

Minutes of the Fourth meeting of the
**WORKING GROUP ON GLOBAL CLIMATE CHANGE AND
 AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)**
 07 December 2009: 09.30-13.15 hours
 New Delhi, India
Strategy Theme: Systems

Year of Establishment: 2005

Completion of the Mandate: 2011

Mandate:

- To review the progression of and predictions for Global Climate Change (GCC) and climate variability,
- To explore and analyze the medium-term implications of climate change and climate variability for irrigation, drainage, and flood control,
- To stimulate discussion and raise awareness of water-related GCC issues within the ICID family,
- To stimulate discussion at national scales among scientists, policy makers, and, through the media, the general public on GCC and water, and
- To join the international dialogue on GCC and water

Members Present: (1) VPH Dr. Mark Svendsen, Chairman (USA, 2006); (2) Dr. Tsugihiko Watanabe, Vice Chairman (Japan, 2006); (3) Prof. Roland E. Schulze, Secretary (South Africa) represented by Prof. Sue Walker; (4) VPH Dr. Henri Tardieu (France, 2006); (5) VP Dr. Karim Shiati (Iran, 2006); (6) Mr. Ray Shyan Wu, (Chinese Taipei, 2007); (7) Dr. Kim Russell (Australia) represented by Mr. V.C. Ballard; (8) Ms. Nurgul Uzucek (Turkey, 2007) represented by Mr. Taner Kimence; (9) Prof. Heping Hu (China); and (10) Er. M. Gopalakrishnan, Secretary General, ICID

Permanent Observers: Dr. P.S. Rao (FAO representative).

Members Honoraire present: (i) Vice President Dr. Sinsuke Ota (Japan); (ii) VPH Mr. Frank Dimick (USA); (iii) VPH Hector Malano (Australia); (iv) VPH Dr. J.A. Ortiz (Spain); and (v) VPH Dr. Felix Reinders (South Africa).

Observers: 77 observers were present at the session at various times (**Annex**).

Website: <http://140.115.62.223/raywu/ICID/index.php>

Item 1 : Confirmation of the minutes of the 3rd meeting of the Working Group held at Lahore

The minutes of the 3rd meeting of the Working Group held at Lahore in October 2008 were confirmed.

Item 2 : Review of membership

The nominee of the South African National Committee, Prof. Sue Walker, was present and accepted as a member of the WG.

The following nominations were deferred due to their non-attendance at the meeting:

- Dr. Edward Keith Weatherhead (UK)
- Dr. Juan A. Rodriguez-Diaz (Spain)
- Dr. Rolu Encarnacion y Pascua (Philippines)
- Ir. C.W.J. Roest (The Netherlands)
- Mr. Naseer Ahmed Gillani (Pakistan)

National Committees are to be reminded of the need for the nominee attending the forthcoming WG at Yogyakarta, Indonesia when their nominations once again will be put up for consideration.

Because the Secretary of the WG, Prof. Roland Schulze of South Africa, has been replaced on the Working Group by Prof. Walker, the WG selected a new Secretary from among its members. Dr. Ray Shyan Wu, who performed this role on an interim basis at the Lahore meeting, was proposed for this position and accepted by the WG. Dr. Ray Shyan Wu is thus the new Secretary of the WG.

A. CONTINUING ITEMS

Item 3 : Work Plan of the Group

Dr. Svendsen, Chairman, outlined the WG's primary function of sharing information and knowledge among countries, science community and managers. The Group discussed the WG mandate and agreed that the focus for the upcoming 2010 meeting would be the issue of the potential impacts of a changing climate on the world food supply. If continuing interest is evidenced by members in the ensuing months, the WG recommended that we apply to organize a one-day workshop in Yogyakarta rather than the standard WG meeting to accommodate more contributions and more extensive interaction.

Item 4 : Webpage of the Working Group

The webpage of the Group <http://140.115.62.223/raywu/ICID/index.php> as prepared by Dr. Ray-Shyan Wu (Chinese Taipei) is functional. It is also accessible from a link on the ICID Workbodies page.

The website provides updated information on membership, agenda, minutes, presentation etc. Members were encouraged to access the webpage and provide relevant documents, pictures to Chairman/ Dr. Ray-Shyan Wu for posting. The WG registered its gratitude to Dr. Ray-Shyan Wu for developing and hosting the website.

Item 5 : Group's contribution to World Water Forum 5, 2009, Turkey

Dr. Shinsuke Ota (Japan), Vice President, made a brief report on the discussion of climate change issues which took place at WWF5 in Istanbul.

Item 6 : Presentations by Members and Observers (includes agenda item 9)

Presentations were made by the following people.

1. Dr. A. K. Gosain, IIT-Delhi – Impact of projected climate change on Indian water resources
2. Mr. Maury Roos, California DWR – California water resources and climate change: the big 5 impacts
3. Dr. Takao Masumoto, National Institute for Rural Engineering – Impact assessment of climate change on agricultural water use – a challenge of Japan
4. Prof. Hector Malano, Melbourn University – Climate change impacts on Australia
5. Dr. Yih-Chi Tan, National Taiwan University – Methane emissions from irrigated paddy field: case in China (prepared by Prof. Hu Heping)
6. Dr. T. Watanabe, RIHN, Japan
7. Dr. Jose Ortiz – Potential climate change impacts on irrigation water demand in the Guadalquivir River Basin (Spain) (prepared by J. A. Rodriguez Diaz)

Item 7 : UN Water Task Force on "Water and Climate" (includes agenda item 8)

Under this agenda item, the chairman offered a list of recent international meetings and initiatives and invited various members or observers who were familiar with the meeting or initiative to comment. These are listed below.

- **UN-Water Task Force on Water and Climate:** This TF was formed in 2008 and USCID is represented by Dr. Karim Shiati and Dr. Svendsen. Dr. Shiati reported that the TF has prepared two briefs -- a one-page brief for the Copenhagen climate change meeting (COP15) and a longer policy brief.
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- **WMO World Climate Conference:** The WMO organized this conference in Geneva in September of this year. Dr. Gosain attended the meeting and reported that it was well attended and informative.
- **UKCID meeting on Water and Climate Change:** The UKCID organized the meeting in November in London. Dr. Ragab participated in the meeting and made a presentation on behalf of WG-Climate.
- **World Water Development Report excerpts:** The Chairman reported that the World Water Assessment Program (WWAP) which produces the WWDP, has released a pair of very good papers extracting climate change-related information from the WWDR – one on *Climate Change and Water* and the other a set of short *Messages* relating to climate change and water.
- **OECD Policy Guidance on climate change adaptation:** The Chairman reported that a new OECD policy guidance is the basis for a training program on water sector adaptations to climate change being developed by the German technical assistance agency, GTZ. The training program is based on Harvard Case study methodology and will likely be piloted in India in early 2010.

Item 8 : WG related communications

Included in the discussion of item 7.

Item 9 : Methane flux from irrigated wetlands rice fields

The WG accepted the responsibility for the topic *Methane Flux from Irrigated Wetland Rice Fields* proposed to be transferred to it from WG-Environment. To facilitate the transition, Prof. Dr. Hu Heping, Chairman of WG-ENV, prepared a presentation on the topic which was given in the meeting by the Vice-Chairman of WG-ENV, Dr. Yih-Chi Tan. This presentation was supplemented by one on the same topic by Dr. Tsugihiko Watanabe.

Item 10 : Any other business

Vice Chairman Dr. Watanabe reported that the WG-Asia also has an active program of work related to the impacts of climate change in Asia and proposed increased cooperation between the two WGs. Dr. Karim Shiati indicated that Asian Regional Working Group (ASRWG) was organizing a workshop on climate change in Bangkok in February 2010 and asked that WG-Climate be a co-sponsor of the workshop. The WG endorsed the suggestion.

LIST OF OBSERVERS DURING THE 4TH MEETING OF WG-CLIMATE*(County-wise)*

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| Australia | (1) Mr. Brian Davidson |
| Canada | (2) Mr. Laurie Tollefson, (3) Mr. Francois Chretien |
| Chinese Taipei | (4) Mr. Yih-Chi Tan |
| Egypt | (5) Mr. Zeinab Behairy |
| Estonia | (6) Mr. Hannes Puu |
| India | (7) Dr. K. Yella Reddy; (8) Mr. S.D. Kabbur; (9) Mr. Vijaya Pandian; (10) Mr. K.M. Shah; (11) Mr. H. Reheman; (12) Mr. B.N. Bilgundi; (13) Mr. V.B. Nath; (14) Mr. R.B. Ghote; (15) Dr. A.K. Gosain; (16) Mr. Rajendra Pawar; (17) Mr. Rambhau Shirode; (18) Dr. R.B. Singandhupe; (19) Mr. M.K. Dhimate; (20) Mr. V.K. Pandey; (21) Mr. A.K. Shukla; (22) Dr. M.J. Kaledhonar; (23) Mr. Ravinder Singh; (24) Mr. L.M. Patel; (25) Mr. B.S. Patel; (26) Mr. Premeibhai Patel; (27) Mr. N.B. Patel; (28) Mr. M.R. Sariya; (29) Mr. M.S. Zaman; (30) Dr. M.K. Sharma; (31) Dr. P. Ramana Gowda; (32) Dr. K. Murali; (33) Dr. G.N. Dhanapal; (34) Mr. Tushar M. Dholakia; (35) Mr. N.V. Muralidhar; (36) Mr. Patne Somanath; (37) Mr. Bosowarg Wallepise; (38) Mr. Radhay; (39) Mr. Jagjit Singh Sodhi; (40) Mr. M.S. Thakur; (41) Mr. Navneet Kalia; (42) Mr. Prem Pal Singh (India); (43) Dr. C. Venkata Reddy; (44) Mr. G.I. Surendra; (45) Mr. B.S. Rawat; (46) Mr. T.V. Satyanarayana; (47) Mr. S. Vishnu Vardhan; (48) Dr. A.B. Khot; (49) Mr. A. Selvarajah; (50) Mr. K. Chelvaraajhan; (51) Mr. H.V. Shivakumar |
| Iran | (52) Mr. Ezzatollah Farhad |
| Indonesia | (53) Mr. Prasetyo Nuchsin; (54) Mr. Bayudono; (55) Mr. Rani Siaminarsi; (56) Mr. Muhammad Fauzie Siswanto |
| Japan | (57) Mr. Takao Masumoto; (58) Mr. Hacho Nobumasa; (59) Mr. Koichi Kuwabara; (60) Mr. Kunihiko Naito; (61) Dr. Takanori Nagano |
| Kazakhstan | (62) Mr. Beisebekor Polat |
| Korea | (63) Dr. Park Sang Hyun; (64) Mr. Park Kwagsoo |
| Nepal | (65) Mr. Uttam Raj Timilsina; (66) Dr. Danda Pani Jaishy; (67) Mr. Shital Babu Resmee |
| Netherlands | (68) Dr. G.A.P.H. van den Eertwegh |
| Pakistan | (69) Prof. Rai Niaz Ahmad; (70) Dr. M. Arshad |
| Slovenia | (71) Mr. Mira Edelbaher |
| Thailand | (72) Dr. Sylvain Roger Perret |
| Turkey | (73) Mr. Hasan Basri Yuksel ; (74) Mr. Ahmet Seren |
| UK | (75) Dr. Ragab Ragab |
| USA | (76) Mr. Maurice Roos |

International Organizations: (77) Mr. Daniele La Porta (World Bank)