DECISIONS

29th GENERAL ASSEMBLY

International Conference Center ‘Joaquim Chissano’
(CICJC)
41 Av. da Marginal
Maputo, Mozambique
21-24 October 2008

1. Welcome and Opening of the General Assembly

The President of ICSU introduced representatives of seven of the key partners of ICSU (UNESCO, WMO, ISSC, TWAS, IAC, IAP, CAETS), who each addressed the Assembly briefly. The formal Opening Ceremony then took place with speeches by:

   Patricio Sande, President, AICIMO (ICSU National Member)
   Goverdhan Mehta, President of ICSU
   H.E. Venancio Simao Massingue, Minister of Science and Technology, Mozambique
   H.E. Armando Emilio Guebuza, President of Mozambique

The List of Participants is attached as Annex 1.

2. Adoption of the Agenda

The Draft Agenda was circulated to Members on 20 December 2007. Although certain items on the last day were taken out of order, these Decisions follow the order of the Agenda as distributed to participants at the start of the Assembly.

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<td>2.1</td>
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<td>To approve the Agenda.</td>
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3. Appointment of Resolutions Committee and Tellers

3.1 Resolutions Committee

The Assembly appointed the following persons as members of the Resolution Committee:
Norbert Kroó (Hungary), Chair  
Margaret Avery (INQUA)  
Robert James (Canada)  
John Buckeridge (IUBS)

3.2 Tellers

The following persons were appointed as tellers:

Dun Liu (IUHPS)  
Gabriel Macaya (Costa Rica)  
Tamsin Mather (UK)

**Decision**  
3.1 To appoint the Resolutions Committee and Tellers.

4. Secretary-General’s Report

The Report of the 28th General Assembly was approved by Members in January 2006 and subsequently posted on the ICSU website.

The Secretary-General highlighted some of the activities of the Secretariat over the last three years, including the establishment of the Regional Offices, celebration in Paris of ICSU’s 75th anniversary in 2006 and the organization of the Young Scientists’ Conference in 2007.

**Decision**  
4.1 To note the Secretary-General's Report.

5. Reports from Union and National Members' Fora

Reports from the Unions and National Members Fora were presented. These fora were designed to enable preparatory discussions on the key items for decision at the General Assembly.

The Chairs of the Fora, Sergio Pastrana (National Members) and Bryan Henry (Union Members), briefly summarised the key discussion points.

**Decisions**  
5.1 To note the reports from the Unions and National Members Fora.


The first ever ICSU Strategic Plan was approved at the 28th General Assembly. This plan covered the 6-year period 2006-2011 and progress in addressing specific priorities during the first three years of this period was covered in the major agenda items of the General Assembly. Members had access to an implementation matrix on the ICSU
website which had been constantly updated to provide information on the implementation of individual sections of the Strategic Plan. The Executive Director amplified the information given in the matrix.

### Decision

| 6.1 | To note the overall progress in implementing the Strategic Plan 2006-2011. |

### 7. International Polar Year (IPY)

The International Polar Year (IPY) 2007-2008 (1 March 2007 to 1 March 2009) was the major new international programme established at the 28th ICSU General Assembly. The programme, cosponsored by the World Meteorological Organization (WMO), was launched in Paris on 1 March 2007. It was implemented with support from the International Programme Office (IPO) hosted by the British Antarctic Survey. The IPY planning and coordination was the responsibility of a Joint Committee, which was formed by ICSU and WMO in 2005 and supported by them until 2009.

IPY was a resounding success. Tens of thousands of scientists from over 60 countries were engaged in an interdisciplinary research programme that spanned the biological, social, and physical sciences. Approximately 120 projects were well funded within the IPY framework. These represented over $400 million of “new” research funds over the two years, in addition to roughly $800 million of existing polar research funding devoted to IPY. Engagement of early career scientists was strong. Over 1200 young scientists had organized themselves as the Association of Early Polar Career Scientists (APECS). A strong education, outreach, and communication component had developed, and exciting science results were beginning to emerge. These results were to be featured at three IPY conferences co-sponsored by ICSU—in Russia in 2008, Norway in 2010, and Canada in 2012.

IPY stimulated tighter coordination among members of the ICSU family with polar interests. The Scientific Committee on Antarctic Research (SCAR) and the International Arctic Science Committee (IASC) formalized their shared interests through a Memorandum of Understanding (MOU). In July 2008 they jointly organized the first ever Antarctic-Arctic research conference to examine early results from IPY. SCAR and IASC further cemented relations through joint Memoranda of Understanding (MOUs) with the International Association of Cryospheric Sciences (an association within the International Union of Geodesy and Geophysics), and with the Climate and Cryosphere Project of the World Climate Research Programme, which ICSU co-sponsors with WMO and the Intergovernmental Oceanographic Commission of UNESCO. Such arrangements build the foundation for ICSU’s organized and sustained attention to polar issues.

The IPY Joint Committee, reflecting the discussions within the polar community, was now focused on securing the legacy of IPY. Dramatic changes in the polar regions continued to display and promise global impacts, and it would be crucial to sustain networks for observation and data, education and outreach, and development of early career scientists established during IPY. This legacy would also require syntheses of the IPY science outcomes that would emerge in the next several years. In addition, the IPY Joint Committee was concerned about the condition of IPY data management. The
lessons from IPY provided a motivation and case study that could inform and catalyze transformation of ICSU’s data management components into an efficient, effective, and strategic World Data System (see Agenda Item 16). CODATA expressed its shared interests and willingness to help with respect to data access and preservation issues. Decisions 7.4 and 7.5, which relate to IPY data, were proposed from the floor and adopted by the GA.

ICSU Members lauded the implementation of IPY as an effective model from which to draw lessons, in particular with respect to outreach to policymakers and young people. Freely available web-based networking tools were emphasized as critical in this regard. In his presentation to the GA, D. Carlson also noted that finding a common problem has been an effective way of ensuring interdisciplinary cooperation on projects.

Further topics of discussion included: the future of the International Programme Office and related activities; global implications of changes at the poles; the value of a short snapshot of intense data collection over two years; cooperation of IPY with the International Heliospherical Year, the electronic Geophysical Year, and the International Year of Planet Earth. The Global Climate Observing System (GCOS) representative expressed willingness of GCOS to champion sustained observations in the polar regions.

**Decisions**

7.1 To extend deep appreciation to the members of the IPY Joint Committee, its subsidiary groups, and the International Programme Office for their tireless work in making the IPY a major success;

7.2 to work with WMO to ensure that the legacy of IPY is secured;

7.3 to discuss with SCAR, IASC, and other relevant bodies within ICSU the options for ensuring ICSU’s sustained attention and action on polar issues;

7.4 to urge all IPY Projects to explicitly identify and fully share the data they collect as part of IPY, in full accordance with the IPY data policy; and

7.5 to urge all ICSU Members to support formal stewardship and long-term preservation of IPY data through a distributed, internationally recognized and supported IPY Data and Information Service in collaboration with the proposed ICSU World Data System.

8. Integrated Research on Disaster Risk

In line with the actions outlined in the Strategic Plan 2006-2011, the 28th General Assembly decided that the CSPR should establish a Planning Group, in consultation with the ICSU membership, charged with the planning of a major new ICSU initiative on Natural and Human-induced Environmental Hazards and Disasters, it being understood that any such initiative should build on ongoing efforts in the geosciences and biological sciences, and must expand well beyond those fields.

The Planning Group had held five meetings in all, and successive iterations of its Report had been sent to ICSU Members, Interdisciplinary Bodies, and partner organizations for comment and suggestion. In recognition of the complexity of the task of defining a new
interdisciplinary programme in the area of natural hazards, and of the need for wider consultation and debate among potential partners and sponsors, the Planning Group’s original mandate was extended until the 29th General Assembly.

It was the assessment of the ICSU Planning Group that, despite all the existing or already-planned activities on natural hazards, an integrated research programme on disaster risk reduction, sustained for a decade or more and integrated across the hazards, disciplines and geographical regions, was an imperative. The value-added nature of such a programme would rest with the close coupling of the natural, socio-economic, health and engineering sciences.

The final version of the Planning Group’s Report had been submitted for consideration by the CSPR at its 15th Meeting, and subsequently to the Executive Board at its 97th Meeting. The Executive Board had decided to approve the Report for publication and wide distribution; it also agreed to recommend to the 29th General Assembly that ICSU establish a major new interdisciplinary programme of ten years’ duration entitled Integrated Research on Disaster Risk – the challenge of natural and human-induced environmental hazards (acronym: IRDR), in collaboration with other international organizations, both within the ICSU family and beyond.

Gordon McBean, Chair of the Planning Group, presented the Group’s work and conclusions as set out in its Final Report

During the course of the discussions that followed, several National Members expressed interest in hosting the International Project Office for IRDR. The Executive Director of the International Social Science Council confirmed that the ISSC Executive Committee would be making a recommendation to the Council’s General Assembly at its forthcoming session on 10-12 November 2008 that ISSC co-sponsor the IRDR programme.

**Decisions**

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<th>No.</th>
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<tr>
<td>8.1</td>
<td>To establish a major new interdisciplinary programme of ten years’ duration entitled <em>Integrated Research on Disaster Risk – the challenge of natural and human-induced environmental hazards</em> (acronym: IRDR), in collaboration with other international organizations;</td>
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<td>8.2</td>
<td>to recognize IRDR as an Interdisciplinary Body and request the Executive Board to establish, in consultation with Members and other sponsors, a Scientific Committee for the programme, with members serving a three-year term, renewable once; and</td>
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<td>8.3</td>
<td>to set up an International Project Office for the IRDR, subject to satisfactory negotiations with interested partners and the completion of an MoU between ICSU and the host organization.</td>
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**9. Ecosystem Change and Human Well-being**

The Millennium Ecosystem Assessment (MA) was requested by the Conference of Parties of four biodiversity-related Conventions (Biodiversity, Wetlands, Desertification, and Migratory Species) and commissioned by United Nations Secretary General Kofi Annan in 2000 to provide a synthesis of the state of knowledge concerning
the consequences of ecosystem change for human well-being and actions that could be taken to respond to harmful changes. The final results were presented in 2005 to the Secretary General and the world’s media. ICSU was one of the institutional partners and the results were also presented to the ICSU 28th General Assembly in 2005.

The MA reported for the first time that 66% of the ecosystem services it had assessed were in decline and downward trends could be expected to continue if immediate action was not taken. The MA had also for the first time explicitly made the link between ecosystem services and human well-being and warned the world’s leaders that continued decline in ecosystem services would be a barrier for many developing countries to achieve the Millennium Development Goals (MDGs). However, there were many areas where a quantitative assessment could not be made and the need for additional research was highlighted. Thus, the GA decided (Action 11.1) to “request the Executive Board to work with partners to develop follow-up mechanisms based on the Millennium Ecosystem Assessment in order to address additional research needs, to stimulate further sub-global assessments and promote methodological advances to link spatial and temporal scales”.

The ICSU Strategic Plan 2006-2011 included the following Specific Action:

ICSU will also work with partners to develop a follow-up mechanism based on the Millennium Ecosystem Assessment to address additional research needs, to stimulate further sub-global assessments and promote methodological developments to link spatial and temporal scales.

Together with UNESCO and the United Nations University (UNU), the CSPR established an ad hoc Group of experts with relevant natural and social science disciplinary competence representing experiences from the MA as well as the relevant sub-global assessments to produce a report on the priority research gaps that needed to be filled in order to improve any future global or sub-global Millennium Ecosystem Assessment. The ad hoc Group met three times and the final report was sent to Members for review.

Under the leadership of the United Nations Environment Programme (UNEP) and the United Nations Development Programme (UNDP), ICSU also participated in a number of other efforts to implement the findings of the MA. The follow-up strategy included the following components:

1. Build the knowledge base, which included the report now presented to the GA for discussion, but also the stimulation of additional sub-global assessments coordinated by UNU. The ICSU Regional Office for Asia and the Pacific was involved in these efforts.

2. Integrate the MA ecosystem service approach into decision-making at all levels (done primarily through the World Bank and UNDP plus various national initiatives).

3. Disseminate the MA through outreach programmes; and

4. Plan for future global ecosystem assessments. The process initiated by the Government of France on an International Mechanism of Scientific Expertise on
Biodiversity (IMoSEB) had been running in parallel and had concluded its work. In the future developments, the MA and the IMoSEB processes would be combined. UNEP would invite to an international intergovernmental meeting in November 2008 to consider the establishment of an Intergovernmental Science Policy Platform on Biodiversity and Ecosystem Services (IPBES) and the need for a second global assessment on biodiversity and ecosystem services. ICSU had engaged to bring the two efforts together.

ICSU would be a central partner, on behalf of the international science community, in the future developments. DIVERSITAS was also central, since it had been intimately engaged in IMoSEB. The other global change research programmes and the Earth System Science Partnership (ESSP) had also important complementary roles to play.

Hal Mooney, Chair of the ICSU-UNESCO-UNU ad hoc Group, presented the conclusions as set out in the Group’s final report, including the recommendation for a new interdisciplinary programme.

### Decisions

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<tr>
<td>9.1</td>
<td>To establish a major new interdisciplinary programme of ten years’ duration entitled Ecosystem Change and Human Well-being;</td>
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<td>9.2</td>
<td>to recognise this programme as an Interdisciplinary Body and request the Executive Board, in consultation with Members, UNESCO and UNU, to establish a Scientific Committee for the programme, with members serving a three-year term, renewable once;</td>
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<tr>
<td>9.3</td>
<td>to set up an International Project Office for the programme, subject to satisfactory negotiations with interested partners and the completion of an MoU between ICSU and the host organization; and</td>
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<td>9.4</td>
<td>to continue involvement with key partners in continued implementation of the findings of the Millennium Ecosystem Assessment and the preparation for a new global assessment on ecosystem services and human well-being.</td>
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### 10. Health and Well-being in the Changing Urban Environment

In line with the actions outlined in the Strategic Plan and agreed at the 28th General Assembly, the CSPR had established an ad hoc Scoping Group in 2006 to define how ICSU might contribute to science for human health. This scoping exercise liaised with both the Science for Health and Well-being (SHWB) initiative of the Scientific Unions and the Global Environmental Change and Human Health project that was being developed by the Earth System Science Partnership (ESSP). It concluded that there was potentially a unique niche for ICSU to build on these two ongoing activities and develop a new programme focussing on “a Systems Analysis Approach to Health and Well-being in the Changing Urban Environment”. The scoping report was sent to Members for consultation and presented at meetings of the Unions and ICSU Executive Board in April 2007. It was positively received and the decision of the Board was to request the CSPR to establish a Planning Group, in consultation with the inter-union initiative and ICSU membership, to take forward the recommendations of the ad hoc Scoping Group.

A new Planning Group was established by the CSPR and met for the first time in January 2008. This meeting was held at the International Institute for Applied Systems
Analysis (IIASA, Vienna) in association with an exploratory workshop that brought together many of the Unions and other scientists with an interest in urban health and well-being. A second meeting of the Planning Group was held in June 2008, again at IIASA, with a particular focus on the use of systems analysis and modelling. It was expected that several more planning meetings would be necessary in 2009 and 2010 in order to develop a convincing and feasible science plan for a new interdisciplinary programme.

The Deputy Executive Director gave a presentation on this initiative. This focused mainly on the work of the scoping group and the justification for the selected topic. In discussion, it was clarified that this programme was very different, both conceptually and in terms of practical requirements, to the previously presented Ecosystem Change and Well-being programme. At the same time it was recognised as important to ensure communication between the two activities.

### Decisions

10.1 To note the progress to date in developing a new initiative on human health and well-being;
10.2 to note the importance of the Scientific Unions and the partnership with the International Institute of Applied Systems Analysis (IIASA) in taking this initiative forward; and
10.3 to request the Executive Board to continue to support this planning exercise and, after full consultation with Members, to consider the implementation of a new initiative.

### Presentations by candidates for Officers

The seven candidates for election to positions as Officers gave brief presentations of their credentials and their vision for ICSU.

### 11. Reviews of Global Environmental Change Programmes

The ICSU Strategic Plan states: “ICSU will conduct individual reviews of its global environmental change research programmes [DIVERSITAS, International Geosphere-Biosphere Programme (IGBP), International Human Dimensions Programme (IHDP) and World Climate Research Programme (WCRP)]. Special attention will be given to the development of the Earth System Science Partnership (ESSP), which brings together the four programmes to address issues that are integral to sustainable development”. This action followed from the recommendation from the Environment and its Relation to Sustainable Development report (2003), which reviewed ICSU’s entire environmental portfolio. The IHDP was reviewed in 2005, and the 28th General Assembly noted the plans of the CSPR to conduct a review of each of the remaining Global Change Research Programmes in 2006-2011.

All these reviews were overseen by the CSPR. The primary goal of each of the reviews was to determine the added-value, but they also examined the science, governance, engagement with the wider community, capacity building and resources of the particular organization. The ESSP review (2007-2008) was sponsored by ICSU and the
International Group of Funding Agencies for Global Change Research (IGFA). The WCRP review (2008-2009) was sponsored by ICSU, the World Meteorological Organization (WMO), the Intergovernmental Oceanographic Commission (IOC) of UNESCO and IGFA; and the IGBP review (2008-2009) was sponsored by ICSU and IGFA. DIVERSITAS would be reviewed by its co-sponsors and IGFA in 2010-2011.

IHDP

The ICSU-ISSC Assessment of the International Human Dimensions Programme on Global Environmental Change (IHDP) was conducted under the chairmanship of Leen Hordijk and published in 2006. The two main recommendations from the report were that IHDP’s work should be guided by updated mission and vision statements and that the programme should develop a Strategic Plan to address how to make decisions among competing priorities. In response to the assessment, the programme’s vision and mission were updated to focus more on societal responses to global environmental change and IHDP published its first Strategic Plan (2007-2015), which was favourably reviewed by the CSPR. Leah Goldfarb of the ICSU Secretariat presented the report to the General Assembly on behalf of the IHDP Panel.

ESSP

The ESSP Review Panel recommended a strengthened ESSP and outlined the actions necessary to achieve this. In response, the Partnership had started to draft a scientific strategy and plans incorporating a stakeholder dialogue, as recommended in the review. In the review report, several scenarios for development were suggested along with a timeline for implementation. The global environmental programmes which currently sponsored the ESSP had already started to work more closely together, again as recommended by the Review Panel. Lídia Brito, a member of the ESSP Review Panel, presented the committee’s work, conclusions and recommendations to the General Assembly.

It was noted that once the IGBP and WCRP reviews were finished, the CSPR would organize a meeting to outline options for the needed framework for global environmental change research and its policy relevance.

IGBP and WCRP

The IGBP and WCRP Review Panels each met three times in 2008, most recently for a final, joint meeting on 10-12 September. Initial drafts of their reports were provided in the GA documentation for information. The final versions would be available in early 2009.

The two reviews shared a common approach. Following initial organizing meetings in January 2008, each Panel met for a second time once its representatives had participated in the Scientific Committee meeting of the relevant programme. Both Panels gathered information from published material and by sending questionnaires to programme scientists, sponsors, funders, and the broader stakeholder community including the ICSU family. In addition, the Panels conducted individual interviews with key people and held conversations with the leadership of each programme, both at the scientific committee meetings and at the secretariats in Stockholm (IGBP) and Geneva (WCRP).
Coleen Vogel, a member of the IGBP Panel, presented the committee’s work and draft recommendations and conclusions to the General Assembly. Catherine Cesarsky, a member of the WCRP Panel, made a similar presentation on that Panel’s behalf.

**Decisions**

11.1 To note the progress in reviewing the global environmental change programmes;
11.2 to note that CSPR is planning to organize a consultation, including a high-level meeting, with relevant partners to outline options for an overall framework for global environmental change research and its policy relevance, once the reviews of IGBP and WCRP are completed;
11.3 in light of this consultation, to delegate to the Executive Board the decision on whether to recognize the ESSP as an Interdisciplinary Body; and
11.4 to request the EB to ensure strengthened involvement of scientists from developing countries in the global environmental change programmes sponsored by ICSU.

12. **Scientific Committee on Problems of the Environment (SCOPE)**

In 2007, at the request of the Scientific Committee on Problems of the Environment (SCOPE), a review of this committee was undertaken and ICSU was its sole sponsor. This review was carried out by a consultant (Geoffrey Oldham) with advice from an independent expert Reference Group and support from the ICSU Secretariat. The review concluded that SCOPE had had an illustrious past and, particularly in its early days, made many contributions to knowledge and to policy. More recently, several environmental organizations had conducted their own scientific assessments and these provided competition for SCOPE’s assessments. They also provided competition for available financial and human resources. The assessment landscape was very complex including major intergovernmental exercises, such as the Intergovernmental Panel on Climate Change (IPCC) and the Millennium Ecosystem Assessment (MA). As part of an effort to strengthen the science base of the United Nations Environment Programme (UNEP), ICSU had been involved in discussions to map the assessment landscape. One of the conclusions from that exercise was that the scientific community was increasingly finding it difficult to devote the time necessary to conduct major assessments of the scientific understanding of key issues. In addition to such major international assessments, many other organizations, including ICSU Interdisciplinary Bodies, conducted targeted assessments as part of their own evolving agendas. It was difficult today to make the case for having a separate ICSU Interdisciplinary Body on environmental assessments. In addition, the financial situation facing SCOPE was acute.

After careful consideration and following the CSPR’s recommendation, the Executive Board decided to recommend to the General Assembly that SCOPE cease to be an Interdisciplinary Body of ICSU, after a suitable transition period. SCOPE being a membership organization including National Members and Scientific Unions had independent legal status in France. Thus, it was up to the SCOPE governance structures to decide on the future of the organization.
The review report and recommendations from the Executive Board were presented by the CSPR Chair, Khotso Mokhele. The President of SCOPE, Osvaldo Sala, made a brief presentation of an alternative proposal for the future of SCOPE, which entailed the continuation of its Interdisciplinary Body status.

During the course of the discussion that followed, the representative of the UK Royal Society expressed the Royal Society’s wish to provide SCOPE space to deliberate on its future. For this they offered to give SCOPE support to hold its General Assembly in 2009 in the UK.

### Decision

12.1 To agree that after a suitable transition period of no more than two years SCOPE will cease to be an ICSU Interdisciplinary Body.

### 13. Committee on Freedom and Responsibility in the conduct of Science (CFRS)

As part of the development of the Strategic Plan, a strategic review, Science and Society: Rights and Responsibilities (ICSU 2005), was conducted. The key recommendation of this review with respect to the Principle of Universality was that ICSU should take on a broader remit than that previously entrusted to the Standing Committee on Freedom in the Conduct of Science (SCFCS). To this end the 28th General Assembly agreed to replace the SCFCS with a new Committee on Freedom and Responsibility in the conduct of Science (CFRS).

After solicitation of nominations from Members, the CFRS was established and met for the first time in November 2006. It held its fifth meeting immediately prior to the General Assembly.

A major activity of the CFRS had been the development of a booklet on freedom and responsibilities to replace the previous SCFCS handbook (the ‘blue book’). A draft of this document was sent out to all Members for consultation and it had been revised extensively taking into account the comments received. The final version was published in time for distribution at the General Assembly. This document emphasised that all ICSU Members had a key role to play in promoting the Principle of Universality.

Bengt Gustafsson, the Chair of CFRS, presented the Committee’s work to date and future priorities. He highlighted the plans for workshops to be implemented in partnership with Member organisations. It was recognised that the committee’s work plan was ambitious and could only be fully implemented with additional resources.

### Decisions

13.1 To note the report of CFRS activities;
13.2 To note the work plan and agree, as Members, to support CFRS in implementing the proposed activities; and
13.3 To endorse the CFRS booklet on Freedom, Responsibility and Universality of Science and the role of ICSU Members in assisting CFRS in promoting the freedoms and responsibilities inherent in the Principle of Universality.
14. Enhancing the Involvement of Social Sciences in ICSU

The Strategic Plan 2006-2011 included the following specific action: *ICSU collaboration with the International Social Sciences Council as cosponsors of the International Human Dimensions Programme will continue. ICSU will increasingly seek productive collaboration in areas of social science, where it lacks expertise.*

In addition, the 28th General Assembly passed a resolution requesting the Executive Board to explore and identify the most appropriate mechanisms for securing the interaction and added value of the social sciences in ICSU’s scientific work. Three background documents, developed by the CSPR as input to its discussion, were sent to the ICSU Members for review and comments.

The CSPR had an in-depth discussion and approved a report with recommendations on how to strengthen social sciences in ICSU for consideration by the Executive Board. The CSPR noted with satisfaction the increased collaboration with the International Social Science Council (ISSC) and the considerable involvement of many social scientists in the work of ICSU. The committees that developed the Ecosystem Change and Human Well-being and Integrated Research on Disaster Risk reports presented to the GA for approval included many social scientists. It was clear that a strong basis of both natural and social sciences was becoming increasingly important in programme development. The 28th General Assembly resolution initiated a valuable reflection on how ICSU could continue to strengthen this vital involvement of relevant social science disciplines in its work.

The 28th General Assembly also recognized the need for members of the Executive Board to come from different clusters of disciplines, including social sciences. It decided to change the ICSU Rules of Procedure so that voting for Union representatives on the Executive Board ensured that the following clusters were represented:

- Physical, chemical and mathematical sciences
- Biological sciences
- Earth and space sciences
- Social sciences.

Based on discussion of the CSPR document, the Executive Board decided to “*include a discussion on the role of social sciences in the programme for the Union and National Members Fora at the General Assembly; and to submit the report to the General Assembly for discussion and approval*.”

Michel Denis presented the report on behalf of the Executive Board. In the discussion, several Members expressed strong support for the conclusions put forward.
**Decisions**

14.1 To note the strengthened involvement of social scientists in the planning of new initiatives as part of the implementation of the ICSU Strategic Plan 2006-2011 and to further enhance this as relevant;

14.2 To request National Members, especially those that include social sciences, to assist ICSU in identifying social scientists to serve on relevant ICSU planning and review committees to ensure that such initiatives have proper balance among relevant disciplines;

14.3 To work with the International Social Science Council (ISSC) as a key partner in strengthening international social science of relevance for implementing ICSU’s Strategic Plan and to engage ISSC in the dialogue concerning the development of the Second Strategic Plan 2012-2017;

14.4 To assist ISSC in strengthening its programme by identifying scientists, as appropriate, who could help inform the further development of ISSC; and

14.5 To consider applications from social science Unions in order to strengthen the involvement of social sciences in the development of the ICSU agenda.

**15. Election of Officers**

The final list of nominations for Officers consisting of the Nominating Committee’s slate and one resubmission was sent to Members in September. No new submissions were received.

Ordinary Members were elected under Agenda Item 22.

**Decision**

15.1 To elect Yuan Tseh Lee (President-Elect), Kari Raivio (Vice-President for Scientific Planning and Review), Reiko Kuroda (Vice-President for External Relations), Maurice Tchuente (Secretary-General), and Hans-Rudolf Ott (Treasurer) (see Annex 2).

**16. Report from the Strategic Committee on Information and Data (SCID)**

Following the decision of the 28th General Assembly, an *ad hoc* Strategic Committee on Information and Data (SCID) was established by the CSPR in February 2007. It was charged with analysing and making recommendations on the future structure and directions of three Interdisciplinary Bodies - the World Data Centres (WDC), the Federation of Astronomical and Geophysical data analysis Services (FAGS), and the Committee on Data for Science and Technology (CODATA) - and identifying any other actions that might be necessary to facilitate a coordinated global approach to scientific data and information. The Committee met three times and, after consultation with Members, produced a final report in June 2008.

The key recommendations in the SCID report had been considered and endorsed by both the CSPR and the Executive Board. These included the establishment of a new ICSU-World Data System that would be overseen by a dedicated scientific committee. In addition, it was proposed that a new *ad hoc* Strategic Coordinating Committee be established for a limited time period.
Ray Harris, who chaired the SCID, presented the committee’s work, conclusions and recommendations to the General Assembly.

**Decisions**

16.1 To confirm that ICSU will continue to assert a strategic leadership role in relation to scientific data and information;
16.2 to establish a new ICSU-World Data System as an Interdisciplinary Body to replace the WDC and FAGS;
16.3 to request CODATA to focus its efforts on implementation of the three main initiatives in its strategic plan;
16.4 to establish an *ad hoc* Strategic Coordinating Committee for Information and Data for three years, renewable for one further period of three years; and
16.5 to note the recommendation that Members of ICSU are encouraged to establish committees or commissions, where these do not already exist, focusing on data and information issues.

**17. Reports from Regional Offices**

Based on the recommendations of a review of the ICSU Committee on Science and Technology in Developing Countries (COSTED), the ICSU 27th General Assembly decided in 2002 to replace COSTED by a) a Policy Committee on Developing Countries (PCDC), to provide vision and advice to the ICSU Executive Board on its work relating to science and technology in developing countries; and b) ICSU Regional Offices in Asia and the Pacific, Africa, the Arab Region, and Latin America and the Caribbean. These would support the work of ICSU and its Scientific Unions and National Members, as well as partner organizations, in promoting science and technology.

ICSU Regional Offices for Africa, Asia and the Pacific and Latin America and the Caribbean had been inaugurated. Regional Committees had been established to guide the development of the programmes of the Regional Offices and Regional Consultations had been organized to ensure full involvement of the ICSU family and key partners in the development of the identified priority areas for the initial programmes of the Regional Offices.

The ICSU Secretariat made several efforts to organize a First Regional Consultation for the Arab Region and finally the Jordan Royal Scientific Society officially offered to host the meeting. The consultation was planned to take place in Amman on 16-17 March 2008. The meeting was designed to bring together all the ICSU National Members in the region, as well as representatives from institutions in countries that did not yet have National Members. Unfortunately, two weeks before the start of the meeting, only two National Members had registered to attend the Consultation and the Executive Director, after consultation with the host, the Royal Scientific Society of Jordan, decided to postpone the Regional Consultation. All National Members in the region were invited to an informal consultation during the General Assembly. During this informal consultation regional members offered to help ICSU in its efforts to set-up this Regional Office.
17.1 Africa

The ICSU Regional Office for Africa was the first ICSU Regional Office formally opened, in Pretoria, South Africa, in 2005 and was housed at the National Research Foundation (NRF). The Office was directed by Sospeter Muhongo and received strategic guidance from the Regional Committee for Africa, chaired by Gabriel Ogunmola. Taking the ICSU Strategic Plan 2006-2011 as a starting point, four priority areas were identified by the Regional Committee based on discussions at the First African Regional Consultative Forum (Harare, 2004): Health and Human Well-being, Sustainable Energy, Natural and Human-Induced Hazards and Disasters and Global Change. During 2006 four scoping groups, made up of leading African scientists, developed science plans for each of the priority areas. The draft plans were reviewed at the Second African Regional Consultative Forum (September, 2006) attended by over one hundred African scientists.

Three of the four plans were published in 2007 and the fourth plan (Global Environmental Change – including climate change and adaptation in Sub-Sahara Africa) was published in 2008. African experts, in collaboration with counterparts from outside Africa, were currently preparing project proposals based on the science plans.

The Regional Office had been very active in increasing the ICSU membership in Africa. ICSU national membership in sub-Saharan Africa was now 25 (23 National Scientific Members and 2 Scientific Associate). Jointly with NRF, the Regional Office had initiated an African Diaspora project, the goal of which was to identify the best ways of engaging the African Diaspora in STI activities in Africa, including the implementation of the projects being prepared on the four priority areas.

The Annual Report 2007 for the ICSU Regional Office for Africa can be found at http://www.icsu-africa.org/docs/arep_icsuroa.pdf.

17.2 Asia and the Pacific

The Asia and Pacific Office was inaugurated in September 2006 and was housed at the Academy of Sciences Malaysia (Kuala Lumpur). The Office was directed by Nordin Hasan and received strategic guidance from the Regional Committee for Asia and Pacific, chaired by Anupam Varma. At its second meeting (2006) the Regional Committee decided inter alia to establish three strategic planning groups: natural and human-induced environmental hazards and disasters; energy sustainability; and ecosystem approach in water, food and health research. These were considered priority areas for a regional focus of activities that would be coordinated by the Regional Office. A final draft of the science plan for hazards and disasters and the work of the other two scoping groups were reviewed at the Second ICSU Regional Consultation in November 2007 (Chiang Mai). The Regional Consultation approved the hazards and disasters plan and provided guidance for the other two priority areas.

The hazards and disasters science plan was finalized in July 2008 and it was expected that the science plan on ecosystems would be ready by the end of 2008, while the one on sustainable energy would be ready early in 2009.
The Office was actively collaborating with the United Nations University Institute of Advanced Studies (UNU IAS) Secretariat for Sub-global Assessments of Ecosystems; they hosted the First Meeting of Sub-global Assessments (SGAs) for the Millennium Ecosystem Assessment (MA) Sub-global Follow-up Programme (April 2008). During the meeting a strategy for follow-up to the SGAs, and the draft of the MA SGA Methods Manual were reviewed.

The Office was also working on strengthening linkages with ICSU Unions, Interdisciplinary Bodies and Scientific Associates and with regional science organizations in Asia and the Pacific.


### 17.3 Latin America and the Caribbean

The ICSU Regional Office for Latin America and the Caribbean was formally inaugurated in April 2007 and was housed at the Brazilian Academy of Sciences in Rio de Janeiro (Brazil). The Office was directed by Alice Abreu and received strategic guidance from the Regional Committee for Latin America and the Caribbean chaired by José Antonio de la Peña. During the First ICSU Regional Consultation for Latin America and the Caribbean (October, 2006) four priority areas were identified: Mathematics Education, Biodiversity, Sustainable Energy and Natural Disasters. Four Scientific Planning Groups had been created to prepare the science plans for the priority areas.

During the Fifth Regional Committee meeting (August, 2008) the Chairs of the Scientific Planning Groups were invited to present and discuss the first draft of their Science Plans with the Regional Committee members. The final drafts of the Science Plans would be presented to the Second ICSU Regional Consultation scheduled for November 2008, possibly concurrently with the Second Inter-American Meeting of Ministers of Science and Technology to be held in Mexico City.


The respective Chairs of the three Regional Committees presented the report for each Regional Office.

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<th>Decisions</th>
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<tbody>
<tr>
<td>17.1</td>
<td>to note with great satisfaction the establishment of the ICSU Regional Offices for Africa, Asia and the Pacific, and Latin America and the Caribbean;</td>
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<tr>
<td>17.2</td>
<td>to request the Executive Board to continue efforts to establish a Regional Office for the Arab Region in close consultation with the National Members of the region; and</td>
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<tr>
<td>17.3</td>
<td>to encourage National Members, Scientific Unions and Interdisciplinary Bodies to work with the ICSU Regional Offices in implementing their Science Plans.</td>
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18. **Policy Committee on Developing Countries (PCDC)**

The PCDC was established by the 27th General Assembly of ICSU in 2002 based on the recommendations from the COSTED Review Panel.

In the light of the impressive progress made by the Regional Offices and the new experience of how they operated in practice, the policy role and ‘added value’ of PCDC was less clear than when it was originally conceived. The Executive Board and Officers had carried out a preliminary consultation with the PCDC itself and with the Regional Committees to define the immediate needs. This process identified a clear need for a platform for exchange of experiences among the Regional Offices and for mechanisms to ensure better communication and shared understanding between ICSU at the international level and its Regional Offices and Regional Committees.

It was therefore proposed that an annual meeting of the ICSU Officers and Regional Committee Chairs and Directors be convened with a focus on strategic coordination. The primary goals of the annual meeting would be:

1. To provide a stronger link and platform for discussion between ICSU internationally (EB, CSPR and Secretariat) and ICSU regional efforts (Regional Offices and Regional Committees);
2. to ensure integration of regional and global priorities in developing and implementing ICSU Strategic Plans; and
3. to provide a platform for exchange of experiences among Regional Offices.

Further to this, it was proposed that a forward looking review of ICSU’s role in relation to science and technology in developing countries be conducted. This review was envisaged as providing essential input to the next ICSU Strategic Plan and would consider the roles of the Regional Offices and the PCDC in a broader strategic context. A decision on the longer term future of PCDC would be dependent on the outcome of the strategic review and it was proposed that, in the meantime, this committee be put on hold.

Hernan Chaimovich, ICSU Vice-President for External Relations, presented this item.

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<tr>
<td>18.1 To agree that an annual meeting of the ICSU Officers and Regional Committee Chairs and Directors be convened with a focus on strategic coordination;</td>
</tr>
<tr>
<td>18.2 in preparation for the next Strategic Plan, to request that the CSPR carry out a forward looking strategic review of ICSU’s role in relation to science and technology in developing countries; and</td>
</tr>
<tr>
<td>18.3 to agree that the Policy Committee on Developing Countries (PCDC) be put in abeyance.</td>
</tr>
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</table>
19. **Report on other strategic activities and planning for the next Strategic Plan 2012-2017**

One of the decisions of the 28th General Assembly was “to request the Executive Board to present plans to the 29th General Assembly (2008) for the development of a Second Strategic Plan for ICSU 2012-2017”.

At their meetings in April and May 2008, the CSPR and Executive Board had initial discussions on the development of the next Strategic Plan. The preliminary ideas arising from these discussions were summarised in a briefing paper for the Assembly. The Vice-President for Scientific Planning and Review presented these ideas and emphasised that the engagement of the whole ICSU community over the next three years would be critical. In order to start the consultation process, he invited all Members to submit their initial priorities, based on the briefing paper.

One of the priority areas in the current Strategic Plan was sustainable energy and, in this regard Members were informed of the somewhat disappointing performance of the International Science Panel on Renewable Energies (ISPRE) that was established by the 28th General Assembly. The first ISPRE report had been delayed by several months and was still awaited.

**Decisions**

19.1 To request the Executive Board to consider the future of ISPRE and take necessary actions in the context of ICSU’s overall strategic role in the area of energy;

19.2 to note the preliminary plans for developing the next ICSU Strategic Plan; and

19.3 to request the Executive Board to engage with Members in developing a second ICSU Strategic Plan 2012-2017, for approval at the 30th General Assembly.

20. **Report on Dues Structure and Recommendations from Executive Board**

The 28th General Assembly of ICSU in October 2005 took the following decision with regard to the dues’ structure of ICSU:

“to request the Executive Board to establish a working group, in full consultation with Members, to consider the Member dues structure. The Working Group shall report back to the EB as soon as possible. The EB shall then submit the report and the EB’s recommendation to the Members for a vote by whatever means it determines to be expeditious”.

The Report of this Working Group was discussed by the Executive Board in October 2007 and then sent to Members for comments. The comments received were considered by a small sub-group of the Board at the time of the Officers meeting in January 2008 and again immediately prior to the meeting of the Board in May 2008.

At its meeting in May, the Board considered at some length the question of weighted voting, which had been raised by the Working Group and attracted a range of views from the Membership. After further consultation at the time of the Assembly, including
discussions in the National and Union Members’ fora, the Board finally decided not to make any recommendation on weighted voting at the present time. The recommendations put by the Board to the General Assembly were thus:

- Recommendations 1-11 in the Working Group's report be adopted with a modification to Recommendation 7 that the Unions be assigned to bands which would be based on their declared income from dues;
- the CSPR be asked to consider Recommendation 13 on Value for Money and propose future action.

The Report was presented by the Chair of the Working Group, Steve Thompson, and the recommendations of the Executive Board by Roger Elliott, Treasurer.

### Decisions

20.1 To adopt a new structure for dues:

1. For National Members, dues be based on a model based on raw GDP figures.
2. 10 bands be used, rather than the current 51.
3. A minimum payment of €1,000 be required.
4. A cap be placed on the top band amount (currently paid by the United States).
5. In-kind contributions to ICSU be encouraged and recognised in some way.
6. Four bands be created for Union dues.
7. Unions be assigned to bands which would be based on their declared income from dues.
8. The dues for Scientific Associates be maintained at €500.
9. The new dues structure be regarded as a “lower bound” by each member, with higher voluntary payments being encouraged.
10. Members may voluntarily move to a higher subscription band.

20.2 to request the CSPR to consider the question of value for money and propose future action to the Executive Board.

21. **Reports of the Treasurer and Chairman of the Committee on Finance**

A combination of the receipt of Member dues in euros (voluntarily in 2005 and 2006 and statutorily since 2007), a generous annual subvention from France (€500k since 2007) and careful financial planning and monitoring, had enabled the Secretariat to effectively implement the ambitious agenda agreed at the 28th General Assembly. The ICSU reserves were reasonably healthy and some judicious deployment of these over the next three years, together with a 3% inflation adjustment on dues from 2010, would allow implementation of the Strategic Plan 2006-2011 to continue apace, whilst the strategy for the next six year period was developed. It was noted that the income from UNESCO, which had historically been used to partially fund the grants programme, had continued to decline over the past three years and was uncertain for 2009-2012. Nevertheless, it was proposed that a small scale grants programme be maintained in the future.
21.1 Audited Accounts for 2005-2007

French law required audited accounts to be approved by the membership. Thus, National and Union Members had been requested to approve the audits through electronic General Assemblies in 2005-2007. The accounts for all three years had been approved, but voting by National Members was poor. As was seen from the Treasurer’s Report the economy had stabilized due to membership fees being payable in euros at nominal rates from 2007 and the French subvention which had been received as of 2007.

21.2 Budget 2008-2009

2008
The budget presented for approval by the Assembly was approved by the Executive Board at its meeting in May 2008. The differences in some budget lines were explained and it was pointed out that the projected deficit was almost exactly the same as in the 2008 budget approved by the previous General Assembly.

2009
Income was less than in the overall budget approved by the General Assembly in 2005, primarily due to changes in funds transferred through ICSU accounts from NSF. Dues were increased by 5% as decided by the 28th General Assembly.

21.3 Budget 2010-2012

It was proposed that the General Assembly approve an annual 3% inflation adjustment for the period. A new 5-year proposal had been submitted to NSF and was currently under review. The dues structure report included the NSF grant as part of the US dues. The budget assumed income from UNESCO at the current level for use in funding activities covered by the budget. It was probable that income would increase, but such additional funding would most likely be for earmarked purposes.

The CSPR would conduct at least one review (DIVERSITAS) during the period and additional financial support was necessary for a foresight study, reviews and other activities related to the preparation of the Second ICSU Strategic Plan 2012-2017.

The annual funding to the Regional Offices was kept at the current level with 3% inflation adjustment and, due to budget constraints, the grants programme was limited to €280k annually.

Bryan Henry presented the work of the Committee on Finance in overseeing ICSU’s finances over the past three years. Then Roger Elliot, the Treasurer, presented the overall financial situation and future budgets. It was noted that these were outline planning budgets and that some adjustments would inevitably be required, with the final annual figures being routinely agreed by the Executive Board.
Decisions

21.1 To note that the accounts for 2005, 2006 and 2007 have been approved by Members through electronic General Assemblies and to request all Members to vote on the accounts in future eGAs;
21.2 to discharge the Treasurer from liability;
21.3 to note the budgets for 2008 and 2009; and
21.4 to approve the budgets for 2010-2012 with a 3% inflation adjustment on membership dues for each year, taking decision 20.1 into account (Annex 3).

22. Election of Ordinary Members of Executive Board

The slate of nominations from the International Scientific Unions and the National Scientific Members were posted in the morning of Wednesday, 22 October.

Decision

22.1 To elect four Ordinary Members of the Executive Board from the International Scientific Unions (Bryan Henry, Dov Jaron, Bruce Overmier, and Uri Shamir) and four Ordinary Members from the National Scientific Members (Fu Congbin, Maurizio Iaccarino, Sergio Pastrana, and Abdul Hamid Zakri) (see Annex 2).

23. Proposals for new ICSU Members

23.1 Scientific Union Member

One application for Scientific Union membership in ICSU was presented to the Assembly for consideration from the International Union of Immunological Societies (IUIS)

23.2 Scientific Associate

One application for Scientific Associate status had been received from the Society for Social Studies of Science (4S).

Decision

23.1 To admit the International Union of Immunological Societies (IUIS) as an International Scientific Union Member; and
23.2 to admit the Society for Social Studies of Science (4S) as a Scientific Associate.

25. Adoption of Resolutions of the General Assembly

The Resolutions attached as Annex 4 were adopted.

A further proposed resolution on open access to scientific literature was not put forward by the resolutions committee and this issue was raised again from the floor. The proposed resolution would have committed ICSU to promoting open access to all scientific literature by every scientist anywhere in the world. It had been noted by the resolutions committee that ICSU already had a policy to promote ‘universal and
equitable access to scientific information’ that had been developed after careful deliberations during a priority area assessment exercise on data and information in 2005. ICSU, via bodies such as INASP and CODATA, was supportive of open access initiatives but did not consider open access as the exclusive means of ensuring better access worldwide. In discussion, it was also commented that the issues were not simple and paying to publish or author-pays publication models can create barriers particularly for scientists in developing countries. ICSU will continue to consider the important question of universal access to scientific publications, primarily though INASP, and data, primarily through CODATA and the new World Data Systems, as it prepares for its second Strategic Plan.

**Decision**

25.1 To adopt three Resolutions (Annex 4).

### 24. Incoming Presidential Address

Catherine Bréchignac, who assumed the Presidency of ICSU at the end of the Assembly, gave her Presidential Address in which she highlighted the importance of technologies for science as well as science for the development of technologies.

This was followed by a brief presentation by Deliang Chen, who would become Executive Director of ICSU on 1 February 2009.

### 26. Date and Place of 30th and 31st General Assemblies

The 28th General Assembly of ICSU held in Suzhou, China, in October 2005, recognized "the need to meet in different regions of the world"; and agreed that a six-year planning horizon for General Assemblies was desirable. The Assembly had authorized the Executive Board to decide on the locations of the 29th and 30th General Assemblies in 2008 and 2011. The Board agreed that the 29th General Assembly should be held in Mozambique and, at its 96th meeting in October 2007, accepted the invitation from the Consiglio Nazionale delle Ricerche, to host the 30th General Assembly in Rome, Italy.

Since 1990 ICSU had held, or would hold, General Assemblies in the following locations:

| 30th GA | Rome, Italy | 2011 |
| 29th GA | Maputo, Mozambique | October 2008 |
| 28th GA | Suzhou/Shanghai, China | October 2005 |
| 27th GA | Rio de Janeiro, Brazil | September 2002 |
| 26th GA | Cairo, Egypt | September 1999 |
| 25th GA | Washington DC, USA | September 1996 |
| 24th GA | Santiago, Chile | October 1993 |
| 23rd GA | Sofia, Bulgaria | October 1990 |

The Board also requested the Secretariat to seek invitations to host the 31st General Assembly in 2014. However, prior to the Assembly only one formal invitation had
been received (from the Academy of Sciences located in Taipei, China) and the Board, at its meeting immediately before the Assembly, taking into account the recommendation of the 28th General Assembly, therefore agreed to recommend to the Assembly that more invitations be sought.

During this session both the National Research Council of Canada and the Indian National Science Academy expressed an interest in hosting the General Assembly in 2014.

### Decision

26.1 To express thanks for the offer from Academy of Sciences in Taipei, China to host the 31st ICSU General Assembly; to reiterate the decision of the 28th General Assembly to meet in different regions of the world; and to solicit additional offers to host the 31st General Assembly, the final decision to be decided by the Executive Board.

27. **Any Other Authorized Business**

There was no other authorized business.

**Closing Ceremony:**

The Assembly heard closing speeches from the following persons:

- Catherine Bréchignac, President, ICSU
- H.E. Venancio Simao Massingue, Minister of Science and Technology
- H.E. Manuel Chang, Minister of Finance

There being no other business the President closed the Assembly at 18:30.

**Annexes**

- Annex 1 List of Participants
- Annex 2 Composition of Executive Board 2008-2011
- Annex 3 Budgets for 2010-2012
- Annex 4 Resolutions of General Assembly
29th General Assembly of ICSU

Address List of Participants

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ICSU EXECUTIVE BOARD  
2008-2011

<table>
<thead>
<tr>
<th>Officers</th>
<th>First appointed to EB</th>
<th>Term of Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Catherine Bréchignac</td>
<td>2007</td>
</tr>
<tr>
<td>Past-President</td>
<td>Goverdhan Mehta</td>
<td>1999</td>
</tr>
<tr>
<td>President-Elect</td>
<td>Yuan Tseh Lee</td>
<td>2008</td>
</tr>
<tr>
<td>Vice-President for Scientific Planning and Review</td>
<td>Kari Raivio</td>
<td>2008</td>
</tr>
<tr>
<td>Vice-President for External Relations</td>
<td>Reiko Kuroda</td>
<td>2008</td>
</tr>
<tr>
<td>Secretary-General</td>
<td>Maurice Tchuente</td>
<td>2008</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Hans-Rudolf Ott</td>
<td>2008</td>
</tr>
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Ordinary Members

<table>
<thead>
<tr>
<th>From Union Members:</th>
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<tbody>
<tr>
<td>Bryan Henry</td>
<td>IUPAC</td>
<td>2005</td>
</tr>
<tr>
<td>Dov Jaron</td>
<td>IUPESM</td>
<td>2008</td>
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<tr>
<td>Bruce Overmier</td>
<td>IUPsyS</td>
<td>2008</td>
</tr>
<tr>
<td>Uri Shamir</td>
<td>IUGG</td>
<td>2005</td>
</tr>
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<table>
<thead>
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<th>From National Members:</th>
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</thead>
<tbody>
<tr>
<td>Fu Congbin</td>
<td>China</td>
<td>2005</td>
</tr>
<tr>
<td>Maurizio Iaccarino</td>
<td>Italy</td>
<td>2008</td>
</tr>
<tr>
<td>Sergio Pastrana</td>
<td>Cuba</td>
<td>2005</td>
</tr>
<tr>
<td>Abdul Hamid Zakri</td>
<td>Malaysia</td>
<td>2008</td>
</tr>
</tbody>
</table>

---

1 No person, except the President or Past President, may serve on the Executive Board for more than 9 consecutive years. (Statute 28). Only the offices of Secretary General and Treasurer are renewable, once.

2 Ordinary Members of the Executive Board may be re-elected once.
ICSU BUDGET 2010-2012 IN EUROS

Approved by 29th General Assembly, October 2008

Where an exchange rate is necessary, this is based on rate in March 2008; 1$ = 0.64 €.

<table>
<thead>
<tr>
<th>INCOME</th>
<th>2010 BUDGET</th>
<th>2011 BUDGET</th>
<th>2012 BUDGET</th>
<th>Notes</th>
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<td></td>
<td>EB97</td>
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<td>EB97</td>
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<td>1. NON-EARMARKED</td>
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<tr>
<td>NdM</td>
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<td>2 198 806</td>
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<td>167 283</td>
<td>172 302</td>
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<tr>
<td>Associate Dues</td>
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<td>10 582</td>
<td>10 900</td>
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<td>Income from ICSU bank accounts</td>
<td>35 000</td>
<td>35 000</td>
<td>35 000</td>
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<td>NdM</td>
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<tr>
<td>Other income</td>
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<td>-</td>
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| II. EARMARKED |       |       |       |       |
| TR      |       |       |       |       |
| UNESCO Framework Agreement | 96 000 | 96 000 | 96 000 | 5 |
| LG      |       |       |       |       |
| ICSU Members Contribution to WCRP | 160 000 | 160 000 | 160 000 | 6 |
| LG      |       |       |       |       |
| NSF | 197 120 | 197 120 | 197 120 | 7 |
| TR      |       |       |       |       |
| France | 500 000 | 500 000 | 500 000 | 8 |
| Other income | - | - | - | 9 |
| TOTAL INCOME | 3 295 568 | 3 364 791 | 3 436 092 | |

<table>
<thead>
<tr>
<th>EXPENDITURE</th>
<th>2010 BUDGET</th>
<th>2011 BUDGET</th>
<th>2012 BUDGET</th>
<th>Notes</th>
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<tr>
<td></td>
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<td>EB97</td>
<td>EB97</td>
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<tr>
<td>RR</td>
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<tr>
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<tr>
<td>1.3 CF</td>
<td>5 200</td>
<td>9 200</td>
<td>5 600</td>
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<td>1.4 CFRS</td>
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<td>1.5 PCDC</td>
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<tr>
<td>1.6 Salaries</td>
<td>240 125</td>
<td>247 329</td>
<td>254 749</td>
<td>16</td>
</tr>
<tr>
<td>Sub-Total</td>
<td>470 427</td>
<td>446 573</td>
<td>436 549</td>
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</tbody>
</table>

| 2. JOINT INITIATIVES |       |       |       |       |
| LG       |       |       |       |       |
| 2.2 ICSU Members Contribution to WCRP | 160 000 | 160 000 | 160 000 | 6 |
| RR       |       |       |       |       |
| 2.3 IPY | 20 000 | 10 000 | 20 000 | 17 |
| Sub-Total | 180 000 | 170 000 | 180 000 | |

| 3. ICSU REGIONAL OFFICES |       |       |       |       |
| 3.1 Direct support | 108 150 | 111 395 | 114 737 | 18 |
| 3.2 Salaries | 112 901 | 116 288 | 119 778 | 18 |
| 3.3 Travel, additional support | 20 581 | 21 199 | 21 835 | 18 |
| Sub-Total | 241 632 | 248 882 | 256 350 | |

| 4. GRANTS PROGRAMME |       |       |       |       |
| CS       | 280 000 | 280 000 | 280 000 | 19 |

<p>| 5. SPECIAL INITIATIVES |       |       |       |       |
| TR       |       |       |       |       |
| 5.1 EB New Initiatives | 20 000 | 20 000 | 20 000 | 20 |
| EM       |       |       |       |       |
| 5.2 CSD | 7 957 | 8 800 | 8 442 | 21 |
| MB       |       |       |       |       |
| 5.3 Hazards | 41 474 | 44 010 | 45 355 | 22 |
| EM       |       |       |       |       |
| 5.4 Health | 25 400 | - | - | 23 |
| MB       |       |       |       |       |
| 5.6 Ecosystems and Human Well being | 25 750 | 26 523 | 27 318 | 24 |
| MB       |       |       |       |       |
| 5.7 Strategic data and information initiatives | 63 448 | 65 352 | 67 312 | 25 |
| RR       |       |       |       |       |
| 5.8 ESSP | 11 670 | 12 020 | 12 381 | 26 |
| CS       |       |       |       |       |
| 5.9 ESF/ICSU Conference | 20 000 | - | 20 000 | 27 |</p>
<table>
<thead>
<tr>
<th></th>
<th>MB</th>
<th>NdM 5.11 Salaries</th>
<th>Sub-Total</th>
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<tbody>
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<td>293 544</td>
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<td></td>
<td><strong>Sub-Total</strong></td>
<td><strong>510 693</strong></td>
<td><strong>470 249</strong></td>
</tr>
</tbody>
</table>

|       | MB 6.1 General Assemblies | 55 000            | 55 000          | 55 000          | 30            |
|       | EM 6.2.1 EB /Officers    | 98 600            | 87 400          | 104 500         | 31            |
|       | FK 6.2.2 EB at Unions/IB GAs | 24 300            | 25 000          | 25 700          | 32            |
|       | NdM 6.3 Salaries        | 240 125           | 247 329         | 254 749         | 33            |
|       | **Sub-Total**           | **418 025**       | **414 729**     | **439 949**     |

|       | MB 6.1 General Assemblies | 55 000            | 55 000          | 55 000          | 30            |
|       | EM 6.2.1 EB /Officers    | 98 600            | 87 400          | 104 500         | 31            |
|       | FK 6.2.2 EB at Unions/IB GAs | 24 300            | 25 000          | 25 700          | 32            |
|       | NdM 6.3 Salaries        | 240 125           | 247 329         | 254 749         | 33            |
|       | **Sub-Total**           | **418 025**       | **414 729**     | **439 949**     |

|       | JL/EM 7.1 Publications and Communication | 56 000            | 89 000          | 67 500          | 34            |
|       | MM 7.2 Informatics      | 65 100            | 65 100          | 67 600          | 35            |
|       | FK 7.3 Travel           | 26 066            | 26 848          | 27 654          | 36            |
|       | NdM 7.4 Salaries        | 190 806           | 196 530         | 202 426         | 37            |
|       | **Sub-Total**           | **337 972**       | **377 478**     | **365 180**     |

|       | EM 8.1 Staff development/training | 30 900            | 31 827          | 32 782          | 38            |
|       | TBF 8.2 Building maintenance & refurbishment | 12 600            | 11 300          | 10 400          | 39            |
|       | TBF 8.3 Office expenses   | 154 559           | 157 536         | 157 400         | 40            |
|       | NdM 8.4 Audit fees/Legal advice | 26 000            | 26 000          | 26 000          | 41            |
|       | NdM 8.5 Bank charges     | 15 000            | 15 000          | 15 000          | 42            |
|       | NdM 8.6 Salaries         | 682 255           | 702 723         | 723 805         | 43            |
|       | **Sub-Total**            | **921 314**       | **944 386**     | **965 387**     |

|       | NdM 9.1 General contingencies | 30 000            | 30 000          | 30 000          | 44            |
|       | NdM 9.2 Retirement indemnity | 60 700            | 26 800          | 24 300          | 45            |

<table>
<thead>
<tr>
<th><strong>TOTAL EXPENDITURE</strong></th>
<th><strong>3 450 763</strong></th>
<th><strong>3 409 097</strong></th>
<th><strong>3 480 873</strong></th>
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<tbody>
<tr>
<td><strong>EXPECTED NET</strong></td>
<td>- 155 195</td>
<td>- 44 306</td>
<td>- 44 781</td>
</tr>
</tbody>
</table>
NOTES ON THE DRAFT 2010-2012 BUDGET

1. **Membership Dues**
The dues include a proposed inflation adjustment of 3% for each of the years.

2. **Associate Dues**
Assumes the same number of associates (19) as now with a 3% annual increase in dues.

3. **Income from ICSU bank accounts**
Based on result 2007.

4. **Other earmarked income**
Nothing yet identified.

5. **UNESCO Framework Agreement**
The budget assumes the same amount as has been tentatively indicated to be available for 2008-2009. It is assumed that the funding can be used for activities in this budget not covered by earmarked grants from NSF.

6. **ICSU Members contribution to WCRP**
US contribution to WCRP passes through the books of ICSU. As of 2009, other national contributions are made directly by ICSU members or other ICSU sources to WMO for the WCRP Joint Trust Fund.

7. **NSF**
Grant for ICSU environment activities from the US National Science Foundation. If the General Assembly approves the new dues structure from 2012, this income will be included in the US national contribution to ICSU.

8. **French Subvention**
ICSU receives €500,000 per year from the French Government for a period of no less than 10 years beginning in 2007.

9. **Other earmarked income**
Nothing as yet.

**Expenditure**

10. **Committee for Scientific Planning and Review**
The CSPR will meet twice per year. All meetings in the budget include a 3% inflation adjustment based on 2009 costs.

11. **CSPR Planning and Review**
The CSPR will conduct a number planning and review exercises that are yet to be identified.

12. **DIVERSITAS**
DIVERSITAS will be reviewed in 2010-2011 with two meetings in 2010 and one in 2011.

13. **Committee on Finance**
CF will meet prior to the EB meetings except for years with General Assemblies, when the CF will convene only once in a meeting not linked to the EB.
13. **Committee on the Freedom and Responsibility in the conduct of Science**
   CFRS will meet twice per year.

14. **Policy Committee on Developing Countries**
   PCDC will meet once a year if the revised format is agreed to by the EB and General Assembly.

15. **Executive Salary Cost**
   The salary costs are distributed between budget lines 1.6, 3.2, 5.11, 6.3 and 8.6. This budget line includes half the cost for the Executive and Deputy Executive Directors. The rest of the costs are under budget line 6.3 (note 33).

16. The total salary costs for 2010 are €1,751,206 with an additional 3% to cover inflation and limited merit based increases for each of 2011 and 2012. This sum includes payment of social charges of various kinds (ca. 50% of total salary costs).

17. **International Polar Year**
   Although the IPY formally finished in 2009, there will be follow-up and synthesis conferences in 2010 and 2012.

18. **ICSU Regional Offices**
   Direct support for three Regional Offices maintained at €35,000 per year for three offices. A Regional Office for the Arab Region will be established at a later time. In addition, the salary for the Science Officer responsible for the Regional Offices is included (3.2) as well as cost for participation of Executive Board (to be changed depending on EB decision) and Secretariat ex officio members in the three Regional Committees (3.3).

19. **Grants Programme**
   A grants programme for a maximum of 10 grants at €28,000.

20. **Executive Board New Initiatives**
   For 2010-2012, a sum has been set aside for EB new initiatives. The EB can also decide to use funds in support of CSPR new initiatives.

21. **UN Commission for Sustainable Development**
   Participation in the policy session of the UN Commission on Sustainable Development. ICSU is formally responsible for input from the Science and Technology Community Major Group.

22. **Hazards and Disasters**
   Meetings of the Scientific Committee of the Hazards programme, if approved by the General Assembly.

23. **Health and Human Wellbeing**
   A final meeting of the Health in the Urban Environment group will be held in 2010. Any additional planning in preparation for the 30th General Assembly (2011) and the first year of a possible new initiative must be funded through additional income or from EB New Initiatives (note 20).

24. **Ecosystems and Human Well-being**
   Meetings of the Scientific Committee of the Ecosystems and Human Well-being programme, if approved by the General Assembly.

25. **Strategic Data and Information Committee**
   Two additional meetings per year for the proposed Ad hoc Strategic Coordination Committee for Information and Data.
26. **Earth System Science Partnership**
   Costs for participation of the ICSU appointed members to the Scientific Committee for ESSP.

27. **Conferences with the European Science Foundation**
   As a follow-up to the ESF-ICSU meeting in Africa (2009), meetings are planned for 2010 and 2012.

28. **Mid-term Meeting of Scientific Unions**
   Mid-term Unions meeting in the first half of 2010.

29. **Salaries for Science Officers**
   Salaries for the posts of Leah Goldfarb (partially covered by grants from NSF; budget line 7) and Paul Cutler. Consultancy fees for Gisbert Glaser and Howard Moore included under this budget line.

30. **ICSU General Assembly**
   The costs for General Assemblies are budgeted over three years. This includes costs for the Nominating Committee. A 10% increase is included due to increased travel costs and the need to support National Members in the least developed countries.

31. **Executive Board and Officers**
   Two meetings per year of the Executive Board and two meetings of Officers.

32. **Salaries for Communication and Outreach**
   Salaries for the IT Officer/Webmaster (Mustapha Mokrane) and the Communications Officer (Jacinta Legg).

33. **Executive Salary Costs**
   Half the costs of salaries for the Executive and Deputy Executive Directors. (see note 16).

34. **Publications and Communication**
   Publication of the Annual Reports plus additional reports on health and other planning activities. For 2011, the increased amount includes communications activities related to the General Assembly. Reports from the DIVERSITAS Review Panel will only be made available electronically.

35. **Informatics**
   Costs for computers, web consultants, etc. No inflation adjustment is included, since contracts relating to informatics continue to decrease in price.

36. **Travel**
   The total travel cost for Secretariat staff and others to represent ICSU at various meetings (both internal and external) is much higher, but this has been divided up among the relevant budget lines.

37. **Salaries for Communication and Outreach**
   Salaries for the IT Officer/Webmaster (Mustapha Mokrane) and the Communications Officer (Jacinta Legg).

38. **Staff Development and Training**
   This includes individual courses for staff to increase their skills as well as annual staff retreats including staff in the Regional Offices.

39. **Building Maintenance and Refurbishment**
   Major investment was made, when ICSU moved to its new Offices. Thus, only a small amount is needed per year.
40. **Office Expenses**  
   Costs for heating, telephone, postage, offices expendables, office maintenance, etc.

41. **Audit Fee and Legal Advice**  
   Costs for the legal auditor.

42. **Bank Charges**  
   Estimate.

43. **Salaries for Administrative Staff**  
   Salaries for administrative staff.

44. **General Contingencies**  
   This includes a contingency to cover the possibility of exchange rate loss on the provision for arrears, which is hard to predict. It can also cover other unexpected expenditures.

45. **Provision for Retirement Indemnity**  
   Provision as required by French law and regulated in ICSU staff rules

46. **Balance**  
   The expected result for 2010-2012 is - €244,282, which can possibly be covered by the ICSU General Fund. However, 2008-2009 also has a total negative balance of €303,410, while the General Fund was €424,628 at the end of 2007.
RESOLUTIONS OF 29TH GENERAL ASSEMBLY

Resolution No. 1

The 29th General Assembly of ICSU expresses its deep gratitude to H.E. Armando Emilio Guebuza, President of Mozambique, to H.E. Venancio Simao Massingue, Minister of Science and Technology, and to Patricio Sande, President of the Scientific Research Association of Mozambique (AICIMO), for the exceptional arrangements made for the ICSU meetings and the scientific visits to the Provinces and Districts, for the generous support of representatives from developing countries in all regions of the world, and for the truly hospitable welcome extended to participants.

The 29th General Assembly appreciates the scientific progress made by Mozambique in the last decade and commends the Government of Mozambique for developing a far-sighted Mozambique Science, Technology and Innovation Strategy (MOSTIS).

The 29th General Assembly recommends that the Executive Board of ICSU be mandated to explore and identify the most appropriate mechanisms to mobilize the National Members, Scientific Unions, Interdisciplinary Bodies and Scientific Associates of ICSU to work with the scientific community and its institutions in Mozambique in support of the Government of Mozambique to implement its science and technology strategy and action plan.

The Executive Board is asked to report back to the next General Assembly in 2011 on progress made in this regards.

Resolution No. 2

In the context of the discussion about the International Polar Year (IPY) and the report of the Strategic Committee on Information and Data (SCID), ICSU shall take a leadership role in developing basic principles for forward planning at all stages of research projects and programmes, for data identification, sharing, availability and long-term preservation, noting that data management should be an intrinsic element of programme reviews.

Resolution No 3

Recognizing that modern information and communications technologies are revolutionizing the conduct of scientific research and education, all efforts must be made within the international scientific community to improve internet capabilities in scientific, technical and educational institutions in Africa and around the World.