



## COCI Meeting

### Metropolitan Hotel, Toronto June 2<sup>nd</sup> 2012

#### 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
Dr. János Fischer (JF)	Titular Member	Hungary
Bernard West (BW)	Associate Member	Canada
Esma Toprak (ET)	Associate Member	Turkey
Alex Pokrovsky (AP)	Associate Member	Russia
Carolyn Ribes (CR)	National Representative	USA

#### Guests

Mark Cesa (MC)	IUPAC Vice President	USA
Rene Deplanque (RD)	IUPAC Secretary General	Germany (part time)
Sean Corish (SC)	IUPAC Treasurer	Ireland
Doug Templeton (DT)	Division VII President	Canada (part time)
Fabienne Meyers (FM)	IUPAC Secretariat	USA
Harald Feldhoff	Ontario Ministry of Economic Development and Innovation	Canada (part time)

Apologies were received from:

Aldo Bologna Alles (AA)	Titular Member	Uruguay
Xianghong Cao	Titular Member	China
Daniel Bernard	Associate Member	France
Veronica Cruz	Associate Member	Puerto Rico
Nedyalko T. Popov	Associate Member	Bulgaria
Paul Baekelmans	National Representative	Belgium
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 to the annual meeting which followed the Great Lakes

regional workshop held in Toronto. MD thanked BW and CR for organising a very successful workshop.

MD also welcomed the guests from IUPAC MC, RD, SC, DT and FM, as their input would help place COCI deliberations in a broader IUPAC context.

### **3. Minutes and Agenda**

The Minutes of the COCI meeting held on July 31<sup>st</sup> at the San Juan General Assembly were approved as drafted and there were no matters arising which were not covered in the Toronto agenda.

### **4. Membership (see attached 2012-13 membership roster)**

MD noted that there will be a need for careful succession planning of responsibilities within COCI for the next biennium due to a significant number of members finishing their terms. MD will complete his term as Chairman but can remain as TM for a further two years. CH, AA, DE and AP will all have completed their full terms and will be ineligible as COCI members.

For the elections in 2013, MD will set up an election committee comprising himself, CH and a Division representative **ACTION: MD to set up COCI Election Committee.** Existing COCI members who are eligible for 2014/15 will remain on the committee unless they express a wish to stand down.

A notice for forthcoming IUPAC elections for 2014/15 was posted in CI and formal requests for nominations to Divisions and Divisional Committees sent in May to NAOs from the IUPAC Secretariat. Awareness of the nomination process among COCI members was low and all were encouraged to liaise with their NAO to raise interest given the very short timescales. We also agreed that it would be valuable for COCI members to also alert their Company Associates, **ACTION: all COCI members.** CH was actioned to ask the Secretariat if CAs could be copied with the formal invitation for nominations to the Standing Committees including COCI, **ACTION: CH to raise with Secretariat.**

Divisional Representatives to COCI for 2014/15 will be reviewed with the Division Presidents once Division elections are complete by the Istanbul GA.

### **5. Budget (slide attached)**

MD reviewed the current healthy budget status. 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. The Great Lakes workshop attracted sponsorship was \$10k freeing COCI project funds for future workshops. MD agreed to close the existing workshop projects which have a completion date of June 30<sup>th</sup> 2012. He also agreed to close the residual Basel Fund which was a legacy from pre-COCI budget days. **ACTION: MD to formally close projects completing on June 30<sup>th</sup> and the Basel Fund.**

MD will also arrange for forms for members claims to the Toronto meetings, **ACTION: MD to ask the Secretariat to provide suitable claim forms.**

### **6. Great Lakes Regional Workshop**

There was unanimous agreement that the Great Lakes Regional workshop was very successful with good participation from local industry including SMEs and the Ontario Ministry of Economic Development and Innovation, who provided the venue. The theme of green chemistry helped a focus on the relevant important local initiatives based on biological feed stocks and energy. The meeting provided an excellent insight into the challenges faced by industry in the region and also enabled a constructive debate on the ways IUPAC could contribute to these.

The meeting highlighted the value of attracting presentations and attendance from those in industry deeply involved in the important local development issues. Personal contacts were very important to achieve this.

The meeting agreed that those organisations who sponsored the regional workshop should be granted CA status, **ACTION: MD to raise CA membership for the sponsors of the Toronto workshop with the Secretariat.**

The next step was for a meeting record to be written based on the notes taken by CR. The report will be posted on the COCI bulletin board together with presentations. The report should form the basis of an article in CI. **ACTION: Workshop Organising Committee to prepare and post the report. ACTION: BW to check our freedom to use the presentations publically with the speakers.**

A number of important messages for IUPAC in support of industry emerged during the workshop. The theme of public promotion of chemistry, as exemplified during the International Year of Chemistry, was highlighted as an ongoing role for IUPAC. A specific emphasis was recommended relating to chemistry careers around the world to help students see how they could contribute to the challenges facing the world and their countries. Help was also highlighted in the area of sustainability metrics, and in particular Life Cycle Analysis, to ensure objectivity in policy decision making. This was seen as part of the role of IUPAC as a NGO for chemistry and the need for chemistry to have a say in policy considerations when appropriate.

This led to a COCI discussion on the importance of IUPAC to have the appropriate recognition i.e. NGO status in the key International Agencies, such as the IUPAC status within SAICM and with OPCW. This is an important strategic issue for consideration by the Bureau and Executive Committee – when and when not to seek this status given the priorities of the Union, the resource implications and consideration of the processes needed to gain support at national level for any application. **ACTION: recommendation to MC to promote the strategic importance of NGO status to the Bureau and Council.** There was some uncertainty of the status of IUPAC at the UN (General Assembly), **ACTION: MC to check IUPAC status at UN.** There was strong support for independent NGO status at UNESCO to facilitate follow up of the IYC legacy i.e. independent of ICSU. **ACTION: AP to prepare a short note on the process for UNESCO recognition for RD.**

The meeting discussed future regional workshops.

In Istanbul, KA proposed a Middle East/ Eastern Mediterranean petro-chemicals symposium as part of the technical programme of the Congress. This was supported:

- **ACTION: ET to see if this could be included within the Congress.**
- **ACTION: a work group of MD, KA, ET, AP to consider the options for organising/ sponsorship of a one day symposium, including participation of countries such as Iraq, Libya, Southern Sudan.**

For 2014 COCI members were invited to make proposals for the next in the series of regional conferences; proposing where to hold this, the important local theme(s), likely costs and

sponsorship options. A number of possible locations were suggested including Kazan, Kuwait, India, Budapest, China, Singapore, and Thailand. **ACTION: MD to seek proposals from COCI members to include place, topic and how it might be funded.**

Separately AP suggested that we consider opportunities at other major chemistry congresses such as the Singapore Asian Chemical Congress or a Mendeleev Conference. These normally attract significant industry funding and might be approached in cooperation with CHEMRAWN, **ACTION: proposals are invited from COCI members.**

## **7. IYC – Follow up of 2011 WCLM & Global Water Experiment**

Following the WCLM a written contribution was prepared and sent to ICSU. In addition a congratulatory letter from IUPAC was sent to the President of ICSU. In discussion the possibility of both the paper and the letter being available on the IUPAC Website was raised, **ACTION: CH to raise with the Secretariat.**

RD will go to the science forum preceding Rio+20 to represent IUPAC.

The Dow initiative “Future we create” was welcomed as an example of what can be achieved using modern media. COCI members felt this was something IUPAC should consider in the future and that IUPAC needs to be alive to other opportunities for this type of online debate.

The experience of the global Water Experiment was discussed highlighting the importance of national engagement given the low levels of participation observed in some countries during 2011. COCI supported consideration of future experiments as an excellent way of engaging young people in chemistry and recommended that IUPAC builds on the experience in 2011. The meeting noted that the Bureau has established a work group to consider future options and members were keen to support this, **ACTION: COCI members encouraged to recommend scientific experiments they consider could be suitable for future global activities to CH.**

For the WCLM 2013, COCI has been invited to propose themes or approaches. A preference was expressed for a meeting involving young chemists from around the world to discuss the future role and priorities for chemistry based on the Congress theme of clean energy i.e. Young Participants rather than Observers:

- **ACTION: MD & MC to shape a proposal for WCLM for young contributors for the IUPAC President.**
- **ACTION: CH to check the status for the IUPAC Young Observers programme for Istanbul.**
- **ACTION: COCI members to consider national and regional young persons nominations for WCLM and to engage their NAO if the proposal is accepted.**

Discussion of the WCLM led to a number questions about the scheduling of the GA, the Division and Standing Committee, and the Council meetings which those present were unable to resolve, **ACTION: CH to obtain the GA schedule from the Secretariat.**

## **8. ThalesNano Prize**

The new ThalesNano prize was presented for the first time in Munich on March 13<sup>th</sup> 2012, just 11 months after it was proposed, building on experience of the Richter Prize. The prize of \$10,000 will be awarded to leading scientists in flow chemistry every 2 years. \$7500 will be awarded as the prize with \$2500 to cover costs to attend the award ceremony. Prize winner Klaus Jensen MIT had just 2 weeks notice of prize winning ceremony and the Secretariat were thanked for their help in

organising his attendance. He was selected from four nominations which was considered a good response to a new prize. The runners up were not named publically to leave open opportunity for them to enter next time.

There was excellent engagement with ThalesNano who were both very generous and provided helpful feedback for future awards. The call for nominations will be earlier for 2014 and a declaration of the reason for the award will be included on the plaque for future awards. This was not possible given the timescales for the first award, **ACTION MD to ensure the winner's plaque shows a short declaration of the reason for the award.**

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

## **9. Safety Training Programme**

MD outlined a new partnership offering additional help to STP. The Chemical Security and Engagement Programme of CRDF (US State Department) will help with funding and finding host companies for trainees from their priority countries. They have already issued a press release calling for host companies. MD emphasised that this support was an addition to STP, which is limited to countries of interest to the State Department and which broadened the scope of STP to Responsible Care and Security. COCI members were keen to understand which countries might benefit **ACTION: BW to share list of countries that can be helped.**

The meeting also noted the similarity to new interests in OPCW (Organisation for the Prohibition of Chemical Weapons) **ACTION BW: to check OPCW interests through Leiv Sydnes.**

There was also strong interest in other related safety training programmes such as the basic training for the Chemical Industry and service companies in Sarnia Ontario, which could ease the pre-training load on host companies, **ACTION BW to evaluate options and fit with STP.**

COCI felt that it was important that we build on these opportunities whilst making it clear that IUPAC is open to related proposals from all countries, **ACTION: BW/FM to ensure that in any announcement of the CRDF programme, IUPAC makes an open invitation to other national, regional or global sponsors.**

The meeting was very pleased to note that Dow was willing to take to take two STP trainees in the autumn 2012 in Europe, **ACTION: BW to share vetted list of potential STP trainees and industrial guidelines with CR (Dow).**

The STP team for the current biennium is BW ET and AA, and they will organise the STP workshop in Istanbul. New projects will be required for this and the new trainee activities, **ACTION: BW to set up relevant new STP projects.**

DE mentioned a relevant safety film developed by SUSCHEM, **ACTION: DE to provide link to the SUSCHEM film for BW.**

## **10. Trade Associations Programme**

The next phase of the Trade Associations Programme will focus on building on the legacy of the new industrial relationships that developed during IYC. The next step is as part of a project led by Bryan Henry which will review the lasting outcomes of IYC. CH is a member of the project team and CH will lead on industrial aspects. The project proposal highlights a number of questions

/discussion themes for which IUPAC will seek feedback, both positive and negative. CH was keen to involve all COCI members and CA's, **ACTION: CH to circulate the project proposal to COCI Members to enable them to seek feedback from their industry contacts, CA's etc.**

Some feedback has already been provided to sponsors and COCI members need to be aware of this, **ACTION: CH to check with Secretariat.**

## **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.

The CA programme continues to be well organised in Japan who hold an annual meeting with CA's. IUPAC Division 1 recently held a symposium in Japan linked to CA's interests, which gained their support and sponsorship.

Unfortunately Japan is the exception not the rule. The current programme is more typically about individuals within companies rather than companies per se and it has proved difficult to ensure all paying associates and those awarded temporary status are properly recognised. The IUPAC listing of CAs is incomplete. There is apparently overlap with the IUPAC Affiliates programme and for some countries concern may exist with the basic concept of individual memberships within an international union of national institutions. Responsibilities for CAs are split between NAOs, who are responsible for recruitment and collect the bulk of the fee, and COCI responsible for support. Most NAO's are uninterested. The CA programme does provide some help to NAOs to pay their IUPAC subscriptions, but it is insignificant as a programme of industrial financial support for IUPAC. The fees are far too low for many companies to believe the CA programme has any importance.

MC agreed to lead a CA review supported by COCI given the strategic importance to IUPAC, **ACTION: DE to dust off previous COCI CA proposals and MC to lead a workgroup comprising MD, HI, KA, CR.**

## **12. Projects**

### a) Life Cycle Analysis

DE reported on the CHEMRAWN on Biofuels held in Malaysia in 2011. The objective was to bring objectivity to claims of sustainability benefit for biofuels. LCA would be part of this. It was an excellent meeting but lacks a future actions plan, **ACTION: SC to raise the Bio-fuels future actions committee at the forthcoming CHEMRAWN Meeting.**

The importance of LCA was recognised by COCI and it was raised during the regional workshop. It is complex. Some standards already exist i.e. ISO and DIN, and companies even have approaches commercially available (BASF). In practice however questions can be raised about the rigour, standards and objectivity of the approaches, something traditionally regarded as an IUPAC strength, **ACTION: BW/DE to make a proposal for a project to make this as a major thrust/ priority area for IUPAC**

### b) Responsible Care

Two papers have been written covering the history of Responsible Care and a negative case showing highlighting the need for good product stewardship processes. A write-up of a workshop McMaster students based of these is also available.

A publisher has also approached IUPAC expressing an interest in publishing his work with a royalty payable to IUPAC. No conflicts of interest were foreseen – the original intention was to publish in a journal.

A further case study of the positive benefits of Responsible Care related to sulphuric acid is being completed, hopefully in time for inclusion in the monograph.

### c) Public Appreciation of Science

DE explained that this is an area for which the Committee on Chemistry Education CCE have the lead. Part of the difficulty for an international organisation is that the messages have to be tailored to the needs of the audience. There are big national differences and in reality the NAOs should take the lead. Public understanding of science is heavily influenced by local political and religious beliefs and values which may be at variance with the evidence base. NGOs can and do have a large influence.

DE referenced a number of CI articles he has written on the topic and the guidance pack he produced for chemists speaking in public. He has written an article on why single interest NGOs can be so influential which should be published shortly.

DE strongly recommended that IUPAC takes steps to increase its influence as a matter of high strategic importance:

- Extending work with Wikipedia as a first port of call for many with chemistry interest. Polymer Division (IV) has a project underway and Chemistry and Health Division (VII) are initiating activity. Links to IUPAC nomenclature, definitions and publications will be invaluable in raising the public profile of IUPAC,
- IUPAC should embrace the information media used by young people,
- IUPAC should focus on issues of importance to young people e.g. career possibilities for chemists around the world,
- IUPAC should continue to engage in global participative activities such as the Global Water Experiment,
- IUPAC should embrace the role as an accredited scientific NGO with the key international institutions,
- IUPAC should focus on the critical importance of sound scientific method,
- IUPAC should boost Secretariat resources to manage the public interface e.g. a press officer, and to provide assistance to the smaller NAOs.

**ACTION: For consideration by the Bureau/Executive Committee and inclusion in the next COCI meeting agenda.**

### 13. AOB

The next meeting was agreed for Istanbul during the GA. MD will explore possibilities for a limited planning meeting based around the April 2013 Bureau meeting depending on the location,

**ACTION: MD to consider options for a COCI planning meeting prior to Istanbul.**

COCI members noted that the IUPAC teleconferencing facility was closed due to high cost. SKYPE is recommended as an alternative, **ACTION: SC to circulate information on setting up teleconferencing on SKYPE.**

Harald Feldhoff thanked IUPAC for the opportunity to observe the COCI meeting and expressed interest in the Speaker Pack for chemists **ACTION: DE to provide to HF.**

Signed: .....

**Michael Droscher**  
**Chairman COCI**

Date:.....

### COCI membership 2012-2013

<b>Name</b>	<b>Status</b>	<b>Term</b>	<b>NAO</b>
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

**Budget COCI**  
**COCI projects**

		<b>actual</b>	<b>budget</b>	<b>(under)</b>	
COCI					
2004-032-1-022	Cesa	7,365	9,931	(2,566)	31-Dec-2012
2006-030-1-022	Droescher	7,594	12,000	(4,406)	30-Jun-2012
2008-038-1-022	Ishitani	8,831	18,190	(9,359)	30-Jun-2012
2011-004-2-022	Cesa	14,116	14,100	16	31-Mar-2012
2011-020-1-022	West	5,175	6,000	(825)	31-Dec-2013
2011-042-1-022	Letcher	0	5,000	(5,000)	30-Jun-2013
2012-015-1-022	Great Lakes	160	10,033	(9,873)	31-Dec-2013
Basel Fund		2,787	2,946	(159)	

**COCI Budget 2012/13**

	<b>actual</b>	<b>budget</b>	<b>(under)</b>
Commitments		20,000	(20000)
Operation	3000	22,000	(19000)