

**CCE Strategy Meeting – Setting Directions for the Next Biennium
February 11-13, 2006
UPR - Cayey, Puerto Rico**

MINUTES

Meeting times:	Saturday	February 11	9:00-17:00
	Sunday	February 12	9:00-12:00

Present:

Peter Mahaffy (chair CCE)
Ram Lamba (chair CED)
Fabienne Meyers
Anthony Ashmore
Eva Åkesson

1. Amendments and Approval of Agenda

Add to Agenda:

- Mendeleev celebration 2007
- Journal of Science Education

Agenda approved with additions

2. Logistical Issues for this Meeting

Information from Ram Lamba

Thanks to Ram for hosting the meeting!

3. Minutes from CCE Strategy Meeting 2005 and CCE Meeting - Beijing 2005

CCE Strategy Meeting 2005;

For information, minutes approved earlier in Beijing 2005.

CCE Meeting - Beijing 2005

Minutes needs to be revised.

1. Peter Atkins will be asked to review the minutes
2. CCE members for comments
3. Posted on the web.

Responsible person: Peter Mahaffy

Recommendation to CCE:

Formal meeting will be each year. The notation informal meeting will not be used in the future.

4. CCE Membership, Roles, and Leadership (PGM, FM)

a. Membership List – TMs, AMs, NRs

Currently NRs from countries already represented by TMs and AMs are not eligible.

Recommendation:

Suggest that the terms of reference for CCE will be changed so it does not have to be dealt with as an exception.

Responsible: Peter Mahaffy

CCE needs active NRs from all NAO, many countries and regions have no representation at all.

Recommendation:

Send a note to NAO to encourage them to nominate NR. Belarus, Jamaica, Jordan and Ukraine are new members, separate note to these.

Responsible: Peter Mahaffy

b. Subcommittee Chairs

Ram Lamba with his new duties as chancellor for UPR - Cayey wants to be replaced as chair for CED.

Peter Mahaffy with his new duty as chair for CCE wants to be replaced as chair for PUC.

Suggestions were made for new chairs:

Responsible: Peter Mahaffy will follow up

c. Conference Co-ordinator

Warren Beasley 2004-2007 (accepted)

d. Division Liaison

Eva Åkesson 2006-2009 (accepted)

e. CCE Project group

Coordinator:

Choon Do 2006-2009 (accepted)

Members:

Hale Bayram 2006-2007

Tony Ashmore 2006-2007 (accepted)

Mei-Hung Chiu 2006-2007

Morton Hoffman 2006-2007

Responsible: Peter Mahaffy will contact the new proposed members.

f. Secretary

Eva Åkesson 2006 (accepted)

g. Treasurer (?)

Considered not needed,
 Coordinator for the CCE project group will monitor the project budget
 Chair will monitor the operating budget and overall budget.

h. Liaison with COCI and CHEMRAWN –

The chair will continue to liaise, reciprocal minutes, etc. The chairs of these will be encouraged to participate in CCE's meetings.

We want to encourage active roles in CCE for all TMs, AMs, and NRs.

The role of AMs,

- Represent to CCE the educational dimension of the divisional activities.
- Identify activities within their division that have educational and/or public understanding spin-off.
- Be aware of CCE's strategies and resources and then communicate these to their division
- Identify and promote interdivisional educational projects.

Recommendation:

The chair and liaison officer write to the AMs, with a copy to division presidents, focussing on:

- the role of the liaison officer,
- the role of AMs
- a welcome and invitation to ICCE in Seoul with an encouragement to contribute to the program
- Ask them to identify the top two projects in their division with CCE possible linkages.

All minutes will be sent to AMs in futures

The role of NRs,

Recommendation;

The role of NRs should be discussed in Seoul Korea 2006.
 NRs ought to be given larger opportunities to be involved in committees, projects etc.

5. Subcommittees: Membership, reports, and plans

The strategic planning group acknowledges the great effort put into all the committees and groups both of the members and the chairs. Special thanks to Ram Lamba and Peter Mahaffy for their enthusiastic and competent leadership for CED and PUC subcommittees.

a. Public understanding (PGM, TA)

Report from the former chair of the subcommittee:

Discussion about what have been accomplished and what should be done in the future, focusing on future implementation of the recommendation within the report on "Public understanding of science; identifying

IUPAC's niche". Broad Bureau acceptance for report is necessary to proceed. YAC project considered being very successful but assessment of the impact ought to be prioritized in the future.

PUC's role – suggestion from the strategic planning group:

- Initiate new projects
- Support existing projects
- Future implementation of the recommendations within the report on "Public understanding of science; identifying IUPAC's niche".

Recommendation:

The newly appointed chair will:

- Reform the PUC committee
- Initiate a discussion within PUC in Seoul Korea 2006 about future action lines including the ones mentioned above

b. Chemistry Education for Development (RL)

Report from former chair of the subcommittee, Ram Lamba:

Discussion about what have been accomplished and what should be done in the future.

CED's role – suggestion from the strategic planning group:

- Initiate new projects
- Support existing projects

FCP – Flying chemist program - identified as an important component of CED strategy and should be integrated into CED activities and approaches.

Following approaches are recommended to CED by the strategic planning group in order to review FCP and propose the next phase of FCP activities:

- Review initial terms of reference of FCP
- Review experience in India and Sri Lanka
- Review other similar initiatives such as ACS program to identify models that work.
- Suggest ways to expand FCP, including emphasis on how success will be assessed and communicated, including evaluation some time after the initial meeting
- Suggest mechanisms for receiving proposals and allocating funding vis a vis project system.
- Develop an informal roster of expertise that goes beyond CCE executive members (include UNESCO/ICSU). Seek from NRs and NAOs recommendations. Emphasis on South/South collaborations
- Suggest ways to work with other unions/ICSU on FSP
- Suggest mechanisms for communicating program to possible participants and communicating outcomes.
- Consider if a FCP-coordinator is needed.

Recommendation:

The newly appointed chair will:

- Reform the CED committee
- Initiate a discussion within CED about future action lines including the ones mentioned above in Korea

6. ICCE and Other Conferences (Report from Warren Beasley, Choon Do)

Recommendation:

A report composed by the conference organizers should be provided to the next organizer, with important deadlines, budget, contacts for funding and other good advices/information.

The role for the international advisory committee ought to be more well-defined. This issue must be addressed within CCE and communicated with upcoming organisers.

ICCE 2006, Seoul Korea

AMs might be a source of posters and talks.

NRs and AMs should be encouraged to attend.

When the preliminary program is available on the website, all CCE members should actively promote the conference.

Recommendation to the conference organisers ICCE 2006:

Desired schedule for CCE meetings in Seoul Korea:

- Full day CCE meeting the 12 August 2006
- Short follow-up meeting the 17 August 2006, just after the closing of the conference.

Responsible:

Peter Mahaffy will contact the organizers with the preliminary schedule.

Important to notify all TM, AM and NRs so they can plan their travel well in advance.

a. Mauritius

Mauritius is approved as ICCE organizers year 2008 with the condition that a satellite meeting will be in sub-Saharan Africa. Warren Beasley and John Bradley are working with the organizers in order to facilitate a satellite meeting in Nairobi.

Mauritius has resubmitted a proposal. Minor revisions are needed before the FSC evaluation committee meeting in June.

Responsible:

The chair and FM will communicate the suggestions for revision to the organizers in Mauritius.

FM will continue to work with Mauritius on their NAO status.

b. IUPAC GA – Turin

A draft of the scientific program shows a chemistry education session.
An active liaison in Italy is essential.

c. Beyond

Indications of interest in hosting 2010 ICCE meeting should come before the meeting in Seoul Korea 2006. Call for proposals will be published in CI. Warren Beasley will send a note to all NRs solicitation proposals to host ICCE 2010.

7. CCE Interfaces

a. OPCW (PGM)

A brief report on the Oxford workshop and the project on multiple uses of chemicals.

b. ICSU (PGM, FM) - Committee on Freedom & Responsibility in the Conduct of Science (CFRS), UN Commission on Sustainable Development

Peter Mahaffy is nominated by IUPAC to the committee.

Next deadline for application to ICSU March 2007.

Peter Atkins will suggest a flying scientist programme in order to increase the platform for FCP to include other scientists like physicist and biologist.

Recommendation from the strategic planning group:

The ICSU paper ought to be used within CCE for inspiration and discussions concerning education and sustainable development.

c. International Council of Chemical Associations - <http://www.icca-at-dubai.org> (PGM)

IUPAC and International Council of Chemical Associations have discussed collaboration on issues related to CCE's activities. A possible future role for CCE can emerge.

8. Review of Current CCE Projects (FM, PGM)

The projects are listed on IUPAC's website.

Summary of the discussion within the strategic planning group:

- Many important initiatives, like YAC, FCP, the joint OPCW project and the report on public understanding
- Several projects have been co-funded by other organisations as SAW and OPCW
- Some will continue as projects but in a different form
- Assessment aspects must be more emphasise in the future
- To few projects – action must be taken to initiate more projects
- The projects have been disseminated well by CI

9. Project Facilitation and Co-ordination:

a. Review of Procedures (FM) – See Minutes from 2005 Strategy Meeting

Clarification:

The project coordinator is responsible to give a firm recommendation to the chair of CCE, based on the evaluations from the members in the project group, including budget and grounds. The final decision is done by the CCE chair.

Fabienne Meyers will update the procedure list for the work of the project group to include examples of guiding question in order to have clearer recommendations from the members of the project group.

Tony Ashmore will update the Advice for proposers in collaboration with Fabienne Meyers to match the basic values of the CCE committee.

10. Budget – Operations and Project

Report given by the chair.

Overall budget (2006-2007): \$38 300

Approximate breakdown: project budget \$20 000, operations \$18 300

11. Strategic Directions for CCE: What are the most important areas to focus on in the next biennium? What is CCE's niche in education and IUPAC? How can we achieve fuller participation by all TMs, AMs and NRs?

Summary of the discussion:

Work on mission, vision and strategies.

Put these Strategic Directions together to promote CCE.

- ❑ Articulate directions for CED – part of which is FCP
- ❑ Learner driven, outcome driven curriculum, strand useful for developed world also – this might be one way to assess projects.
- ❑ PUC – moving beyond CCE to IUPAC
- ❑ Chemistry and sustainable development – chemistry and life
- ❑ Modules on chemistry and ethics, etc.
- ❑ Integrate ICCE activities into work of CCE. Not separate, but try to ensure that CED initiatives flow from the ICCE.
- ❑ Building networks
- ❑ Utilizing the multicultural competence within CCE

How to accomplish CCE goals?

Building networks through

- Project mechanism.
- Conference mechanism

Focus on:

- Countries in transition
- Learner-focussed approach
- Public understanding integrated in everything we do!

12. Future Shape and Membership of the CCE

Discussion was incorporated into other agenda items

13. Communication Strategies: CI, CEI, Web, other....

Discussion was incorporated into other agenda items

14. Agenda for Off-year Meeting of CCE at the ICCE in Seoul

Will be circulated to CCE

15. Other Business

- a. Mendeleev anniversary 2007

It was suggested that in addition to events in Russia, perhaps a symposium could be suggested for Torino.

- b. Journal of Science Education JSE – The chair received communication from JSE, asking whether CCE might play a role in this journal.

16. Adjournment

Thanks from the chairman!!!!