

International Commission on Dynamic Meteorology

Meeting, August 8, 2005, Beijing, China

Attendees: Peter Baines (chair), John Nielsen-Gammon (secretary), Igor Mokhov, Mu Mu (member), Richard Swinbank (member),

Peter Baines called the meeting to order at 5:38 PM.

1. Minutes of the last meeting:

The past meeting (in Sapporo in 2003) was summarized by Baines. Most time was spent planning sessions for the present IAMAS meeting in 2005.

2. Scope and focus of the Commission:

Baines reported that the Commission has been a low priority under IAMAS during the past ten years or so, but there is a general feeling that the ICDM should take a higher priority in the future. The expanded role of ICDM should perhaps not include holding more scientific meetings (as there seem to be a sufficient number of meetings already), but rather to raise the profile of dynamic meteorology in general. One aspect would be to expand the membership of ICDM. THORPEX is on the horizon as a major dynamical meteorology undertaking. Also, numerical modeling has seemed to largely take an engineering approach, with little thought given to the dynamics of the phenomena.

Discussion: Swinbank commented that numerical papers should be urged to include more dynamical interpretation. Mu stated that dynamics is very broad, and should include climate dynamics. Nielsen-Gammon said that cloud dynamics should also be included. Baines stated that it is up to us to state our scope, followed perhaps by negotiations with other commissions. Swinbank asked whether data assimilation should be included within our scope.

3. Membership

Nielsen-Gammon passed out the current membership roll of the committee. Some members did not respond to requests for information, others are retired or are longtime members who have become inactive. The commission decided that letters be sent to such members asking if they wished to continue and dropping them if they do not respond or otherwise do not wish to continue. The letters would include the expected level of commitment from members. Members responding positively would receive a new eight-year term.

Suggestions for additional members: Adam Scaife, Christoph Schar, Zhemin Tan [Dept. of Atmospheric Sciences, Nanjing University]

Suggestions for countries that should have (additional) representation: France, Japan, India, Italy, Russia (current members should try to think of candidate members from these countries; Baines will specifically focus on Japan, while Nielsen-Gammon will focus on India)

Persons to talk to about candidates: Saravanan, Olivier Talagrand

Plan: Wait for website up, then ask if people wish to continue

Standard Term: eight years, renewable given some indication of activity and participation

Discussion of procedure for adding members: invitation by President with approval of Secretary (between meetings), general acclamation (at meetings)

Long-time or nonresponsive members: request for expression of commitment

4. Sessions and Programme for IUGG 2007 in Perugia, Italy (and also IAMAS 2009 in Montreal)

Baines handed out a list of sessions from 2003.

Possible new sessions:

Dynamics and predictability of severe weather events

Ensembles and probabilistic forecasting

Intense vortices

Advances in data assimilation

Climate predictability

Topographic impacts on weather and climate

Organization, structure, modelling, and consequences of tropical precipitation

Dynamical processes in the real atmosphere

Physics and feedbacks leading to droughts and wet periods

Natural climate oscillations: ENSO and NAO/AO, influences and predictability

Dynamics of eastern tropical oceans and the overlying atmosphere

Dynamics and prediction of tropical cyclones

Dynamics and scale interaction in midlatitude cyclones