



International Union of Pure and Applied Chemistry
Committee on Chemistry and Industry

COCI Annual Meeting
IUPAC 47th General Assembly
Harbiye Military Museum, Istanbul
August 11th, 2013

1. Present:

Michel Droescher (MD)	Chairman	Germany
Colin Humphris (CH)	Secretary	United Kingdom
David Evans (DE)	Titular Member	United Kingdom
Khalida Al-Dalama (KA)	Titular Member	Kuwait
Dr. Hideyuki Ishida (HI)	Titular Member	Japan
Bernard West (BW)	Associate Member	Canada
Esmâ Toprak (ET)	Associate Member	Turkey
Alex Pokrovsky (AP)	Associate Member	Russia
Carolyn Ribes (CR)	National Representative	USA
Paul Baekelmans	National Representative	Belgium
Daniel Bernard	Associate Member	France
Markku Leskela	Division II representative	Finland

Guests

Jung-il Jin		Korea
Natalia Tarasova		Russia
Roland Andersson	Chemical Institute of Canada	Canada
Hamdy Kalil	Woodridge Foam	Canada
Godfred Nyarko	STP Graduate	Ghana
Gursharn Grover	STP Graduate	India
Kan-Na Chen		Taiwan
Wandee Luesaiwong		Thailand
Paweena Kreunin		Thailand
Deborah Aruguete	Young Observer	USA
Lucinda Dudd	Young Observer	UK
Sylvia Klejna	Young Observer	Ireland
Brain Korgel	Young Observer	USA
Merid Legresse	Young Observer	Ireland
Alena Siskova	Young Observer	Slovakia
Lewis Whitehead	Young Observer	USA

Apologies were received from:

Aldo Bologna Alles (AA)	Titular Member	Uruguay
Dr. János Fischer (JF)	Titular Member	Hungary
Xianghong Cao	Titular Member	China
Veronica Cruz	Associate Member	Puerto Rico
Nedyalko T. Popov	Associate Member	Bulgaria
Chang-Hyun Choi	National Representative	Korea

Igor G. Kukushkin	National Representative	Russia
Jaques Desbrieres	National Representative	France
Barbara Pohl	National Representative	Germany
Elio Santacesaria	National Representative	Italy

2. Welcome

MD welcomed the members of COCI and guests to the annual meeting in Istanbul. He was especially pleased to see the Young Observers (YO) who had such an important role to play in the Istanbul General Assembly.

3. Minutes and Agenda

The Minutes of the COCI meeting held in Toronto on June 2nd 2012 were approved as drafted. There were no matters arising that were not covered in the Istanbul agenda.

4. Membership for 2014-15

MD noted the potentially disruptive changes in membership for the next biennium with 7 of the 8 current Titular Members reaching the end of their terms of service, together with others who had served the committee in recent years. MD wanted to thank everyone leaving the committee for their contributions. He encouraged them to continue to work on COCI projects to which they are committed. MD also thanked Esmâ Toprak for all her work in organising events for COCI in her home town, Istanbul.

The extent of the change can be seen on the see attached 2012-13 membership roster where those completing their terms are highlighted in blue. Also attached is the 2014-15 roster and MD was pleased that BW and CR were able to continue as Chairman and Secretary to guide COCI through the next biennium, a biennium of transition. Both BW and CR complete their service at the end of 2015 so further change will impact COCI in 2016-17.

Members noted the small number of National Representatives for the next biennium and CH was asked to raise this with the Secretariat to ask them to highlight the potential openings to the NAOs;
ACTION: CH.

MD was only able to show the Division delegates for 2012-13 and the Divisional Roster of 2014-15 was yet to be completed **ACTION: MD.**

Summarizing MD emphasised that the key issue was the continuation of COCI's core work and signature projects. The objectives for the meeting were to ensure not only continuity but also a review of programmes such as the Safety Training Programme and the Company Associates Programme. He also hoped that new project opportunities would arise from the input of the YOs.

5. Budget

MD reviewed the current healthy budget status (slide attached). He emphasised that the bulk of expenditure is for the Safety Training Programme (STP) and the STP workshop at the GA/Congress, and for the rolling programme of regional workshops. There would be significant cost associated with the Istanbul meetings. We agreed that the budget position should be reviewed in the autumn **ACTION: MD to organise budget hand-over to the incoming officers.**

The action to close the Basel fund remained outstanding. **ACTION: MD to close the Basel Fund.**

6. World Chemistry Leadership Meeting (WCLM) Istanbul

The meeting was organised by COCI chairman MD to give a platform for the YOs, probably better seen as Young Leaders, to address the core questions:

- How can chemistry address society's need more fully, as seen both from national and international perspectives?
- What should IUPAC do differently?

The YOs were briefed at the start of the General Assembly to prepare before the WCLM:

- to build their understanding of what IUPAC actually does and how.
- to note what surprised them.
- to consider a background reading list
- to make the fullest use of social media to network amongst those in Istanbul and their wider circles of acquaintances

On the day of the WCLM the YOs had the opportunity to work in smaller groups to prepare for contributions to the afternoon plenary of GA delegates. The output was to be captured in a published write-up with the key points for consideration in the strategic review of IUPAC to be undertaken during 2014.

The feedback from the YOs was positive and some felt that the important role had been underplayed in the invitations to NAOs to send YOs. They were keen to be involved in the follow-work/projects IUPAC may undertake on international policy relating to sustainable development **ACTION: MD/Organising Committee to ensure YO contribution to the report and follow-up.**

7. Regional Workshops Programme

MD reviewed the programme of regional workshop up to and including the Great Lakes Workshop held in Toronto in June 2012. They provide an important link to industry and enable industry issues to be considered; the "A" in IUPAC. A presentation was given of a Japan Company Associates (CA) meeting in Tokyo in November 2012 and the Japan CA Committee's participation in the Annual Meeting of the Chemical Society of Japan, which further underlined the value of active links between industry and the chemistry community.

It was agreed that the outcomes from Toronto workshop should be fed into the IUPAC Strategic Review **ACTION: BW/CR/CH.**

It was also agreed that the Regional Workshops project should continue and possible venues were discussed:

- Nairobi, Kenya in association with UNEP with possible help from the RSC Pan African Network and Professor Abegas
- Eastern Europe maybe linked to the 2014 Thales-Nano Prize
- Kazan where MD was visiting in the autumn
- Korea limited to the Busan General Assembly

The action was to all members to bring forward one page proposals for themes, venues, local logistics and availability of local funding **ACTION: all COCI members.**

It was agreed that a new Regional Workshop project should be submitted by the new COCI team early in 2014 possibly linked to the revitalisation of the Company Associate Programme **ACTION: BW.**

8. ThalesNano Prize

The first recipient of the ThalesNano prize in Flow Chemistry was Klaus F Jensen. This was awarded in March 2012. The second award is scheduled for presentation at IMRET13 in Budapest in June 2-25 2014 **ACTION: JF/BW/MD to organise.**

COCI members were again encouraged to consider other possible IUPAC awards for industrial chemistry for consideration by IUPAC, **ACTION: All COCI members**

9. Health, Safety and Environment Programme

BW reviewed the Safety Training Programme (STP) and the STP Workshop to be held the following day. The Workshop included speakers on HSE around the world, with a specific report on catastrophic accidents in the light of the recent oil train explosion in Canada, and a report from Kuwait. This was to be followed by reports from STP graduates on progress of their projects in their home countries.

The focus of the Istanbul workshop was the next phase of STP and how to promote it, as it was clear that the value of the programme was not fully appreciated in IUPAC. The planning session was intended to address:

- the on-going need for suitable host companies,
- areas of the non-English speaking world yet to be reached,
- the opportunity to re-engage with UNESCO and possibility UNIDO,
- exploiting the opportunities for funding through CRDF
- succession planning for the project team

The workshop will be recorded separately.

BW noted the positive feedback from both trainees and the trainers at Dow in the Netherlands.

10. NGO/IGO/Trade Associations Programme

MD reviewed the work to date noting the close alignment of IUPAC and ICCA objectives. It was agreed that there is value in seeking ICCA input to the IUPAC strategy review **ACTION: CH.**

COCI has a role in facilitating recognition of IUPAC by IGOs through its focus on applied chemistry. It does this together with CHEMRAWN and the Divisions VI & VII for the Environment and for Health. Considering how this work should be focussed in the future and identifying practical *modus operandi*, should be considered by the incoming COCI team **ACTION: BW.**

11. Company Associates Programme

A key part of the COCI responsibilities is to enhance interactions with industries and it was agreed that a fresh look at CA programme is urgently needed. In many countries the programme is in decline although it continues to be well organised in Japan and we have seen new interest in Russia

and Kuwait largely through the hard work of AP and KD. DE was very critical of the current processes, split accountabilities and fees all of which he described convincingly as perverse. He felt it was very important that a new scheme is developed with accountability for the relationship, fees and benefits lying with COCI. He felt that subscription fees needed to be meaningful and scalable with an objective for the scheme to be self-funding. A focus is needed on benefits that are gained only through CA membership.

The later point led to some discussion of new IUPAC work of value industry. Examples include proposals for a digital IUPAC. These build on the InChI experience translating IUPAC standards and nomenclature into computer readable code that would have the potential to revolutionize data and knowledge acquisition for product and process innovation.

The importance of a vibrant CA Programme was agreed as a priority for the incoming COCI Team
ACTION: BW.

12. Projects

a) Life Cycle Analysis (LCA)

DE noted that there was still no future actions output from the CHEMRAWN on Biofuels held in Malaysia in 2011. The objective was to bring objectivity to claims of sustainability benefit for biofuels and LCA would be part of this.

The importance of LCA was recognised by COCI but it is complex. Some standards already exist i.e. ISO and DIN, and some companies even have made their own approaches commercially available (BASF). It is not an area of traditional interest to research chemists however. In practice questions can be raised about the rigour, standards and objectivity of the approaches, something traditionally regarded as an IUPAC strength. Division VI Environment is keen to work in the area and there is probably value in exploring options jointly with them as a topic for the new COCI team
ACTION BW.

b) Responsible Care

The educational monograph should be published before the end of 2013 and consideration is needed on book distribution/availability/cost etc. **ACTION BW/MD**

c) Public Appreciation of Science

DE explained that this is an area for which the Committee on Chemistry Education CCE have the lead but something with COCI should support and help gain industry participation. The experience is that most successful activities are national. IUPAC should therefore focus on international themes such as scientific method, the potential of new media/ Wikipedia, and its role as an international NGO for chemistry. DE felt that key issue was the need for a communications strategy for IUPAC focused on new media and meaningful activities for young people (global experiments). **ACTION: CH to raise as part of the IUPAC strategy review.**

13. AOB

It was agreed that a handover meeting should be scheduled for the incoming and outgoing officers

in the autumn 2013 **ACTION: MD/BW**

Signed:

Michael Droscher
Chairman COCI

Date:.....

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COCI membership 2012-2013

Name	Status	Term	NAO
Dr. Michael J. Dröscher	TM-Chair	2010-2013	Germany
Mr. Colin J. Humphris	TM-Secretary	2010-2013	UK
Ms. Khalidah M. Al-Dalama	TM	2012-2013	Kuwait
Dr. Aldo Bologna Alles	TM	2012-2013	Uruguay
Mr. Xianghong Cao	TM	2012-2013	China/Beijing
Dr. David A. Evans	TM	2010-2013	UK
Dr. Hideyuki Ishida	TM	2010-2013	Japan
Dr. János Fischer	TM	2012-2015	Hungary
Dr. Daniel Bernard	AM	2012-2013	France
Dr. Veronica Cruz	AM	2010-2013	Puerto Rico
Dr. Nedyalko T. Popov	AM	2010-2013	Bulgaria
Dr. Alexandre Pokrovsky	AM	2012-2013	Russia
Ms. Esmâ Toprak	AM	2010-2013	Turkey
Dr. Bernard West	AM	2010-2013	Canada
Dr. Paul Baekelmans	NR	2010-2013	Belgium
Dr. Chang-Hyun Choi	NR	2010-2013	Korea
Dr. Igor G. Kukushkin	NR	2012-2015	Russia
Prof. Jaques Desbrieres	NR	2012-2015	France
Dr. Barbara Pohl	NR	2010-2013	Germany
Dr. Carolyn Ribes	NR	2010-2013	USA
Prof. Elio Santacesaria	NR	2010-2013	Italy
Prof. John Dymond	Div. I Rep.		UK
Dr. Markku Leskelä	Div. II Rep.		Finland
Prof. Janine Cossy	Div. III Rep.		France
Dr. William Work	Div. IV Rep.		USA
Dr. Zoltan Mester	Div. V Rep.		Canada
Dr. Keiji Tanaka	Div. VI Rep.		Japan
Dr. Tom Perun	Div. VII Rep.		USA
Prof. Gerry Moss	Div. VIII Rep.		UK
Prof. Chiu, Mei-Hung	CCE Rep		Canada
Prof. Leiv Sydnæs	CHEMRAWN Rep		Nordic Countries

[COCI members ending terms](#)

COCI membership 2014-2015

Name	Status	Term	NAO
Dr. Bernard West	Chair	2014-2015	Canada
Dr. Carolyn Ribes	Secretary	2014-2015	USA
Dr. Janos Fischer	TM	2012-2015	Hungary
Prof. Kan-Nan Chen	TM	2014-2017	China/Taipei
Dr. Véronica Cruz	TM	2014-2017	Puerto Rico
Dr. Anthony B. Handley	TM	2014-2017	UK
Prof. Kazuhiko Ishikiriama	TM	2014-2017	Japan
Dr. Igor G. Kukushkin	TM	2014-2017	Russia
Dr. Daniel Bernard	AM	2014-2015	France
Dr. Zaiku Xie	AM	2014-2017	China/Beijing
Dr. Paul Baekelmans	AM	2014-2017	Belgium
Dr. Chang-Hyun Choi	AM	2014-2017	Korea
Prof. Jacques Desbriers	NR	2014-2015	France
Mr. Nabil Ishmael	NR	2014-2017	Jordan
Mr. Robert J. Audette	NR	2014-2017	Canada
Mr. Bo Olsen	NR	2014-2017	Sweden

**Budget COCI
COCI projects**

		actual	budget	(under)	
COCI					
2004-032-1-022	Cesa	7,866	9,931	(2,065)	31-Mar-2013
2006-030-1-022	Droescher	11,921	12,000	(79)	Completed
2008-038-1-022	Ishitani	18,190	18,190		Completed
2011-004-2-022	Cesa	14,116	14,100	16	Completed
2011-020-1-022	West	5,175	6,000	(825)	31-Dec-2013
2011-042-1-022	Letcher	5,000	5,000		completed
2012-015-1-022	Great Lakes	6,800	10,033	(3,173)	31-Dec-2013
2013-011-1-022	STP Istanbul		14780	(14780)	31-Dec-2014
Basel Fund		2,787	2,946	(159)	

COCI Budget 2012/13

	actual	budget	(under)
Commitments	15,000	20,000	(5,000)
Operation	14,277	22,000	(7,723)