international cooperation by disseminating knowledge, conducting research and developing standard methods that contribute to advance innovation, improve food quality, food safety and food security for the health and well-being of all people.

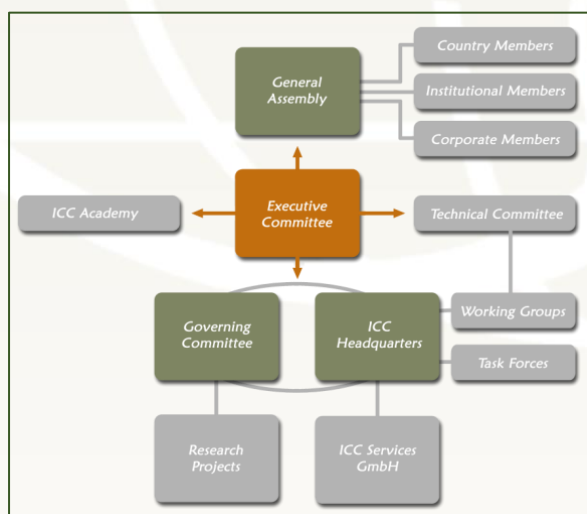
In order to achieve our mission:

- We offer membership to countries, corporations, institutions and individuals.
- We hold responsibility for international co-operation and provide a forum for dialogue and appreciation of new ideas to promote the utilisation of cereals.
- We are inspired by the ideals of advancement in cereal science and technology.
- We promote domestic and international trade by providing uniform and internationally approved and accepted testing procedures.

Our ultimate objectives are to:

- Involve all interested countries, institutions, organisations and individuals as members.
- Cooperate and exchange views with all institutions and organisations active in cereal science and related fields.
- Attract all the world's cereal scientists and technologists to cooperate with ICC.
- Establish and maintain contacts among cereal scientists and technologists, concerning scientific and technological studies with a view to taking up, promoting and coordinating research activities.
- Organise programmes of lectures and discussions.
- Publicise standards for test methods and similar documents in cereal science and technology and related fields.

ICC Structure and Governance



ICC is a membership-based organisation who has its headquarters and the General Secretariat located in Vienna, Austria. The composition and activities of the ICC are recorded in its **Statutes**.

As a fully democratic organization, the main body of the ICC is the **General Assembly** which is composed of all Member Country and Institutional Representatives as well as representatives of Corporate, Individual and Honorary Members and chaired by the President, President Elect or Past President.

This representative body physically meets every two years and has the following tasks: admission of new ICC members as well as termination of membership, appointment of the President Elect, elect the Auditors of the Association, approval of the statement of annual accounts, determination of membership fees and approval of relevant budget, adoption of (draft) standard methods and other documents, amendment of the Statutes.

The General Assembly elects also the members of the **Executive Committee** which is more closely involved with the practicalities of the Association and develops recommendations on ICC activities. The Executive Committee consists of up to twenty-four members which are usually elected for a six-year term. It appoints also the **Secretary General**, who is leading the ICC Headquarters, as well as the Technical Director and sets up Working Groups.

The activities of the association are managed and coordinated by the Association's Headquarters, which is located in Vienna, Austria and supported by the Governing Committee. The **Governing Committee** is comprised of the Past President (as Chair), the President, President Elect, Honorary Presidents and several invited persons. The Governing Committee advises the Executive Committee on financial, staffing and resourcing matters.

Two bodies of further importance for the governance structure of the ICC are the **Technical Committee**, which oversees the development and standardization of existing and new methods and the **ICC Academy**, which is composed of individuals whose contributions to cereal science and to the advancement of ICC objectives have been recognized by their peers. Particular functions of the Academy are to advise on the conferring of ICC awards to individuals who have made outstanding contributions to cereal science and to contribute with expertise to the development of new ICC activities. The relationship between the various formal bodies of the ICC and their reporting structures are illustrated in the figure above.

ICC Officials and Committees in 2017

President:

Dr. Hamit KÖKSEL, Turkey

President Elect:

Dr. Stefan Wagner, Canada

Dr. Charles Brennan, New Zealand

Past President:

Dr. Fengcheng WANG, China

**Technical Director:**

Eng. Amine JBEILY, Lebanon

Co-Technical Director:

Dr. Meinolf G. LINDHAUER, Germany

Secretary General:

MSc. Michaela PICHLER, Austria

**Honorary Presidents:**

Mr. Stanley CAUVAIN, UK

Prof. DDr. Ing. Rádomir LÁSZTITY, Hungary

Prof. Dr. Okkyung Kim CHUNG, USA

Mr. Bob CRACKNELL, Australia

Drs. Jan Willem VAN DER KAMP, The Netherlands

Prof. John TAYLOR, South Africa

Auditors:

Dr. Meinolf G. LINDHAUER, Germany

Di Alfred MAR, Austria

ICC - Executive Committee:

In 2017 the ICC Executive Committee comprises

- The President
- The President Elect
- The Past President
- The Technical Director
- The members elected by the General Assembly
 - Dr. Joel ABECASSIS, France
 - Dr. Dhan BHANDARI, United Kingdom
 - Dr. Charles BRENNAN, New Zealand
 - Dr. Martha CUNIBERTI, Argentina
 - Dr. Wenping DING, China
 - Dr. Floyd DOWELL, USA
 - Prof. Dr. Meinolf G. LINDHAUER, Germany
 - Dr. Ximena LOPEZ, Chile
 - Dr. Regine SCHOENLECHNER, Austria
 - Dr. Awad SOKRAB, Sudan
 - Dr. Bin XIAO FU, Canada
 - Drs. Jan Willem VAN DER KAMP, The Netherlands
 - Dr. Stefan WAGENER, Canada

- Institutional Member Representatives
Dr. Maria PAPAGEORGIOU, Greece
Dr. Rachel HSU, Chinese Taipei
- Corporate Member Representatives
Dr. Arnaud DUBAT, France
Dr. Markus LÖNS, Germany
- The Ex officio member
MSc. Michaela PICHLER, Austria

ICC - Governing Committee:

In 2017 the ICC Governing Committee comprises

- The President
- The President Elect
- The Immediate Past President
- The Honorary Presidents
- Invited persons
Eng. Amine JBEILY, Lebanon
Prof. Dr. Meinolf G. LINDHAUER, Germany
Dr. Floyd DOWELL, USA
Dr. Marina CARCEA, Italy
- The Ex officio member
MSc. Michaela PICHLER, Austria

ICC - Technical Committee:

The ICC Technical Committee comprises

- The Technical Director or in his absence the President Elect
- The Technical Co-Director
- The Chairs of the Working Groups
- The Technical Committee Members
Dr. Mustafa ABDELMONIM, Sudan
Dr. Paul ARMSTRONG, USA
Dr. Charles BRENNAN, New Zealand
Mr. Andreas DOSSENBACH, Switzerland
Dr. Floyd DOWELL, USA
Dr. Bin Xiao FU, Canada
Mrs. Alexandra HUESKEN, Germany
Dr. Rachel HSU, Chinese Taipei
DI Christian KUMMER, Austria
DI Alfred MAR, Austria
Mr. Barry McCLEARY, Ireland
Mrs. Leticia MIR, Argentina
Dr. Dubravka NOVOTNI, Croatia

Dr. Assoc. Prof. Maria PAPAGEORGIOU, Greece

Dr. Gabriela PÉREZ, Argentina

Dr. Johan J. PLIJTER, The Netherlands

Mrs. Marie-Francoise SAMSON, France

Dr. Elisabeth SCIURBA, Germany

Dr. Fengcheng WANG, China

Dr. Zeliha YILDIRIM, Turkey

- Technical Committee Advisors

Dr. Mark BASON, Australia

Mr. Zeki DEMIRTASOGLU, Turkey

Mr. Wenping DING, China

Ing. Arnaud DUBAT, France

Mr. Sergej GALL, Germany

Prof. Grazina JUODEIKIENE, Lithuania

Dr. Markus LACORN, Germany

Mr. Darren ROBEY, Denmark

Prof. Hui SUN, China

- The Ex officio member

MSc. Michaela PICHLER, Austria

ICC thanks all ICC Officials and Committee Members who served the Association in 2017!

ICC – Headquarters in 2017

Together with the ICC Committees the team at the ICC Headquarters in Vienna, Austria, supports the activities within ICC and are the primary contact point for all members and friends of ICC:

- MSc. Michaela PICHLER, ICC Secretary General
- Ms. Sabine GRATZER, Membership and Office Administration, QAS Editorial Management
- Ms. Sieglinde DICHTL, Office Management and Business Administration
- MSc. Marcella GROSS-VARGA, Communication and Event Management
- Dott.ssa Caroline PLACCHETTA, Project and Event Management

ICC Membership

ICC is a membership-based organisation with the following members in 2017:

24 Country Members, **40** Corporate / Institutional Members, numerous Individual Members and representatives in more than **86** countries



Main Membership **Benefits** are:

- Free online access to all ICC Standard methods for National Delegates and Deputy National Delegates
- Discounts for *ICC Members* for participation in ICC supported conferences
- Free subscription to the ICC scientific journal QAS - Quality Assurance and Safety of Crops & Foods
- Contribution to international standards and harmonization efforts
- Facilitated access to national and international research projects/studies
- Access to an international network of professionals
- Participation at the ICC Working Groups and Task Forces
- Hosting an international meeting tailored to local or regional needs in your country, (co-)organized by ICC



Country Membership

ICC Country Membership is open to all countries that aspire to the aims and objectives of ICC as outlined in its Statutes. In order to become a member, one or more public or private institutions or organisations in the country must be willing to play an active role and promote the activities of the Association. Such institutions are also called Country

Member Organisations. The annual membership fee varies according to the population of the Member Country, and is divided into three categories with the following amounts as follows:

- Category A with less than 10 million inhabitants: € 2,950.-
- Category B between 10 and 50 million inhabitants: € 4,950.-
- Category C with more than 50 million inhabitants: € 6,950.-

	Country	Member Organisation	Entry year	National Delegate	Deputy National Delegate(s)
1	AR (Argentina)	<u>National Institute of Agricultural Technology (INTA)</u>	1963	Dr. Chem. Eng. Martha Cuniberti	Dr. Maria José Martinez Chem.Eng, Leticia Mir
2	AT (Austria)	<u>Austrian Milling Association</u>	1958	DI Alfred Mar	DI Christian Kummer DI Peter Stallberger
3	AU (Australia)	<u>AEGIC</u>	1959	Dr. Larisa Cato	Dr. Michael Southan Dr. Hayfa Salman
4	BE (Belgium)	<u>Walloon Agricultural Research Center</u>	1958	Dr. Georges Sinnaeve	--
5	CA (Canada)	<u>Canadian Grain Commission</u>	1958	Dir. Stefan Wagener	Bin Xiao Fu
6	CH (Switzerland)	<u>ICC-Switzerland</u>	1960	Dr. Fabio Mascher	Cécile Brabant-Hyondelle
7	CL (Chile)	<u>Granotec Chile S.A.</u>	2010	Ing. Ximena López	Ing. Agr. Soledad Hidalgo Guerra
8	CN (China)	<u>Chinese Cereals and Oils Association (CCOA)</u>	1990	Ruiyuan Wang	Dr. Fengcheng Wang
9	DE (Germany)	<u>Bundesforschungsinstitut für Ernährung und Lebensmittel - Max Rubner Institut (MRI)</u>	1958	Prof. Dr. Norbert U. Haase	Prof. Dr. Meinolf G. Lindhauer Prof. Dr. Peter Köhler Dr. Gerd Huschek

	Country	Member Organisation	Entry year	National Delegate	Deputy National Delegate(s)
10	EE (Estonia)	<u>Estonian Control Center of Plant Production</u>	1992	Dr. Mart Nöges	--
11	FR (France)	<u>Institut National de la Recherche Agronomique Unité de Technologie des Céréales et des Agropolymères (INRA)</u>	1959	Dr. Monique Axelos	Dr. Marie-Christine Ralet-Renard
12	HR (Croatia)	<u>Faculty of Food Technology and Biotechnology</u>	1998	Ass. Prof. Marko Jukic	Dr. Daliborka Kocova Komlenic
13	IE (Ireland)	<u>Megazyme International Ireland Limited</u>	2008	Dr. Barry McCleary	--
14	IT (Italy)	<u>Agricultural Res. Council – Res. Center on Food and Nutrition (CREA AN, formerly INRAN)</u>	1960	Dr. Marina Carcea	Dr. Ambrogina Pagani Dr. Rita Acquistucci Prof. Emanuele Marconi
15	JP (Japan)	<u>The Flour Millers Association of Japan</u>	1966	Dir. Koji Ishizuka	Kenichi Sakai
16	LB (Lebanon)	<u>Industrial Research Institute</u>	1999	Dr. Bassam Frenn	Eng. Amine Jbeily
17	LV (Latvia)	<u>Ministry of Agriculture</u>	1996	Iveta Ozolina	--
18	NL (Netherlands)	<u>NBC – Nederlands Bakkerij Centrum</u> <u>TNO Food and Nutrition</u> <u>DSM Food Specialities B.V.</u> <u>The Royal Dutch Grain and Feed Trade Association (Het Comité)</u>	1959	Dr. Flip van Straaten	Dr. Martijn Noort Drs. Jan Willem van der Kamp
19	NZ (New Zealand)	<u>Lincoln University</u>	2013	Dr. Charles Brennan	--
20	RO (Romania)	<u>National Institute of Research & Development for Food Bioresources</u>	2000	Dr. Nastasia Belc	--

	Country	Member Organisation	Entry year	National Delegate	Deputy National Delegate(s)
21	SD (Sudan)	<u>Sudanese Standard & Metrology Organization (SSMO)</u>	1999	Dr. Awad Sokrab	--
22	TR (Turkey)	<u>Hacettepe University</u>	2002	Prof. Hamit Köksel	Turgay Sanal Çağatay Maraş
23	UK (United Kingdom)	<u>HGCA (Home Grown Cereals Authority)</u>	1959	Dr. Dhan Bhandari	Prof. Peter Shewry
24	US (United States)	<u>US Department of Agriculture (USDA) - Agricultural Research Service (ARS) - Center for Grain and Animal Health Research</u>	1958	Dr. Floyd Dowell	Dr. Maureen Olewnik Dr. Dirk Maier Prof. Perry K.W. Ng

Institutional Membership



Institutional Membership

ICC Institutional Membership is open to research organisations, industry/trade associations, policy makers, (inter)national consortia working in the food and feed sector, universities, publishers, etc. Institutional Membership offers additional benefits (compared to Corporate Membership) and voting rights in the ICC General Assembly. A

minimum of two Institutional Members in countries with a population up to 10 million, three in countries with a population up to 50 million and four or more in countries with a population above 50 million in a single country may act as a Country Member if they wish. The annual membership fee is € 2,000. –.

Institutional Members 2017				
	Country	Name of Institution	Entry year	Type of business
1	GR (Greece)	<u>ATEITH - Alexander Technological Educational Institute of Thessaloniki</u>	2015	Education public institute, specialized on applied sciences
2	IN (India)	<u>International Crops Research Institute for the Semi-Arid Tropics</u>	2012	Grain and grain products safety and quality control on the federal level
3	RU (Russia)	<u>Federal State Institution "Federal Centre of Safety and Quality Assurance for Grain and Grain products"</u>	2010	Grain and grain products safety and quality control on the federal level
4	TW (Chinese Taipei)	<u>China Grain Products R&D Institute</u>	2010	Research, Analysis, Training

Corporate Membership






Corporate Membership




ICC Corporate Membership is open to internationally active companies, enterprises, foundations, cooperatives and organisations promoting the aims of the Association, either by financial or scientific contribution. They have the right to participate in the General Assembly, submit proposals and make motions. Individually they have no active

or passive voting rights with respect to the activities of the Association but all Corporate Members collectively they may elect two representatives to vote on their behalf in the General Assembly. A Corporate Member may decide to become an Institutional Member at any time. The annual fee for Corporate Membership is € 1,000. –.

Corporate Members 2017

	Country	Organisation	Entry year	Type of business
1	AT (Austria)	<u>Diamant GmbH & Co KG</u>	1996	Raw Materials / Bread Improvers
2	CN (China)	<u>Academy of State Administration of Grain</u>	2014	Non-Profitable Research on Grain Science
3	CN (China)	<u>Beijing Academy of Food Sciences (BAFS)</u>	2001	Scientific Research, Testing and Publishing
4	CN (China)	<u>Henan University of Technology</u>	2005	Food Sciences and Technology is one of its key specialities
5	CN (China)	<u>Wuhan Polytechnic University (WHPU)</u>	2005	Priority on Food Science and Engineering
6	CN (China)	<u>Wilmar (Shanghai) Biotechnology R& Center Co.,Ltd</u>	2014	Agrobusiness and Food Company
7	DE (Germany)	<u>Brabender GmbH & Co KG</u>	1993	Measuring and Test Instruments
8	DE (Germany)	<u>Elementar Analysensysteme GmbH</u>	1999	Development, Manufacturing and Sales of Analytical Instrumentation
9	DE (Germany)	<u>Haubelt Laborgeräte GmbH</u>	2006	Producer of Rheological Flour Quality Testing Instruments

Corporate Members 2017				
	Country	Organisation	Entry year	Type of business
10	DE (Germany)	<u>Mühlchemie GmbH & Co KG</u>	2002	Solutions for Flour Standardisation / Flour Quality Improvement
11	DE (Germany)	<u>R-Biopharm AG</u>	2005	Manufacturer of Test Kits for Food and Feed Analysis and Clinical Diagnostics
12	DE (Germany)	<u>Rietmann GmbH</u>	1992	Supplier for Base Products and Premixes
13	DE (Germany)	Kastenmüller GmbH	2016	Planning of Mills and Plants in the Food and Non-Food Sector
14	DK (Denmark)	<u>Foss A/S</u>	2000	Analytical Instruments
15	DK (Denmark)	<u>Valsemollen A/S</u>	2012	Milling Company
16	DK (Denmark)	GlycoSpot	 2017	Biotechnology company specialized in the development and production of assay kits for carbohydrate active enzymes
17	FI (Finland)	<u>VTT Technical Research Centre of Finland</u>	2007	Research Organisation
18	FR (France)	<u>BIPEA</u>	2008	Proficiency Testing Schemes Organizer
19	FR (France)	<u>Chopin Technologies</u>	1992	Manufacturing and Sales of Quality Control Instrumentation for Grain and Flour
20	IE (Ireland)	<u>Megazyme International Ireland Limited</u>	1994	Developing and Supplying Diagnostic Test Kits and Reagents for the Cereals, Food, Feed and Fermentation Industries
21	IT (Italy)	Pavan S.p.A.	 2017	Design and Engineering of Technologies and Integrated Product Lines for Cereal Based Food Processing
22	IT (Italy)	Barilla	 2017	Food Company (Pasta, Bakery Products)
23	LB (Lebanon)	RBML Food Microbiology Labs	2016	Lab for Food and Water Microbiology

Corporate Members 2017				
	Country	Organisation	Entry year	Type of business
24	LT (Lithuania)	<u>Kaunas University of Technology</u>	2010	Technical University
25	NL (Netherlands)	<u>TLR International Laboratories</u>	2013	Laboratory Performing Analyses on Grains, Oilseed, Food and Feed
26	RU (Russia)	<u>International Industrial Academy</u>	2015	Advanced Training (Grain and Mixed Feed Industry)
27	RU (Russia)	<u>JSC "Ortus Malgrain"</u>	2015	Joint Stock Company
28	RU (Russia)	<u>The Russian Union of Flour Mills and Cereal Plants</u>	2015	Branch organisation
29	RU (Russia)	<u>VNIIZ - Russian Scientific Research Institute for Grain and Grain products</u>	2012	Research Institute
30	SE (Sweden)	<u>Perten Instruments Sweden</u>	1992	Laboratory Equipment for Quality Control of Grain and Flour
31	TR (Turkey)	<u>Bastak Food Machine Medical</u>	2013	Producer of Flour Additives and Quality Control Apparatus
32	TR (Turkey)	<u>Yücebaş Machine and Analytical Instruments</u>	2010	Production of Instruments for Testing Grain and Flour Quality
33	TR (Turkey)	Genc Degirmen Milling	 2017	Production of milling equipment for grain and food
34	TR (Turkey)	Ozmen Group	 2017	Production of flour for bread, pasta and some traditional Turkish foods
35	TR (Turkey)	Alapala Group	 2017	Serving flour, semolina, maize, feed turn-key projects
36	UK (United Kingdom)	<u>Stable Micro Systems Ltd.</u>	1996	Developing and Manufacturing of Texture Analysis Systems

Individual Membership



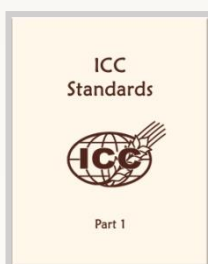
Individual Membership

ICC Individual Membership was introduced in 2016 and is open for any natural person wishing to promote and contribute to the aims

and activities of the Association.

If you are not a member yet you may sign up anytime at <https://www.icc.or.at/membership> and thus support the work of ICC.

ICC Standard Methods



A major objective which lied at the heart of ICC from its very beginning was to develop internationally-accepted standard methods to facilitate the trade of grains and grain-based food products within and between countries. This continues to be one of the fundamental aims of the Association.

Since its establishment, **over 80 standard methods** have been published by ICC, including several rapid methods. Many older methods have been reviewed and released in light of later developments. In many cases, the establishment of agreed standard methods came from the work of many individual working and study groups involving experts willing to cooperate under the direction of a chair. Their work mainly involved the study, development and evaluation of cereal testing methods and advising on particular problems related to cereal science and technology. These activities are overseen by the Technical Director and Technical Co-Directors.

In 2017 **new ICC Standards** have been voted and approved by the General Assembly:

Regular ICC Standard:

No. 168: Measurement of Total Starch Content of Cereal Grains, Food and Feed Products using α -Amylase/ Amyloglucosidase Method

New ICC Draft Standard:

ICC Draft Standard No. 185: Measurement of Total Dietary Fibre in Cereals, Ingredients and Food Products Using the Rapid Integrated TDF Procedure (RINTDF)

■ ICC Conferences and Meetings

ICC Conferences

1st ICC Asia Pacific Grain Conference, 21-24 May 2017, Xiamen, China

The 1st ICC Asia-Pacific Grains Conference (APGC) co-organized by ICC and CCOA was held successfully in Xiamen, China from May 21-23, 2017. On the theme of "Science and Innovations in Grains: From Asia-Pacific to the World", 600 delegates from 18 nations and regions participated in the important event. The three days schedule consisted of opening ceremony, plenary session, 13 parallel sessions, AACCI session, post paper exhibition, and awards ceremony, technical tour.

In the plenary session, 8 presentations were delivered, which draw high attention from delegates and media. Topics covered food security, cereal sector, vegetable oil, corn substrate, healthy food innovation, information technology application, and whole grain food and grain storage.

13 parallels sessions were going on during May 22 afternoon and May 23 morning. In total 118 speakers gave speeches on multiple and cross topics covered from processing, utilization, green storage, quality and safety, to health and nutrition in grain and oil & fats field.

More than 50 companies, including numerous sponsors and exhibitors, brought the novel products and achievements in the grain & oil science and technology, covering processing equipment, storage instruments, detection technologies, eastern traditional food as well as quick testing tools, which represented comprehensive strength and influence in the cereal and oil industry.



Also, Best Posters and Young Scientists have been awarded and last but not least, Prof. Bian Ke from Henan University of Technology was announced as Fellow of the ICC Academy.

The 1st ICC APGC successfully promoted not only the exchange and cooperation in grain & oil science and technology but also the sustainable development as well as the science and technology innovation in the Asia pacific region. ICC therefore sincerely thanks all the experts, endorsers and sponsors who have actively contributed to this event!

ICC Luncheon 2017 at the AACCI Annual Meeting, 11 October 2017, San Diego, USA



ICC was pleased to welcome many colleagues and friends to the ICC Luncheon 2017 at the AACCI Annual Meeting in San Diego, USA, 11 October 2017 where Michaela Pichler presented recent activities and achievements, as well as upcoming projects and events of ICC. It is a unique opportunity to meet new colleagues and get reacquainted with old friends from our global cereal family.

6th International Whole Grain Summit, 13-15 November 2017, Vienna, Austria



The 6th WGS17, held in Vienna was organized by Healthgrain Forum and the International Association for Cereal Science and Technology in cooperation with the University of Minnesota.

The Summit brought together some 220 public health experts and PR managers, manufacturers and marketers, grain scientists and government regulators from 36 countries from all continents aiming at coming to consensus and measurable results on how to increase

consumption of whole grains.

Day 1 featured the latest updates on whole grain science, technology, nutrition and health, along with business marketing and regulatory perspectives. On Day 2 all participants had the chance to contribute to interactive workshops, using the proven World Café model. The third day continued these discussions in a very lively panel discussion and the overall outcome of the interaction will lead to a joint Whole Grain Declaration which is now being finalised.

In addition, the best posters were presented in plenary and awards were granted. The Young Scientist Award, sponsored by Quaker was awarded to Caleigh Sawicki; the Best Poster Award sponsored by Nestlé was awarded to Catarina Villa Real and the two ICC Awards for Wholegrain Research sponsored by ICC-Austria were granted to Yujie Wang and Sara Roberts for their exceptional work in the field!

All presentations and pictures from this vibrant and inspiring event are available for all ICC Members on the ICC webpage in the "[Member Area](#)".

ICC would like to thank all participants, speakers, endorsers and sponsors of the 6th International Whole Grain Summit 2017, who contributed to this highly successful event!

ICC Supported Conferences

Global Miller's Symposium, 20-21 April 2017, Hamburg, Germany

The World of Milling met in Hamburg, Germany, from 20 -21 April 2017 at the first Global Miller's Symposium "Exchange of knowledge between international wheat millers". Around 300 participants from 54 countries attended the event.

This symposium was designed for professionals of the milling industry, scientists, members of ICC and cereal executives. Representatives from all continents shared their knowledge on trends in the global wheat market, flour treatment and fortification as well as new baking applications.

Selected Symposium topics were:

- Market: Risk reduction by hedging
- Grain research & quality: The potential of growing wheat in sub-Saharan countries and other regions
- Quality determination tools: At-line determination of flour fortificants
- Health & fortification: Does wheat make you sick?
- Culture, cultivation, climate & collection: Cultivated wheat – wheat culture
- Flour quality, processing & improvement: Lipase-treated wheat lipids and their effects in bread-making
- Coping with the ban of azodicarbonamide
- Improvement of pasta flour

9th International and 11th Croatian Congress of Cereal Technologists “Flour-Bread ‘17”, 25-27 October 2017, Opatija, Croatia

The 9th International Congress “Flour-Bread ‘17” and the 11th



Croatian Congress of Cereal Technologists “Brašno-Kruh ‘17” was held from 25 to 27 October in Grand Hotel Adriatic, Opatija, Croatia. The Congress was organised by the Faculty of Food Technology Osijek, the International Association for Cereal Science and Technology (ICC), and the Croatian Food Agency. The Congress was held under the auspices of the Ministry of Science and Education of the Republic of Croatia, the Ministry of Agriculture of the Republic of Croatia, the Ministry of Economy, Entrepreneurship and Crafts of the Republic of Croatia, Primorje-Gorski Kotar County, the Croatian Academy of Engineering, Josip Juraj Strossmayer University of Osijek, the Croatian Chamber of Economy, and the Croatian Employers’ Association. Two international organisations, the ISEKI Food Association, and the Global Harmonization Initiative also supported the Congress.

The “Flour-Bread ‘17” Congress topics were Cereals and Cereal Product Quality, Cereal Processing Technologies, Cereals and Health, Cereal Food Safety and Cereal Waste Management. The Congress programme included plenary and invited lectures, oral and poster presentations, workshop “How to Calculate Nutrient Content of Foods, practical presentation of muffin preparation “Muffin surprise”, the exhibition of process and laboratory equipment, cereal industry products and publications, social events, as well as Global Harmonization Initiative general meeting.

A total of 218 persons from 15 countries attended the Congress. The workshop “How to Calculate Nutrient Content of Foods” and the practical presentation of muffin preparation “Muffin surprise” significantly contributed to the professional component of the Congress.

The workshop “How to Calculate Nutrient Content of Foods” was organised by the Croatian Chamber of Economy, the Croatian Food Agency and the Faculty of Food Technology Osijek. The aim of the workshop was to present a step by step Guideline for calculating nutrient content for nutrition declaration as prescribed in the EU Directive 1169/11 on the provision of food information to consumers. Workshop was primarily intended for the food business operators. Presentations encompassed Regulation (EU), with the focus on nutritional labelling, Guideline general rules and application of the selected appropriate sample and Software developed to perform calculation of nutrient content based on the presented guideline. The participants from the food sector showed great interest in acquiring new knowledge and possibilities in the usage of new tools for the easier implementation within the legislative framework. The workshop was attended by 87 participants from 6 countries.

3 Best Poster Awards were awarded to the authors who presented their work most successfully.

The next Flour-Bread Congress was announced to be held in 2019.

Outlook 2018

4th ICC Latin American Cereals Conference (LACC4), 11-14 March 2018, Mexico City, Mexico

LACC4 promotes scientific and technological knowledge related to the production of grains, cereals and food and is aimed at professionals connected to the value chains of grains and cereals, from agricultural production to the food industry and consumers:



- Cereal scientists and researchers from agriculture and food research centers
- Universities and academia
- Food industry professionals in research and development, production and quality areas
- Policy makers from government institutions
- Trade associations connected to the food industry

At LACC4 researchers from around the world will present on themes related to the productive chain of grain:

- Quality and quality assessment
- Cereal processing technologies
- Cereal foods
- Nutrition and health
- Food safety and food security
- Recent developments in breeding and agronomy
- Food legumes
- Feeds and animal feeding

7th International Dietary Fibre Conference 2018, 4-6 June 2018, Rotterdam, The Netherlands

DF18 continues the highly successful series of the 3-yearly DF Conferences starting from DF2000 (Dublin) till DF15 (Paris): integration of nutritional and consumer science with food



technology, product development, analysis and legal aspects. DF18, organized by ICC, Wageningen University and Research (WUR) and TNO, is the occasion where scientists, regulators and industry representatives from all over the world can meet in a unique location where participants can develop new ideas while drawing inspiration from the dynamic city of Rotterdam.

DF18 covers all sources of dietary fibre and their diversity regarding impact on food structure, the human gut microbiome and health, including state-of-the art reviews by authoritative speakers and updates on new developments in major international projects. DF18 therefore offers a wide forum for all disciplines and industrial sectors involved in the research,

exploitation and utilization of dietary fibre. A rich table top exhibition of products, and scientific tools contributes to giving the participants a comprehensive overview of the state of the art in the field of dietary fibre.

Further upcoming ICC related conferences and meetings:

Date	Title	City	Country
19-22 March 2018	CIMMYT – Obregon Visitors' Week	Obregon	Mexico
29 March-1 Apr. 2018	World Mill Tech 2018 Expo	Büyükcemece/ Istanbul	Turkey
9-12 Apr. 2018	International Sorghum Conference "Sorghum in the 21st Century"	Cape Town	South Africa
12 Apr. 2018	AACCI and ICC Ancient Grains Symposium	Cape Town	South Africa
5-8 Nov. 2018	ICC International Conference "Grains for Wellbeing"	Taipei	Chinese Taipei

■ ICC Project Activities and Collaborations

International Projects

MyToolBox (2016-2020) – *The smart way to tackle mycotoxins* – New EU project Kick-Off: ICC involved as a Project Partner



Scientists leverage smart technology to support farmers and improve food safety: globally every year there are several billion Euro losses to cereals and other crops through fungal infection, which also causes harm to human health from toxins (mycotoxins) produced by

these moulds. In a new initiative that is being funded by the **European Union's Horizon 2020 Programme**, a group of scientists, engineers and IT specialists have teamed up **to provide knowledge transfer to farmers and other decision makers in the food and feed chains**. Using **smart technology** available on phones and tablets, decision-making tools will be made available to the agricultural and food communities to guide them in taking the most cost-effective **actions to minimise fungal infection and mycotoxin formation**. Advice will be given in real-time and customised to the individual situation taking into account numerous factors including climatic conditions as a means of forecasting potential fungal infection.

ICC, as **responsible for the dissemination** of information on the project and its results to a wide audience, successfully launched in 2016 the **project's website <http://www.mytoolbox.eu>** as well as the project's **social media channel on Twitter**. The website is meant to be a lively online platform with upcoming contents, news, and information to be integrated. All relevant data as well as results will be published on the website during the duration of the project.

The **co-ordinator** of the project, **Prof. Rudolf Krska** from the University of Natural Resources and Life Sciences (**BOKU**) in Vienna, who launched the project on **8 March 2016** said "*This exciting MyToolBox Project has the potential to save tens of millions of Euros per annum in reduced crop losses, as well as achieve reductions in dietary exposure to mycotoxins, which is immeasurable in terms of benefits to human health*".

Of the **23 partners from 11 countries including China**, there is a strong industry presence reflecting the practical significance of this project. **Dr. Michele Suman from Barilla**, a world leading manufacturer of pasta in Parma (Italy) and a member of the MyToolBox team said, "*This project could make a real difference to the cereal processing industry with the potential to reduce losses of wheat and maize during milling and produced safer products with lower levels of mycotoxins reducing human exposure*".

MyNewGut – EU-funded project on “Microbiome influence on energy balance and brain development-function put into action to tackle diet-related diseases and behaviour” launched in 2014



The € 9m EU-funded project MyNewGut will research how the human gut microbiome influences obesity, behavioural- and lifestyle-related disorders and vice versa. It also aims to identify specific dietary strategies to improve the long-term health of the public.

The general objectives of the project are to:

- Expand knowledge of the contribution of the human microbiome to nutrient metabolism and energy balance.
- Identify microbiome-related features that contribute to or predict obesity and associated disorders.
- Understand how the gut microbiome, under the influence of environmental factors, plays a role in the brain, metabolic and immune system development in early life.
- Provide proof-of-concepts of the disease risk and reduction potential of dietary interventions with new food products and (or) ingredients that target the gut microbiome, in humans.

In 2016 The MyNewGut consortium has worked on the scientific, technological, dissemination and managerial activities as scheduled for the 30 months reporting period for most of the tasks.

ICC supports the dissemination of project knowledge. To read more, please visit <https://www.icc.or.at/projects> or go directly to the project website <http://www.mynewgut.eu>.

iFAAM (2013-2017) - Integrated Approaches to Food Allergen and Allergy Risk Management (MoniQA is partner, ICC is Third Party)



The world's biggest study of allergies - spearheaded by the University of Manchester – kicked-off on 19 March 2013. The €9 million project builds on an earlier research study and involves the world's leading experts in the UK,

Europe, Australia and US.

Up to 20 million European citizens suffer from food allergy today. However, management of both food allergy by patients and health practitioners and allergens, by industry, is thwarted by lack of evidence to either prevent food allergy from developing or protect adequately those who are already allergic. The European Commission-sponsored research, known as the Integrated Approaches to Food Allergen and Allergy Risk Management (iFAAM) will produce a standardised management process for companies involved in food manufacturing. It will also develop tools designed to enforce these regulations and produce evidence-based knowledge to inform new health advice on nutrition for pregnant women, babies and allergy sufferers. ICC contributes to the project as a third party, supporting the MoniQA Association, which leads a work-package in this project dealing with translating iFAAM developed tools and food allergen management approaches to practice.

The WoW Project (2017-2019) – “Well on Wheat?”



The ‘Well on Wheat?’ project is an international research project addressing the health aspects of wheat consumption and aspects of wheat and gluten avoidance.

‘Well on Wheat?’ aims to obtain a full compositional picture of selected wheat types, the flours and doughs made thereof, the breads baked. As such, the changes in chemical composition of different wheat species and compositional changes that may occur as a result of food processing (milling, yeast/sourdough fermentation, baking) will be evaluated. A detailed insight in the effects of food processing will help make recommendations for future product development in the context of “good food for a healthy life”. Such recommendations should be transparent, practically relevant and industrially, thus economically feasible.

This project will be supported by ICC and funded by private and public organisations.

To read more, please visit <https://www.icc.or.at/projects> or go directly to the project website <http://www.wellonwheat.org>

ICC Cooperations

HEALTHGRAIN Forum established in May 2010



The HEALTHGRAIN Forum was established as an international association and a follow-up to the EU 6th Framework Programme Integrated Project HEALTHGRAIN - "Exploiting Bioactivity of European Cereal Grains for Improved Nutrition and Health

Benefits". Its mission is to promote science-based concepts fully unlocking the health promoting potential in the entire grain food production chain to obtain healthy, convenient and appealing foods. ICC provides support and expertise to the association, as well as the financial administration. In 2016 a *Memorandum of Understanding* between the two associations has been signed, to define the cooperation.

FOODSECURITY.AT Forum established in May 2015



Foodsecurity.at is a network composed of four Austrian institutions working in the whole field of Food Security. ICC facilitates the international integration of the planned activities of the network. ICC recognises the importance of food security being one of the great challenges of the 21st century. Together with the network partners of foodsecurity.at, ICC contributes in making some key topics a subject of discussion.

ISEKI-Food Association established in October 2011



The ISEKI-Food Association started its activities as a network after the ISEKI_FOOD_4 project in October 2011. The project was aimed to develop a framework of stakeholders to lead innovation in food studies education & training tailored to the needs of the industry, promote

innovation in the FS&T academic sector and support internationalization of EU Food studies. ICC is involved by hosting and managing the website and supporting different events.

AACCI Collaboration



The collaboration between AACCI and ICC continued also in 2017 with the preparation of a joint AACCI-ICC Ancient Grains Symposium in the frame of the Sorghum Conference 2018 in Cape Town, South Africa.

Publications

ICC Newsletter & News Alerts



ICC is periodically sending out Newsletters per e-mail. In 2017 ICC sent around 5 Newsletters and 8 News Alerts to a community of more than 8.500 subscribers worldwide.

ICC Journal - QAS (Quality Assurance and Safety of Crops and Foods)

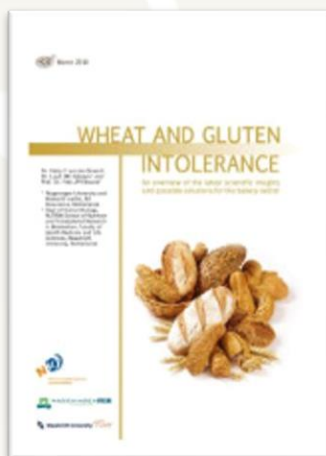


The focus on grain food quality and safety has resulted in collaboration with Wageningen Publishing for editing a specialized journal targeting those interested in this topic. The official journal of ICC, the Quality Assurance and Safety of Crops & Foods (QAS) was in 2017 in its 9th year of publication.

It is an international peer-reviewed journal publishing scientific primary research papers and review papers in the areas of food safety and quality, food security and the technology of crops, cereals and grains. The journal focuses on the research into and development of new analytical tools, the improvement of existing analytical tools, food quality and safety and on the technologies associated with harvesting, storing, processing and manufacture. In 2017 four issues have been published.

White Paper on Wheat and Gluten Intolerance

With the White Paper, the current state of scientific knowledge on human disorders related to gluten and wheat is presented, with reference to other grains such as spelt, barley, rye, and oats. Backgrounds are described of coeliac disease (gluten intolerance), wheat allergies and any kind of wheat sensitivity, followed by strategies that are suggested to reduce disease prevalence and to mitigate symptoms. Research is proposed that focuses on the possibilities to modify raw materials and process technologies for the development of products that may give rise to reduced intolerance and sensitivity reactions to wheat proteins and related components. These strategies can be implemented at short, medium or long term and are of interest to the food sector, in particular the bakery, pasta and breakfast cereal segments.



Vienna Whole Grain Declaration



To increase whole grain intake, efforts cannot be limited to one or two stakeholders, and must be addressed using the combined efforts of all parties involved in the food supply chain. For this reason, more than 200 renowned experts and leading stakeholders, representing more than 35 countries, came together at the 6th International Whole Grain Summit, 13-15 November 2017 in Vienna, Austria, with the common goal of creating a collective action plan to increase whole grain intake worldwide, for the health and well-being of all people: <https://www.icc.or.at/images/files/WGS-2017-Declaration-on-Whole-Grain-FINAL.pdf>

Vienna Whole Grain Press Release



Academics, non-profit organizations, government policymakers, and industry, working together at the Whole Grain Summit, contributed a dynamic breadth and depth of knowledge to the task of creating a Whole Grain Declaration and long-term action plan. Six international working groups have already been established to carry out the goals agreed in Vienna. Over the next two years, participants in these groups will work intensively under the name of the “Whole Grain Initiative”, and will interact with the WHO (World Health Organization), FAO (Food and Agriculture Organization of the United Nations), EFSA (European Food Safety Agency) and other consortia and food authorities as part of the

action plan. For detailed information please visit the ICC webpage or click: https://www.icc.or.at/index.php?option=com_content&view=article&id=114&catid=2

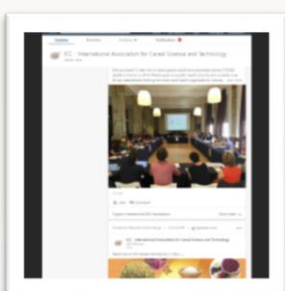
ICC on social media channels



To better keep in touch with our members and stakeholders, ICC is now also present on facebook. We will continuously use this as a platform to inform about ICC activities but also to present news from our



members and news on cereals. We invite our members to share with us related news to reach out globally.



Let's grow the cereals community - follow us at [@ICCcereals](https://www.linkedin.com/company/icccereals/)! ICC publishes on a regular basis **updates** about ICC events, ICC-endorsed events, event reports; new issues of the ICC Journal; new standard methods; press releases; member updates; as well as science updates. To stay tuned on ICC updates, click the blue **"Follow"** button on the upper right corner here



on the ICC website or directly on the company page. Furthermore, you are also welcome to **"like"** specific updates which will then figure on your own personal profile which will be seen by your network.

Let's grow the cereals community - follow us at <https://www.linkedin.com/company/icccereals/>

ICC Online Store

For a full overview of publications, check our ICC Online Store:



<https://www.icc-services.at/store>

ICC Promotional material

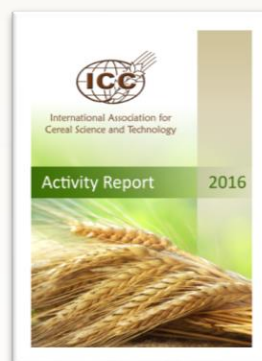
ICC Brochure



The ICC general information brochure can be downloaded freely under

<https://www.icc.or.at/general-information-about-icc/who-we-are>

ICC Activity Report



ICC presents its activities to members and stakeholders in its Annual Reports which have been updated in a new format in the last years and can be downloaded under <https://www.icc.or.at/publications/icc-yearly-reports>.

ICC Medals and Awards

ICC Academy Fellow 2017

The ICC Academy was founded in 2005 and provides recognition to individuals from within the ICC membership who have made significant contributions to the work of the ICC and the furtherance of its aims and ideals, and to the profession of cereal science.

Prof. Ke Bian, Henan University of Technology, China

Prof. Ke Bian has been devoted to research and teaching in the field of grain processing and preservation. He is the Chairman of Cereal and Legume Branch of Food Technical Commission (ISO/TC34/SC4). He is also the Wheat Processing Chief Scientist of the National Wheat Industrial Technology System. He is the director of Grain Storage and Safety Engineering Research Centre, China Ministry of Education; the director of National Engineering Laboratory of Grain Storage; and the chairman of the Wheat Processing Industrial Technology Innovation Strategic Alliance in China.



ICC Clyde H. Bailey Medal Awardee 2017



In 1969 the ICC decided to create an award for outstanding achievements in the service of cereal science and technology, which was at the time to commemorate Dr. Clyde H. Bailey (ICC Honorary President 1958-1968), who had died the year before.

Prof. Dr. Kaisa Poutanen, VTT, Finland

Prof. Poutanen is Research Professor at VTT Technical Research Center of Finland since 1989. Under her successful leadership several international programs have been coordinated. Further, Prof. Poutanen has published more than 300 scientific papers.



Highlights of 2017



January

- ICC's NEW presence on Facebook



February

- ICC Presidents' meeting sets up the ICC Milestones and Activities for 2017, ICC HQ Vienna, Austria

March

- MyToolBox Project Steering Committee, 8-10 March 2017, Castelldefels, Spain

April

- Global Miller's Symposium, 20-21 April 2017, Hamburg, Germany

May

- HGF Spring Workshop, 2-3 May 2017, Leuven, Belgium
- 1st ICC Asia Pacific Grain Conference, 21-24 May 2017, Xiamen, China

June

- Foodsecurity.at Strategy Workshop, 8 June 2017, Vienna, Austria

July

- Revision and definition of NEW ICC membership benefits, July 2017

August

- 3rd International Symposium of Food Science and Human Wellness, 5-6 August 2017, Changchun, Jilin, China
- MyNewGut Annual Meeting, 22-23 August, Cork, Ireland

September

- Australasian Grain Science Association Conference, 20-22 September 2017, Christchurch, New Zealand

October

- 9th International Congress "Flour-Bread '17" and the 11th Croatian Congress of Cereal Technologists "Brašno-Kruh '17, 25-27 October 2017, Opatija, Croatia
- ICC Luncheon 2017 at the AACCI Annual Meeting, 11 October 2017, San Diego, USA

November

- 6th International Whole Grain Summit, 13-15 November 2017, Vienna, Austria
- Vienna Whole Grain Declaration, December 2017

December

- ICC General Assembly 2017 TC, 12 December 2017
- Dr. Charles Brennan elected as ICC President Elect 2017-2018 after Dr. Stefan Wagener's resignation



■ What does ICC mean to its members?

The following comments come from the membership of the ICC as they reflected on the service to the cereals community worldwide:

“The relationship with the ICC was a great opportunity for me, for my country and Latin America to be in contact with important scientists of cereals science and technology worldwide. The ICC is a mark in my life because it gave me the opportunity to have new important friends, make known the importance of cereals in this part of the world that not always is known and integrate new countries of Andine Zone and South Cone of Latin American to the ICC family. I am happy for this and hope to continue in the future.”

Dr. M.B. CUNIBERTI, Argentina (2017)

“ICC is a unique organization with a truly global outreach. Important ICC activities in this century include initiatives in organizing and supporting cereal science conferences in all continents and in (co-)shaping of European Union projects with a global outreach. Through ICC and ICC Conferences I visited and got contacts and friends all over the world.”

Drs. J.W. VAN DER KAMP, The Netherlands (2017)

“I cannot imagine what my life would have been like without the ICC. The ICC presented me with a challenge and gave me the opportunity to do something which had interested me from my youth that is, resolving baking problems.”

Dr. H. PERTEN, Sweden (2017)

■ Think cereals – think ICC!



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for Cereal Science and Technology**

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ICC Officials & Headquarters in Vienna/AT



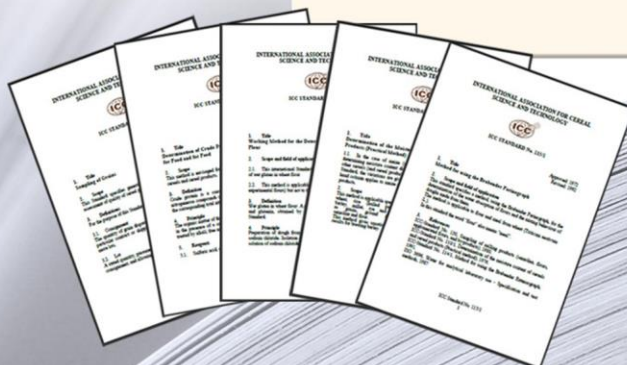
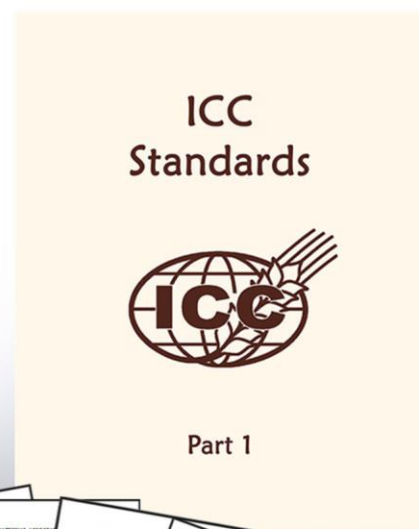


STANDARDS

For over 60 years ICC has validated and published analytical standard methods applied in safety and quality assessment of cereals and crops, cereal based products, foods and feeds. ICC Standard Methods serve international trade, national and international legislation, industry standards such as ISO and CEN, and as guidelines for food manufacturers and control laboratories. Validated methods are published in the ICC Standards Collection and can be purchased via ICC Services.

We offer:

- **Around 100 ICC Standards**
- **As printed book or PDF**
- **Purchase a complete edition and receive a printed version of the ICC Dictionary for free by post!**
- **Free online version**
for ICC National Delegates and Deputy National Delegates



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www.icc-services.at/store

ICC Statutes

Article I - Name, Location and Scope of Activity

1. The Association shall bear the name **ICC – INTERNATIONAL ASSOCIATION FOR CEREAL SCIENCE AND TECHNOLOGY (INTERNATIONALE GESELLSCHAFT FÜR GETREIDEWISSENSCHAFT UND - TECHNOLOGIE)** and shall be located in Vienna, Austria.
2. The Association shall be a non-political, non-religious and non-profit making organisation. It shall only serve idealistic and research purposes in connection with cereal science and technology in accordance with **Art. II** of these statutes.

Article II - Purposes of the Association

1. The purposes of the Association are to:
 - a) Contribute to the advancement of cereal science and technology in all its aspects;
 - b) Disseminate knowledge in the field of cereal science and technology;
 - c) Conduct, manage, or coordinate research and research projects to support the activities emerging from a);
 - d) Study, develop and evaluate test methods in cereal science and technology and related fields;
 - e) Standardise methods identified under c);
 - f) Relate the results of scientific and technological research to the more effective and sustainable utilisation of cereals;
 - g) Establish internal bodies for purposes of training and research in the field of cereal science and technology and recognition of scientific and technical expertise;
 - h) Act as a respected source of expertise in cereal science and technology in all its aspects, for the benefit of the world community.

Article III - Measures for the Achievement of the purposes of the Association

1. The Association shall seek to achieve its purposes by:
 - a) Establishing and maintaining contacts among cereal scientists and technologists, concerning scientific and technological studies with a view to taking up, promoting and coordinating research activities;
 - b) Organising programmes of lectures and discussions;
 - c) Cooperation and exchange of views with specialist institutions and organisations;
 - d) Publication of standards for test methods and similar documents in cereal science and technology and related fields;
 - e) Any other means that may serve these purposes which include for example:
 - Participation in and coordination of research projects in the field of cereal technology, food safety, nutrition and renewable energy or all other uses of cereals,
 - Provision of experts, and advising experts,
 - Organizing conferences, congresses, workshops, expert summits and training courses,
 - Publishing of technical literature.

Article IV - Finance

1. The funds required for the Association shall be raised by means of contributions from its members (membership fees), the amounts of which shall be determined by the General Assembly, as defined in Art. X.
2. Additional funds may be raised by research activities, symposia, conferences, training workshops, publications as well as contributions from foundations and donations from other parties.

Article V - Membership

1. The Association has as regular members: countries, institutions, corporations and individuals as well as Honorary Members wishing to play a full and active role in the activities of the Association.

The annual fees for the different categories of membership shall be as determined by the General Assembly and shall be published on the website of the Association (www.icc.or.at).

- 1.1. **Country Membership** shall be open to all countries that aspire to the aims and objectives of ICC as outlined in this Statutes.

In order for a country to become a Country Member, at least one public or private institution or representative in that country must be willing to play an active role and promote the activities of the Association. Such public or private institutions are called Country Member Organisations.

1.1.1. The number of Country Member Organisations in one and the same country shall not be limited provided that one of them assumes responsibility for arranging and paying the total annual membership fee payable by that country.

1.1.2. Country Members have active voting rights at the General Assembly. The Country Member Organisation assuming responsibility for payment of the annual membership fee shall appoint a National Delegate and a number of Deputy National Delegates in accordance with their membership category.

1.1.3. Membership categories for Country Members shall be linked with the population of the country so that those with

- populations <10 million may appoint one (1) Deputy National Delegate (maximum 2 votes),
- populations of 10-50 million may appoint up to two (2) Deputy National Delegates (maximum 3 votes) and
- populations >50 million may appoint up to three (3) Deputy National Delegates (maximum 4 votes)

and can vote accordingly at the General Assembly.

1.1.4. Discounts are available for Country Members in cognisance of per capita Gross Domestic Product (GDP as defined in the World Bank Classification of countries according to income of their economies) and Human Development Index (HDI ranking by the United Nations Development Programme).

The discounted Country Member Organisation assuming responsibility for payment of the annual membership fee shall appoint a National Delegate and up to two Deputy National Delegates so that these Country Members may cast up to three votes on those matters to be decided by the General Assembly.

Discounted Country Members may at any time decide to become a full Country Member and shall then assume the voting rights as defined in Art. V 1.1.2

- 1.2. **Institutional Membership** shall be open to scientific and technical institutes and other organisations wishing to promote the aims and activities of the Association. Institutional Members may be situated in member (as defined in Art. V. 1.1) and non-member countries.

Institutional Members shall have a single vote per institution at the General Assembly.

Developing country discounts will not apply for Institutional Members.

- 1.3. **Corporate Membership** shall be open to internationally active companies, enterprises, foundations, cooperatives and organisations promoting the aims of the Association, either by financial or scientific contribution. Corporate Members may be situated in member (as defined in Art. V. 1.1) and non-member countries.

Individually they shall have no active voting rights in the General Assembly but all Corporate Members collectively may elect two (2) representatives to vote on their behalf in the General Assembly.

- 1.4. **Individual Membership** shall be open for any natural person wishing to promote and contribute to the aims and activities of the Association. Individual Members may be situated in member (as defined in Art. V. 1.1) and non-member countries.

Individual Members shall have no active voting rights in the General Assembly but all Individual Members collectively may elect

one (1) representative to vote on their behalf in the General Assembly.

- 1.5. **Honorary Members** can be those officials of the Association who have been explicitly nominated as such as a result of special contributions made for the Association. Honorary Members may be situated in member (as defined in Art. V. 1.1) and non-member countries.

Honorary Members shall have no active voting rights in the General Assembly.

Article VI - Admission of members and termination of membership

1. Admission of membership

Admission to membership shall be decided by the General Assembly upon proposal of the Executive Committee.

2. Termination of membership

- 2.1. Country, Institution, Corporate and Individual Members may resign from the Association only at the end of each calendar year. For the purposes of the resignation, the member shall notify the Secretary General in writing (letter, fax, email) not later than three months before the date at which the resignation shall take effect. Belated notification shall entail the resignation to take effect only at the end of the calendar year following the date of the intended resignation.

- 2.2. If an ICC Member fails to pay the membership fee for two consecutive years its membership will be terminated beginning with the third year. The re-instatement of lapsed Members shall require again the approval of the General Assembly.

- 2.3. Such defaulting members may re-apply for membership but the Executive Committee may require the payments of any previously unpaid fees before again granting membership.

- 2.4. Any Membership of ICC can be terminated with the approval of the General Assembly if the member is acting in conflict with the principles and aims of the Association.

Article VII - Rights of members

Members in good financial standing shall have the following rights:

1. **Country Members** shall have the right to:

- a) vote at the General Assembly according to their membership category as specified in Art. V and X,
- b) nominate an individual from that country for the position of President,
- c) nominate an individual from that country for the Executive Committee,
- d) participate in defining the policies and programmes of the Association through its representative bodies according to the working rules laid down in these Statutes,
- e) become a member of a Working Group,
- f) lead a Working Group,
- g) be appointed as Technical Committee Member,
- h) be elected as Technical Director,
- i) use the ICC Membership logo.

2. **Institutional Members** shall have the right to:

- a) vote at the General Assembly as specified in Art. V and X,
- b) nominate collectively two (2) individuals from that membership category for the Executive Committee,
- c) become a member of a Working Group,
- d) lead a Working Group,
- e) be appointed as Technical Committee Member,
- f) be elected as Technical Director,
- g) use the ICC Membership logo.

3. **Corporate Members** shall have the right to:

- a) if so elected collectively by the Corporate Members, represent the Corporate Members and vote at the General Assembly,
- b) nominate collectively two (2) representatives from that membership category for the Executive Committee,
- c) become a member of a Working Group,
- d) lead a Working Group,
- e) be appointed as Technical Committee Advisory (non-voting) Member,
- f) use the ICC Membership logo.

4. **Individual Members** shall have the right to:

- a) if so elected collectively by the Individual Members, represent the

- Individual Members and vote at the General Assembly,
 - b) nominate collectively one (1) representative from that membership category for the Executive Committee,
 - c) become a member of a Working Group,
 - d) be appointed as Technical Committee Advisory (non-voting) Member.
 - e) use the ICC Membership logo.
5. **Honorary Members** shall have the right to:
- a) use the awarded honorary ICC title
 - b) nominate one (1) individual from that membership category for the Executive Committee,
 - c) become a member of a Working Group,
 - d) be appointed as Technical Committee Member,
6. Further information on the rights and benefits of membership may be obtained from the Association website (www.icc.or.at) or from written communication of the Secretary General.
7. No grants or other financial benefits shall be made available to members from the Association funds.

Article VIII - Duties of members

1. It shall be a duty of members to promote the activities of the Association to the best of their ability, to observe the statutes, by-laws and decisions of the General Assembly and Executive Committee and to pay their membership fees in good time.

Article IX - Representative bodies of the Association

1. The representative bodies of the Association are:
 - a) General Assembly (as defined in Art. X)
 - b) Executive Committee (as defined in Art. XI)
 - c) Governing Committee (as defined in Art. XII)
 - d) Technical Committee (as defined in Art. XIII)
 - e) Arbitration Committee (as defined in Art. XIV)

2. The relationship between the representative bodies shall be as defined in the By-Laws of the Association.

Article X - General Assembly

1. The General Assembly shall be composed of the
 - a) National Delegates and Deputy National Delegates,
 - b) Institutional Members
 - c) Corporate Member Representatives
 - d) Individual Member Representative
 and chaired by the President, President Elect or Past President.
2. Each individual eligible to vote shall have only one vote to cast at the General Assembly.
3. The ordinary General Assembly shall meet every two years and its tasks shall be to make decisions on the following issues:
 - a) admission and termination of ICC members (as defined in Art. V and Art. VI),
 - b) appointment of the President Elect and President
 - c) election of members to the Executive Committee (see Art. XI),
 - d) election of the Auditors of the Association,
 - e) approval of the statement of annual accounts prepared and submitted by the Executive Committee,
 - f) determination of the membership fees and approval of relevant budgets,
 - g) approval of the progress report of the Technical Committee,
 - h) adoption of draft standards, standards and other documents,
 - i) amendment of the Statutes,
 - j) decisions upon any other items placed upon the agenda,
 - k) winding up the Association.
4. A delegate or representative who cannot attend a meeting of the General Assembly may arrange to be represented by a proxy who shall have the right to vote on his/her behalf.
5. For routine matters the General Assembly shall have a quorum if collectively at least one third of the delegates entitled to vote are present, or are represented by deputies, or have communicated their voting

preference to the President in advance of the meeting. For major issues such as changing the Statutes or winding up the Association two-thirds of those entitled to vote are required to be present or represented. All decisions shall require a simple majority of the members entitled to vote. In the case of a tie the President shall have the casting vote.

6. The decisions of the General Assembly may be made in written / electronic form, if any delegate entitled to vote has been granted the possibility to vote. Decisions will require the same quorum and voting majorities as when the General Assembly meets in person.
7. Extraordinary General Assemblies may be convened
 - a) by the decision of the President and/or
 - b) at the written request of at least one tenth of the members eligible to vote. In this case the meeting shall be convened on a date within three months after receipt of the request.
8. Winding up of the Association
 - 8.1. The voluntary winding-up of the Association shall be decided upon by an Extraordinary General Assembly specifically convened for this purpose. The decision shall be made by a two-thirds majority of all valid votes cast.
 - 8.2. The Extraordinary General Assembly shall decide upon the disposal of the assets of the Association; they shall be made available for a charitable cause (especially in the area of research) and the Auditors shall be entrusted with the execution of this decision.

Article XI - Executive Committee

1. The Executive Committee shall consist of up to twenty-four (24) members and shall include:
 - a) the President,
 - b) the President Elect,
 - c) the Past President,
 - d) the Technical Director and
 - e) the members as elected by the General Assembly, including Institutional, Corporate, Individual and Honorary Member Representatives.

The members are elected for an up to six year term with the possibility for re-election.

2. The tasks of the Executive Committee shall be to:
 - a) propose the admission of ICC Members to the General Assembly,
 - b) appoint the Secretary General and Deputy Secretary General,
 - c) exercise financial supervision through the Governing Committee,
 - d) appoint the Technical Director and Technical Co-Director,
 - e) set up Working Groups, appoint their chairs and discuss reports on the progress of work in these groups,
 - f) make proposals to the General Assembly for adoption of draft standards, standards and similar documents of the Association,
 - g) decide on recommendations for awards of Honorary Presidency, Fellowship of the ICC Academy and the conferring of ICC medals through the ICC Academy.
 - h) handle all matters of the Association not expressly reserved for the General Assembly.
3. The Executive Committee shall have a quorum if at least one third of its members are present and shall take decisions by a simple majority. In the case of a tie the President shall have a casting vote.
4. The decisions of the Executive Committee may be made in written or electronic form if any member entitled to vote has been granted the possibility to vote.
5. The Executive Committee may set up Sub-Committees, Working and Study Groups to assist in the exercise of its function.

Article XII - Governing Committee

1. The Governing Committee shall comprise
 - a) the Past President (as Chair),
 - b) the President,
 - c) the President Elect,
 - d) the Honorary Presidents and
 - e) up to 3 invited persons.
2. The Governing Committee shall advise the Executive Committee on the following matters:
 - a) the financial position within the Association,
 - b) the appointment of staff by the Association,

- c) staff employments conditions within the Association,
- d) resources and operational requirements for the offices of the Association,
- e) representation by the Association at meetings and conferences,
- f) any ICC Honorary Membership,
- g) contract arrangements relevant to the functions of the Association.

Article XIII - Technical Committee

1. The Technical Committee shall consist of
 - a) the Technical Director or in his/her absence the President Elect,
 - b) the Technical Co-Director,
 - c) the Chairs of the Working Groups and
 - d) any elected Technical Committee (Advisory) Member.
2. The Technical Committee shall have the following task:
 - a) To review the progress of the work of the Working Groups,
 - b) To present to the Executive Committee proposals for standard methods and new Working Groups.

Article XIV - Arbitration Committee

1. The final decision in all disputes arising within the Association shall rest with the Arbitration Committee.
2. In the event of disputes an Arbitration Committee shall be formed by each party to a dispute electing two members to act as Arbitrators who in turn, shall elect another member to act as Chair of the Arbitration Committee.
3. If no agreement can be reached on the election of the Chair, he/she shall be elected by the Executive Committee or, if the latter is itself a party to the dispute, by the General Assembly.
4. The Arbitration Committee shall have discretionary powers and shall make their decisions to the best of their knowledge and ability. The Arbitration Committee shall decide by a simple majority. In the case of a tie the Chair shall have the casting vote.
5. No appeal against the decision of the Arbitration Committee is possible.

Article XV - Officers of the Association

1. The officers of the Association are:
 - a) the President (as defined in Art. XVI),
 - b) the President Elect (as defined in Art. XVII),
 - c) the Past President (as defined in Art. XVI),
 - d) the Secretary General and the Deputy Secretary General (as defined in Art. XVII),
 - e) the Technical Director and Technical Co-Director (as defined in Art. XVIII),
 - f) the Auditors (as defined in Art. XIX).

Article XVI - President Elect, President and Past President

1. The President shall chair the meetings of the General Assembly and Executive Committee and shall execute their decisions.
2. The normal terms of the Presidency shall be as follows:
 - two years President Elect
 - two years President
 - two years Past President
3. In exceptional circumstances candidates may be proposed for the presidency for periods of less than two years by the current President and Executive Committee for approval by the General Assembly.
4. The President shall represent the Association with official bodies and other relevant committees.
5. Together with the Secretary General, the President of the Association shall confirm decisions and sign such documents as commit the Association in any way.
6. For administrative issues with the Austrian Association Authority the Secretary General has the power of representation.
7. The President Elect and the Past President shall assist the President in the performance of his/her duties and shall act in his/her place if the President is unable to fulfil his/her duties.
8. If the Technical Director is unable to perform, his/her duties the President Elect shall take over his/her responsibilities until another Technical Director may be appointed.

9. The Past President shall assume the responsibility for chairing meetings and supervising actions of the Governing Committee.

Article XVII - Secretary General and Deputy Secretary General

1. The Secretary General shall be appointed by the Executive Committee for a four-year term with the possibility of re-election.
2. The Secretary General will be appointed the Chief Executive Officer of the Association and will act as liaison officer between the Association and international, regional and national professional organisations, official bodies and members.
3. The Secretary General will represent the Association together with the President Elect, President and Past President in accordance with Art. XVI.
4. The detailed tasks and responsibilities are given in the By-Laws.
5. The Deputy Secretary General shall assist the Secretary General in the performance of his/her duties and shall act in his/her place if the Secretary General is unable to fulfil his/her duties.

Article XVIII - Technical Director

1. The Technical Director shall act as Chair of the Technical Committee and supervise the work of the Technical Working Groups. He/she will act as liaison officer between the Executive Committee and the Chairs of the Technical Working Groups.
2. The Technical Director shall be supported by a Technical Co-Director.

Article XIX - Auditors

1. The General Assembly shall elect two Auditors for a four-year term.
2. They shall supervise the managements of the Association's finances with regard to the observance of the proper rules of accounting and the disposition of the Association's funds in accordance with the statutes, within four months from the date of submission of the annual financial statement (balance sheet) in accordance with Art. 21VerG (Vereinsgesetz - Associations Act).
3. They shall submit an annual audit report to the General Assembly. The accounting (fiscal) year is identical with the calendar year.

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ICC reaches out to Cereal and Food Scientists, Technologists, institutions and interested individuals, companies, and organisations.

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