

Minutes Paris CCE Strategy Meeting
Eva Åkesson

CCE Strategy Meeting
Meeting at ICSU Secretariat
51 Bd de Montmorency, Paris
Saturday, March 3, 2007 - 8:45 am – 6 pm
Sunday, March 4, 2007 - 8:45 am – 6 pm
DRAFT Minutes:

Present:

Peter Mahaffy, PM (chair CCE)
Mei-Hung Chui, MHC (chair CED)
Anthony Ashmore, TA (chair PUC) Sunday only
Eva Åkesson, EÅ (secretary)
Fabienne Myers, FM, IUPAC
Julia Hasler, UNESCO, Sunday 2:30- 4:00 pm

1. Amendments and Approval of Agenda

PM: Welcome and thanks to all participants for coming to the meeting in Paris during a weekend.
Additions to the agenda: New directions and new projects under item 14.

2. Logistical Issues for this Meeting

a. Anthony Ashmore will join us for Sunday only

b. Julia Hasler, UNESCO will join us at 2:30 pm Sunday

PM had a meeting with Julia Hasler on Friday 1 March. PM reported on a very fruitful meeting and UNESCO wants to build stronger connections with IUPAC and CCE. The discussion on Sunday with Julia H will be reported under item 8 a and item 10. Two issues will be added to the agenda for discussion with Julia H: Resource book for teachers and the microscale project.

c. Lunch break between 12:30 – 2:00 each day

d. Other issues – Procedures for claiming travel expenses were explained.

3. Minutes from CCE Meeting, Seoul 2006 (EA) – ITEM 3

The format is ok. Action lines will be summarized in the end of minutes in upcoming minutes.
Africa misspelled, PM will correct before sending out the minutes to all representatives.
The minutes are to be approved at the CCE meeting in Torino August 2007.

4. CCE Membership, Roles, and Leadership, consider membership issues

(PGM, FM) – **ITEM 4a, 4b, 4c**

a. Procedures for Membership

PM: A suggestion for a procedure has been circulated among NRs and TMs. The few comments received have been positive. The executive meeting finds the procedure good and suggests the chair to continue to work along the outlined procedure. The procedure will be an item on the agenda at the CCE meeting in Torino.

Minutes Paris CCE Strategy Meeting
Eva Åkesson

An advisory committee suggested by the chair is composed by:

Chair: Peter Atkins, Eva Åkesson, Daniel Rabinovich, Erica Steenberg,

PM will contact the suggested committee members and ask if they want to serve as members in an advisory committee during 2007. PM will also contact the chair concerning role and duties for the committee.

The role of advisory committee:

- Send mail to TM who have terms that expire asking for self nomination for another period or if they want to resign.
- Send mail to NR, TM and AM to ask for nominations for the open positions; 3 TM and officers i.e. secretary.
- Give advice to the chair of CCE on appointments of TMs and officers i.e. secretary.
Deadline 1 May.

b. Membership List – TMs, AOs, NRs

The membership list is for information and for the advisory committee to go through.

c. Subcommittee Chairs 2006-2007

Procedure: Chair recommends subcommittee chairs and CCE makes the final decision.

The recommendation from the chair is to reappoint the two subcommittee chairs for the upcoming period 2008-2009.

Tony Ashmore; accepted to continue as chair for PUC the next period 2008-2009.

Mei-Hung Chiu; accepted to continue as chair for CED the next period 2008-2009.

The sub committee chairs will formally be appointed for the period 2008-2009 by CCE in Torino, August 2007.

d. Conference Co-ordinator 2004-2007

Warren Beasley has notified PM that he might not be able to continue for another period due to health reasons. The issue will be addressed in Torino whether a new Conference Co-ordinator need to be appointed for the period 2008- 2009.

e. Division Liaison 2006-2009

Eva Åkesson continues until 2009

f. Project Group 2006-2009

The executive group noted that the project group, which has membership of five, is down to two members plus the project group chair in some case when evaluating projects. We have one member whom we haven't been able to communicate with for some time, and one member with a potential conflict of interest on a proposal as a project participant and developer of some of the assessment tools. Many (most?) proposals coming forward in the future will have the formal or informal involvement of one of the two sub-committee chairs, suggesting we should enlarge the membership of the project group by a couple members. This should also prove helpful when opinions diverge.

Proposal from the executive group:

There is a need to expand the project group with additional members. PM will communicate with Choon Do and discuss the issue concerning expanding the group. The project group chair is

Minutes Paris CCE Strategy Meeting
Eva Åkesson

requested to contact the members who have not been active the last year and ask if they still want to serve as member of the group. These issues will be finalized in Torino and ratified by CCE. Suggestions for new members in the group were given and the chair will follow up.

g. Secretary 2006-2007

Eva Åkesson is the current secretary for the period 2006-2007.
The advisory committee asks NRs and TMs for nominations.
The next period is 2008-2009 and note that the secretary needs to be a TM.

5. Subcommittees: Membership, reports, and plans, brainstorm directions for the two sub-committees

a. Public understanding (Sunday, TA)

A brief status report was given from TA, the chair of the sub committee. .

PUC-report:

Several questions were raised concerning the PUC-report.

What is the current status of the PUC report and where is within IUPAC?

It has been approved by the Bureau in November 2006, and suggest that it be published in PAC as a technical report.

There will be a round table in Torino concerning public understanding. The round table idea came from the Council, because there are too few discussions at the Council. It is a way for small countries to have a say in the discussions.

International day/week/year of chemistry:
See ITEM 10!

b. Chemistry Education for Development (Saturday, M-HC)

Short report and update from the chair of the subcommittee on chemistry education for development of CCE, concerning group members, activities, especially the Flying chemist program.

The flying chemist program FCP:

Dr. Fortunato B. Sevilla III expressed his interest in running Flying Chemists Program in Philippines in 2007. The process has stalled recently, and issues were raised about the need for revisiting parameters for timing and funding. The executive meeting recommends trying to combine the two events into one in the spring 2008. A more detailed application needed. Inform Dr. Sevilla III that CCE can provide support for them in preparing a FCP proposal.

For FCP proposals; use the standard project proposal and it will be considered as any other project proposal within CCE. For financial support for conferences, the next review cycle is in end of June.

Inform Dr. Sevilla III that they write two separate applications for two different purposes, one for FCP and one for the conference. Tell them to use the same text and attach a cover letter explaining how they complement each other.

Actions FCP:

Minutes Paris CCE Strategy Meeting
Eva Åkesson

- MHC will contact Dr. Fortunato B. Sevilla III again, and see if they are still on track, discuss the date, tell them to apply on both programs, see the recommendation above.
- PM: We can offer to contact ICSU regional office in Kuala Lumpur. Inform Dr. Fortunato B. Sevilla III that we (i.e PM) can do that.
- MHC put together a list of the procedure for FCP to be approved in Torino. This will be on the web and distributed to all NRs after the approval.
- All approved FCP will be required to submit a report within a year.
- MHC: Create a list of resource people. PM will send MHC the email list. MHC will send out a mail to all NRs, AMs and TMs, asking them to suggest names to the resource list.
- EÅ and PM will encourage the other divisions to suggest names to add to the resource list in their contacts with the divisions and follow up at the meetings in Torino.
- ICSU. Flying scientist program, PM will contact ICSU to see if they want to partner on the FCP program to create a Flying scientist program

Other issues:

YAC upcoming events in Kenya and Mauritius. Lida Schoen and Erica Steenberg

2nd NICE will be held in Taipei (Program chair: M. H. Chiu, co-chairs: Choon Do)

Suggest to Warren to collect a list of conferences, PM does.

Following the meeting by PM with UNESCO staff, we have learned that UNESCO has a resource manual on teaching science, there is large demand but the material is outdated. It is currently on the UNESCO web. Is CCE interested in collaboration to update this? There is a suggestion from Mordechai Livneh concerning upgrading new ideas for curriculum development: literacy of knowledge in chemistry. The objective is to create item bank for teachers to use in the classroom. Ask Livneh if he might be interested in investigating if the two ideas can be brought together as a joint project.

Liberato Cardellini has an interest in a project on student misconceptions in chemistry.

PM needs a report from CED about activities for the Bureau, the deadline is middle of May. CED will have pre-meeting in Torino, MHC will send out a mail with the time for the meeting to the sub committee members well in advance.

The chair thanks the sub-chair for a good work.

6. ICCE (PM for Warren B)

a. Mauritius 2008, explore ways we can best support planning for the 2008 ICCE in Mauritius with a satellite meeting in Kenya (PGM for Ramasami) - ITEM 6A

The executive meeting stressed the importance of fulfilling the condition that this conference brings a benefit to sub-Saharan Africa. Particularly important will be the satellite meeting in Kenya, and the need to facilitate involvement by educators from Southern Africa. Uncertainties

Minutes Paris CCE Strategy Meeting
Eva Åkesson

were raised concerning the budget and sponsors, i.e. the lack of sponsors. CCE will help advise with respect to sources for fundraising. We might get help from UNESCO to approach the Gates foundation for funding to enhance African teacher involvement. OPWC paid for plenary speakers at an earlier ICCE; can they contribute in a similar manner to this up-coming conference? Is it possible to get funding from UNESCO and ICSU? Discuss this issue with Julia Hasler tomorrow.

Questions in relation to what is included in the conference fee were raised like are lunches, banquet dinner included or not. The conference fee is rather high, \$500 as compared to \$400 for the last conference. A sliding scale for conference fee is encouraged for people who otherwise cannot attend.

CCE meeting at the ICCE 2008.

There will be a full day meeting. We suggest 9:00 – 18:00 on Sunday and a 3-hour meeting later on in the week. CCE members should arrive on Saturday in order to participate in the CCE Sunday meeting.

It is possible that it would be helpful to hold a strategy meeting in Mauritius or Nairobi early in 2008. The exact date and place for the strategy meeting 2008 will be decided at a later time.

Action Line:

PM will write letter to Ramasami, concerning issues and concerns outlined below.

Issues to bring back to Ramasami: responsible PM

- Ask Ramasami if he is coming to Torino. It is necessary to promote the ICCE conference at the meeting in Torino.
- Ask organisers if they need additional assistance on the program.
- Sponsor issue is important, CCE will offer to assist. Encourage organisers to submit a plan and time line for approaching sponsors, we can offer to help with the connections.
- Inform organisers about the request for a CCE meeting on Sunday, a full day meeting on Sunday 9- 18 and 3 hour meeting later on in the week. For the latter meeting, ask organisers to schedule it on an appropriate time during the conference.
- Ownership for the satellite meeting in Kenya, the engagement of local organisers is critical. It is of large importance that the satellite meeting must come about.
- The YAC event, no local organiser has been identified. Inform organisers about YAC
- Publicity issues concerning the conference outside the region.
- Possible strategy meeting in Mauritius (or Nairobi, Kenya) early 2008. Set the final date and place with the executive in Torino.
- ICSU will have a conference in Mauritius 2007, contact them for sharing experiences

b. 2010, review the status of information needed for CCE to make a final site selection for the 2010 ICCE at the Torino meeting. NB Minutes from Seoul, Item 8.3.1, also CCE2006_8.3.1_Conference Coordinator Report

Minutes Paris CCE Strategy Meeting Eva Åkesson

The report from the conference coordinator was discussed. Three issues were brought up for consideration; regional distribution of conferences, program structure, conference themes and plenary speakers.

The possibility of a joint ICCE + BCCE was discussed. It was stressed that this is a one time occasion and not a merger of the conferences. It might be suitable when/if in Canada year 2012.

The executive meeting decided to explore the possibility for a single joint meeting, (not an integration or merger.)

Bids for the up-coming conferences so far:

2010 - Taiwan, New Zealand (expression of interest)

2012 Switzerland (expression of interest)

Decision concerning conference site 2010 will be made in Torino, the item for the agenda will be prepared by Warren.

Action: PM will communicate with Warren Beasley concerning a possible joint ICCE and BCCE.

7. IUPAC GA and Congress – Torino, August 2007

a. Review plans for education sessions in the Torino Congress (Session 10) and for Hoffmann play ‘Should’ve’. (PGM, FM) ITEM 7A

CCE meeting on Monday and Tuesday

Subcommittees CED and PUC will have meetings on Sunday and Wednesday. Information to members of the sub committee is dealt with by the subcommittee chairs.

PM is a co-organiser of Session 10 (Chemistry Education) at the Congress, with Antonio Floriano. Two symposia CCE are arranging:

1. Hoffmann play ‘Should’ve’ followed by a half-day symposium on ethics as part of Session 10, organised by PM.
2. A half-day symposium on Public Understanding of Chemistry. Key note speaker; Roland Jackson

Suggestion for subjects and speakers for the session:

Germany recovered interest in chemistry studies, how?

Italy, outreach to schools, Floriano?

Choon Do: How a national chemical society works.

Director of ACS; On advice to community. How work with the media, we cannot change the media.

b. Plans for round table discussions (FM) ITEM 7B

For the first time, four Round Table discussions will be held during the 2007 General Assembly. This will allow small groups of Council delegates to discuss subjects of mutual interest in a setting conducive to the easy exchange of ideas.

Session of interest for CCE:

Minutes Paris CCE Strategy Meeting
Eva Åkesson

Topic A

How can we attract more students to chemistry? Do we need to modify the curriculum? Can IUPAC play a role?

Chair: Maria C.E. van Dam-Mieras (Netherlands)

Moderator: David StC. Black (Australia)

Topic D

How can we increase the global visibility of chemistry, enhance public understanding of chemistry, and improve its public image? How can we improve the visibility and image of IUPAC?

Chair: Peter G. Mahaffy (Canada)

Moderator: Leiv K. Sydnes (Norway)

If NAO are not planning to send delegates, NRs and TMs are encouraged to contact their NAO and volunteer to attend the round table discussions.

c. Plan for CCE meetings and participation in Division meetings in Torino (PGM, EA)

CCE meeting is scheduled to be on Monday, a full day meeting, and Tuesday morning.

Send a mail to all AMs, so they plan ahead to participate on the CCE meeting Monday and Tuesday. Included in the mail there will be a tentative visiting schedule for EA and PM to the divisions.

EA is responsible to make the draft of the mail, and then send it to PM. Mailing list from PM.

d. Plans for Joint CCE/ChemRawn/COCI Meeting

Mort Hoffmann has suggested focusing on educational aspects of IUPAC projects and conferences. That every approved project and conference needs to include in the proposal an explanation of how educational/public understanding dimensions will be addressed.

PGM will follow-up with Morton Hoffmann, and with the chairs of COCI and CHEMRAWN

Perhaps the upcoming Chemrawn could be used as an example for Torino discussions.

e. How to best to make use of assembled expertise?

Suggestions from the executive meeting:

Break out sessions during the CCE meeting; find out the main themes, mostly looking forward.

Use some of the time on Monday for breakout session and report back to the whole group the main project ideas, and on Tuesday allocate some time to work on how to translate the ideas into real project proposals.

Encourage the NRs to send in their ideas for new projects in advance.

Main themes prepared by sub committees:

New Initiatives for Public Understanding of Chemistry Sub-Committee

Role for International year of chemistry.

New Initiatives for Chemistry Education for Development Sub-Committee

Flying Chemist Program

8. CCE Interfaces, review relationships and communication with divisions and other standing committees

Minutes Paris CCE Strategy Meeting
Eva Åkesson

a. UNESCO – Interfaces of interest include

Julia Hasler, UNESCO visit the meeting 1 hour on Sunday.

Julia Hasler: Thank you for the invitation. UNESCO changed a lot over the last years: Decreased in the number of staff, radical cuts in budget. The primary factors in the way we can go forward is: We are forced to look at our assets and focus, we want to work with unions like IUPAC, and have ambition to get a better working relationship.

COCI writes a letter of intent each year to UNESCO, identifying projects and activities that might be of mutual interest. Can CCE do the same?

Answer: Yes.

i. 2008 ICCE in Mauritius, with Satellite Meeting in Nairobi and Virtual Meeting

JH: UNESCO want to be involve, UNESCO may be able to provide about 5-10 000\$

Josef Massaqui in the Nairobi office has been promoted to be director, Julia will write mail to Josef about this meeting.

There is a need for funding for 3-4 speakers from Mauritius for satellite meeting. ICSU's office in Pretoria might play a role.

The YAC-event in Nairobi: Can there be a SAW collaboration with UNESCO?

Ambition: We will try to raise money together with UNESCO to bring in local teachers.

ii. Joint IUPAC/OPCW Projects

The project has created and piloted some educational materials dealing with multiple uses of chemicals and chemical weapons. The translation is done; can we get help with dissemination?

JH does not deal explicit with ethics, UNESCO has a special ethic section, JH will promote a contact to the people responsible within UNESCO.

iii. UN Decade for Education for Sustainable Development

This is an important theme for CCE. Natalia Tarasova from Mendeleyev University has given important leadership here.

JH: UN Decade is dealt by the educational sector, but UNESCO is trying to work inter-sectorially. If IUPAC want to do something concerning education for sustainable development, this can be a good collaboration.

iv. Interest of IUPAC in Declaration of an International Year of Chemistry

J. H positive. See more under Item 10

v. Resource book for teachers.

UNESCO has a resource manual on teaching science, there is large demand but the material is outdated. It has been reviewed once but needs to be reviewed more properly.

It is currently on the UNESCO web. Is CCE interested in collaboration?

There is a suggestion from Mordechai Livneh concerning upgrading new ideas for curriculum development: literacy of knowledge in chemistry. The objective is to create item bank for teachers to use in the classroom. Ask Livneh if he might be interested in investigating if the two ideas can be brought together as a joint project.

Minutes Paris CCE Strategy Meeting
Eva Åkesson

JH will come to London to see what already have been done. TA responsible.

VI: Microscale

UNESCO raised questions about whether it should only support one micro-scale system.

UNESCO wants a webpage with links to other micro scale systems also. There are other models, and UNESCO asks for a critical review of the available ones.

A review is desired of alternative microscale materials and evaluation of the micro scale material in respect to toxicity, and green chemistry of the imported kits. JH asks if CCE are willing to assist in reviewing microscale systems and UNESCO is willing pay for the consultancy.

We (CCE) would welcome a request in these two fields from UNESCO; review the resource book and micro scale materials. In the latter review, work together with John Bradley to make sure the micro scale systems are relevant and safe.

Information about FCP

JH: UNESCO gets request about curricula reform, it good to know about the FCP. This is an important area of common interest.

Action: write a letter of intent from CCE to UNESCO

v. Possible IUPAC/UNESCO/ICSU Synergistic Activities

b. OPCW

An update by PM

There is a request to run workshops in Moscow and India, and proposed for Torino. Alistair Hay is coordinating. Current work with visualisation is carried out at the King's University College in Canada to convert text to attractive web-based material.

c. ICSU

Collaborate with ICSU's regional offices in Kuala Lumpur and Pretoria. PM will explore possibilities during the meeting in the coming days at ICSU.

d. National Societies

Distribute the PUC report to National Societies

e. Review the flow of communication about educational issues within CCE and within IUPAC

There is a fabulous profile in CI on educational issues, thanks to Fabienne Meyers.

An Educational dimension to every conference, when we visit division we should stress this. We need to get AM more involved and more joint projects.

9. Review of Current CCE Projects, review the status of projects and other activities of CCE since our meeting in Seoul (FM, PGM, CD) ITEM 9A Review Project and proposals.

Proposals:

Minutes Paris CCE Strategy Meeting
Eva Åkesson

Proposal with project committee:

2006-050-3. McQuillan division I IR vibrational spectroscopy, surfaces. The project is not listed yet, it is under review. This is an interdivisional project.

2006-043-3 Natalia Tarasova Social responsible stewardship:

Suggestion: Endorse the proposal. Asking for a total 7000 \$. Decision: 3500 \$ from CCE and 3500 \$ from project committee

2007-005-1 Lida Schoen Assessment and outcomes. YAC

Proposal was viewed positively during review, but some important issues need to be clarified. The assessment is not spelled out well enough yet. For this proposal, we wonder if the Project Group might ask Fabienne Meyers to communicate to the proposer the suggested revisions of the proposal and ask for a clarification of the budget. The revised proposal could be referred back by Fabienne M to the project group for an expeditious 'open' round of comments.

General recommendations:

The IUPAC Project Committee has a process in which reviewers send comments directly to the secretariat (Fabienne), rather than copying to all members of the review committee. Fabienne collates the reviews and when the initial views diverge or if various points are elaborated on, the compilation of all the initial comments are then shared with the entire group for a second round of comments, and this second round is 'an open discussion'. Does this seem like a reasonable approach for our own CCE Project Group?

Add reviewer when people in project group are involved in the application so there is enough reviewers. We would add two members to the project group, perhaps one AM who has experience with reviewing proposals for other divisions, and one newer CCE NR. See also under ITEM 4 f.

10. International Year of Chemistry; consider next steps in seeking endorsement for declaring, as requested by the IUPAC Bureau – ITEMS 10A, B, C, D

This is a request from the Bureau; make a small project and use the project template for fast approval. TA convenes the committee on the international year in order to bring a recommendation to Council through the Bureau. This must be included in Torino agenda already six weeks ahead of the meeting.

The committee working with Project on the International Year will draft the mechanism and timeline for international year of chemistry and work together with UNESCO.

Discussion:

An international year is better than a day. Choon Do has earlier suggested a day, which might be incorporated into an international year. It is difficult to find a day which would be suitable for everybody globally. But a country (or NAO) can highlight a day/week within a year if they wish. Action: TA contacts Choon Do and communicates the suggestion above.

The Bureau suggested year 2009 as year of chemistry, this is not a realistic timing. 2009 cannot happen in terms of an UNESCO declaration; it is already committed to astronomy that year. Rather year 2011 or 2012 can work, planning is needed approximate 5 years ahead.

How important are UNESCO and UN support? Julia Hasler focused on the funding issue. A IUPAC declaration alone is not enough, UNESCO is the most important. A declaration comes first from UNESCO and then from UN. UN declaration is chosen by some groups, but not all.

A group within the subcommittee PUC will work on this. TA will send a list of participants. The group will look into if there is some larger annual celebration of chemistry, compare with the year physics and the celebration of Einstein. In year 2011, Rutherford discovery of the atom structure. Marie Curie received her second noble prize in 2011 and her first in chemistry.

Schedule a meeting in Paris with Julia Hasler from UNESCO and the group a half day in April. Julia Hasler arranges to meet with the permanent delegation at UNESCO. Liaise with Julia concerning the date for the meeting. Julia Hasler emphasizes the political barrier and political lobbying. We have to find three key countries and chemists. Julia helps us to identify chemists, also to meet the permanent delegates which many of them have offices at UNESCO. This can come forward in UNESCO 2009. The General assembly is in October. To get to the executives board, it must be well prepared by end of 2008.

The chair from the physics year is from France. What lessons can be learned from physics etc. See if it is possible to meet him at the same time as the meeting in Paris.

Where do you want to launch it?

IUPAC needs to engage NAO, the work and delivery by NAO.
Is it necessary to have a secretariat and maintain a website.

Responsible for the action lines above: Tony Ashmore

11. Project Facilitation and Co-ordination:

- a. Review of Procedures (FM)
- b. Fine Tuning (all)

12. Budget – Operations and Project ITEM 12

- a. Status of Budget
- b. Guidelines for Project Budget

13. Other Matters Arising from Seoul CCE Meeting

- a. Update on NICE Symposium (M-HC)

14. Other Business

Brainstorm new directions and new projects

- a. Microscale update/review/catalogue

Serve UNESCO with that; bring 2 or 3 people together from outside CCE for couple a days for the evaluation. Bring it up as one project in Torino. See also under ITEM 8.

- b. DIDAC

Information on dissemination of materials is still not available. Maintain a watching interest.

- c. Graham Pearson-project Code of conduct

The proposal is for a code of conduct is to be adopted by IUPAC.

Is this a project for IUPAC? Yes.

Minutes Paris CCE Strategy Meeting
Eva Åkesson

Questions raised: Who owns this code and who is this for?

d. Descriptors:

Bring it up in Torino. What is the most suitable form? As a project, or a break out group - sessions and a workshop? Review what already exists i.e. the Budapest descriptors and Eurobachelor or start on a blank paper A session in Torino on Learning outcomes, knowledge and competences is suggested.

An article in CI in the issue was proposed, suggested authors Kristina Edström in collaboration with Eva Åkesson

15. Adjournment