



Chair Dr. Bernard West

COCI TM Planning Meeting, Coimbra, Portugal.
Tryp Hotel, Coimbra.

Agenda

SUNDAY APRIL 13th

Participants for all or part of the meeting:

Dr. Bernard West, Dr. Carolyn Ribes, Dr. Janos Fischer, Dr. Bryan Hanley, Mr. Colin Humphris, Prof. Tatsumi Kazuyuki, Prof. Chris Brett.

Titular Members not present:

Prof. Kan-Nan Chen, Dr. Veronica Cruz, Prof. Kazuhiko Ishikiriya, Dr. Igor Kukushkin.

13.30 I ORIENTATION TO IUPAC AND COCI.

13:30 **1. Introductions [BW]**

13:35 **2. Review of minutes Paris Planning meeting [CR]**

Objective: Feedback on discussion of priorities

The past and current Chairs /Secretaries met in Paris to review plans and priorities. Priorities as reported in the notes from the Paris meeting:

- Industry and IUPAC: To be done in three phases: VOC, assessment, recommendations.
- EH&S: Safety Training Program and Responsible Care
- Regional Workshop
- ThalesNano prize

In the past, COCI members had led the World Chemistry Leadership Meeting (WCLM) at the biennial General Assembly (GA). We won't drive that this time (but we are willing to collaborate). Past COCI members can provide background on how they did this. There are other activities that we'll keep on the back burner until we complete our main objectives.

13:45 **3. The membership, structure and functions of COCI: 2014 – 2015 [BW]**

COCI is a standing committee, one of several in IUPAC. COCI mandate is to provide the linkage between IUPAC and the chemical industry. Most members have some industrial experience. The terms of reference were distributed with the agenda.

Terms of Reference

1. To advise the President and Executive Committee of the potential impact on IUPAC programs of trends and developments in the international chemical industries, including pharmaceutical,

agrochemical and related industries. Also, to advise on options and actions by which IUPAC could become more attractive to increased participation by scientists in industry.

2. In collaboration with National Adhering Organizations, to develop and maintain an active program to recruit, guide and inform Company Associates on IUPAC programs and policies. To convey to IUPAC management at all levels relevant information from Company Associates that may assist in developing IUPAC programs and projects.

3. To develop liaisons with (a) national and international associations that represent industries based on the chemical sciences; (b) national and regional chemical societies; and (c) international bodies such as UNESCO and UNIDO.

4. In cooperation with other IUPAC bodies, to initiate and maintain a portfolio of projects with implications for industry and to help develop good relations between IUPAC and industry. To advise IUPAC bodies on the potential for participation and/or funding of relevant projects by industry and to coordinate overtures to industry on such funding.

Structure:

In addition to Chair and Secretary, we have 6 titular members (“TM”), several Associate Members (“AM”) and National Representatives (“NR”). It would be helpful to have the description of these roles. Since the expenses for TM to participate in meetings, they are expected to lead the project and activities and to be active within COCI. National Representatives may be appointed by the NAO (National Adhering Organization) of countries that have more than 2 Company Associates. AM and NR are not funded, but they may participate on projects that have funds for travel. Still have some open spots on the roster for AM, NR. We’ve added someone from NL as AM, and a NR from Russia since the roster was initially proposed.

A critical issue this year is the need to be sure to engage new members, there was a lot of turn-over this biennium. We do need to get feedback from all the TM and AM, even if they are not able to attend this meeting.

Should we ask to have a change made in the letter sent to NAO asking for nominees for TM and AM that are industrial chemists? We may also want to review the requirement for creating national representatives (currently need 2 CA members from a country to have a NR). Also need to ask that nominations include the contact information for the nominee. The overall nomination process is being reviewed by the Bureau. [action item]

Non-COCI members can be engaged in projects of the committee.

Normally, COCI has an annual meeting one year and the following has an annual meeting at the General Assembly. Recently, we have combined the annual meeting with a regional workshop or safety training workshop, to achieve more with our time together.

14.00 4. Budget and Finances [BW, CR]

Objective: Report on status of operating and project budgets

Most recent report from IUPAC (March 28, 2014) includes these COCI projects:

Through 28 March 2014	Actual	Budget	Budget/ Over (Under)	% of Budget	Planned End Date
-----------------------	--------	--------	----------------------------	----------------	---------------------

COCI					
2012-015-1-022 COCI Great Lakes	6,860	10,033	(3,173)	68%	31-Dec-2013
2013-002-2-022 Ribes	5,778	7,000	(1,222)	83%	31-Dec-2013
2013-011-2-022 West	9,399	14,780	(5,381)	64%	31-Oct-2014
2013-033-1-022 Letcher	4,000	4,000	-	100%	31-Dec-2014
2014-005-1-022 West	-	6,000	(6,000)	-	31-Dec-2014

COCI Budget 2014/2015	budget
Commitments	20,000 (5,000)
Operation	17,000 (7,723)
Total \$37,000 budget for biennial	

The committee operations include travel for our annual meeting. Projects could be initiated by the committee itself or submitted to us. Of our open projects, we have a couple with a bit of money left over (Ribes: Women in Chemistry; COCI Great Lakes Regional Workshop, West: Safety Training program). If money is not spent, it reverts to IUPAC. The 2014-005-1-022 West program is an income stream. They pay us \$2000/yr to work with administrative side of the STP. This could include identifying candidates, as well as a STP workshop in Korea, (for example).

Several years ago, someone would review the list of projects to identify which projects could be of interest with industry. We could do that – rely on the Division representatives to point these out to us. (Do we have people to drive this? What is the benefit?). No decision was made at this time.

14.15 II REVIEW OF MAIN ACTIVITIES IN 2012-2013 BIENNIUM

14.15 5. Review of report and Presentation to BUREAU and Report on Bureau meeting [BW]

[see attached draft report submitted to Bureau]

Objective: Assess results of programs and activities along with resources available.

Discussion: Meeting was very good with broad participation and the discussion covered a lot of topics in past 2 days. A major issue: at this time, IUPAC has no Executive Director, no Secretary-General, and no computer/webmaster, and the income stream from publications has been decreasing. Colin Humphris was voted to be the Acting Secretary-General by the Bureau (until the next Council meeting). A group is looking at the website to identify the vision as well as needed patches; working with contractors to establish this capability at this time.

Vice-President Tarasova is writing a critical assessment and presented her preliminary report. This feeds into the IUPAC strategic planning process, which is actively under development. The final plan will be presented at Council in 2015 in Korea.

Project committee felt that things are going well, even though they have less money to allocate. They focus on projects that exceed the capacity of Divisions or Committees. Expect more prioritization of projects – and updated term of references.

Bernard presented the Bureau our plans to explore IUPAC's relationship with industry and CA program.

14.45 III PLANS FOR COCI MEETINGS IN 2014-2015 BIENNIUM [BW,CR]

6. Objective: Discuss and agree on meeting times and places within resource available.

- A. Annual Meeting and project planning meeting Fall 2014 site to be determined. [Mid-October 2014?] This would include all the COCI members, and have a project meeting adjacent to this.
 - o UK is a good option: can RSC provide facilities? Colin to ask. Suggest a weekend sometime between Oct 24-Nov 15). If not London, someplace in UK south of London (more affordable). (not Nov 5, 6)
- B. Annual Meeting and Safety Training Program Workshop 2015 Korea – part of GA.
- C. Handover Meeting out-going and incoming Chair and Secretary December 2015, site to be defined, since it will depend on the participants.
- D. Regional Workshop Meeting, decide if we have the resources to create a Workshop. Isn't clear that we do have the resources for this right now. But we can keep our eyes open for opportunities. Locations that were discussed in the past include Korea (right before the WCC/GA) and Eastern Europe.

15.45 IIII PLANS FOR PROJECTS AND ACTIVITIES.

PRIORITY PROJECTS / ACTIVITIES.

7. NAO/CA Program [All]

Objective: Develop plan for three projects. Attached is the project rationale and a first draft of the first phase of the project.

Bryan Hanley and David Evans agreed to lead this effort.

Discussion: Start at the level of IUPAC relationship with Industry. VOC has to be filled out by a person, they can respond as an individual or on behalf of company. "Customers" includes NAO, CA, Divisions, Bureau, and other IUPAC groups.

Bryan and David will be discussing this in April. Need to start with the objective – what should the relationship between industry and IUPAC look like? What is the benefit of interactions, what value could be realized? How would each side gain value – what components are you looking for – and why? What can IUPAC bring that other organizations can't deliver? What can industry bring to IUPAC? Need to ask probing questions. The purpose of this is to explore where IUPAC can go, not to feel limited by what we have done in the past. Should this be a unidirectional or bidirectional interaction?

We can segment the customers into groups (from IUPAC, from industry, etc.) and ask them different questions. We can also look at other business models (ILSI) for ideas. If we have CA, what do we want out of the program? Why do we want them and what would we do with them? Don't include anything on the mechanics or structure of the CA program in the survey, focus more on purpose and benefits. The project submission form needs to be updated – (remove early references to CA program failures, and focus more on need to understand what industry/IUPAC need and want).

Any sponsor of an IUPAC conference will be considered a company associate for 1 year. However, the challenge has been tracking that and following up with the invoices. Conference organizers would have to provide contact information for the invoicing. The price for the second year is \$450. The CA member is the company, rather than a person, and it isn't clear what the company receives.

Would it be better to offer individual membership for industrial chemists (such as the IUPAC affiliate program for individuals)? Easier to provide something specific to individuals (such as Chemistry International, reduced registration rates). We have to offer something to Company Associates, but that's harder to deliver. Need to have a clear difference between a program for the individual and the program for the company.

The purpose of the survey is information gathering – assemble the questions and the audience. The analysis is the biggest piece, and we have to be careful with the survey design so that the analysis is not overwhelming.

Who will be on the team: David and Bryan. Suggested Khalidah, Ishikiriya and Kukushkin, Carolyn Ribes,

Contacts to utilize to help send out surveys across a broad geographic region: past COCI member (Esma, Aldo, etc).

Ask Bonnie Lawlor if IUPAC will have a copy of SurveyMonkey. If she does not intend to purchase it, we will purchase a license. We are going to submit to project committee, and need to get this submitted soon. [action item]

Potential Referees:

Michael Droescher - Germany

Mike Booth – South Africa

Jung-II Jin – Korea

RSC (Clare Viney) or NAS (Kate Hughes)

Target submission by end of April.

8. Health, Safety and Environment Program [BW]

- **Safety Training Program and links with CRDF/CSP.**

- **Responsible Care Book by IUPAC**

Objective: Define leadership, report progress and plans on the Safety Training Program (STP) and RC (Responsible Care) Text Book use.

Fourteen people have been trained by the STP since 2000; someone from Egypt will be trained at Woodbridge in Canada this year. Traditionally, IUPAC paid for the travel and host company paid for accommodations. Starting this year, CRDF is providing the funding for the travel and accommodations. (Should they be a Company Associate? We should ask for total costs to them for tracking purposes). Trainees need to be ready to implement learnings and drive change. CRDF will focus funding on certain countries; if we want to have trainees from other countries, we have to cover costs. We should ask IUPAC Treasurer if UNESCO/UNIDO would be interested in funding some trainees.

STP Workshop for Busan: would need to identify speakers. Make this part of the General Assembly. Will need a project request for funding. Bernard will drive this.

We do have to advertise the benefits of the program and have three things for Chemistry International: Ribes writing a summary of the training at Dow at CI. Also need a summary of the STP workshop in Turkey. Once the training in Canada is completed, that can be documented as well. We could also include a letter from the host companies describing the benefit for the host company employees. Carolyn can provide example from Dow facebook/newsline pages.

Need for host companies is still an issue. Janos will explore this with Richter. Bernard is now the leader of the STP, preferably a TM, to become the co-leader and then the leader in 2 years. Our new AM from Russia (Anna Marakova) may be interested as well.

Responsible Care book: IUPAC invested \$15,000 in this effort, and we need to get a good return on the investment with the impact. This more important than just sales of the book. Bernard is working on pushing it out. He will sell some copies to CCI. There is a Responsible Group Leadership team meeting in October. Perhaps IUPAC could present the book there. Elsevier has a call for papers for a collection on RC. Also consider it for a book review for CI (ask Fabienne to identify a reviewer for CI) (AICHE, CIC, SCI). Other contacts: CIA (UK), NSTA (UK) – setting up a new way to measure societal impacts, CEFIC,

Could CCE review it for the J. Chem. Ed. or include for their meeting in Toronto? Try and get books purchased and delivered to educators and developing world (use organizations to help reach this audience).

9. IUPAC ThalesNano Prize [JF]

Objective: Preparation for the third award sponsored by ThalesNano and future activities

Prof. Steven V. Ley (UK) received the 2014 IUPAC-ThalesNano Prize. The award plaque will include a citation for his accomplishments and will be signed by IUPAC president and ThalesNano president. The presentation will be made at the IMRET conference, June 25 in Budapest. The call for nominees was announced in CI and Jury chaired by Michael Droescher (international jury). 4 nominations were received and recipient announced March 4. This is the second time the prize is awarded, it will also be presented in 2016, 2018 and 2020 according to the present agreement between IUPAC and ThalesNano company.

Since the agreement covers several biennium, we need a clear process/procedure for managing the process. Bernard will work with Janos and Michael to define how we manage the prize.

ACTIVITIES WHERE SUPPORT WILL BE GIVEN AS RESOURCES

PERMIT.

10. NGO/IGO/Trade Associations Program - there could be a project that emerges after the Vice President's critical assessment. She's focused on sustainability boundary conditions for various cycles (biodiversity, nitrogen, carbon). There are some tricky things to define for these discussions (nomenclature!) Vice-President would like to identify a role for IUPAC in this area, would require working with SAICHEM, UNEP, etc. While this wouldn't be COCI owned, the chemical industry will be interested.

11. Life Cycle Analysis BW, DAE

12. Public Appreciation of Chemistry Program - The IUPAC lead for this is CCE. Bernard will attend the CCE meeting in Toronto. Having another global experiment would be of interest (something for international year of soil?)

13. Any other business?

Nothing raised.

17:00 **MEETING SUMMARY AND UP-DATE AGENDA FOR MONDAY.**

Action items:

- CR: Ask Kate for nomination letter for NR.
- CR: ask Brad/Nancy for contact in Jordan.
- CR: Ask Colin and Paul -- if letter to nao probes for industrial chemists for COCI. Ask if they ask for contact information.

- CR: Ask Ram if he has contact information for Veronica, let's be sure have the correct email address. vcruz5@its.jnj.com
- BH: Ask Bonnie Lawlor about survey monkey purchase.
- BW: We should ask IUPAC Treasurer if he can help open doors UNESCO/UNIDO would be interested in funding some trainees.
- BW and CR: Ask the TMs which project they want to be on (STP, survey, etc).
- Bernard to ask Choi to help with the STP workshop in Korea.
- Bernard: ask if Colin can be a speaker at the Responsible Care Leadership Group of ICCA meeting in October. And find out when they meet. Colin to talk about the book.
- Book reviews: Carolyn to ask Linda Wang; Bryan to ask (Chemistry World and SCI),
- Bernard to ask Fabienne to find someone to write a book review for Chemistry International.
- Bernard talk to CICA about getting RC book into ICCA .
- Bernard to work with Michael and Janos to define the process and procedures for the ThalesNano prize. Call for nominations, jury, awarding prize, etc.
- Colin will ask RSC about facilities for a meeting between Oct 24 to Nov 15. Try to do this around a weekend. (not Nov 5,6, but 7th is OK).
- Bryan to complete the project proposal by end of April.
- Colin to get the STP workshop info updated to web along with minutes from Istanbul.

The meeting was adjourned at approximately 5 pm.