

IUPAC Division of Chemistry & the Environment (DCE)**Minutes**

Divisional Committee meetings held as part of 41st IUPAC General Assembly
Queensland Institute of Technology, Brisbane
29 June - 3 July 2001

1. Attendance and Apologies

Werner Klein (President DP)
Junshi Miyamoto (Past-President PP)
Kenneth Racke (Vice-President VP, Chairman 640)
Patrick Holland (Secretary DS)
David Turner (TM, Chairman 610)
Tania Tavares (TM, Chairman 620)
Yehuda Shevah (TM, Chairman 630)
Willie Peijnenburg (AM, Secretary 630)
Patrick Dysseler (AM, acting Chairman 650)
Denis Hamilton (Secretary 640)
Leo Klasinc (Secretary 620)
Cynthia Larive (University of Kansas, Lawrence)
Jani Ingram (National Engineering & Environmental Lab., Idaho)

Apologies: Heinz Behret (AM, GDCh), Rene Martin (AM, COCI), John Gilbert (TM, Chairman 650).

Dr Dysseler apologised that he was able to attend only the first sessions. He nominated Barbara Szteke (TM 650) to attend in his absence to represent Div 650 (did not eventuate).

Prof Klein welcomed to the Brisbane General Assembly the DCE committee members, commission representatives and the US-NAS Young Scientist observers (Prof Larive and Dr Ingram). The agenda and timetable for DCE meetings and associated joint meetings were agreed upon. The priorities for the GA meetings were to:

- Review and finalise Divisional and Commission activities and budgets for the remainder of the biennium (to 31/12/01);
- Develop a new divisional membership and structure for the next biennium;
- Review on-going Commission projects;
- Review interdivisional projects;
- Discuss potential new projects and project areas.

2. Minutes and Report to Council

The minutes of the 2000 divisional meeting in Tel Aviv and the President's report to Council on DCE activities 1999-2000 were accepted.

3. Terms of Reference

The terms of reference revised in 2000 were further revised in view of the imminent cessation of Commissions:

Through its internationally recognized membership and project teams, the DCE will provide unbiased and timely authoritative reviews on the behavior of chemical compounds in food and the environment. The DCE intends to undertake both fundamental and applied chemical studies aimed at solving environmental problems and enhancing the quality of food. In this way DCE will contribute to global sustainable development.

4. Bureau Decisions and Future Direction for IUPAC

Prof Klein summarised information from recent bureau meetings and the briefing meeting with Secretary-General Dr Becker held that morning. The program of change approved by the Bureau is designed to improve the quality, relevance, international impact and effectiveness of the Union's scientific work by:

- revitalizing long-range planning within the Divisions,
- ensuring the selection of only high quality projects to bear the IUPAC label,
- encouraging direct participation by the worldwide chemistry community,
- optimizing the use of IUPAC's limited financial resources,
- simplifying management and accountability.

Key points arising for DCE were:

- The restructuring arising from the SIDC proposals continues as planned, including the dissolving of all current Commissions and Working Groups at 31/12/01.
- The emphasis remains on a project driven system operated at the divisional level.
- Details of any new sub-structures and modes of operation are only slowly emerging. It is up to DCE to organise its affairs in line with the change policies.
- Closer coordination and collaboration is required with outside organisations for the mission oriented activities of IUPAC.
- Within DCE there is a need for closer integration and expansion of current activities in terms of multidisciplinary aspects, e.g. chemical aspects of food quality and environmental risk assessment.

5. Membership of the Divisional Committee 2002-2003

Prof Klein summarised progress with the formation of the DCE committee for 2002-2003 and issues arising. The new committee will have 10 TMs, 6 AMS and 6 NRs. It is essential that all elections and approvals are completed by the end of September so names can be included in the 2002/03 edition of the IUPAC Blue Book

Titular Members

The current President Klein and Vice-President Racke continue to end 2003. This leaves 8 TM positions to be filled by election. A very formal and open process was instigated by IUPAC for the purpose of Divisional elections. The DCE nominating committee of Junshi Miyamoto

(Chair); Willie Peijnenburg, Chris Wilkinson, Andreas Schaffer (external) and Terry Roberts (external) has received nominations and CVs for the following 11 candidates:

1. N. Senesi (610, TM 1994-2001)
2. L. Charlet (610, TM 1998-2001)
3. T. Tavares (620, Chairperson 1996-2001)
4. L. Klasinc (620, Secretary 1996-2001)
5. Y. Shevah (630, Chairperson 1991-2001)
6. WJGM Peijnenburg (630, Secretary 1998-2001)
7. R. Cantill (new, Biochemistry of oils and fats)
8. E. Anklam (650, TM 1998-2001)
9. B. Szteke_ (650, TM 2000-2001)
10. P. Dysseler (650, TM 1992-2001)
11. P. Holland (Secretary of DCE, 1998-2001).

Unfortunately this list was finalised too late for the Secretariat to organise an e-mail ballot before the GA. This election will now proceed in late July. The electorate will be all current members of the Division, including AMs and NRs. To assist the electorate to make informed decisions for this very important election, the secretary will circulate by e-mail a summary of the issues facing DCE. These include the new Divisional structure and the need for a balanced committee of individuals representing our key science areas who have the credentials and commitment to lead new projects.

A further issue in this election is that members, other than office holders, will now serve on the DCE committee for a maximum of 4 years, including the current biennium. Therefore, there is a need for balance between 'old-' and 'new- blood' to provide for continuity after 2002.

Associate Members

DCE also has 6 AM positions. The meeting agreed that existing DCE committee would elect the AMs from a list including the 3 unsuccessful TM candidates and further nominations from the Commissions. Nominations made at the meeting were as follows:

- J. Miyamoto (Past-President, Senior Adviser to Bureau, links to OECD and industry)
- D. Turner (current Chairman 610)
- P.M. Huang (TM, 610)
- O. Hertel (TM, 620)
- H. Garelick (AM, 630)
- A. Sabljic (TM, 630)
- D. Wauchope (TM, 640)
- A. Felsot (TM, 640)
- COCI representative (DP and Dr Miyamoto to nominate)

DS will receive further AM nominations for up to 2 weeks following the outcome of the TM election (anticipated early August) and circulate by e-mail. The current Committee members will then submit their prioritised lists of candidates to the DP and DS. They will make a final selection according to the criteria of personal merit and overall committee balance in terms of representation of speciality areas, geographical distribution etc. The formal approval of the 6 AM positions is to be completed by the middle of September.

National Representatives

DCE will have 6 NR positions. The NRs will be chosen from candidates nominated by the National Adhering Organisations. Significant problems in selection for the positions are likely because of the small total number of formal NR positions now available to the Division. The DCE committee agreed that NRs have frequently been a valuable resource for the Division and that IUPAC would be unwise to weaken these links. Nominations for enthusiastic and well-qualified candidates will be encouraged, particularly where strong links to Commission activities and projects currently exist. The DP will tackle any issues arising with Bureau. The timetable for this process is to be clarified with the Secretariat.

6. Divisional structure

There was extended discussion and debate on how best DCE could be organised, following the termination of Commissions, to serve the restructuring goal of more efficient, project oriented operation. It was agreed that DCE required a strong sub-structure to fulfil future needs in completing current projects, initiating new project work and maintaining internal and external communication encompassing the broad areas of environmental and food chemistry. It was resolved that four sub-committees (SCs) be formed to handle the following key project topic areas in the division:

1. Biophysico-chemical processes in environmental systems
2. Chemistry of environmental compartments (air, soil, water)
3. Crop protection chemistry
4. Chemistry of food quality.

The functions of sub-committees are:

1. Evaluating the suite of current projects in the topic area with an emphasis on facilitating rapid progress and ensuring that the final recommendations are sound.
2. Developing new projects through soliciting and prioritising ideas for topics, preparing formal proposals and nominating project teams.
3. Running working meetings to advance groups of projects with the advantages of:
 - cross-fertilisation of ideas;
 - economies of time commitments (many busy scientists can only justify attending one meeting a year for voluntary IUPAC activities);
 - budget economies;
 - inclusion of extension activities (workshops, symposia, congresses);
4. Provide visibility and status to participants in projects. Being on an IUPAC project team is not seen by many busy scientists as enough incentive in itself.
5. Communicating within the topic areas, including with scientists internationally with interests in the area.
6. Liaison with the DCE Committee. Each SC will include at least 2 TMS and 1 AM from the Divisional committee, preferably in leadership or administrative roles, and they will be active in project work. This will ensure a strong, project oriented focus for DCE and the SCs.

The role of the DCE Committee is:

1. Longer term strategic planning for the Division.
2. Facilitating development of new projects, including: formal review; progress through the approval system; funding / budgets; selection and approval of project teams.
3. Review of the DCE project portfolio, including: progress with current projects; critical weaknesses in coverage; important new areas.
4. Developing and managing interdivisional projects and higher level external links (SCOPE, COCI, OECD etc).
5. Liaison with Bureau.
6. Governance of sub-committees through key joint members who are participating in projects.

7. Projects completed since Berlin GA

| Project No. | Title | Team Leader | Output |
|--------------------------|--|----------------------------------|--|
| 610/**/** | <i>In-situ</i> Monitoring of Aquatic Systems – chemical analysis and speciation | J. Buffle, G. Horvai | Book , No.6 in IUPAC series published by Wiley 2001 |
| 630/25/95 | Modelling Lifetime and Degradability of Organic Compounds in Soil and Water Systems | A. Sabljic, W. Peijnenburg | Manuscript subm. for publ. in PAC., May 2001. |
| 640/20/87 | Relevance of impurities in technical grade pesticides. | A.Ambrus, D.Hamilton | Final manuscript to DP 7/01 for publ in <i>PAC</i> |
| 640/31/91 | Disposal and degradation of pesticide waste. | A. Felsot, D.Hamilton | Final manuscript to DP 7/01 for publ in <i>Rev.Environ.Contam.Toxicol</i> |
| 640/42/97 | Interception and retention factors for pesticides applied to plant foliage. | J.Linders et al | Published in <i>PAC</i> , 2000. V 72, No. 11, pp. 2199-2218 |
| 640/43/97 | Pesticide soil sorption parameters K_d and K_{oc} : theory, measurement, use, limitations and reliability. | R. Wauchope et al | Subm for publ. in <i>Pesticide Management Science</i> . 7/01 |
| 6/4/99 | Regional workshop “Harmonisation of pesticide Management”, Taiwan | SS. Wong | Workshop held 3-6/10/00 with published proceedings |
| 660/51/93 | Determination of oxidised triacyl glycerols | | Publ. <i>PAC</i> 72(8) 1563, 2000 |
| 650/91/97 | IUPAC Symposia on Mycotoxins and Phycotoxins | J.Gilbert, M.Sabino | 10 th held in Brazil 2000. Proceedings publ. 06/01 Planning for 11 th Maryland, 2004 |
| 650/84/95 | Beryllium in food – a critical assessment | B.Szteke H.Vaessen | Published in <i>Food Additives & Contam.</i> , 2000, 17, 2, 149-169 |
| 650/96/98 | 1 st IUPAC Int. Symp. on Trace Elements in Food, Warsaw Oct. 2000 | B.Szteke | Proceedings to be published 2002, <i>Food Additives & Contam.</i> |
| 650/90/97 | PCBs in Fish | | Publn of collaborative study in-press <i>JAOAC</i> |
| 650 Not a formal project | 2 nd Int. Symposium on Food Packaging Vienna, Nov. 2000 | ILSI Europe | Proceedings to be published 2002, <i>Food Additives & Contam.</i> |
| 650 Not a formal project | 1 st IUPAC Int. Symp. on Trace Elements in Food, Warsaw Oct. 2000 | B.Szteke & Polish Acad. Sciences | Proceedings to be published 2002, <i>Food Additives & Contam.</i> |
| 99042/600 /00 | IUPAC Int. Workshop on Fats, Oils and Oilseeds Analysis. Brazil, Nov. 2000 | R. Lago | Successful regional workshop with strong Brazilian support |
| | | | |

8. Current DCE Projects

Each commission was requested to:

1. Forward to the IUPAC Secretariat and the DCE Secretary the minutes of their Brisbane meeting containing the status of all current projects, covering:
 - i) Projects approved under the old system that will be discontinued.
 - ii) Projects approved under the old system that will be completed by 31/12/01 (manuscript

in the hands of DP for final approval by 31/12/01).

iii) Projects approved under the old system that will continue after 31/12/01.

A short project proposal must be submitted that can include requests for on-going funding. Approval by the Divisional Committee. The Secretariat is preparing an abbreviated version of current project form.

iv) Projects approved under the new system.

- Download their current project information from the project database at the IUPAC Web Site. These should be updated with brief but complete information on the current status of each approved project. E-mail the file back to Dr Myers who will use it to update the database.
- For projects entering the publishing phase in PAC, consult the IUPAC Web site for "Notes for Contributors": <http://www.iupac.org/publications/authors/index.html>

Based on information received, the following is a summary of the status of current projects within DCE:

8.1 Old projects to be discontinued

| Project No. | Title | Team Leader | Cooperation | Actions |
|-------------|---|-------------|-------------|--------------------------------------|
| 630/20/95 | Measurement of Chlorine Residuals in Water. | | | No further work since 1999. |
| 630/22/95 | Water Treatment Using Membrane Separation Processes | | | No further work since 1999. |
| 650/85/95 | Electronic Bulletin Board for Mycotoxins | | | Web-site inactive. Discontinue 12/01 |
| 650/95/98 | Ochratoxin-A in human serum | | | No progress. Discontinue |
| | | | | |
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| | | | | |

8.2 Old projects to be completed by 31/12/01

| Project No. | Title | Team Leader | Cooperations | Actions |
|-------------|--|-------------------------------------|--------------------------------|--|
| 610/**/** | The Biogeochemistry of Iron | D. Turner, K. Hunter | SCOR | Wiley book series No.7. Page proofs June 2001 |
| 610/**/** | Interaction Between Soil Particles and Microorganisms | P. Huang, JM. Bollag, N. Senesi | Several non-IUPAC contributors | Wiley book series No.8. Page proofs July 2001 |
| 610/**/** | Physicochemical Kinetics and Transport at Chemical-Biological Interfaces | R. Blust, S. Zehnder, H. vanLeeuwen | Several non-IUPAC contributors | Wiley book series No.9. Subm. manuscript, Dec. 2001 |
| 620/12/89 | Popular Articles on Local Env. Problems | O. Hertel, YH.Zhang, L. Klasinc | | Manuscript rec from O. Hertel. Another by Dec.01 (J.Pienaar, South Africa) |
| 620/25/95 | Photochemical Reactions of Coordination Compounds in the Atmosphere | N. Bazhin | | Manuscript in internal & external review. |

30/08/01

| | | | | |
|-------------|--|---------------|--------------------------------|--|
| 660/26/97 | Oestrogenic Substances in the Environment | J. Lintelmann | 640 | Completion of the final draft and submission for publication, 12/01. |
| 650/94/97 | Collaborative study – aflatoxin M1 in milk | A.Anklam | Several non-IUPAC contributors | Samples dist'd 6/01. Results publ. 12/01. |
| 99010/1/600 | Mycotoxin methods for developing countries | A.Anklam | FAO/IAEA | Publ of collaborative study by 12/01 |

8.3 Old projects to be continued beyond 31/12/01

| Project No. | Title | Team Leader | Cooperation | Actions |
|------------------------|--|-----------------------------|------------------|---|
| 620/11/89 620/23/96 | Internet Web page on Atmospheric Chemistry | L. Klasinc, J. Slanina | www.lkkak.irb.hr | On-going. Negotiate to transfer to IUPAC Web site by 12/01 |
| 660/18/93 | Code of Practice for Reporting Sampling Data. | H. Egli (630) | With 620 | Mini-proposal to be submitted. Completion of first draft for meeting, April 2002 |
| 660/24/95 | Solute Movement in Soils with Potential Rapid By-Pass Movement | W. Kördel (630) | With 640 | Mini-proposal to be submitted. Completion of first draft for meeting, April 2002 |
| 640/40/97 | Mass spectrometric techniques for multi-residue monitoring of pesticides in food and animal feedstuffs | S. Reynolds, E. Carazo | | Reynolds to submit mini-proposal |
| 650 | 8 th Ed IUPAC Standard Methods for Analysis of Oils, Fats & Derivatives | Dieffenbacher P. Dyssele | | Status & timetable to be defined |

8.4 Current projects under new system

| Project No. | Title | Team Leader | Cooperation | Actions |
|-------------------|---|--|--------------------------------------|---|
| 6/1/00 | Glossary of Terms on Atmospheric Chemistry (revision) | S. Schwartz, J. Calvert | Widespread in Atmos. Chem. community | Completion by 31/12/01. May require a meeting. |
| 990331/ 600/00 | Workshop on Atmospheric Deposition, Israel, June 2000 | R. van Grieken | 630 - Shevah | Successful workshop. Ca 15 manuscripts for proceedings to be subm to PAC by 30/9/01 |
| 990302/ 600/00 | Workshop on Local air Pollution in Developing Countries. China 2001 | YH. Zhang | IOCD, WHO | Planning proceeding for Dec. 2001 |
| 990341/ 600/00 | Local Radiation Balance: Influence of Aerosols | J. Slanina | EU, ECN | Funding allocated for work in 2002. |
| 990132/ 660/00 | In-situ Treatment of Polluted Soils | R. Mandelbaum | 640 - Katayama | Revision of the Outline and completion of the first draft, July 2002 |
| 990142/ 660/00 | Airborne & Remote Sensing of Water Quality | A. Dekker | | Revision of the Outline for a meeting in Nova Scotia, Nov. 2001 |
| 99009/1/ 600 | Pesticide residues in food - acute dietary exposure | D.Hamilton, R.Dieterle, C.Harris | CODEX, JMPR | Substantial draft and recommendations avail. |
| 99017/1/ 600 | Regulatory limits for pesticide residues in water | D. Hamilton, R. Dieterle | | Recommendations avail Revised draft to |

| | | | | |
|-------------|--|-------------|-----|---|
| | | | | circulate for final paper by early 2002. |
| 99041/1/600 | Bioavailability of Xenobiotic Substances | A. Katayama | 630 | Outline available. 630 contrib Dec. 2001 A full draft circulated by mid 2002. |

9. New Projects

No new projects were submitted to the Division or Secretariat between December 2000 and June 2001. The following new projects are at various stages of development within DCE:

| Title | Leader | Cooperation | Actions | Budget US \$ | | |
|---|--|---------------|---|--------------|--|--|
| | | | | | | |
| Estuarine Particles and Colloids | D. Turner (610) | SCOR | Further discussions with SCOR for joint funded project proposal 2002. | | | |
| Redox Chemistry of Microbial Behaviour in Env. Systems | A. Zehnder (610) | H. vanLeeuwen | Work continuing to develop a full proposal. Aimed at Wiley book. | | | |
| Particle-related Iron(II) Reactivity | L. Charlet (610) | | No update since Berlin GA. | | | |
| Fractal Structures and Processes in Environ. Chemistry | N. Senesi (610) | | Aimed at Wiley book. 6 chapters defined. Full project proposal Sept. 01 | | | |
| Biosensors for Monitoring Environmental Pollutants: | Y. Shevah (630) | 130 & V | More bkgd work and prepare a fresh proposal. | | | |
| Criteria for Selection of Reference Soils | W. Kördel (630) | | Project proposal to be prepared August 2001. | | | |
| Soil and Water Chemistry: Environmental Issues and Research Needs | Y. Shevah, W. Kördel, W. Peijnenburg (630) | | Outline to be prepared by Sept. 2001 for circulation in DCE and policy approval | | | |
| Valuation of Arsenic Contamination in Water and Remediation Options. | H. Garelick (630) | | Background work then submit formal proposal. | | | |
| Genetically modified (GM) crop cultivation and the impact on environment and human health | H. Kuiper (640) | | Proposal submitted 7/01 | | | |
| Spray drift: assessment and mitigation. | A. Felsot (640) | | Proposal submitted 7/01 | | | |
| Global availability of information on agrochemicals | K. Racke, P. Holland | FAO/IAEA | Proposal submitted 7/01 | | | |
| The role of agrochemicals in integrated pest management | K. Tanaka (640) | | Proposal to be prepared by 10/01 | | | |
| Critical review of environmental exposure modelling | R. Wauchope, J. Linders (640) | | Proposal to be prepared by 10/01 | | | |
| Environmental and health implications of inert ingredients in pesticide formulations. | A. Felsot (640) | | Proposal to be developed for discussion during 2002 | | | |
| Harmonized approaches to | G. Stephenson | | Proposal to be developed | | | |

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|---|----------------------|--|--|--|--|--|
| assessment and mitigation of agrochemical exposure in agricultural workers. | (640) | | for discussion during 2002 | | | |
| Assessment and regulation of minor crop uses of agrochemicals. | R. Wauchope (640) | | Proposal to be developed for discussion during 2002 | | | |
| Development and registration of reduced risk agrochemicals. | K. Racke (640) | | Proposal to be developed for discussion during 2002 | | | |
| Nomenclature of aquatic biotoxins | 650 | | Potential topic thru IUPAC Symposium on Mycotoxins & Phycotoxins | | | |

Dr Klein emphasised the importance of projects with strong links to other divisions or to other international science bodies. These links need to be cemented at not just an individual scientist level but also inter-organisation so that IUPAC can be seen to be active in international science and decision making. Funding will flow from Bureau in support of such projects. However the Bureau has recently decided that interdivisional projects will generally be expected to obtain pro-rata funding from the respective divisional budget allocations. This decision reduces the incentive to develop such projects which, experience has shown, often involve considerably more work in establishing communication and responsibilities.

10. Interdivisional Projects

10.1 Green Chemistry 3/2/99

This project is headed by Professor Pietro Tundo, Division III on Organic and Biomolecular Chemistry. Several international symposia have been held, some including published proceedings and the project has gained considerable momentum with industry now being more involved. Dr Miyamoto has provided liaison with OECD who also are supporting activities in this area, including a workshop on Green Chemistry Education in September 2001, Venice, Italy. The term 'sustainable chemistry' is preferred by COCI and DCE agrees that this aspect has been under-emphasised in work to-date on the project. DCE has supported two new sub-projects under Green Chemistry.

The DP, DS, Dr Miyamoto, Dr Shevah and Dr Turner attended an inter-divisional meeting at the GA where the role of DCE and environmental chemistry in the projects was discussed. It was acknowledged that Green Chemistry encompasses more than just efficient synthetic processes.

10.2 IUPAC/SCOPE Project on Endocrine-Active Substances 000161/600/00

This project is headed by Dr Junshi Miyamoto, DCE. The Division has a very active role in the project, particularly in Topic 2 (of four) Environmental Fate and Metabolism. Dr Miyamoto summarised progress for this very large project. A Scientific Advisory Committee has been formed and topic leaders and chapter authors have been appointed. Funding is being sought from industry, SCOPE and IUPAC for a budget of ca \$500k. The culmination of the project will be a large two-volume White Book containing over 50 chapters to be published by PAC in 2003 and. An international symposium will also be held 17-21 November 2002, Yokohama, Japan. Werner Klein, hosted a two day workshop at the Fraunhofer Institute, Schmallenberg immediately prior to the GA involving the 12 chapter authors for Topic 2. This advanced planning and coordination of the topic area.

10.3 Chemicals in the Atmosphere: Solubilities in Aqueous Media. 581/39/96

30/08/01

This project is headed by Commission 580 (Dr Fogg) and is proving frustrating to DCE. A large amount of material has been submitted by 620 (Dr Schwartz) but there has been no communication from the project leader. The project appears stalled but it is an important one and talks at the GA with Div. 500 may have revived it.

10.4 Aqueous Solution Kinetics Data for Atmospheric Chemistry. 140/7/93

Again an important project is stalled due to lack of response from Commission 140 who are leading it but have not acknowledged inputs made by 620.

11. International Cooperation.

SCOPE: Dr Miyamoto continues a strong interaction re endocrine active substances.

SCORE: Dr Turner (VI.1) is maintaining links with a view to a collaborative project.

IFCS: Prof Klein will take over DCE representation for this important WHO body.

12. Budgets

2000 – 2001

The current accounts (to 31 March 2001) show the total DCE administrative budget will be somewhat over-spent by 31/12/01. However the separate budgets for current projects are very underspent i.e. little expenditure has been made against the project allocations.

These budgetary figures can be inspected on the IUPAC web site. Entry must be by the direct URL: <http://www.iupac.org/accounting/>. An html directory gives the accounts by quarters e.g. 200012 = to 31/12/00. Under this is the division and commission account directory e.g. GL600_200012.pdf = DCE; GL630_200012.pdf = Soil & Water commission. The overall GL600 accounts are the most useful as the project budget information is contained there.

It is important to understand that the allocations to projects must be made within a biennium budget but the expenditure of the allocation for a given project goes for the duration of that project, perhaps extending across biennia. However, surpluses in a project account cannot be used elsewhere. The accounting system is a little confusing at present but will become clearer when the Commissions disappear. Expenses will then mainly go against project budgets with only about 10% from the DCE administration budget.

2002-2003

The Divisional budget for the new biennium is \$68,000, representing a 10% increase on the 1998-1999 allocation plus an additional \$10,000. As in the past, this budget does not include TM travel/subsistence to the next GA (just the Divisional Committee in 2003). From this budget DCE will allocate budgets to new projects that the bureau declines to fund (most of our smaller projects and extension activities) and payments for administrative costs for the Divisional Committee and Sub-committees (mainly travel/subsistence). The President is proposing about \$18,000 for the later categories and \$50,000 for projects. The sums tentatively allocated at the Tel Aviv meeting to current projects for 2002 have already been allocated. As a result the full \$50,000 is available for allocation to new projects.

Commission chairmen, secretaries and project leaders are requested to review their project budgets and forward by 31 December 2000 a summary of information on funding requirements for the 2002/2003 biennium. Where possible project funding should be pooled for joint project / sub-committee meetings.

1. All existing projects under the new system (taking into account funding remaining in allocated projects budgets). This should include anticipated expenditure and requests for additional funding (with justification).
2. Resubmitted old projects i.e. new requests.
3. Indicative allocation requests for new projects. Note IUPAC has some funds remaining in the current biennium which new projects received by 31 August may be able to obtain allocations from.

This information will be circulated to the DCE committee for preliminary decisions by 14 April 2002 on allocations from the 2002/3 budget.

13. Project submission

See attached appendix for a summary of the current procedure.

See also the IUPAC Web site: <http://www.iupac.org/projects/index.html>

14. Associated DCE activities at the GA

14.1 Commission meetings. The five commissions of DCE met during the GA. Commissions 610, 620, 630 and 640 made progress in actions to be taken to complete their terms and made proposals to continue projects and related activities under the new DCE structure post-2001. Unfortunately commission 650, Food Chemistry was not well represented and did not make any future plans for their important area.

14.2 Posters at IUPAC Congress. Four posters from DCE commissions on particular projects were displayed in the Congress foyer. Thanks to project leaders and Dr Meyers.

14.3 Commission 630 organised a seminar at the GA:

Airborne Monitoring of Water Bodies Dr Arnold Dekker, CSIRO Land & Water

14.4 Commission 640 / Denis Hamilton organised a symposium during the GA:
IUPAC Symposium on *Pesticide Regulation for Consumer and Environmental Safety and Fair Practices in the Food Trade.*

Sponsor: Queensland Department of Primary Industries.

Venue: Primary Industries Building, Conference Centre, 80 Ann St, Brisbane

Date: Wednesday, 4th July 2001.

Participants: 120 people participated in the symposium.

Speakers:

Sir Colin Berry (UK): Risk communication: the need for changes in our methods.

Sue-Sun Wong (Taiwan): Safety evaluation and regulatory control of pesticide residues

Arata Katayama (Japan): Distribution and degradation of endocrine active substances in soil and water

Keiji Tanaka (Japan): Role of agrochemicals in successful IPM programs - global case studies.

Ken Racke (USA): Development and registration of reduced risk pesticides

Harry Kuiper (Netherlands): Transgenic crops: environmental and food safety issues

Baruch Rubin (Israel): Herbicide resistant transgenic cotton in Israel: benefits and risks.

Don Wauchope (USA): Predicted impact of transgenic herbicide-tolerant corn on water quality in vulnerable watersheds of the midwestern United States.

Allan Felsot (USA): Secrets of the Food Quality Protection Act: worker exposure and ecological risk characterization.

Jan Linders (Netherlands): Influence of interception and spray drift for governmental registration of pesticides, examples from The Netherlands.

The symposium was organised by Commission 640. Visitors from Queensland and other parts of Australia and New Zealand together with overseas delegates to the IUPAC General Assembly participated. Denis Hamilton (640, Queensland DPI) is thanked for his efforts in organising this very interesting and well-attended symposium on pesticide issues.

15. Next meetings

DCE Committee meeting. Europe 2002, place and date to be arranged.

42nd General Assembly 8-17 August, 2003, Ottawa, Canada

Appendix 1: IUPAC project approval process
- as at June 2001 (Email unless noted)

- 1 Proposal moves through preliminary drafts and acceptance within the Division and sub-committee(s).
- 2 Proposer finalises project proposal on official form, including 4-6 suggested external reviewers. Note: the advice included on the form as to required information should be closely followed.
3. Send to secretariat@iupac.org (Dr Fabienne Meyers), and copied to Div. President and Secretary.
- 4 Dr Meyers enters project into system, assigns a DCE-** tracking code and sends to Div. Committee.
- 5 President DCE recommends that the project go for external review, taking into account any comments and suggestions from committee members.
- 6 Dr Meyers sends proposal to 4 - 6 external reviewers.
- 7 Dr Meyers receives and collates reviewer comments and sends to proposer, copied to Div. Secretary
- 8 Proposer sends revised project to Div. Secretary who distributes to Div. Committee with reviewer comments.
- 9 Div. Committee, or Bureau (interdiv. projects) formally accept the revised project (in light of comments) and assign a budget.
- 10 Secretariat assigns a formal project number and write to proposer, copied Div. President and Secretary.
- 11 Project proceeds under management of the project leader but with annual reviews of progress by sub-committee and Divisional Committee.
- 12 At project completion the Div. Committee approves the final report and recommendations prior to publication.