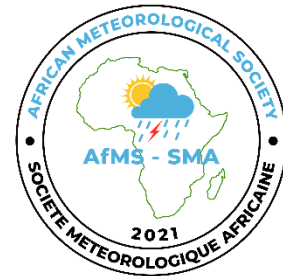


*Uniting NMSocs of the
world to make the whole
much bigger than its
parts!*



www.ifms.org

*Building Capacity around the
world by strengthening
National Meteorological
Societies & Regional
Meteorological Societies and
creating Collaborations*



SUMMARY OF THE MEETING #08 OF THE INTERNATIONAL FORUM OF METEOROLOGICAL SOCIETIES (IFMS) GLOBAL MEETING (IGM-08) HELD ON JANUARY 12, 2023

Held in Denver concurrently with the AMS 103rd Conference

Version 01

Prepared by: Dr. Harinder Ahluwalia, President IFMS

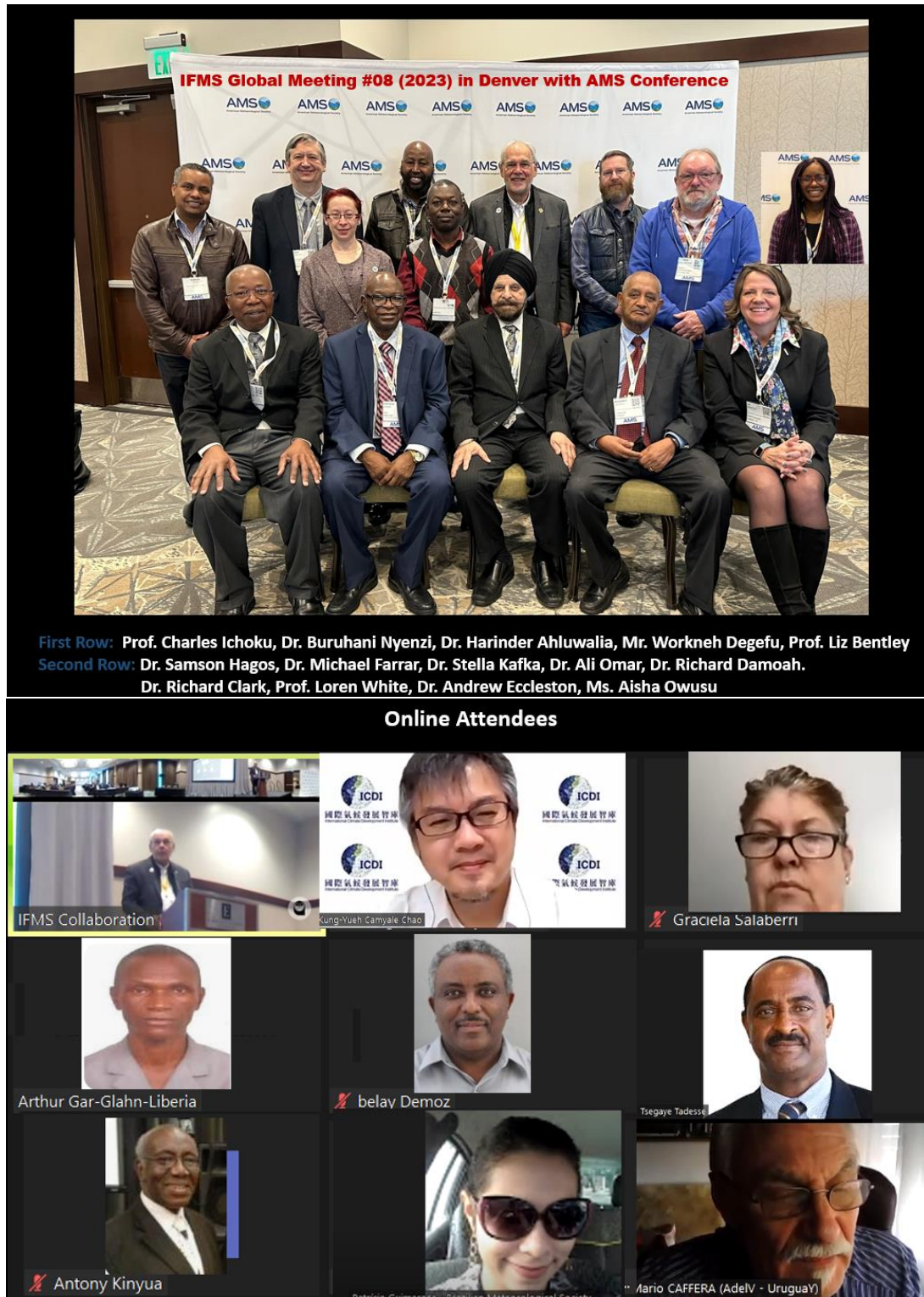
February 4, 2023

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Introduction

At the request of the African Diaspora, the eighth Global Meeting of the IFMS (IGM-08) took place in Denver concurrently with the 103rd Annual Meeting and Exhibition of AMS. It was a hybrid meeting that provided an opportunity to attend the Meeting in person (top picture) or through Zoom (bottom picture). The “Program Agenda” of the meeting is provided on the next page.



AGENDA

FINAL PROGRAM OF IFMS GLOBAL MEETING (IGM) #8 JANUARY 12, 2023 AT 8:00 AM AT THE AMS CONFERENCE IN DENVER, COLORADO, USA

Venue: Cripple Creek Ballroom of the Embassy Suites hotel

08:00 to 08:25 Meet and Greet

1. 08:25 to 08:35 Introduction to the Event by Dr. Harinder Ahluwalia – President IFMS

Harinder will explain the background and proceedings of this Meeting.

2. 08:35 to 09:00 Remarks by AMS, Dr. Mike Farrar, Dr. Richard Clark Dr. Stella Kafka and Dr. Buruhani Nyenzi

AMS as the host will welcome the delegates and then Dr. Buruhani Nyenzi - AfMS Chair and IFMS Vice-President (Administration) will thank them for their support of AfMS

3. 09:00 to 09:45 Current Status of IFMS and its Financing

This will be a Panel Discussion in which the Panel will provide ideas for financing.

Moderator: Dr. Harinder Ahluwalia

Panelists: Prof. Liz Bentley, Dr. Mike Farrar, and Dr. Buruhani Nyenzi.

09:45 to 10:00 Group Photograph

10:00 to 10:20 Health Break

4. 10:20 to 11:00 AfMS Value Proposition and its implementation through Committees

Dr. Buruhani Nyenzi to lead and Mr. Workneh Degefu and Dr. Harinder Ahluwalia will assist him.

5. 11:00 to 11:45 Diaspora and Friends of Africa and their role in the development of AfMS.

This will be a Panel Discussion with:

Moderator: Prof. Charles Ichoku

Panelists: Dr. Samson Hagos, Prof. Belay Demoz, Ms. Aisha Owusu, and one person from "Friends of Africa".

6. 11:45 to 12:30 Path Forward – IFMS and AfMS Progress and Creation of Asian Meteorological Society and Q&A

Speakers: Prof. Liz Bentley, Dr. Mike Farrar, Prof. Charles Ichoku, and Dr. Harinder Ahluwalia

12:30 to 13:30 Lunch

ACKNOWLEDGMENT:

At the outset, IFMS would like to profusely thank AMS and its management for very kindly providing the venue, breakfast, tea break, and lunch for IGM-08 held concurrently with the 103rd Annual Meeting of AMS. In addition, they supported the travel cost of Dr. Buruhani Nyenzi – the Chair of AfMS Board.

Agenda Item 1: Introduction to the Event by Dr. Harinder Ahluwalia – President IFMS

After the Meet and Greet period, Harinder welcomed all attendees – who attended this event in person or online. He introduced the “Agenda” of the day and explained what was to follow as per the “Agenda”. He thanked AMS for their very kindly hosting the IGM-08 and bearing its expenses.



He spoke about the World Weather Open Science Conference (WWOSC-2014) held in Montreal in 2014 which was sponsored by WMO and executed by Environment Canada with the help of the ECMWF and the National Research Council of Canada. He spoke about the three panels of high-caliber experts from around the world who deliberated on three important topics.

Panel 1: Weather Services **Infrastructure:** Sustaining what we have and building for tomorrow

Panel 2: Weather Services – **Present Status**, Trends, and Innovations

Panel 3: **Enhancing Weather Community Collaboration** to Meet Shared Goals for the Weather Enterprise.

Among many other conclusions, the following were the major outcomes of these discussions:

1. No Nation by itself can combat Global Warming and Climate Change, all nations must work together to get optimum results
2. No single sector – Public or Private or Academic – can tackle all the problems caused by Global Warming and Climate Change, all sectors must cooperate.
3. Weather sees no political boundaries; therefore, we must create infrastructure and knowledge capacity in those nations where it is lacking.

The above conclusions called for an organization that could assist in achieving the above objectives. As a result of those conclusions, in 2015, the undersigned, supported by AMS, organized a meeting in New Orleans on the side of the Annual Meeting of the AMS in which representatives from the National Meteorological Societies of all 6 continents participated. It was decided to formalize and strengthen the **International Forum of Meteorological Societies (IFMS)** which had been created in 2010 but had been dormant. IFMS (www.ifms.org) is a conglomeration of the **National Meteorological Societies (NMSocs)** and the **Regional Meteorological Societies (RMSs)** of the world e.g., the **European Meteorological Society (EMS)** and **Latin American and Iberian Federation of Meteorological Societies (FLISMET)**.

He stated that we have started AfMS and our next goal is to create the Asian Meteorological Society. We are also cognizant of the fact that starting a society is not sufficient, it is also important to make every effort to make it successful and that is what we plan to do. We have to make AfMS a viable and vibrant Society and, we also have to do the same for any other society we create.

He then invited Dr. Mike Farrar, President of AMS in 2021 and an IFMS Council Member for Region 4 to welcome the attendees on behalf of AMS.

Agenda Item 2: Remarks by AMS, Mike Farrar, Dr. Richard Clark Dr. Stella Kafka, and Dr. Buruhani Nyenzi

Dr. Mike Farrar started by welcoming the attendees of IGM-08. He reiterated the effort we have spent to create AfMS. He welcomed Dr. Buruhani Nyenzi – the AfMS Chair. He showed his excitement about having AfMS which will assist Africa in capacity building. He hoped that the more mature African Societies will help the newly created societies to become stronger and like AMS these societies will also provide opportunities to Public, Private, and Academic sectors and even students to bring them together to create capacity.



He also sees IFMS being a strong force in building capacity around the world and agreed that we should organize our finances, make a Strategic Plan to define what we wish to be in 5 years, 10 years, and what our 2030 Meeting should look like, and plan towards that. He also supported the idea of creating the Asian Meteorological Society.

He then introduced Dr. Stella Kafka, as the new Executive Director of AMS. Although she has completed one year, this was her first AMS Conference.

Dr. Stella Kafka then welcomed all attendees and offered the assistance of AMS in the future progress of



IFMS. She reiterated that we cannot make progress without collaborating with each other. She stated that AMS wants to work with IFMS and AfMS to build capacity around the world and in Africa.

Stella then introduced Dr. Richard Clark – the outgoing President of AMS.

Dr. Richard Clark

Dr. Richard Clark welcomed all participants. He also welcomed Buruhani as the Chair of the AfMS Board.

He hoped that attendees of this meeting were also able to attend some very interesting sessions of the main Conference.



When it comes to the environment, we all have to work together; it has to be a convergence towards issues and challenges that face us and there will be problems because these are tough challenges and require all of us to work together. We have to reduce the gap between the haves and have-nots through strategic thinking by IFMS. He stated that by being

together, we are stronger – as we say the whole is bigger than the sum of its parts. We all aspire to have a better planet. We should be making trans-disciplinary collaboration and he looked forward to working with all of us even as a past President. He appreciated the hard work of Harinder.

Dr. Buruhani Nyenzi

Dr. Nyenzi thanked AMS for its unwavering support, and hospitality and for sponsoring his participation in



this meeting. He appreciated the great interest of AMS in supporting AfMS through financial support in developing the AfMS website and RMetSoc and AMS experts in preparing training material which has been posted on the AfMS newly established website. He showed confidence in AMS supporting AfMS in its development and that AfMS will learn more from AMS to stabilize and grow.

He then recounted the history of AfMS which was registered early last year after a lengthy involved process in the host country. He also mentioned its recent very successful inauguration held on 30th November 2022. He thanked Dr. Harinder Ahluwalia the President of IFMS for his continued persistence in making sure that the process of forming and initiating AfMS' activities succeeds. He also appreciated the support of his colleagues Workneh Degefu and Tafese Gurmu of the EtMS who were instrumental in following up on the long registration process. He thanked the African Diaspora, especially those from the USA and Friends of Africa Scientists from the Meteorological and related sciences from the USA, India, and the UK for the support they are giving to AfMS. **To ensure that all these efforts, continue well, he requested African resident experts to step up their involvement in the Society's activities as this will ensure the future sustainability of the society.** He expressed the good support he received, from the former Director General of the Tanzania Meteorological Authority Dr. Agnes Kijazi, in carrying out both activities of AfMS and the Tanzania Meteorological Society (TMS). He finished his remarks by thanking all attendees to the meeting.

Agenda Item 3: Current Status of IFMS and its Financing

Moderator: Dr. Harinder Ahluwalia

Panelists: Prof. Liz Bentley, Dr. Mike Farrar, and Dr. Buruhani Nyenzi.

Harinder started off with a comprehensive presentation on Financing which is provided as a separate attachment. The main points of his presentation were:



- ✓ Up to now, IFMS has operated without any source of regular funding. Any financial needs have been fulfilled by AMS (for which we are eternally grateful) or self-funding as Harinder has been doing.
- ✓ In addition, some small amounts were contributed by some of the member societies only one time.
- ✓ He outlined the items for which funding is required – especially a secretariat for the continuity of the organization
- ✓ He then outlined sources of funding which included: Donor Agencies e.g., World Bank, AfDB, AsDB, WMO, International Aid Agencies of developed countries, benevolent organizations/ trusts, crowdfunding, task/event-based funding, advertisement in our Newsletter and Website
- ✓ Since societies are run by expert volunteers, every dollar contributed by any source will go a long way
- ✓ We need to prepare value proposition letters for each type of organization which should depend upon the objectives of that organization.
- ✓ It is also important that every NMSoc and RMS informs its members about IFMS and its Value Proposition
- ✓ We need to convince WMO and WBG that IFMS and RMSs are important components of GWE and are meant to assist NMHSs and WMO in building capacity.
- ✓ A very diligently planned strategy with well-defined steps is required to be defined and implemented.
- ✓ The real value, as well as continuity of all these societies, is dependent upon our success in financing them. Without a reasonable amount of financing

Dr. Liz Bentley

Learn from others

- ✓ Met Society business models
- ✓ Evolution over time – EMS, RMetS, etc.
- ✓ Challenges of income versus charitable activities and role of volunteers i.e., AfMS learning portal
- ✓ Non-Met Society examples: i.e., UK Science Council.



Income:

Permanent

- ✓ Membership (individual or member bodies – EMS members don't want to pay twice)
- ✓ Publishing (scientific and general)
- ✓ Events
- ✓ Accreditation/certification – licensed bodies

Temp

- ✓ Grants and trusts
- ✓ Partnerships
- ✓ Sponsorship: public and private sector, government and international bodies
- ✓ Donations – donor organizations, legacy

Strategy needed

Mike Farrar

Budget/Financing

- **Governmental**
 - Int'l:
 - ✓ World Bank & UN agencies for capacity building
 - ✓ WMO programs for partnering (indirect funding)
 - US
 - ✓ USAID, State Dept
 - ✓ NOAA, NASA, etc. for specific projects (indirect funding)
- **Philanthropic**
 - ✓ Individuals (e.g., Diaspora)
 - ✓ NGOs, etc. for specific projects (direct and indirect)
 - ✓ Climate adaptation/mitigation
 - ✓ Education (teachers, awareness, etc.)
 - ✓ Private sector partnerships
 - ✓ Sponsorship (quasi-philanthropic)
- **Project based (indirect)**
- **Peer organizations**
 - ✓ National Met Society contributions (direct \$ or in-kind)
 - ✓ Facilitate charitable contributions by members
- **Self-funding**
 - ✓ Individual membership with dues + charitable contributions
 - ✓ Org conferences with registration fees and sponsor opportunities



Buruhani Nyenzi

Buruhani emphasized the need for people, especially IFMS council members to be dedicated, and responsive to messages from the President and other members too. In previous years at least members were assigned to work on various issues and they did which is not the case now.

In terms of Financing, he just mentioned that in his experience with developing countries, it is really difficult to get government funds sent out but at the same time if you ask NMSoc to pay some could pay but the majority may not be able to pay. However, this should not stop us from still continue asking to pay. He also emphasized the need for IFMS to develop its strategic plan which it can sell to funding Agencies.



Agenda Item 4: AfMS Value Proposition and its implementation through Committees

Dr. Buruhani Nyenzi to lead and Mr. Workneh Degefu and Dr. Harinder Ahluwalia to assist him.

The AfMS was created in 2021 and inaugurated on November 30, 2022. The Constitution was agreed upon and the Board was created (see the following Figure for the Board).



The AfMS value Proposition defines its main objectives. It defines the activities which need to be implemented in order to meet the intended objectives of society. These activities are defined in eleven categories which, among others, include Capacity building, Collaboration in S&T, holding Conferences, creating means of easy communication; supporting scientific publications, and other activities as provided on the slide. Please see Annex B for the Value Proposition of the AfMS.

In order to implement these activities ten AfMS Committees have been established to serve under each of these activities. Each of these committees has a Chairperson and a number of expert volunteers to serve under each of them. The committees under their chairs are currently getting organized to develop their Terms of Reference (TOR) for their work. The work of these committees will be very useful for the long-term success of AfMS. However, there is a great need to have people volunteer to work on these committees. An effort has been made to get experts to serve under them. All committees have already got some expert Volunteers and Chairs.



We then outlined the tasks to be executed to operationalize AfMS this year 2023:

1. Creating NMSocs and increasing AfMS membership.
2. Organizing Finances,
3. Communication mechanism including for Webinars and Conferences,
4. Education & Training,
5. Organizing Webinars,
6. AfMS publishing its own Scientific Journal,
7. Holding Africa-wide Conference in one of the member countries,
8. Creating a strong relationship With NMHSs,
9. Diaspora looking into supporting African bright students to come to US, UK, etc. for further education and training
10. Looking into the feasibility of Certification of professionals.

Agenda Item 5: Diaspora and Friends of Africa and their role in the development of AfMS.

This was a Panel Discussion with:

Moderator: Prof. Charles Ichoku

Panelists: Dr. Samson Hagos, Ms. Aisha Owusu, and Prof. Belay Demoz (who participated virtually), Dr. Harinder Ahluwalia represent the “Friends of Africa”.



The moderator first outlined some **potential avenues of engagement by the African Diaspora and Friends of Africa (DFA)** Committee members to support AfMS activities over the long term:

1. Assisting the teams that create AfMS education and training (E&T) courses
2. Presenting Webinars on topics of interest to AfMS
3. Teaching courses when invited to do so at AfMS E&T events
4. Participating in international Science and Technology (S&T) collaborations
5. Mentoring African students and early-career scientists
6. Offering Postdoctoral and Graduate student opportunities to qualified African students
7. Participating in AfMS Conferences
8. Assisting the AfMS in organizing its Conferences
9. Assisting the AfMS in other miscellaneous ways

Following this brief introduction by the moderator, the panelists were each allowed 3–5 min to briefly introduce themselves and give their opening remarks to provide some background perspectives on the topic.

They would offer further insights as they address the questions to be asked by the moderator and members of the audience.

The questions that were asked by the moderator were:

1. How can we sustain the interest and active participation of our members in this endeavor?
2. What are possible effective ways to increase membership of Diaspora and Friends of Africa from across the world in AfMS and how do you see your role in this effort?
3. How can our colleagues that are based in Africa be effectively encouraged to actively participate in AfMS activities, given the extremely low motivation they have to engage in STEM (Science, Technology, Engineering, and Maths) research in Africa due to the lack of support and research funding?
4. What is your vision of what the AfMS will become/accomplish in the next decade?

The panelists offered their respective constructive insights to these questions, as they deemed appropriate. The answers varied in detail and depth, depending on the expertise and experience of the individual panelists. Several participants in the audience also asked questions or offered some insights to address some of the questions that were asked by the moderator or other participants.

Some of the recommendations offered by the panelists and other participants for implementation by the African Diaspora and Friends of Africa (DFA) Committee include:

- a. Start a website to collect the activities of the DFA Committee members and link the website to the AfMS website. [**Belay Demoz**]
- b. Establish a monthly discussion forum where the DFA Committee can: [**Samson Hagos**]
 - i. Promote AfMS and its activities so that all new members will be encouraged to get involved.
 - ii. Invite a researcher or metrological operations person based in Africa to give a brief introduction of themselves and their work, so that they can get introduced to AfMS and DFA Committee members.
 - iii. Discuss student/faculty opportunities as they arise.
- c. Change the time of the DFA monthly meetings that take place every first Friday of every month to 11:00 am US Eastern (New York) Time, to accommodate more participants. [**Ali Omar**]

Additional suggestions to AfMS in this and other sessions by members of the African Diaspora and Friends of Africa:

- a. It would be good to accommodate individual memberships of AfMS from anywhere in the world so that they can pay Annual Dues that can sustain the operations of AfMS at least in the beginning until NMSocs memberships and other options are implemented. Individual members in Africa may be called “Associate” members, while those outside of Africa may be designated as “International” members. [**Charles Ichoku**]
- b. Someone in AfMS administrative office should be active in coordinating AfMS activities, including keeping all records and communicating with everyone (rather than leaving the weight of all that on Harinder’s shoulders). [**Charles Ichoku**]

Agenda Item 6: Path Forward – IFMS and AfMS Progress and Creation of Asian Meteorological Society and Q&A

Speakers: *Prof. Liz Bentley, Dr. Mike Farrar, Prof. Charles Ichoku, and Dr. Harinder Ahluwalia*

Prof. Liz Bentley:

Path Forward:

IFMS journey to date

- GM1 Atlanta 2010 - AMS 19 societies
- GM2 China 2011 34 delegates from 16 countries
- GM3 UK RMetS / EMS 2013 17 societies
- GM4 New Orleans 2016 AMS
- GM5 Budapest 2018 EMS
- GM6 Boston 2019 AMS
- GM7 Virtual – in 2021
- GM8 Denver 2022 AMS
- Website
- Newsletter since 2018
- Constitution, by-laws, incorporated
- AfMS website (long-term plan)
- Learning Portal for Africa
- COP27.



Priorities 2023 and beyond:

- Prepare a Strategic Plan – for the next 5 years
- Value to Meteorological Societies – relevant, useful, and share
 - Newsletter
 - Website
 - Events (big) and webinars – GM attendees (not at GM#8 – why?)
 - Activities – similar to the AfMS learning portal
 - Science and Technology – share.
- Help strengthen current met societies and regional met societies (whole is stronger than parts) AfMS, FLISMET - Forums
- Grow the number of met societies and new regional met societies
- Focused events: COP28 – UAE, COP29 – Europe
- Next GM#9

Dr. Mike Farrar

The way forward: IFMS and AfMS progress and creation of Asian Met Society

IFMS Progress:

- Creation of AfMS is a great success; we should all be proud (especially Harinder and the National Meteorological Societies in Africa)

- Growth of IFMS is modest; we need to develop a thoughtfully developed Strategic Business plan:
 - Recommend we seek an outside consultant/expertise, hopefully, a philanthropic volunteer
 - Fundamental question: what do we want IFMS to be in 5-10 years?
 - Relationship with WMO is a delicate balance, but one we should carefully pursue”
 - Recommend we seek narrowly focused partnerships with specific WMO programs and projects, rather than seek broad WMO sponsorship/funding
- AfMS Progress:
- Once again, let’s celebrate the creation of AfMS!
 - AfMS will only succeed if principally led by African National Meteorological Societies with a sustainable business model for the long term.
 - Requires realistic goals for AfMS and new national met societies
 - Active participation of the established national met societies is key
 - How can AfMS tap into other sub-Africa regional partnerships?
 - What is the proper role of non-African national met societies?
 - Translation of education and training materials
 - Sharing of best practices
 - Connection to potential resources
 - Individual mentorships/partnerships (e.g., AMS international partners program)



Creation of Asian Met Society:

- Geopolitics is the ‘elephant in the room’ so we should acknowledge and account for it.
 - UN and international organizations have navigated it so can we, if we are careful and deliberate
- Like AfMS, established Met Societies are the key (e.g., China, Japan, Korea, etc.)
 - Chinese Met Society (CMS) is an essential partner; we cannot have a truly successful Asian Met Society without substantial CMS participation
- Also, the Asian diaspora can play a key role in building the partnership
- Fundamental questions:
 - What are the objectives for the Asia region? Similar or different than EMS or AfMS?
 - Is Asian Met Society really the best objective, or should it be Asia-Pacific to incorporate Pacific Island nations and/or Australia/NZ?
- Is there room for just one more (Asia or Asia-Pacific), or can we also reconsider Latin America?
 - US uniquely situated to partner with Latin America
 - Language barriers are simpler (Spanish and Portuguese enable comm.)
 - Large diaspora in US and 2nd gen+ family connections

Mike stated that IFMS should also help strengthen FLISMET (Federación Latinoamericana e Ibérica de Sociedades de Meteorología – also called Federation of Latin American and Iberian Meteorological Societies).

With its large Hispanic population, AMS should be able to help.

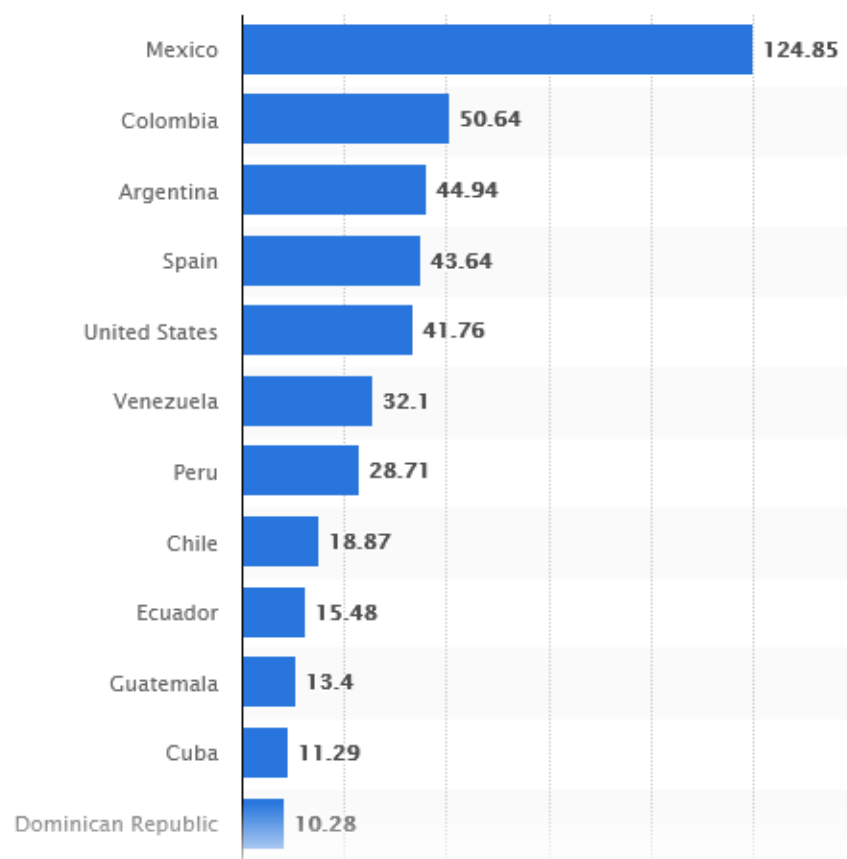
Harinder responded by stating that IFMS tried to help them, but they appeared to believe that they can strengthen FLISMET themselves which hasn’t happened. Harinder even spoke in one of their meetings.

Following is the list of members of FLISMET:

1. Argentina: "Centro Argentino de Meteorólogos (CAM)"
2. Brazil: "Sociedade Brasileira de Meteorologia (SBMET)"
3. Bolivia: "Sociedad Meteorológica de Santa Cruz"
4. Colombia: "Sociedad Colombiana de Meteorología (SOCOLMET)"
5. Cuba: "Sociedad Meteorológica de Cuba (SOMETCUBA)"
6. Chile: "Colegio de Meteorólogos de Chile A.G."
7. Ecuador: "Asociación de Meteorólogos del Ecuador (ASOMET)"
8. Spain: "Asociación Meteorológica Española (AME)"
9. Mexico: "Organización Mexicana de Meteorólogos A.C. (OMMAC)"
10. Peru: "Sociedad Meteorológica de Perú (SOMET-PERU)"
11. Portugal: "Associação Portuguesa de Meteorologia e Geofísica (APMG)"
12. Uruguay: "Sociedad Amigos del Viento (AdelV)"

We are not sure whether the highlighted members still have active Meteorological Societies. Even determining that is an important step but has been difficult one up to now.

Countries with the largest number of native Spanish speakers worldwide in 2021 (in millions)



Dr. Harinder Ahluwalia

- Dr. Ahluwalia agreed with the comments made by Prof. Bentley and Dr. Farrar.
- The Strategic Plan for the next 5 years to 10 years has been on our minds, but it requires manpower to prepare it. Both Prof. Bentley and Dr. Farrar agreed to find some experts to help us prepare it. However, we should first do a Survey of members to see what they see us doing for IFMS in the next 5 to 10 years. Harinder will prepare this Survey and distribute it to member societies. For that, we need IFMS Council Members to provide initial ideas about what they want to see IFMS do in the next 5 to 10 years. Note: It is one of the main topics for the next Council Meeting ICM-26.
- Our 5 Sessions Conference of 2021 (November and December) was quite successful. Five sessions were conducted through Zoom because of the pandemic. The sessions were dedicated to the following topics:
 - Session 1:** Get to know your partners – covered in two sub-sessions one for societies in the West and the other for societies in the East,
 - Session 2:** How to create NMSocs and a panel on Education and Training (E&T) with a moderator and four panelists,
 - Session 3:** A presentation on IFMS Value Presentation and a Panel discussion to discuss the future direction,
 - Session 4:** Global Warming and Climate Change – its causes, remedies, and protection. Followed by a Panel on what is required to protect ourselves e.g., accurate impact-based weather forecasting, Multi-Hazard Early Warning Systems, building Institutional and Societal Capacity, etc.,
 - Session 5:** Multi-Hazard Early Warning System presentation by two European Experts who worked on A4EU followed by a Panel Discussion with four panelists.
- We should organize similar sessions in Oct.-Nov., 2023.
- Regarding the creation the of Asia Pacific Society, this was discussed before and it was decided that the Asian Society should include ASEAN countries. However, South Pacific should have its own Regional Meteorological Society. We consider that the support of all existing Asian NMSocs is very important in the formation of the Asian Meteorological Societies including Japan, Korea, China, India, etc. as well as SAMA countries.
- Regarding the South American Meteorological Society – FLISMET, it already exists. It has the following countries as their member:
- Following items outline Harinder's recommendation for the next 5 to 10 years.



Work Hard to Finance IFMS

1. Make a strong Committee for Financing IFMS to give Keith Seitter strong assistance in looking for financing for IFMS.
2. This Committee should develop a viable plan with executable steps.
3. Take steps to execute these steps as per a schedule which should be a part of the Plan.
4. Now that we have some important activities to showcase and create a Value Proposition for each type of donor, we have to work on Financing on a war footing.
5. Further progress in our work can only be achieved with financing.

Work hard to make AfMS successful

1. AfMS has been created but real work starts now.
2. All its committees need to be activated.
3. We have to make sure that each Committee has a clear TOR and produces a Committee Plan.
4. Each Committee must start taking action and coordination has to be impeccable.
5. New NMSocs have to be created in Africa.

6. More Volunteers have to be recruited.
7. Training Programs have to be made available to all countries.
8. We have to work hard to arrange finances for AfMS.
9. Above all, a strong interest has to be created among resident Africans.

Create Asian met society

- 1) After having created AfMS, it is logical to create AsMS.
- 2) The current situation is that Japan, Korea, and China have some cooperation going.
- 3) South Asian Meteorological Association (SAMA) led by AVM Tyagi and Dr. Someshwar Das and having 9 SA countries as members is also working hard as we can see from their recent announcements on Training – which we have also announced and a number of non-SAMA people have also registered.
- 4) We need to make a plan for that and execute it diligently to achieve desired results.
- 5) All the above NMSocs and would-be NMSocs have to be convinced about the utility of AsMS.

What do we need to do for IFMS?

- 1) We need to change our modus operandi.
- 2) Like AfMS, Committees should be run by volunteers and each one should have a Chair from Volunteers.
- 3) A lot of emphasis needs to be placed on the coordination of the work of components of the GWE – the current situation is causing a lot of inefficiencies.
- 4) For example, all training Programs should be coordinated – no matter which organization is giving the training.
- 5) All Best Practices should be gathered and made available to all Member Societies.
- 6) We must convince WMO for the partnership for conducting World Weather Open Science conferences.
- 7) Work on each item of our Value Proposition.

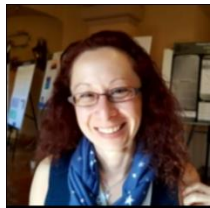
ANNEX A: Speeches of AMS Leadership

Mike Farrar



Good morning, thank you, Harinder. I am Mike Farrar, I have been the President of AMS and my daytime job is with the National Weather Service (for which he is the director of NCEP). My goal here is to welcome all the delegates to this 8th Global Meeting of IFMS. As Harinder said we have spent a lot of effort in the last couple of years helping our friends In Africa stand up and create the AfMS – the African Met Society. We are honored to have Dr. Buruhani here today, the first President (Board-Chair) of the African Met Society. I am very excited about that mission and also African Nations - existing and more mature NMSocs in Africa to help them grow and help the developing countries to create new ones. For more mature National Societies, it is an extremely important mission to create those venues of developing capacity in the developing world. I think this is an extremely important mission to create those venues where just like AMS in the USA, we want to see them create cooperation between the three sectors Academia, Public, and Private sectors, as well as, students. As Harinder said, we will be talking about Finances, ideas about how we are doing (self-evaluation), and how we can take lessons learned. Like the African Met Society, we want to create the Asian Meteorological Society. I think we should have a strategic discussion; we should think very hard to determine what we want IFMS to look like in five or ten years; imagining ourselves in the 2030 Meeting; what would that look like, what we want that to look like, and the start to build a Plan toward that? With that, I would like to introduce Dr. Stella Kafka our new Executive Director of AMS – in fact not so new because she has already completed one year. But this is her first in-person meeting. She will be working with you in the future.

Dr. Stella Kafka



Good morning, everyone – it is pleasure to welcome you both in person and online, to the IFMS Meeting. As Mike Farrar was saying, this is my first year as the Executive Director of the AMS, but at the same time, all the issues I am dealing with are noble. We cannot make progress without all of us being together. We want to work towards making IFMS and all Met Societies successful, we want to work with you, and we want to hear from you what you need from us. What help we can provide? I want to make my speech short because I want to give sufficient time to our President Dr. Richard Clark.

Dr. Richard Clark



Good morning, everyone. I am the outgoing President of the AMS. I am sort of getting used to that already. The incoming President Brad Coleman had another meeting to attend this morning.

Welcome everyone. I hope that you had some time to enjoy and attend some Annual Conference meetings. I think they are pretty good but I am a little bit biased. As Mike knows, you spend a lot of time working up to the Annual Meeting.

Thanks, Harinder for all the work you do for the IFMS and Buruhani, I appreciate you being here. I hope to talk with you during the break. Actually, I would like to speak to each one of you during the break to know about your organization and how we can better partner because it is all about that, you also said it. When it comes to the environment, we all expect that people of the earth and we have to work together; it has to be a convergence towards issues and challenges that face us and there will be problems because these are tough challenges and require all of us to work together. We have to ensure that there is not such a big gap between developed countries – the haves and have-nots.

We have to do anything we can do through IFMS – I think that will be one of the strategic things we should look at. How we can reduce those kinds of gaps? How we can help each other and make sure that everyone has the tools and the access they need because ultimately, we are all in it together is a common message. I think by being together, we are stronger – as we say the whole is bigger than the sum of its parts – absolutely that is true in our case. If we can come together and move forward on these issues – I think we can really, really, I know that some of it is a cliché, but we all aspire to have a better planet. We should be everyday seekers of that, we should be moving in the direction of making to have trans-disciplinary collaboration and I look forward to working with each one of you. Even though I move on, Mike moves on to be the second Past President and, I as usual as past President, it is a continuum in the end, I am very much interested in being a part of this society adding to the strength that IFMS brings. (Pointing to Harinder), I congratulate you, I know how hard you work. I wasn't very much involved in IFMS till I became President-elect of AMS, and started to find out about it. There is no one who works harder than this gentleman. Thank you for the opportunity to make this presentation.

Comments by Dr. Buruhani Nyenzi – AfMS Chair and IFMS Vice President (Admin)

IFMS GLOBAL MEETING-8 (IGM-8), 12th JANUARY 2023 AT THE AMS CONFERENCE IN DENVER, COLORADO, USA

In the first place, I would like, through the President of AMS to thank the AMS fraternity for your hospitality in sponsoring my participation in this meeting and offering AfMS an opportunity to hold this meeting during your busy AMS scheduled Annual event. Of course, so far you have already shown your great interest in supporting our course through financial support in developing the AfMS website and your experts in preparing training materials some of which have already been posted on the AfMS newly established website. I have no doubt that in the near future, the AfMS will learn more from AMS to stabilize and grow. We will be counting on AMS's continued support and mentorship.



AfMS was registered early last year after a lengthy involved process in the host country and you witnessed its recent very successful inauguration held on 30th November 2022. My thanks go to Dr. Harinder Ahluwalia the President of IFMS for his continued persistence in making sure that the process of forming and initiating AfMS' activities succeeds. The support from IFMS in this process is well recognized considering the three of us are members of the IFMS Council. My colleagues Workneh Degefu and Tafese Gurmu of the EtMS were very much instrumental in following up on the long registration process. We thank AMS and other Societies that have provided us with support in any form during this process. We thank the African Diaspora, especially those from the USA and Friends of Africa Scientists from the Meteorological and related sciences from the USA, India, and the UK for the support they are giving to AfMS. To ensure that all these efforts, continue well, we are currently encouraging the African resident experts to step up their involvement in the Society's activities as this will ensure the future sustainability of the society. I thank you and Asante Sana.

ANNEX B: Financing of IFMS

Organizations involved in creating a "Weather Ready Globe"

 World Meteorological Service Financed by United Nations	 National Meteorological Societies Financing from various Sources	 Hydro-Meteorological Equipment Industry Financed by Industry	 World's Local Developed & Developing Nations Financed by World's Richest Nations
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**PANEL ON
IFMS FINANCING**

**PRESENTATION BY
HARINDER AHLUWALIA**

January 12, 2023

 **IFMS Financing – What for?**

In order to operate IFMS effectively, a certain amount of funding is required for the following activities:

- 1) Operation of the Secretariat including Executive Director, one or two people to assist, and some travel expenses of the Secretariat and Council personnel,
- 2) Publication of the Newsletter,
- 3) Maintenance of Website,
- 4) Running Webinars & preparing Training Programs,
- 5) Travel expenses of delegates of LDCs who cannot afford to pay for the travel for their participation in biennial Meetings of the IFMS.
- 6) Some Financial Assistance to newly formed societies – financing is their main problem for lack of progress.
- 7) Event-based Financing to Developing Member Societies, etc., etc.

 **IFMS FINANCING**

1. Up to now, IFMS has been operating without much funding.
2. Whenever some funding is required AMS has been coming through for which we are obliged.
3. Some minor amounts have been provided by some member NMSocs for which we are grateful.
4. Council Members have been supported by their organizations or have funded their own travel and other expenses.
5. For example, in addition to spending considerable time and effort for IFMS, Harinder has been funding his own travels and many other expenses.
6. This is not a sustainable situation.
7. With IFMS having shown its utility, Value Proposition can be easily created.
8. This year we must organize funding for IFMS.

 **Sources of IFMS Financing**

1. Donor Agencies: Since IFMS is an organization working for the betterment of the world using mostly volunteer services, we must be able to make an appropriate Value Proposition for each Donor organization to invest its money in IFMS.
2. Because the work is being done mostly by volunteers, the benefit of small investments by these agencies will produce a much bigger benefit.
3. Some of these organizations are: the World Bank, AfDB, AsDB, WMO, International Aid Agencies of developed countries,
4. Benevolent organizations/trusts set up by people like Warren Buffet, and Bill Gates, or organizations like Google, etc.



Sources of IFMS Financing

5. One of the ideas was to request all member societies to contribute 1% of their membership fee to IFMS (as per IFMS Meeting #4) minimum amount will be \$250. This idea has not succeeded.
6. Even some larger societies (except AMS) which could afford it, did not come forward. This situation must be changed!
7. Crowd Funding is another idea that could work if all societies support it by asking their members to donate. The general public will also contribute.
8. Event-based funding from various organizations including Aid Agencies, and some organizations within each country which support such event-based activities.
9. Advertisement in our Newsletter. Needs well-planned circulation of Newsletter – a person needs to be assigned to take charge of email lists and Website maintenance.



Prepare Value Proposition Letters for?

1. Member Meteorological Societies
2. Multinational Aid Agencies e.g. World Bank, Asia Development Bank, African Development Bank (AfDB), South American DB., etc.
3. National Aid Agencies e.g. International Development Aid Agencies of USA, UK, Canada, Germany, France, Italy, Australia, etc.
4. WMO
5. Philanthropic Trusts such as those of Warren Buffet, Bill Gates, etc.
6. Private Sector – what benefits IFMS can provide to the private sector
7. Crowdfunding – needs a dedicated person to update messaging.
8. It is also important for each NMSoc to put a line item in their membership application for contribution (if they wish) to IFMS



What we need to do?

- 1) Identify Financial Requirements i.e. Required Budget e.g. for Salary (**honorarium**) of Secretariat staff, Office Expenses, Travel Expenses including funds for travel to IFMS Meetings by developing countries which cannot afford the expenses of such travel, Web Upgrade and Maintenance, etc.
- 2) Make target amounts for Sources of funding e.g. contribution by societies, Aid Agencies, WMO, Private Sector, Advertising on IFMS Website and eventually Bulletin, eventually assistance to Industry to connect to various countries



What more we need to do?

1. All members must advertise and popularize IFMS as much as possible. We are the ambassadors and salespeople of IFMS – strong effort is required!
2. Strengthen IFMS by devoting more effort. *Some of us can do more!*
3. Increase our circulation of the Newsletter by including the following organizations.
 - a) All member & associate member societies which should in turn inform their members.
 - b) All NMSs and their staff.
 - c) WMO and its staff
 - d) Private Sector Sellers of equipment and services
 - e) Private Sector Users
 - f) Philanthropic Organizations
4. Our Communication Committee needs to do the above and keep all the lists up to date.



Potential Donor Agencies

1. [Australia - Department of Foreign Affairs and Trade \(Development Cooperation Division\), formerly AusAID](#)
2. [Austria - Austrian Development Agency - ADA \[www.ada.gv.at\] The Austrian Development Cooperation \[1\], Austria Wirtschaftsservice Gesellschaft \(aws\) \[2\]](#)
3. [Belgium - Ministry of Foreign Affairs, Foreign Trade and Development: Belgian Policy Plan for Development Cooperation \[4\], Belgian Technical Cooperation - BTCCTB \[5\]](#)
4. [Canada - Canadian International Development Agency \(CIDA\) and International Development Research Centre \(IDRC\) CIDA has now been folded into the Department of Foreign Affairs.](#)
5. [China - Department of Foreign Aid of the Ministry of Commerce \(MOFCOM\) \[3\]](#)
6. [Denmark - Danish International Development Agency \(DANIDA\)](#)
7. [European Union - EuropeAid Development and Cooperation \[6\]](#)



Financing – how? Cont'd

17. [New Zealand - New Zealand Agency for International Development \(NZAid\) \[17\]](#)
18. [Netherlands - Ministry of Development Cooperation \[18\] \(has its own minister but is a part of the Ministry of Foreign Affairs\)](#)
19. [Norway - Ministry of Foreign Affairs: International Development Program \[19\] and Norwegian Agency for Development Cooperation \(NORAD\)](#)
20. [Switzerland - Swiss Agency for Development and Cooperation \(SDC\), Helvetas](#)
21. [United Kingdom - Department for International Development \(DFID\)](#)
22. [United States - United States Agency for International Development \(USAID\), the Inter-American Foundation \(IAF\), Millennium Challenge Corporation \(MCC\), and the African Development Foundation \(ADF\)](#)



Financing – how? Cont'd

8. [Finland - Department for International Development Cooperation \(FINNIDA\) \[7\]](#)
9. [France - Department for International Cooperation \[8\] and French Development Agency \(AFD\)](#)
10. [Germany - Federal Ministry for Economic Cooperation and Development, Kreditanstalt für Wiederaufbau \(KfW\), and Deutsche Gesellschaft für Internationale Zusammenarbeit \(GIZ\)](#)
11. [Italy - Ministry of Foreign Affairs: Italian Development Cooperation Programme \[11\]](#)
12. [Japan - Ministry of Foreign Affairs: Official Development Assistance \[12\], Japan International Cooperation Agency \(JICA\), and Japan Bank for International Cooperation \(JBIC\)](#)
13. [Korea - Korea International Cooperation Agency \(KOICA\) \[13\]](#)
14. [Kuwait - Kuwait Fund for Arab Economic Development \[www.kuwait-fund.org\]](#)
15. [Liechtenstein - Liechtensteinische Entwicklungsdienst \[14\]](#)
16. [Luxembourg - Lux-Development \[15\]](#)



Financing – how? Cont'd

Multilateral or international Banks

1. [World Bank Group \(WBG\)](#)
2. [African Development Bank \(AfDB\)](#)
3. [Development Bank of Latin America \(CAF\)](#)
4. [Asian Development Bank \(ADB\)](#)
5. [Caribbean Development Bank \(CDB\)](#)

Others:

[World Meteorological Organization \(WMO\)](#)



Conclusions ...CONT'D

7. WE HAVE TO STRENGTHEN COMMITTEES.
8. HARD WORK & PLANNING ARE REQUIRED FOR ORGANIZING FINANCING BY IMPLEMENTING THE STEPS DISCUSSED IN THIS PRESENTATION.
9. OUR OBJECTIVE IS TO BUILD CAPACITY AROUND THE WORLD AND ESPECIALLY IN DEVELOPING AND LEAST-DEVELOPED COUNTRIES.
10. THIS IS A NOBLE CAUSE AND WE SHOULD BE ABLE TO ARRANGE FINANCING FOR IT.
11. IF PROPERLY EXPLAINED IN A CONVINCING MANNER, Even WMO AND WBG SHOULD BE HAPPY TO HELP US - AFTER ALL, IT IS FOR THEIR BENEFIT

LET'S MAKE FINANCING OUR MISSION