

# ICDM Montreal IUGG 2019 Business Meeting Minutes

Meeting held: 12 July 2019

Notes by: Thomas Spengler

## **Attendance:**

Hisashi Nakamura, Tim Woollings, Thomas Spengler, Michael Reeder, Iracema Cavalcanti, Craig Bishop, Richard Grotjahn, Istvan, Vanda Grubisic, Christian Keil, Mathias Rotach, Seok-Woo Son, Jianping Li (came a bit late)

## **1. Brief update by the President**

### Update EC meeting of IAMAS:

Several suggestions for new commissions, which so far all reside topic-wise in ICDM (mesoscale, predictability, tropical).

Streaming as an option to cut travel and be more environmentally friendly.

Centralisation of IAMAS webpage together with its commissions.

### Symposia reports:

Make sure to avoid conflicts by reporting early in the planning stage. Room size should not be too large.

- Advances in atmospheric dynamics (Thomas):

More than 40 abstracts and 6 oral sessions. Went well, but many clashes with other symposia.

- Mountain meteorology (Vanda and Mathias):

Three oral sessions, 18 presentations, 2 invited, 12 posters. Good room and scheduling.

- Tropical Meteorology (Michael):

Usually a large AMS meeting, so not many abstracts from American community. Not much enthusiasm from colleagues due to other more relevant meetings. Michael ok to lead again, but maybe it should be combined with Advances in Dynamics or in another way. Final decision was to run it another time, also because next meeting close to tropics. Next meeting in tropics – maybe an excuse to build this session.

- High-impact weather and climate extremes symposium (Grotjahn):

Around 62 submission, one of the largest symposia. Both Julia and Richard will not convene this symposium anymore.

- Advances and Frontier challenges in Global Monsoon Studies (Jianping):

Many abstracts. Will run again.

- Role of Ocean-Atmosphere Interactions in Climate Variability, Change and Predictability (Hisashi, Tim):

Going well, many contributions. Happy to run the symposium again jointly with JSPO.

- Sub-seasonal to seasonal (???):

- Data Assimilation and Ensemble Forecasting (Craig) :

6 good sessions. Possibly think of a coupled data assimilation symposium. Predictability part of this session went well – this will be a theme of the Busan symposium as well. Istvan Szunyogh agreed to lead convene Busan session. Craig and Christian to co-convene.

## **2. Election of president and secretary:**

Vote result - Thomas Spengler was elected as president

Vote result – Craig Bishop was elected as secretary

## **3. Initial discussion of symposium proposals for the Busan Assembly: BACO-21**

Seok-Woo Son briefly introduced the meeting and its size. Intended to be for 6000 participants, bigger than IUGG in Montreal. Busan situated in southern South Korea. No direct flight, but train from Seoul. Reasonably priced hotels.

[http://www.moca-21.org/2017/english/main/index\\_en.asp](http://www.moca-21.org/2017/english/main/index_en.asp)

IAMAS paired with International Association for the Physical Sciences of the Oceans (IAPSO) <http://iapso.iugg.org/> and International Association of Cryospheric Sciences (IACS) <https://cryosphericssciences.org/>

Discussion of ICDM and joint symposia

**Advances in Atmospheric Dynamics** – Thomas Spengler, Nili Harnik(?), Gwendal Riviere

**Dynamics of Mountain Weather and Climate: Observations, Modeling and Prediction at All Scales** – Mathias Rotach, Vanda Grubisic (joint with IACS?)

**Tropical Meteorology** – Michael Reeder

**Advances and Frontier challenges in Global Monsoon Studies** – Jianping Li, Sumant Nigam (Joint with IAPSO)

**High-impact Weather and Climate Extremes** – Julia Keller and Richard Grotjahn will ask Brian Golding to lead (Joint with ICCL, Marine heat waves – N. Holbrook, L. Alexander (maybe joint with IAPSO?) I'll let them take the lead, this is FYI.)

**Monsoon** – Jianping Li

**Possible Joint sessions**

**Frontier challenges in data assimilation, predictability, and ensemble forecasting for the atmosphere and ocean** – Craig Bishop, Istvan, Christian Keil

Having this session joint with IAPSO makes huge sense. Other possible joint groups are IAHS, then IACS.

**S2S** (Frederic Vitart, to be contacted by Thomas or Craig)

**The Role of Ocean-Atmosphere Interactions in Climate Variability, Change and Predictability** – Tim Woollings leading, Hisashi Nakamura (with IAPSO) Possible Joint or

**Atmosphere-Ocean-Ice Interactions in the Global Climate System**

Joint for IAMAS, IAPSO and IACS

Thomas Spengler to follow up with ICPM

**4. Discussion of suggested new members:**

- i) **fill gaps in our expertise including gaps created by people rotating off ICDM.**
- ii) **build diversity, by geographic region, by ethnicity, and by gender.**
- iii) **Early to late-career, with maybe a preference for mid-career dynamicists.**
- iv) **identify people who already attend IUGG or IAMAS Assemblies.**

The following people are reaching the end of their second term:

**Bishop, Grotjahn, Harnik, J. Li, Martius**

Craig staying as secretary, the other four are leaving ICDM.

Irina Repina, Russian member, does not respond to emails.

These people are reaching the end of their first term:

**Barnes, Cavalcanti, Duan, Grubisic, Reeder, Repina, Riviere, Rotach**

Check the web page and monitor its transition to the central IAMAS platform. Need to add Nedjeljka, Caballero, and Seok-Woo to list as members. Discuss if Libby Barnes should be kept as member, as she indicated that she cannot really contribute and attend the meetings. If Libby leaves, we need to recruit at least 5 members.

Suggestions for new members from Mathias:

Heini Wernli from ETH should be asked (again) (<https://iac.ethz.ch/group/atmospheric-dynamics.html>)

George Craig, from the University of Munich:

<https://www.physik.uni-muenchen.de/personen/professoren/craig/index.html>

(his collaborator, Christian Keil, is member, however)

Jim Doyle, Monterrey: <https://www.cencoos.org/about/people/james-doyle>

or rather his wife: Carolyn

Reynolds (<https://ams.confex.com/ams/29Hurricanes/webprogram/Person104076.html>).

Dale Durrant, U of Washington:

<https://www.atmos.washington.edu/~durrant/>

Hiroyuki Kusaka, Tsukuba University in Japan

He also does meso-scale dynamics (Föhn and downslope windstorm) - but also urban meteorology

([https://www.researchgate.net/profile/Hiroyuki\\_Kusaka](https://www.researchgate.net/profile/Hiroyuki_Kusaka))

*Suggestion from Richard:*

Frederic Vitart

Kevin Reed (Stony Brook, USA) – Founder of YESS the big earth science early career (EC) group. Came to Cape Town, Montreal,.. Climate Modeling; Tropical Cyclones; Climate Extremes; Atmospheric Dynamics (Early career)

<https://www.somas.stonybrook.edu/people/faculty/kevin-reed/>

Yanping Li (Univ. of Saskatchewan, Canada) – RCMs, Meso dynamics, BL meteor, Air-sea interaction (Early Career, **female**) <https://sens.usask.ca/people/faculty/core-faculty/li-yanping.php#AcademicCredentials>

Adam Sobel (Columbia, USA) –Atmospheric and climate dynamics, tropical meteorology, extreme weather (mid career) <https://apam.columbia.edu/adam-sobel>

*Suggestions by Thomas:*

Lenka Novak (storm track dynamics)

Tiffany Shaw (storm track dynamics)

Dan Kirshbaum (mesoscale and synoptic scale dynamics)

Ed Gerber

*Jianping Li:*

Zhiwei Wu (Fudan University)

Xiongtong Zheng

*Craig Bishop:*

Tapio Schneider (NWP, parameterization)

Frank Giraldo? (NWP)

(parameterization side), Hannah Christensen (Stochastic parameterization)

*Vanda Grubisic:*

Scott Braun

Chun-Chieh Wu

Leila Carvalho

Charles Jones

Irina Sandu

*Seok- Son:*

Andrew Marshall

*Parameterization and NWP???*

Judith Berner

Hannah Christensen

Irina Sandu