

# **Name of the Union**

## **IAMAS-IUGG**

### **Activities' Report - Year 2020**

#### **Delegate/Author Name**

**Mario Marcello Miglietta**

#### **1. Introduction**

Unfortunately, in 2020 the pandemic slowed down all activities related to IAMAS-IUGG. As a result of the emergency situation, it was not possible to carry out the second part of the workshop "State of the art and perspectives on the prediction of natural events", which was scheduled for this year, promoted by the National Commission for the participation of the CNR in IUGG. Even at international level, there has been a slowdown in the activities of the IAMAS Executive Committee, and the preparatory work for the joint IAMAS / IACS / IAPSO meeting, scheduled for July 2021 in Busan (South Korea), has been interrupted, given the postponement of the meeting to July 2025.

#### **2. Main activities carried on by IAMAS during 2020 relevant for Italy and for CNR**

In line with what was done by the previous IAMAS delegate (Dr. Teodoro Georgiadis), IAMAS-IUGG continues to provide endorsement to UNIMET, which constitutes a sort of national coordination of numerous Italian meteorological associations.

The undersigned participates, as vice-chair for the Orographic Convection WG, in the TEAMx program (Multi-scale transport and exchange processes in the atmosphere over mountains - program and experiment), whose first workshop was financially supported by IAMAS and IUGG. TEAMx is an important scientific program that aims to study, also through a specific measurement campaign planned in the Alps (which was postponed due to the pandemic between spring 2024 and spring 2025), the meteorology in the mountain area with the most recent modeling and observational tools.

#### **3. Activities carried on by (Italian Delegate name) within the Union during 2020 and impact on the Italian scientific community**

Unfortunately, the promotion of the Association's activities has been slowed down due to the persistence of the emergency situation. The possibilities of endorsement by IAMAS have been limited also because the meteorological events in presence, planned within our country, have practically disappeared. For example, among the initiatives to which IAMAS had proposed the possibility of endorsement, the two-year summer school organized by ISAC-CNR (<http://ss2020.le.isac.cnr.it>), scheduled for June 2020, was initially postponed by one year and then canceled, while the CVC Convective and Volcanic Clouds detection, monitoring and modeling school (<http://www.cvctrainingschool.org>) was canceled in both 2020 and 2021.

Given the slowdown in the work of the IAMAS Executive Committee, no response has been received yet to the undersigned's proposal for the establishment of a new commission to deal with mesoscale meteorology, formulated during the meeting held in Montreal.

As part of the National Commission for the participation of the CNR in IUGG, a conference on the different types of forecasting of natural events and risks had been scheduled, following the one held in Rome on 26-27 November 2019. The second part of the workshop on "State of the art and perspectives on the prediction of natural events", focused on the prediction of natural hazards both in the short and long term, should have considered the types of hazards neglected in the first event, and should have focused on the interaction with stakeholders. This activity has also been postponed to a later date.

#### **4. Evaluation of the participation in terms of benefits and membership cost**

Obviously, the particular situation of the pandemic makes it difficult to evaluate the participation in the Union in relation to the benefits / costs of membership in the last year. This assessment must then be made over a longer period, from which it emerges that the participation in the Union has made it possible to: bring to the attention of the Association the activities carried out by the national community of atmospheric sciences and meteorology; be able to benefit from a part of the funding allocated for this purpose (such as the TEAMx workshop of 2019 financially supported by IAMAS-IUGG, in which many Italian researchers participated). These considerations indicate that the benefit / cost ratio of membership is extremely favorable.

#### **5. Evaluation of Italians' attendance and how to improve interest and involvement**

The establishment of the Commission for the participation of the CNR in IUGG was certainly very important in coordinating and strengthening national activities within the Association. Unfortunately, the emergency situation has considerably slowed down the Commission's activities. In order to improve the interest and involvement of the national community, the undersigned has contacted the president of the Italian Association of Atmospheric Sciences and Meteorology (AISAM), prof. Dino Zardi, who showed full willingness to disseminate the activities of IAMAS. Therefore, the undersigned will write an article on IAMAS which will appear in the next issue of the newsletter and will keep the secretariat informed about IAMAS activities that may be of interest to AISAM members.

#### **6. Italian experts with important roles within the Union or within related Commissions and Programs (if known)**

- Maria Cristina Facchini (ISAC-CNR): member of the International Commission on Atmospheric Chemistry and Global Pollution (ICACGP)
- Christina Plainaki (INAF-IASP): secretary of the International Commission on Planetary Atmospheres and their Evolution (ICPAE)
- Alcide Giorgio di Sarra (ENEA / UTMEA-TER): member of the International Radiation Commission (IRC)
- Teodoro Georgiadis (IBE-CNR): member of the Capacity Building and Education Committee

#### **7. If Union with CNR Commission, short summary about the 2020 CNR Commission activities**

No.

#### **8. Conclusions**

The balance of the second year as IAMAS national delegate obviously suffers from the slowdown of the activities in presence both nationally and internationally. It is hoped that in 2021 it will be possible to resume the activities carried out for the association with greater continuity, in particular by promoting and supporting new internal (workshops) and external (schools, conferences, dissemination activities) initiatives, and improving the interaction with the various national associations in the field.

Padua, 7 April 2021

Signature

