



Minutes of Meeting

Meeting Name	:	Business Meeting of the International Radiation Commission Chaired by T. Nakajima (President), R. Ellingson (Vice President), C. Serio (Secretary)
Meeting Reference	:	Business Meeting/IAMAS Conference
Date(s) of Meeting	:	05-08-2005
Place of Meeting	:	Hosted by IAMAS and Institute of Atmospheric Physics (Chinese Academy of Sciences), Beijing
Minute Taker	:	Carmine Serio
Participants	:	see Annex 2
Distribution	:	Participants + IRC members who did not attend
Attachments	:	Annex 1 (in the body of text), Annex 2 (in the body of the text), Annex 3 (separate PDF file), Annex 4 (separate ppt file), Annex 5 (separate ppt file), Annex 6 (in the body of the text), Annex 7 (in the body of the text)

1. Introduction

These minutes summarize the IRC business meeting held in Beijing on August the 5th 2005 on occasion of the IAMAS 2005 Assembly, August 2-11 Beijing, China. The minutes and the annexed documents will be made available at the IRC website: <http://www.irc-iamas.org/>. The agenda of the meeting is included as Annex 1.

2. Meeting

The meeting was begun by the President, T. Nakajima who welcomed participants and invited the group to a short round of self-introduction. The President informed participants about the nomination of IPCC technical reviewers. The nominees are:

1. Thomas P. Ackerman, DOE/Pacific Northwest National Laboratory
2. Chris Folland, UK Met Office
3. John Harries, Imperial College
4. Robert Gurney, The University of Reading
5. Atsumu Ohmura, Institute for Climate Research ETH
6. Didier Tanre, U.S.T. de lille
7. Tatsushi Tokioka, Japanese Meteor. Soc. Japan



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8. Guang-Yu, Chinese Academy of Sciences

The President also summarized the IRC-sponsored sessions of IAMAS 2005:

A1: Aerosols, Radiation and Clouds

A6: Advanced Remote Sensing of Trace Constituents in the Atmosphere

H2: Solar Activity and its Influences on the Earth's Weather and Climate

The three sponsored sessions were well attended and were successful.

After this introduction, the agenda was presented and approved (Annex 2) and the points discussed according to the agenda.

First Point: IRC organization for the 2005-2008 term.

President T. Nakajima briefly summarized the new IRC organization for the 2005-2008 term and reported on the election process of new IRC members for this term. Information on these points is available at the IRC website, <http://www.irc-iamas.org/>.

Second Point: Discussion for the IRS2008

President, T. Nakajima recalled to the participants the tentative schedule that was adopted at the last Business Meeting in Busan, 2004:

- Tentative proposals for the IRS2008 location due at the 2005 IRC business meeting.
- Submission of final proposals due one month before the 2006IRC business meeting.
- Detailed discussion of the proposals at the 2006business meeting.
- Final decision for the site venue just after the 2006 business meeting (IRC members will be asked to vote and choose among the candidate sites).
- Decisions regarding session organization to be made at the 2007 business meeting. In addition, at the same date, the IRC gold medal and young scientist award selection process will begin.

Participants agreed with the schedule and the discussion was opened to proposals.

Carmine Serio informed the participants that a formal invitation (intent letter attached as Annex 3) to host IRS2008 at Lille France has been received from Michel LEGRAND (Laboratoire d'Optique Atmospherique). The letter was shown to participants and discussed.

A second proposal was then advanced by P. Di Girolamo, who proposed to host IRS2008 in Matera (Italy). A brief ppt presentation of the motivation, along with a brief description of the location, was given and is attached as Annex 4.

Finally, V. Martin suggested that he could discuss the possibility of a proposal from Brazil, with colleagues of this country.

Since there were no more proposals the discussion was opened to comments and remarks regarding a possible selection process. There were various suggestions put forward by attendees.

- Geographical balance should be considered. The IRS already has visited areas such as North America, Europe, and Asia; therefore, other areas should now have a priority.



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- In the past, possible synergy with other symposia, such as the International Ozone Symposium and the Cloud Symposium, have been considered. However, the present busy situation of many conferences makes it difficult to take this arrangement into consideration.

To help and guide IRC members for their future decision about the various proposals, a list was made about the past IRS venues and forthcoming related conferences:

- **Past IRS Venues:** 1972 (Sendai), 1976 (Garmisch-Partenkirchen), 1980 (Fort Collins), 1984 (Perugia), 1988 (Lille), 1992 (Tallin), 1996 (Fair Banks), 2000 (St. Petersburg), and 2004 (Busan).
- **Upcoming Venues for international general assemblies:** COSPAR2006 (Beijing, China), IUGG2007 (Perugia, Italy), IAMAS2008 (Montreal, Canada); IGAARS2006 (Denver).

President T. Nakajima stressed that this is the time to solicit proposals and also invited proposers to finalize their invitation for the next IRC business meeting.

Third Point: Next IRC Business Meeting

The main conferences at which the 2006 IRC business meeting could take place were discussed.

The President introduced the point by recalling that COSPAR has previously been the main conference, after IAMAS, selected to hold IRC meetings. However, attendance by IRC members to COSPAR has decreased and the last IRC 2002 business meeting had few participants.

A poll of the participants showed that

Five IRC members could attend COSPAR 2006 in Beijing (although six members couldn't).

Three members would be in favour for IGAC 2006 in Cape Town

EGU in April: no member showed an interest to attend.

AGU in December: One member showed his interest to attend.

In the end, it was decided not to vote for a location, but to follow-on the discussion by e-mail and determine the most suitable conference after examining the next year's meeting schedule.

Fourth Point: IRC contribution to upcoming conferences and symposia

The IRC has been asked to contribute and organize sessions within IUGG 2007 (Perugia, Italy) and IAMAS 2009 (Montreal, Canada).

The President informed the participants that the IRC has to submit tentative session proposals for IUGG 2007 before 10 September 2005; therefore, he urged the IRC members to develop session proposals as soon as possible. The proposals should include the title, a short description and possible convenors.

From the discussion within the IRC meeting and the IAMAS business meeting, the following proposals have emerged

From IRC



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- Passive and active sensing of the atmosphere and earth's surface
- High resolution atmospheric modeling (3DRT)
- Links of aerosol-cloud-radiation-precipitation
- Solar activity and its influence on the Earth weather and climate
- Active remote sensing
- High energy particle radiation, solar
- Surface properties effects on Earth's climate
- Atmospheric spectroscopy (gas, particles)

From IAMAS (expected contribution from Commission in brackets)

- Earth System Modelling (all)
- Connection between atmosphere and ocean tele-connection (IAPSO)
- Tropical cyclone (IAPSO, IAHAS)
- Climate Change, past, current and future
- Effects of aerosols in the mesosphere and lower ionosphere
- Solar impact to mesosphere (IAGA, +IRC)
- Volcano
- Sea Ice
- Glacier, ice sheet, and sea-level
- Global Earth Observation (+IRC)
- Satellite remote sensing of the atmosphere and earth's surface (+IRC)
- Paleo climate, Holocene climate
- Data assimilation of land process simulation
- Simulation and forecasting: Thopex (I think this is THORPEX, but I don't know for sure), extreme events
- Tsunami, Storm surge, and coastal hazard
- Permafrost

Fifth Point: Decision for working groups proposals

The President informed participants that there is a proposal for a new working group on *Long-term Analysis of Surface SW Radiation Budget (LASR)*, by T. Hayasaka (RIHN, Japan), A. Ohmura (ETH, Switzerland), G.-Y. Shi (IAP, China). Dr Hayasaka presented the proposals (ppt presentation attached as Annex 5)

After the presentation members recommended the proposers to establish synergy and contacts with IRC working groups. The new working group was accepted.

Sixth Point: Report of IRS2004 publication

The Secretary, Carmine Serio informed participants that the publication of the IRS2004 proceedings is being managed by H. Fischer (former IRC president) and by B. J. Sohn. He informed the attendees that the publication process is in its final phase according to the information received by H. Fischer (see the attached Annex 6), all is OK.

Seventh point. Budget account report



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The Secretary informed that the IRS bank account is still managed by the former President, H. Fischer. The report received by H. Fischer is shown as Annex 7.

Eighth Point: Report from working groups and notices or news from members.

The Secretary reported that after the President's letter to WG chairs and rapporteurs there have been several chairs who have replied or sent reports to the IRC officers. The present situation is summarized in the table shown below, which is current to the date of the meeting.

After the Secretary's introduction, **Dr V. Kostsov** (substitute for Y. M. Timofeyev) reported on the **RSMA** working group activity. The presentation was appreciated and congratulated from the attendees. He was also asked to produce in the near future a written version of his report, to be uploaded on the IRC website.

Robert Ellingson reported on the activity of the **ICRCCM** working group. His ppt presentation will be soon available on the IRC website. The presentation was appreciated and congratulated from the attendees.

Robert F. Cahalan reported on the activity of the **3DRT** working group. His ppt presentation will be soon available on the IRC website. The presentation was appreciated and congratulated from the attendees.

On behalf of R. Saunder and T. Actor, **Carmine Serio** reported on the **ITOVs** working group activity. The report will be made soon available on the IRC web site. The presentation was appreciated and congratulated from the attendees.

As a general remark it was stressed that working group chairs should use the IRC home page to distribute their conference information. The IRC web page is also traced from IAMAS homepage.

Chair (WG/RP)	Reply	Action	Status
Robert Ellingson (WG ICRCCM)	Yes	will report to IRC meeting	report expected for today
Paul Simon (RP UV-B)	Yes	No one	Report pending
Yurij M. Timofeyev (WG RSMA)	No	No one	Reply pending
Atsumu Ohumura (RP BSRN)	Yes	Will send the report	Report pending
Laurence Rothman (WG ASA)	Yes	Prepare the report during ASA meeting in France, Sept. 2005	Report pending
Robert F. Cahalan (WG 3DRT)	Yes	Will attend the meeting	Report to be presented by Cahalan
Roger Saunder	Yes	Send report to IRC secretary	Report to be presented by Serio
Robert Menzies (WG ICLAS)	No	No one	Report Pending
Thomas P. Ackerman (RP Cloud and Radiation)	No	No one	Report Pending
William B. Rossow (RP GRB)	No	No one	Report Pending



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ANNEX 1: Meeting Agenda

1. IRC organization for the term 2005-2008.
2. Discussion for the IRS2008
3. Next Business Meeting
4. IRC contribution to upcoming conferences and symposia
5. Decision for working groups proposals
6. Report of IRS2004 publication
7. Budget account report
8. Report from working groups and notices or news from members.



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ANNEX 2: Participants List

Name	Affiliation
C. Serio	University of Basilicata, DIFA, Italy
G.-Y. Shi	Institute of Atmospheric Physics, Chinese Academy of Sciences
T. Hayasaka	RIHN, Japan
V. Kostsov	St. Petersburg State University, Russia
W. Schmutz	The World Radiation Centre, Davos
H.B. Chen	Institute of Atmospheric Physics, Chinese Academy of Science
J. V. Martins	UMBC/NASA GSFC, USA
R. Cahalan	NASA/Goddard, USA
B. Mayer	DLR, Germany
P. Di Girolamo	University of Basilicata, DIFA, Italy
P. Kopke	MIM/Germany
B. McArthur	MSC/Canada
H. Annegarn	University of Johannesburg, South Africa
R. Ellingson	Florida State University/USA
Y. Kawata	Kanazawa Institute of Technology, Japan
P. Simon	Institute d'Arenomie Spatiale du Belgique, Belgium
J.P. Pommereau	CNRS/France
T. Nakajima	Center for Climate System Research, The University of Tokyo, Japan



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ANNEX 6: Report on IRS2004 publication (E-MAIL from H. Fischer, dated 25 July 2005)

Dear Carmine,

It is a pity but due to many other urgent obligations I am not able to participate in the upcoming IAMAS meeting.

Proceedings:

The review of the articles is finished. The table of contents, the list of participants as well as the Preface and the Acknowledgements are ready too. All the material will be sent this week to Deepak Publishing Co. for printing.

Finances:

B.J. Sohn has worked already on settling accounts for IRS 2004 and the Proceedings. But, because we have not yet finished the book of Proceedings, he cannot provide you with the final budget. With high probability income and expenditure for IRS 2004 and the Proceedings will result in the same amount of money. As a consequence, the IRS account is 16.341,75 €(see detailed listing enclosed), about the same amount which I have received from the previous president, Bill Smith.

I wish you a pleasant and scientifically interesting meeting.

Best wishes,
Herbert



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ANNEX 7: IRS bank account (as received from H. Fischer on 25 July 2005, see also Annex 6)

IRS bank account

17.09.2003	IAMAS USD 5000	+ 4.436,56 €
03.12.2003	IRC from Bill Smith USD 19.619,79	+ <u>16.349,83 €</u>
		20.786,39 €
August 2004 IRS 2004:		
	Support for travel costs of scientists participating in IRS 2004 (amount of money has been transferred to the Korean Meteorological Society)	- 4.080,82 €
	Dinner for IRS 2004 organisers in Busan/Korea	- <u>363,82 €</u>
		16.341,75 € =====