



International Hydrological Programme (IHP)

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FINAL REPORT

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OPENING OF THE SESSION

1. The 43rd session of the Bureau of the Intergovernmental Council of the International Hydrological Programme (IHP) was held at UNESCO Headquarters in Paris from 3 to 5 June 2009. Mr Abdin Mohd Ali Salih (representing electoral region Vb – Arab States), Chairperson, and the following Vice-Chairpersons attended the meeting: Mr Benedito Braga (region III – Latin America and the Caribbean); Mr Johannes Cullmann (region I - Western Europe and North America); Mr Pavol Miklanek (region II - Eastern and Central Europe); Mr Mbangiseni P. Nepfumbada (region Va - Africa); and Mr Kaoru Takara (region IV - Asia and the Pacific), thus all Bureau members were present. Also present at the meeting as observers were: Mr Gabriel Arduino, Senior Scientific Officer of the Hydrology and Water Resources Branch, Climate and Water Department, World Meteorological Organization (WMO); Mr Pierre Hubert, Secretary General of the International Association of Hydrological Sciences (IAHS); Mr Didier Pennequin, Vice President for Europe of the International Association of Hydrogeologists (IAH); Mr Daniel Zimmer, Associate Director of the World Water Council (WWC); Mr Alexandre Brasil da Silva, First Secretary of the Permanent Delegation of Brazil to UNESCO; Ms Suzuka Sakashita, First Secretary of the Permanent Delegation of Japan to UNESCO; and Mr Leonard Khoza, First Secretary of the Embassy of the Republic of South Africa in Paris; and Mr Abdelhafiz Elawad, Counsellor and Deputy Permanent Delegate of the Permanent Delegation of Sudan to UNESCO. The list of participants is shown in Annex II.

2. Mr Salih, Chairperson of the IHP Intergovernmental Council, opened the meeting by welcoming the participants. He highlighted the importance of this Bureau session, particularly with regard to discussions and considerations concerning the future of IHP. He therefore called for the active involvement and support of the Bureau members in finding appropriate strategies to maintain freshwater as a priority of UNESCO, as well as to develop the appropriate institutional framework for its implementation over the long-term. Mr András Szöllősi-Nagy, Deputy Assistant Director-General for Natural Sciences and Secretary of IHP, also welcomed the participants on behalf of the Director-General. He reiterated the critical role of the IHP Bureau in providing guidelines concerning the future directions and management of the programme, in light of the forthcoming change of leadership at several levels within the Organization. He likewise stressed the need of preparing for a transitional 'generation change' within IHP itself, and of securing the stability of the programme in order that the next leadership will be able to continue where the former left off. He pointed out to the Bureau members the importance of the process of formulation of the eighth phase of IHP which should start in 2010 and the alignment of the structure of the Division to best serve the programme.

ADOPTION OF THE AGENDA

3. The Secretary IHP introduced the agenda, timetable as well as the background documentation for the session. In consideration of the critical importance of IHP for the African region, it was proposed by the Chairperson that a new item 7.4 focusing on "IHP in Africa" be added to the agenda. The Bureau then adopted its agenda, as amended, which is reproduced in Annex I. The documents made available for the session are listed in Annex III.

REPORT OF THE SECRETARIAT ON THE 180TH AND 181ST SESSIONS OF THE EXECUTIVE BOARD OF UNESCO, INCLUDING PREPARATIONS FOR THE 182ND SESSION OF THE EXECUTIVE BOARD AND THE 35TH SESSION OF THE GENERAL CONFERENCE

4. The Secretariat reported on the decisions of the 180th and 181st sessions of the Executive Board with implications for IHP and on the preparations for the upcoming 182nd

session of the Executive Board and 35th session of the General Conference. The Bureau reiterated its concern from previous sessions that the visibility and budget of IHP have diminished over the last few years, as evidenced in the current draft 35 C/5, which contradicts the growing acuteness and importance of freshwater issues throughout the world. One Bureau member noted that previous attempts to bring this issue to the attention of the Director-General have not resulted in concrete results to reverse the decrease in visibility and budget of IHP and suggested that IHP Bureau members consult with their delegations and representatives of other Member States in their respective regions regarding the best approach to urgently restore IHP's visibility and budget. The Chairperson of the Bureau noted that, as a follow-up to IHP Resolution XVIII-5, he spoke with the Director-General, who reaffirmed his strong support to IHP. The Bureau Members requested that this part of the Bureau report, together with the appeal issued by the IHP Council at its 18th session, be sent to the Director-General, and to the Executive Board, the UNESCO National Commissions, and the IHP National Committees, in order to inform them about the concerns of the IHP Bureau and Council.

REVIEW OF THE IMPLEMENTATION OF THE RESOLUTIONS AND OTHER RECOMMENDATIONS ADOPTED BY THE 18TH SESSION OF THE INTERGOVERNMENTAL COUNCIL OF IHP

Resolution XVIII-1: UNESCO-IHE Institute for Water Education

5. The Secretary of IHP highlighted the importance of this resolution in the renewal of the Operational Agreement for the UNESCO-IHE Institute for Water Education. The Bureau recalled the importance of countries, other than the Netherlands, contributing to the budget of the Institute. The Secretariat reported that several Member States, such as Brazil, Japan and the USA, among others, are contributing to research projects and training. The Secretariat also remarked that the private sector continues to invest in education and research projects at the Institute. At the request of the Bureau members, the Secretariat made available a report listing the latest (2008) donations and contributions to the Institute.

Resolution XVIII-2: Water Education

6. The UNESCO Tertiary Water Education Grants Programme was established and launched, in accordance with the rules adopted by the IHP Council at its 18th session. The grants programme is implemented with contributions from the following UNESCO offices: IHP Secretariat (UNESCO HQ), UNESCO Quito, UNESCO Jakarta, UNESCO Beijing and UNESCO Tehran. Grants have been awarded to students from the Latin America and the Caribbean and the Asia and the Pacific regions that have begun MSc degree studies based on recommendations from IHP Regional Hydrologists and with the full endorsement of their respective IHP National Committees. In addition, a student from the Arab States will be admitted under the 2009/2010 intake, with the support of UNESCO Cairo. There have been no extrabudgetary contributions to the UNESCO Tertiary Water Education Grants Programme during this period and the Secretariat is now working on the creation of a Special Account with a small overhead support cost to make such donations more attractive to donors. With regard to the Global Water Education and Training Needs Assessment, UNESCO-IHE and IHP have identified resources, and preparations for the survey have started. The Bureau is encouraging this work that is of vital importance for assessing future water education needs. It is of the view that global education needs assessment may also help identify additional financial resources for water education at all levels, particularly in the case of developing countries.

Resolution XVIII-3: Endorsement of the Proposals for the Establishment of Water-related Centres under the Auspices of UNESCO (category 2)

7. The Secretariat provided information on the current status of these proposals, as detailed in document IHP/Bur-XLIII/7. The Secretariat informed the Bureau that the Executive Board, at its 180th and 181st sessions, recommended that the 35th session of the General Conference approve the establishment of the following centres and authorized the Director-General to sign the corresponding agreements between UNESCO and the governments of the related Member States:

- HidroEx – International Centre for Education, Capacity-Building and Applied Research in Water (Federative Republic of Brazil)
- International Centre of Water Resources and Global Change (Germany)
- International Centre on Coastal Ecohydrology (Portugal)
- Centre for the Sustainable Management of Water Resources in the Caribbean Island States (Dominican Republic)

8. Regarding the Central Asian Regional Glaciological Centre (Republic of Kazakhstan), it was reported that the Secretariat was still awaiting a detailed proposal and formal request for a feasibility study from the Republic of Kazakhstan.

9. With regard to the International Centre for Integrated Water Resources Management (ICIWaRM), proposed by the United States, it was reported that the IHP Secretariat had already carried out the feasibility study. It was noted that the US Government is currently reviewing the corresponding legal and institutional issues and that the proposal is foreseen to be submitted to the 182nd session of the Executive Board for its recommendation and subsequently to the 35th session of the General Conference for approval.

10. With regard to the Regional Centre of International Training and Research on Sediment, Isotope and Erosion Techniques (Turkey), it was reported that the Secretariat was awaiting a detailed proposal and formal request for a feasibility study.

Resolution XVIII-4: Support for the Evaluation and Reporting of IHP-VI

11. Resolution XVIII- 4 called for the undertaking of an external evaluation of the execution of IHP-VI and for the production of a comprehensive report on the implementation of IHP-VI. It invited Member States to make voluntary financial and in-kind contributions to both. The Secretariat reported that so far no contributions have been proposed from the Member States for either the external evaluation of IHP-VI or the publication of a comprehensive report on IHP-VI implementation.

12. Thus it was proposed by the Bureau that one option was to undertake the evaluation of IHP-VI in the next C/5 (2010-2011) with an appropriate earmarked budget, recognizing the desirability that preliminary results could be provided to the 19th session of the IHP Council. It was also proposed that the costs be shared with IOS. In addition, in the case that the Regular Budget is used for these purposes, it was noted that the Bureau would provide support for the preparation of the terms of reference for the evaluation and report, as well as assistance in providing the necessary information to the evaluation team.

Resolution XVIII-5: Submission of an Appeal to the Executive Board and the General Conference of UNESCO

13. Resolution XVIII-5 was adopted due to the reduction of the Regular Budget allocated to IHP by approximately 12% from document 33 C/5 to draft document 34 C/5 and by a

further 4% following the 34th session of the General Conference. As a follow-up to this resolution, the Chairperson of the IHP submitted the appeal to the Director-General in August 2008, with a request that due consideration be given to its presentation to the Executive Board (see the letter attached as Annex to document IHP/Bur-XLIII/7). A reply to this letter has not yet been forthcoming and the appeal was not presented to either the 180th or 181st sessions of the Executive Board. No budgetary reinstatements in the 2008-2009 Regular Budget have taken place in the meantime to compensate the earlier budget cut and no specific measure to enhance IHP's budget has been foreseen under draft 35 C/5 for 2010-2011. The Chair of the IHP reported that he had a meeting with the Director-General, where he was informed that water remained on the top of UNESCO's agenda. At this meeting, the Director-General invited IHP to submit a proposal to JFIT for 200,000 USD for a water education initiative. A proposal in this regard is in the making.

OVERVIEW OF THE STATUS OF UNESCO'S WATER-RELATED CENTRES (CATEGORY 1 AND CATEGORY 2)

Cooperation of the International Hydrological Programme (IHP) of UNESCO with the UNESCO-IHE Institute for Water Education

14. The Secretariat reported recent progress regarding collaboration between UNESCO-IHE and IHP, in particular, the renewal of institutional agreements, the follow-up of the UNESCO-IHE evaluation, the follow-up to the Tertiary Water Education Work Plan and Grants Programme, participation at the World Water Forum, contribution to WWDR-3, collaboration with IHP initiatives and with category 2 centres. The Bureau members took note of these developments with appreciation, reinstating the full support of the Bureau to UNESCO-IHE.

Proposed category 2 water-related centres

15. The IHP Secretariat presented the proposal of the Government of the Republic of Sudan to establish a regional centre for capacity building and research in water harvesting in Sudan under the auspices of UNESCO. The Sudan Government has requested that this application be processed as soon as possible to enable its presentation to the 35th session of the General Conference. The IHP Secretariat highlighted the tight deadlines and the need for the proposal to be first submitted to the IHP Intergovernmental Council, according to the IHP strategy for category 2 centres. The Bureau welcomed the proposal by the Sudan Government and noted with great interest the need for establishing such a centre to deliver the UNESCO water agenda in Africa. The Bureau requested that the proposal be revised according to IHP's strategy for water-related category 1 and category 2 centres and UNESCO's guidelines especially by clarifying its legal identity, governance structure and financial and administrative autonomy. The Bureau also suggested that the centre further highlight education and capacity development. The Bureau recommended that the revised proposal be prepared in time for its presentation to the next session of the IHP Council.

16. The Bureau took note of the interest of the Stockholm International Water Institute in establishing a category 2 centre on hydropolitics with the support of the Swedish National Commission for UNESCO. The Bureau agreed in principle with the intention and invited the relevant entities to work towards further developing a relevant document for submission by the Swedish Government to the next session of the IHP Bureau by clarifying the proposed financial and administrative management arrangements.

Overview of recently-approved category 2 centres

17. The IHP Secretariat reported on the status of water-related category 2 centres endorsed at the 180th and 181st sessions of the Executive Board and of those foreseen to be presented to the 182nd session of the Board. The Bureau took note of the very tight deadlines to conclude the pending documents, which may in some cases compromise their submission to the 182nd session of the Board. The Bureau noted that the following centres may be considered by the Board at its 182nd session, upon the timely receipt of a full proposal by the Secretariat and the conclusion of the feasibility study and the draft agreement:

- The International Centre for Integrated Water Resources Management (ICIWaRM) (United States of America);
- The Regional Centre of International Training and Research on Sediment, Isotope and Erosion Techniques (Turkey);
- The Central Asian Regional Glaciological Centre (Republic of Kazakhstan);
- Asia Pacific Centre for Ecohydrology (APCE) (Indonesia).

REVIEW OF IHP-VII IMPLEMENTATION AND RELATED ACTIVITIES OF UNESCO

Results of IHP-VII implementation since the 18th session of the IHP Intergovernmental Council

Theme 1: Adapting to the impacts of global changes on river basins and aquifer systems

18. The Secretariat stressed the role of UNESCO-IHP in addressing the impacts of global changes on water resources by offering a platform to facilitate and support research and capacity development to help the understanding of the scope of global change impacts on river basins and aquifer systems, in order to manage water resources in a sustainable and adaptive way. It was agreed that global changes add a new dimension to integrated water resources management. As they require different tools, it is important to differentiate different drivers, such as population growth, land use change, climate change and variability, migration and urbanization and their impacts at regional and local scales. It was noted that a series of regional workshops and meetings were organized on topics related to climate change in different regions and that a concept paper on global changes is in preparation, highlighting the key recommendations on the topic. Furthermore, the theme provided input to the UNESCO's Inter-Sectoral Platform on Climate Change and to the recently published WWDR-3.

Theme 2: Strengthening water governance for sustainability

19. The IHP Secretariat presented a range of activities being undertaken in the area of strengthening water governance for sustainability. Key outputs, outcomes and impacts of activities delivered by both the IHP Secretariat and Field Offices were highlighted. These activities include the launching of Phase-III of the HELP network with more than 50 river basins. The IHP Secretariat, in collaboration with the Japanese Government and other partners has developed and launched IWRM guidelines at the River Basin Level during the 5th World Water Forum. The PCCP programme has been actively training trainers in the Middle East, in the UN system and in Latin America and the Caribbean. Two courses were held for the staff members of the Mekong River Commission, in cooperation with USAID and the US Army Corps of Engineers. Within the framework of the ISARM project, the International Groundwater Resources Assessment Centre (IGRAC) prepared the map on 'Transboundary Aquifers of the World - update 2009' presented during a special meeting at 5th World Water Forum. The articles of the 'Law of Transboundary Aquifers', prepared by

UNILC with the support of IHP, have been endorsed by the United Nations General Assembly at its 63rd session. The UNGA adopted a resolution and congratulated UNESCO-IHP for its work and support. The Bureau members noted with great interest these activities and commended the IHP Secretariat for the range of outputs being delivered.

Theme 3: Ecohydrology for sustainability

20. The IHP Secretariat presented the current directions of the trans-disciplinary ecohydrology programme. It was highlighted that key achievements include establishment and proposals for three ecohydrology centres under the auspices of UNESCO in Poland, Portugal and Indonesia, and numerous publications which have led to global acknowledgement of the concept. Under IHP-VII, the initiative has been focused to deliver truly integrated solutions to solve the environmental problems within the river basins, by bringing together new skills in up-scaling and economics and by launching new education programmes in ecohydrology. The Bureau expressed its satisfaction over the development of this initiative and asked whether the direction that the programme is taking would convert it into an IWRM programme. The Secretariat replied that that it is not the case, as the programme retains its focus on working at the interface between ecology and hydrology and only brings in other disciplines to support decisions by the stakeholders.

Theme 4: Water and life support systems

21. The Secretariat summarized activities and projects implemented under the different focal areas. On Focal Area 4.1, the Secretariat highlighted the establishment of the UNESCO-IHP Expert Group on Water Quality and the development of two case studies focusing on the impact of economic development on water quality (China) and on emerging pollutants (Mexico). It was noted that IHP should actively contribute to World Water Day 2010, which will feature a theme relating to water pollution/quality. On Focal Area 4.2, the Secretariat reported about the close cooperation set up with the IAH MAR Working group and the creation of a joint IHP/IAH network on the topic of Management of Aquifer Recharge (MAR) aiming at sharing of best practices and interregional and South–South cooperation. It also reported on a field project on artificial recharge in a coastal zone in Vietnam. Particular focus was placed on MAR and groundwater resources studies in SIDS, in particular the proposal for GEF on groundwater in Caribbean small islands, prepared during a seminar organized in Miami in May 2009. On Focal Area 4.3, the Secretariat summarized several projects, focusing on sustainable urban water management strategies and integrated (water) infrastructure provision in slums, among others. It was also noted that two new books in the UNESCO-IHP Urban Water Series were published and short training courses on urban water governance were delivered during the 4th World Urban Forum and the 5th World Water Forum. The Bureau noted that, with regard to the project on the provision of infrastructure to informal settlements, IHP should not limit itself to water supply but work on an integrated approach that encompasses pertinent needs – such as transportation, housing, energy and waste management – in a holistic manner.

Theme 5: Water education for sustainable development

22. The Secretariat reported on recent achievements, including the results and outcomes of (1) the five Regional Workshops on Water Education (held in Paraguay, December 2008; Indonesia, February 2009; South Africa, February 2009; The Netherlands, February 2009; and Sudan, May 2009; all with several partners detailed in the presentation) and (2) the Workshop on Education for Water Sustainability that took place at the UNESCO World Conference on Education for Sustainable Development (Germany, March/April 2009) and was organized by IHP, UNW-DPC and BMU, with the active collaboration of UNESCO-IHE, ASPnet and UNESCO-UNEVOC. The Secretariat reported that awareness and

understanding concerning water issues was raised among stakeholders and selected target groups in several events, including (3) via the UNESCO role at the 5th World Water Forum (Turkey, March 2009), (4) the Nepal Water Week 2009 (Nepal, March 2009), (5) the Water and Youth Forum (Guatemala, February 2009), and (6) the Annual International Techno Management Fest (India, January 2009). Work to strengthen water education curricula continued and included (7) a Regional Workshop on Developing Guides for Curricula and Training of Teachers on ESD in the Arab Region (Lebanon, August 2008), (8) curriculum development support provided to universities in Kazakhstan, India, Nepal and Sri Lanka, and (9) the preparation of a toolkit for curricula development, in collaboration with Kent State University (USA). With regard to the strengthening of human capacities, the Secretariat provided an update on the results of (10) the collaboration between IHP-LAC and WET Foundation, which since 2007 led to the development of 62 workshops for the training of 1,518 teachers and non-formal educators in 7 countries, (11) collaboration with TERI in water and wider ESD Education in India, (12) the 18th IHP Nagoya Training Course: Satellite Remote Sensing of Atmospheric Constituents (Japan, November 2008), with the support of JFIT. In addition, human capacities in Member States was raised via (13) the UNESCO Tertiary Education Grants Programme and (14) supervisory and technical support to post graduate and doctoral students and courses of several universities. The Bureau members noted the results achieved with great satisfaction and commended the work of the Secretariat.

IHP-related extrabudgetary activities

23. The Secretariat presented an overview of extrabudgetary activities, highlighting significant extrabudgetary funds provided to UNESCO-IHP by bilateral and multilateral donors. It was noted that currently the amount of extrabudgetary funds for water-related activities was several folds greater than the regular programme budget. The Bureau recognized the crucial importance of extrabudgetary funding, in order to widen the scope of activities implemented by UNESCO-IHP and acknowledged the positive developments in gathering additional funds. However, the members of the Bureau expressed their concern on the time-consuming administrative processes needed for the establishment of cooperation agreements as a basis for the transfer of extrabudgetary funds to IHP, as well as UNESCO's approach on overhead costs. It was noted that the lengthy and costly procedures lead to an increase in the cost of extra-budgetary projects and might considerably reduce the amount of extrabudgetary funding to be received by UNESCO in the future.

24. The Secretariat provided an update on the progress of UNESCO's application to become a Global Environment Facility (GEF) Executing Agency under Expanded Opportunities. The Bureau noted with satisfaction that UNESCO's application has been placed on the agenda of the next GEF Council meeting, which will take place in Washington from 22 to 24 June 2009.

Report of the IHP Publication Committee

25. The Secretariat presented UNESCO's new Publication and Distribution Policy (DG/Note/08/22) and the observations, deliberations and recommendations of the IHP Publications Committee meeting (Paris, 2-3 December 2008). A revised IHP Publications Strategy document, aligned with UNESCO's Publication and Distribution Policy, was also presented.

26. The Bureau took note of the time-consuming and labour-intensive administrative process for the production of IHP publications, and stressed the need to accommodate intergovernmental requirements of the IHP programme by expediting the overall publication process in the light of a well established IHP Publication Strategy. The Bureau strongly

endorsed the Publication Committee's recommendations and the IHP Publication Strategy. It also requested that IHP be granted the needed autonomy — in particular, for content management and distribution policy of technical publications — as an intergovernmental programme in accordance with the Director-General's Blue Note DG/Note/08/44.

27. The Bureau expressed concerns about the current content and layout of the IHP website and requested the IHP Secretariat to take the necessary steps to make it a live site, aligned with IHP-VII themes.

Overview of the current IHP implementation mechanisms and assessment of IHP's current status

28. The Bureau discussed agenda items 6.4 and 7.1 together, simultaneously addressing the overview of the current IHP implementation mechanisms and the assessment of IHP's current status. Several issues were raised concerning the optimization of programme implementation, including the strengthening of IHP National Committees, the role of category 2 centres in IHP implementation, some of the difficulties posed by the current decentralization practice which often results in funds being assigned to UNESCO field offices where there is no expertise and delivery capacity on freshwater issues. The need for the reinforcement of water science cooperation with implications for policy making and the need for better coordination with UNESCO National Commissions were also emphasized. Decentralization of hydrology related funds should only be done where there is delivery capacity.

29. The Bureau members raised additional concerns, notably the importance of strengthening coordination with IHP National Committees and with the activities being implemented in each country and their respective regions. The need for a coordinated feedback and monitoring mechanism for project implementation was noted. The need to take into consideration diversity of implementation issues across regions was pointed out. The Chairperson of the Bureau emphasized the importance of UNESCO and its IHP in serving the needs of Member States, and the important role that UNESCO Regional Bureaus for Science should play in mobilizing and coordinating IHP National Committees, category 2 centres, and activities in the respective regions. He also noted that the UNESCO Regional Offices should have a better understanding of IHP and of its strategic plans and intergovernmental nature. The Bureau requested the Secretariat to prepare an action plan to address these issues and to present it to the Bureau at its next session.

CONSIDERATIONS CONCERNING THE FUTURE OF IHP

The assessment of IHP's current status

30. Noting that the implementation of IHP is based on six-year phases, which are developed and approved via a lengthy and thorough process of consultations with the Member States, other UN bodies and NGO partners, the importance of defining future strategic directions of IHP was highlighted. The Bureau recommended the continuation of IHP into its eight phase. The need of soon initiating a process for the preparation of the eighth phase of IHP was noted.

31. The Bureau noted the importance of further streamlining and strengthening the IHP work on the adaptation to global changes and climate variability, transboundary water resources management, urban water management, groundwater, and water in SIDS as potential focus areas for IHP-VIII. The Bureau emphasized that further concentration of the programme is needed. The Bureau also stressed the need to further promote science-based policy advice and bridging science and policy-making. Focus on education, capacity

development and region-specific priorities was also emphasized. Considering the role of hydrological science in water resources management in a broader context and the widening scope of IHP, which is becoming increasingly interdisciplinary, the representative of IAHS suggested re-orienting the programme, possibly with a renewed scope and name of the programme.

32. The Bureau agreed that the transition from the current seventh phase of IHP to the eighth phase should be based on the concept of 'continuity with change', thus keeping the name of the programme and its strategic advantages. The Bureau further emphasized that the future directions of IHP should build on the comparative advantages of IHP, as well as to take into account emerging challenges and trends. It was also noted that the historical development of the programme, when IHP and the Operational Hydrological Programme (OHP) were established respectively at UNESCO and WMO, should be taken into account in the discussion on the future of IHP. The representative of WMO indicated that the OHP no longer existed, having been succeeded by the Hydrology and Water Resources Programme, with a broader scope. The Bureau highlighted the need for better integration of the execution of the water programmes of UNESCO, namely the IHP, WWAP and UNESCO-IHE and the rest of the UNESCO water family, including the category 2 water-related centres and chairs.

33. The Bureau decided to send a letter to the IHP National Committees with a view to start the preparation of the eighth phase of IHP and to establish a task force to work on this process. The Bureau agreed to take a pro-active role in the preparation of a concept paper that would serve as the basis to start the formulation process of IHP-VIII in early 2010.

34. Given the likelihood that the current Secretary of IHP/Director of the Division of Water Sciences would leave the post in the short-term, the Bureau was of the view that (i) the post should be maintained at a D2 level, citing several reasons, including the fact that it was the largest division within the Natural Sciences Sector with a very ample programme, in fact the largest in the UN, including WWAP headed by a D1, close to 20 water-related category 2 centres, significant cooperation with UNESCO-IHE, the UNESCO chairs in water resources, as well as several other major initiatives; and (ii) that the Bureau should be able to take part in the selection of the new Director/Secretary of IHP.

Discussion concerning the future of IHP and discussion on organizational matters

35. The Bureau discussed the need to bring the priorities of the Programme and the delivery structure into correspondence. It was acknowledged that the structure of the Division of Water Sciences should respond to the needs of IHP and, in this respect and given the increasing role in the field of groundwater, it recommended the creation of a new section on groundwater resources and aquifer systems as of the 35 C/5 period.

Discussion concerning the role of IHP in Africa

36. Highlighting the need to strengthen the role of IHP in Africa, the Chairperson requested the Bureau members and the Secretariat to enhance IHP activities in Africa. He further pointed out the enormous needs and opportunities in Africa, it being a priority for UNESCO and the fact that there are several UNESCO staff members in the region working on water resources. Various activities undertaken in the African region were reported.

37. It was recalled that the first IHP regional meeting in Africa took place in Abuja, Nigeria in 2006. The significance of implementing the decisions of the regional meeting of IHP National Committees held in Cape Town in March 2008 was also cited. A request of support to institutionalize IHP National Committees and focal points, in particular via existing regional networks, including formal implementation structures such as the African Ministers'

Council on Water (AMCOW) and UNESCO networks, was put forth. The urgent need of strengthening the institutional presence of IHP in the various regional mechanisms and bodies was emphasized.

38. The Bureau recommended the strengthening of communication and cooperation among IHP Regional Hydrologists, IHP National Committees, other regional bodies working on water issues and the IHP Secretariat.

RELATIONS WITH THE UNITED NATIONS SYSTEM AND NON-GOVERNMENTAL ORGANIZATIONS

Cooperation with United Nations system on freshwater issues

39. The Secretariat reported on IHP's cooperation within the framework of UN-Water, the coordinating mechanism on freshwater issues within the UN system, as well as bilaterally with several UN agencies, as described in document IHP/Bur-XLIII/12.

40. The Bureau took note of a recently signed Memorandum of Understanding (MoU) between UNESCO and UNEP providing a framework of cooperation in order to facilitate collaboration between the two organizations. This MoU also includes freshwater issues.

Cooperation between IHP and the United Nations World Water Assessment Programme (WWAP)

41. The Secretariat reported on IHP's cooperation with the United Nations World Water Assessment Programme (WWAP). IHP was actively involved in the preparation of the third edition of the World Water Development Report 'Water in a Changing World' (WWDR-3). In particular, IHP coordinated the preparation of chapters on 'The State of the Resource'. The report was presented by the Director-General of UNESCO, on behalf of the United Nations system, at the 5th World Water Forum in Istanbul, Turkey on 16 March 2009. IHP also contributed to the WWDR side publications on various topics, including droughts, IWRM and conflict resolution.

42. The WWAP Coordinator presented an update to the Bureau members on WWAP activities, highlighting the joint activities with the IHP Secretariat. He also noted the continuous involvement of IHP in the preparation of the forthcoming WWDRs. The Secretary of IHP provided additional information regarding the extrabudgetary funding of the WWDR and that the Italian Government is expected to ratify a MoU with UNESCO which will grant continuous funding for the Secretariat. The Bureau expressed its satisfaction with this initiative and with the strong collaboration with IHP.

Cooperation with the World Meteorological Organization (WMO)

43. The representative of WMO noted its satisfaction regarding cooperation with IHP and informed the meeting about the present status of the preparation of the third edition of the UNESCO/WMO International Glossary of Hydrology, which will be coordinated with the Commission on Hydrology. UNESCO and WMO have also produced a Manual on the Estimation and Prediction of Low Flows. Furthermore, UNESCO and WMO jointly organized the International Conference on Groundwater and Climate Change in Africa (Kampala, 24-28 June 2008). Close cooperation within the International Decade on Education for Sustainable Development (2005-2014) was also noted. He also noted that the Assessment Handbook for Review of National Capabilities was concluded earlier than reported in document IHP/Bur-XLIII/12.

Cooperation with non-governmental organizations

44. The representative of the International Association of Hydrological Sciences (IAHS) expressed his appreciation about the close cooperation between IAHS and UNESCO. He conveyed his thanks to UNESCO for the support that will be given to the forthcoming joint IAHS/IAH international convention to be held in September 2009 in Hyderabad (India) and especially to the HW2 (Sediment problems and sediment management in Asian river basins) and HW3 (Flood Risk Management) Workshops. IAHS is also grateful to UNESCO for its support for the digitization of many past IAHS publications which are now freely available on the Web (more than 100 000 pages of hydrological literature). He referred to the continued collaboration on the International Glossary of Hydrology and IFI. He drew attention in particular to the forthcoming 10th Kovacs Colloquium dealing with “Hydrocomplexity” to be jointly organized by UNESCO and IAHS in July 2010 prior to the Intergovernmental Council. He also announced that the next IAHS General Assembly will be held within the IUGG General Assembly in Melbourne (Australia) in July 2011.

45. The representative of the International Association of Hydrogeologists (IAH) expressed his appreciation about the close cooperation between IAH and UNESCO. He thanked UNESCO for continued cooperation on groundwater issues and for establishing a new section on groundwater. He also thanked UNESCO for the support that will be given to the forthcoming joint IAHS/IAH international convention to be held in September in Hyderabad (India). The Bureau welcomed the cooperation with IAH.

UNESCO-IHP participation in the 5th World Water Forum

46. The Secretariat reported on UNESCO’s participation in the 5th World Water Forum that took place in Istanbul, Turkey, from 16 to 22 March 2009, and on main outcomes and conclusions of the Forum’s political, thematic and regional processes, as outlined in document IHP/Bur-XLIII/15. Some of the highlights noted were: the Director-General’s participation in the Heads of State Summit; the official launching on behalf of the UN system of the UN flagship report, the 3rd edition of the World Water Development Report; and the launching ceremony of the IWRM Guidelines at River Basin Level—an important UNESCO publication prepared with Japanese contributions—with the participation of His Imperial Highness the Crown Prince of Japan and the Director-General of UNESCO, as well as the World Water Day celebratory event with the theme of “Transboundary waters” organized under the lead of UNESCO.

47. It was noted that the Secretary of IHP co-chaired the Forum’s Political Processes Committee and successfully led the preparatory process of the negotiations of the political processes that took place at four levels, namely: heads of state, parliamentarians, ministerial, and local and regional authorities. It was also noted that UNESCO-IHP co-chaired the following themes and topics of the Forum’s thematic process: Theme 6 “Education, Knowledge and Capacity Development”; Topic 3.1 “Basin Management and Transboundary Cooperation”; and Topic 6.2 “Water science and technology: appropriate and innovative solutions for the 21st century”. It was noted that UNESCO-IHE co-chaired the Topic 6.1 “Education, knowledge and capacity development strategies”. The Secretariat highlighted that UNESCO’s strong presence and active participation in the Forum reaffirmed UNESCO’s sustained commitment and efforts in promoting sciences, education and capacity building in addressing global water challenges. It was emphasized that the coordinated participation of UNESCO’s water-related programmes and centres, including its IHP, WWAP, UNESCO-IHE and some category 2 centres, greatly enhanced the visibility of UNESCO’s work on water. The Secretariat noted that the UNESCO stand, comprising UNESCO water-related programmes and centres, at the Forum Water Fair was one of the most-visited in the UN Pavilion, attracting a large number of visitors.

48. The Bureau commended with appreciation the active participation and important contributions of IHP to the Forum, in particular to the preparatory processes of both its political and thematic processes. Mr Braga, in his capacity as Vice-President of the World Water Council, emphasized UNESCO's important contribution to the preparatory process of the political processes of the Forum and thanked the Secretary of IHP for his efforts in ensuring efficient and smooth preparatory process leading to outcomes of the Forum's political processes.

OTHER MATTERS

Evaluation of IHP-VI

49. This matter was discussed when reporting on the implementation of Resolution XVIII-4: Support for the Evaluation and Reporting of IHP-VI (paragraphs 11 and 12 of this report).

Determination of the IHP Council's methods of work: Revision of the "Guidelines for the preparation and consideration of Draft Resolutions at the Intergovernmental Council of IHP"

50. As a follow up to the IHP Intergovernmental Council recommendation that "the submission of draft resolutions is encouraged at least two weeks prior to the start of the Council, but can also be submitted within the first three days of the Council session" (IHP/IC-XVIII/3, Final Report, paragraph 20), the IHP Bureau revised the "Guidelines for the Preparation and Consideration of Draft Resolutions at the Intergovernmental Council of IHP" in its items 1, 3.1 and 3.2. The full updated Guidelines are presented in Annex IV.

Preparations for the 44th session of the IHP Bureau and the 19th session of the IHP Intergovernmental Council

51. Pursuant to discussions initiated at the 42nd session of the IHP Bureau (Paris, 12 June 2008), concerning the possibility of integrating a scientific segment into the Council sessions, the Bureau decided to adopt a different format for the forthcoming 19th session of the IHP Council. This scientific segment will take the form of a 3-hour public presentation on a specific scientific area of IHP, which would serve as an outreach activity addressing both the IHP scientific community and policy-makers from UNESCO Member States. Several Bureau members expressed their view that this new format would enhance the visibility of the scientific relevance of the IHP Council session, particularly in bridging policy and science.

52. The Bureau decided to set the dates of 5 to 9 July 2010 for 19th session of the IHP Council, preceded by the 10th Kovacs Colloquium on 2 to 3 July 2010. The 44th session of the IHP Bureau shall be held from 6 to 7 May 2010.

Preparations for the 10th Kovacs Colloquium

53. The IHP Secretariat presented a proposal on the 10th Kovacs Colloquium, tentatively entitled "Hydrocomplexity-2010: Emerging Tools for Managing Wicked Water Problems". The Bureau welcomed the proposal and requested the Secretariat to engage young water scientists and managers. The representatives of IAHS and IAH also expressed satisfaction with the proposed focus and recommended to adopt a holistic approach for looking into emerging tools, aimed at solving social, institutional and economic issues linked with the water cycle.

Other matters

54. With a view to transparency and accountability to IHP's constituency, the Bureau called for access to the budgetary assignments within UNESCO for the various activities of IHP-VII. The Secretariat replied that the IHP Finance Committee was given such access within the administrative boundaries of UNESCO for its monitoring and reporting. As soon as the workplans for 2010-2011 are finalized, the members of the Bureau will have access to these, at an appropriate aggregated level, in order to explore additional funds for IHP.

55. The Bureau recommended the creation of a functional user-based feedback mechanism to facilitate access and more communication with Bureau members and the Secretariat. One Bureau member will present a proposal in this regard.

ANNEX I

AGENDA

1. Opening of the session
2. Adoption of the agenda
3. Report of the Secretariat on the 180th and 181st sessions of the Executive Board of UNESCO, including preparations for the 182nd session of the Executive Board and the 35th session of the General Conference
4. Review of the implementation of the resolutions and other recommendations adopted by the 18th session of the Intergovernmental Council of IHP
5. Overview of the status of UNESCO's water-related centres (category 1 and category 2)
 - 5.1 UNESCO-IHE Institute for Water Education (category 1)
 - 5.2 Proposed category 2 centres
 - 5.3 Overview of recently-approved category 2 centres
6. Review of IHP-VII implementation and related activities of UNESCO
 - 6.1 Results of IHP-VII implementation since the 18th session of the IHP Intergovernmental Council
 - 6.2 IHP-related extrabudgetary activities
 - 6.3 Report of the IHP Publication Committee
 - 6.4 Overview of the current IHP implementation mechanisms
7. Considerations concerning the future of IHP
 - 7.1 The assessment of IHP's current status
 - 7.2 Discussion concerning the future of IHP
 - 7.3 Discussion on organizational matters
 - 7.4 IHP in Africa
8. Relations with the United Nations system and non-governmental organizations
 - 8.1 Cooperation with UN System on freshwater issues
 - 8.2 Cooperation between IHP and the UN World Water Assessment Programme (WWAP)
 - 8.3 UNESCO-IHP involvement in the 5th World Water Forum
 - 8.4 Cooperation with non-governmental organizations
9. Other matters
 - 9.1 Evaluation of IHP-VI
 - 9.2 Determination of the IHP Council's methods of work: Revision of the "Guidelines for the preparation and consideration of Draft Resolutions at the Intergovernmental Council of IHP"
 - 9.3 Preparations for the 44th session of the IHP Bureau and the 19th session of the IHP Intergovernmental Council
 - 9.4 Preparations for the 10th Kovacs Colloquium
10. Approval of the Final Report and closure of the session

ANNEX II

LIST OF PARTICIPANTS

I. MEMBERS OF THE BUREAU

Chairperson:

Mr Abdin Mohd Ali Salih
(Group Vb - Arab States)
Member IHP National Committee of Sudan
Professor, Faculty of Engineering
University of Khartoum
Mailing address:
PO Box 15030 Amarat Office
Khartoum, Sudan
Tel: + 249 1 22 206006 / + 249 9220 19710
Fax: + 249 1 83 776030
Email: abdinsalih@gmail.com

Vice-Chairpersons:

Mr. Benedito Braga
(Group III – Latin America & the Caribbean)
Director, Agencia Nacional de Aguas
Chairperson, Brazilian IHP National
Committee (COBRAPHI)
Setor Policial, Area 5, Quadra 3, Bloco M
70610-200, Brasilia DF, Brazil
Tel: +55 61 21 09 54 31
Fax: +55 61 21 09 54 15
Email: benbraga@ana.gov.br

Mr Johannes Cullmann
(Group I – N. America and Western Europe)
IHP/HWRP – Sekretariat Koblenz
Postfach 200253
56002 Koblenz, Germany
Tel: + 49 261 13 06 53 13
Fax: + 49 261 13 06 54 22
Email: cullmann@bafg.de

Mr Pavol Miklanek
(Group II - Eastern and Central Europe)
Chairman, Slovak National Committee for
UNESCO-IHP
Institute of Hydrology SAS
Racianska 75
83102 Bratislava 3, Slovakia
Tel: + 42 12 44 25 93 11
Fax: + 42 12 44 25 93 11
Email: miklanek@uh.savba.sk

Mr Mbangiseni P. Nepfumbada
(Group Va - Africa)
Chief Director, Water Resources Information
Management
Department of Water Affairs and Forestry
P/Bag x313
Pretoria 0001, South Africa
Tel: +27 12 336 8787
Fax : +27 12 336 6662
Email: nepfumm@dwaf.gov.za

Mr Kaoru Takara
(Group IV - Asia and the Pacific)
Member, IHP National Committee of Japan
Professor, Kyoto University
Gokasho, Uji
Kyoto 611-0011, Japan
Tel: + 81 774 38 4125
Fax: + 81 774 38 4130
Email: takara@flood.dpri.kyoto-u.ac.jp

II. OBSERVERS

Mr Gabriel Arduino
Scientific Officer, Hydrology and Water
Resources Branch
Climate and Water Department
World Meteorological Organization
7 bis, Avenue de la Paix | CP 2300
CH-1211 Geneva 2, Switzerland
Tel: +41 22 730 8331
Fax: +41 22 730 8043
Email: garduino@wmo.int

Mr Pierre Hubert
Secretary-General, International Association
of Hydrological Sciences (IAHS)
c/o Ecole de Mines de Paris
35, rue St Honoré
77305 Fontainebleau, France
Tel: +33 1 64 69 47 02
Fax: +33 1 64 69 47 03
Email: pjy.hubert@free.fr

Mr Didier Pennequin
Vice President for Europe – International
Association of Hydrogeologists (IAH)
Head of Water Division, BRGM
3 avenue C. Guillemin, BP 36009
45060 Orléans Cedex 2, France
Tel : +33 2 38 64 35 30
Fax : +33 2 38 64 34 46
Email : d.pennequin@brgm.fr

Mr Daniel Zimmer
Associate Director, World Water Council
(WWC)
Espace Gaymard
2-4 place d'Arvieux
13002 Marseille, France
Tel: +33 4 91 99 41 00
Fax: +33 4 91 99 41 01
Email: d.zimmer@worldwatercouncil.org

Mr Alexandre Brasil da Silva
First Secretary, Permanent Delegation of
Brazil to UNESCO
Maison de l'UNESCO, Bureau MR.07
1 rue Miollis, 75732 Paris Cedex 15, France
Tel: +33 1 45 68 29 01
Fax: +33 1 47 83 28 40
Email: dl.brasil@unesco.org

Ms Suzuka Sakashita
First Secretary, Permanent Delegation of
Japan to UNESCO
148 rue de l'Université, 75007 Paris, France
Tel: +33 1 53 59 27 16
Fax: +33 1 53 59 27 27
Email: deljpn.pro@unesco.org

Mr Leonard Khoza
First Secretary, Embassy of the Republic of
South Africa
50 quai d'Orsay, 75007 Paris, France
Tel: +33 1 53 59 23 23
Fax: +33 1 53 59 23 63
Email: khozal@foreign.gov.za

Mr Abdelhafiz Elawad
Counsellor, Deputy Permanent Delegate
Permanent Delegation of Sudan to UNESCO
Maison de l'UNESCO, Bureau M3.47
1 rue Miollis, 75732 Paris Cedex 15, France
Tel: +33 1 45 68 34 88
Fax: +33 1 47 34 37 04
Email: a.elawad.sd@unesco.org

III. UNESCO SECRETARIAT

Headquarters

Secretariat of the International Hydrological
Programme (IHP) of UNESCO
Division of Water Sciences (SC/HYD)
1, rue Miollis, 75732 Paris Cedex 15, France
Tel: +33 1 45 68 40 01
Fax: +33 1 45 68 58 11
Email: ihp@unesco.org

Mr András Szöllösi-Nagy
Deputy Assistant Director-General for Natural
Sciences
Secretary IHP / Director SC/HYD
Tel: +33 1 45 68 40 02
Email: a.szollosi-nagy@unesco.org

Mr José Alberto Tejada-Guibert
Deputy Secretary IHP
Tel: +33 1 45 68 40 96
Email: ja.tejada-guibert@unesco.org

Mr Olcay Unver
Coordinator, UN World Water Assessment
Programme (WWAP)
Tel: +33 1 45 68 39 44
Email: o.unver@unesco.org

Programme Specialists at HQ

Mr Siegfried Demuth
Senior Programme Specialist
Chief, Section on Hydrological Processes
and Climate
Tel: +33 1 45 68 39 96
Email: s.demuth@unesco.org

Mr Shahbaz Khan
Senior Programme Specialist
Chief, Section on Sustainable Water
Resources Development and Management
Tel: +33 1 45 68 45 69
Email: s.khan@unesco.org

Ms Alice Aureli
Programme Specialist, Section on
Hydrological Processes and Climate
Tel: +33 1 45 68 39 95
Email: a.aureli@unesco.org

Ms Sarantuyaa Zandaryaa
Programme Specialist, Section on
Sustainable Water Resources Development
and Management
Tel: +33 1 45 68 40 54
Email: s.zandaryaa@unesco.org

Mr Anil Mishra
Programme Specialist, Section on
Hydrological Processes and Climate
Tel: +33 1 45 68 39 47
Email: a.mishra@unesco.org

Mr Toshihiro Sonoda
Programme Specialist
Tel: +33 1 45 68 39 26
Email: t.sonoda@unesco.org

Mr Francesco Rizzo
Programme Specialist
Tel: +33 1 45 68 41 53
Email: f.rizzo@unesco.org

Ms Lisa Hiwasaki
Assistant Programme Specialist, Section on
Sustainable Water Resources Development
and Management
Tel: +33 1 45 68 40 29
Email: l.hiwasaki@unesco.org

Mr Miguel de França Doria
Assistant Programme Specialist, Office of the
Secretary
Tel: +33 1 45 68 41 81
Email: m.doria@unesco.org

Mr. Vincent Leogardo
Assistant Programme Specialist, Office of the
Secretary
Tel: +33 1 45 68 40 04
Email: v.leogardo@unesco.org

Mr Holger Treidel
Assistant Programme Specialist (ALD),
Section on Hydrological Processes and
Climate
Tel: +33 1 45 68 39 43
Email: h.treidel@unesco.org

*Programme Specialists at the UNESCO Field
Offices*

Mr Radwan Al-Weshah
Regional Hydrologist, UNESCO Cairo Office
8 Abdel Rahman Fahmy Street
Garden City, Cairo 11541, Egypt
Tel: + 202 2794 14 58
Fax: + 202 2794 52 96
Email: r.weshah@unesco.org

Mr Abou Amani
Assistant Programme Specialist in Natural
Science, UNESCO Accra Office
32 Nortei Ababio Street, Airport Residential
Area, Accra, Ghana
Tel: +233 21 765 497
Fax: +233 21 765 498
Email: a.amani@unesco.org

Ms Maria Concepcion Donoso
Regional Hydrologist, UNESCO Montevideo
Office
Edificio del MERCOSUR
Calle Dr. Luis Piera 1992,
Casilla de correo 859
Montevideo, Uruguay
Fax: + 598 2 413 2099
Email: mcdonoso@unesco.org.uy

Assistants at HQ

Ms Dominique Lozano
Assistant to the Deputy Secretary IHP
Tel: +33 1 45 68 40 18
Email: d.lozano@unesco.org

Mr Tifour Malek Kiani
Assistant
Tel: +33 1 45 68 40 03
Email: t.kiani@unesco.org

ANNEX III

LIST OF DOCUMENTS
(documents in English only)

Working documents

Document Code (IHP/Bur-XLIII/...)	Title	Agenda item
1	Agenda	2
2	Timetable	2
3	Final Report	1 – 10
4	List of Documents	2
5	List of Participants	2
6	Report of the Secretariat on the 180 th and 181 st sessions of the Executive Board of UNESCO, including preparations for the 182 nd session of the Executive Board and the 35 th session of the General Conference	3
7	Implementation of resolutions and other recommendations adopted by the 18 th session of the Intergovernmental Council of IHP	4
8	Progress report on cooperation of the International Hydrological Programme (IHP) of UNESCO with the UNESCO-IHE Institute for Water Education ¹	5.1
9	Proposed category 2 water-related centres	5.2
10	IHP-related extrabudgetary activities	6.2
11	Report of the IHP Publication Committee	6.3
12	Cooperation with UN system on freshwater issues	8.1
13	Report on UNESCO-IHP participation in the 5 th World Water Forum	8.3
14 Rev.	Revision of the “Guidelines for the preparation and consideration of Draft Resolutions at the Intergovernmental Council of IHP”	9.1
15	Considerations on the possible establishment of a new Section on Groundwater Resources and Aquifer Systems within the Division of Water Sciences	7.3

¹ Document prepared in collaboration with the UNESCO-IHE Institute for Water Education

Reference documents

Document Code	Title	Agenda item
IHP/Bur-XLI/3	Final report of the 41 st session of the IHP Bureau (Paris, 26-28 March 2008)	2
IHP/IC-XVIII/3	Final Report of the 18 th session of the Intergovernmental Council of the IHP (Paris, 9-13 June 2008)	2
IHP/Bur-XLII/3	Final Report of the 42 nd session of the IHP Bureau (Paris, 12 June 2008)	1 – 10
180 EX/Decisions	Decisions adopted by the Executive Board at its 180th session, Paris, 30 September - 21 October 2008	2
181 EX/17	Report by the Director-General on feasibility studies for the establishment of category 2 institutes and centres under the auspices of UNESCO (See Parts II, III and IV for water-related centres)	2
35 C/5 Draft	Draft Programme and budget, 2010-2011	2
BPI/OPP/PUB/2009/ INT/3	UNESCO Publications Guidelines (April 2009)	6.3
IHP/Bur-XLIII/Ref.1	Draft IHP Publications Strategy (updated version, May 2009)	6.3
Annex V of IHP/Bur- XXXIX/3	Admissibility criteria, guidelines and rules of procedure for the preparation and consideration of Draft Resolutions (DRs) at the Intergovernmental Council of IHP [revised version, 21 April 2008]	9.2

ANNEX IV

ADMISSIBILITY CRITERIA, GUIDELINES AND RULES OF PROCEDURE FOR THE PREPARATION AND CONSIDERATION OF DRAFT RESOLUTIONS (DRS) AT THE INTERGOVERNMENTAL COUNCIL OF IHP [revised version, 5 June 2009]

1. COMPETENCE TO SUBMIT A DRAFT RESOLUTION (DR)

Draft Resolutions (DRs) are elaborated in view of the deliberations of the Intergovernmental Council (IGC) by the Resolution Drafting Committee (RDC), elected by the IGC. The terms of reference of the RDC are available in IHP/IC-XIV/3 Annex V.

To facilitate review comments by members of the IGC, it is recommended that DRs be submitted to the IHP Secretariat two weeks prior to the beginning of the IHP IGC session in question. DRs received in such a manner will be communicated to members of the IGC one week prior to the commencement of the session.

The submission of a DR during a session of the IGC remains formally possible during the first three working days of that session. Such late submissions should however be considered exceptional and should only be made as a last resort to handle vital issues not considered in pre-existing DRs. These submissions should be presented by more than one Member States members of IHP IGC. The decision about their admissibility lies within the prerogative of the RDC that will assess the justification of the late submission.

When the RDC has finished assembling and revising all the DRs, its Chairperson will submit them to the plenary session of the IGC for their adoption.

When it is adopted by the plenary session of the IGC (by consensus or through a vote), a DR becomes an IHP Intergovernmental Council Resolution.

2. RECOMMENDED CRITERIA FOR EVALUATING DRS

In order to be accepted by the Resolution Drafting Committee and submitted to the plenary session of the IGC for its approval a DR should follow the criteria below:

2.1. Self-standing and structured in a manner that replies to three questions:

- 2.1.1 Why does such a decision need to be taken?
- 2.1.2 What is the decision? *and*,
- 2.1.3 How will the decision be implemented?

2.2 A DR should be drafted in two main parts:

- 2.2.1. A preamble (replying to question 1 under 2.1 above: Why does such a decision need to be taken?)
- 2.2.2. An operative part (replying responding to questions 2 and 3 under 2.1 above: What is the decision? How will the decision be implemented?)

2.3. A DR should be prepared only when necessary to reflect:

- 2.3.1 Major policy decisions related to the overall direction of IHP and/or its general strategy;
- 2.3.2 Important structural decisions;
- 2.3.3 Substantive matters concerning the programme and/or its budget;
- 2.3.4 Major decisions related to the delivery and implementation mechanisms of IHP.

2.4 A DR should deal with matters that are placed before the Session of the IGC in question and discussed at that Session under an agenda item;

2.5 A DR should accurately reflect the conclusions of the plenary session;

2.6 A DR should be addressed to one or more of the following entities:

- 2.6.1 The Member States of UNESCO or a relevant subset
- 2.6.2 The IHP National Committees or their relevant sub-set
- 2.6.3 The General Conference of UNESCO
- 2.6.4 The Executive Board of UNESCO
- 2.6.5 The Director -General of UNESCO
- 2.6.6 The IHP Bureau
- 2.6.7 The IHP Secretariat
- 2.6.8 Subsidiary bodies of the IHP Council
- 2.6.9 Others

2.7 Drafting style

- 2.7.1 The wording should meet the criteria of being “necessary and sufficient”;
- 2.7.2 Extraneous and duplicative material should be avoided;
- 2.7.3 Preamble material should be kept to a minimum, and each preamble paragraph should be clearly related to one or more operative paragraphs and vice-versa.

2.8 Format of the DR

Examples of the format (punctuation, font, font size etc.) in which the DRs should be submitted to the Secretariat of the Resolution Drafting Committee can be found on:

<http://unesdoc.unesco.org/images/0013/001375/137591e.pdf> Annex IV. For hard copy see the example in document IHP/IC-XVI/3 Annex IV.

3. RULES OF PROCEDURE

- 3.1 Members of the IHP IGC, are strongly encouraged to submit DRs, via the Internet, [via e-mail to the Secretariat of IHP at ihp@unesco.org], to the Secretariat of the RDC two weeks before the beginning of the IHP IGC session in question, indicating which particular agenda item the proposed DR falls under;
- 3.2 DRs exceptionally submitted during the first three working days of the session in course should be submitted by more than one Member of the IHP IGC. Such DRs must be preferably submitted in English to facilitate the work of the Resolutions Committee.
- 3.3 The Secretariat of the RDC is provided by the IHP Secretariat;
- 3.4 DRs will be numbered as they come in to the Secretariat, and will be sent through the Internet [e-mail] in their original form one week prior to the beginning of the IGC session, to all members of the IGC for their information;
- 3.5 The deadline for the submission of the DRs is communicated to all members of the IGC and IHP/NCs along with these Guidelines;
- 3.6 The Resolution Drafting Committee (RDC), elected by the IGC, reviews and processes the DRs according to the criteria mentioned above in accordance with the terms of reference of the RDC, available in IHP/IC-XIV/3 Annex V.

ANNEX V

GLOSSARY OF ACRONYMS AND SPECIAL TERMS USED IN THIS REPORT

AMCOW	African Ministers' Council on Water
APCE	Asia Pacific Centre for Ecohydrology
ASPnet	UNESCO Associated Schools (also known as 'UNESCO Associated Schools Project Network')
BMU	Bundesministeriums für Umwelt, Naturschutz und Reaktorsicherheit (Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany)
DESD	UN Decade on Education for Sustainable Development (2005-2014)
DG	Director-General (of UNESCO)
DR	Draft Resolution
ESD	Education for Sustainable Development
GEF	Global Environment Facility
HELP	Hydrology for the Environment, Life and Policy
HidroEx	International Centre for Education, Capacity-Building and Applied Research in Water
HQ	Headquarters
IAH	International Association of Hydrogeologists
IAHS	International Association of Hydrological Sciences
ICIWaRM	International Centre for Integrated Water Resources Management
IFI	International Flood Initiative
IGC	Intergovernmental Council
IGRAC	International Groundwater Resources Assessment Centre
IHE	International Institute for Infrastructural, Hydraulic and Environment Engineering, now called the UNESCO-IHE Institute for Water Education
IHP	International Hydrological Programme (of UNESCO)
IHP-VI	Sixth Phase of the International Hydrological Programme (2002-2007)
IHP-VII	Seventh Phase of the International Hydrological Programme (2008-2013)
IOS	Internal Oversight Service
ISARM	Internationally Shared Aquifer Resources Management
IWRM	Integrated Water Resources Management
JFIT	Japanese Funds-in-Trust
LAC	Latin America and the Caribbean
MAR	Management of Aquifer Recharge
MoU	Memorandum of Understanding
OHP	Operational Hydrological Programme (of WMO)
PCCP	From Potential Conflict to Cooperation Potential

RDC	Resolutions Drafting Committee
SIDS	Small Island Developing States
TERI	The Energy and Resource Institute (India)
UN	United Nations
UNEP	United Nations Environment Programme
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNESCO-IHE	UNESCO-IHE Institute for Water Education
UNEVOC	UNESCO International Centre for Technical and Vocational Education and Training
UNGA	United Nations General Assembly
UNILC	United Nations International Law Commission
UNW-DPC	UN-Water Decade Programme on Capacity Development
USAID	United States Agency for International Development
WET	Worldwide Water Education (Foundation)
WMO	World Meteorological Organization
WWAP	UN World Water Assessment Programme
WWC	World Water Council
WWDR	World Water Development Report