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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS UNION GEODESIQUE ET GEOPHYSIQUE INTERNATIONALE (IUGG)

Activities' Report - Year 2017

Prof. Giuliano F. Panza

1. Introduction

The "Implementation Actions for the IUGG Strategic Plan 2016-2023", adopted for the first time by the IUGG Council in 2016, is downloaded at: http://www.iugg.org/special/IUGG_StrategicPlan_2016-2023.pdf. Every month, 'The IUGG electronic journal' is published informing about the activities and initiatives of the eight Associations of the Union and about the actions carried on by the Secretariat (<http://www.iugg.org/publications/ejournals/>).

2. Main activities carried on by IUGG during 2017 relevant for Italy and for CNR

In 2017, IUGG supported the following Scientific Meetings in Italy:

- Past Antarctic Ice Sheet (PAIS) conference, Trieste, Italy, 10-16 September
- International School of Space Science. Advanced Course on Complexity and Turbulence in Space Plasmas, L'Aquila, Italy, 18-23 September
- THEMES 2017, Venice, Italy, 29 November-1 December

3. Activities carried on by the Italian Delegate within the Union during 2017 and impact on the Italian scientific community

The following are some of the activities carried on by IUGG Delegate during 2017:

- Take part in the EGU Election Autumn 2017, to vote for EGU Union President, General Secretary and Division Presidents. The result of this action was the election of the Italian expert prof. Alberto Montanari as EGU Vice-President;
- Keynote presentation on "NDSHA: robust and reliable seismic hazard assessment" during the CDRM 2017 - International Conference on Disaster Risk Mitigation, held in Dhaka, Bangladesh on 23-24 September 2017 (<http://buetdrr.com/index.php/icdrm2017>);



- Introduction to the book «Resilienza delle città d'arte ai terremoti», Bardi Edizioni, regarding: "Atti dei Convegni Lincei 306 - XXXIII giornata dell'ambiente, Novembre 2015";
- Take part in the IUGG election for the appointment of Prof. NASSER MOHAMMED ABOU ASHOUR as new member of the IUGG Finance Committee 2017-2019.

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

The participation of the Italian Delegate in IUGG and of the Italian Delegates in the eight Associations of IUGG is also valued by the work of the CNR-IUGG Commission, of which all Delegates are members (see point 7). Associations also have no membership fees. Annual reports on IUGG Associations' activities should be written -as a rule- by Italian delegates and available at CNR webpage: <https://www.cnr.it/it/organismi-scientifici-internazionali>.

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

Following a 2016 grant application, three events -organized by Italian delegates in IUGG Associations- have received funding during 2017. In detail:

- ✓ IACS: "Past Antarctic Ice Sheet (PAIS) Conference" held in Trieste September 10-16, 2017;
- ✓ IAG: session 'G1.4 High-precision GNSS: methods, open problems and Geoscience applications' during the EGU Assembly in Wien 2017;
- ✓ IAGA: Advanced Course on Complexity and Turbulence in Space Plasmas of 'International School of Space Science, L'Aquila, September 18-23, 2017.

6. Italian experts with important roles within the Union or within related Commissions and Programs

- ✓ Stefania Sparnocchia (ISMAR-CNR) is General Secretary of IAPSO/IUGG;
- ✓ Teodoro Georgiadis (IBIMET CNR) is Member of the IUGG Committee 'Capacity Building and Education';
- ✓ Giuliano Panza (Accademia dei Lincei) is Italian Delegate in the IUGG Council from January 1st, 2015;
- ✓ Roberto Sulpizio (UNIBA) is General Secretary of IAVCEI/IUGG.
- ✓ Silvia Massaro is IAVCEI Member of the 'Commission for Data and Information' (UCDI).
- ✓ Alberto Montanari (IAHS) is neo-elected Vice-President in EGU.

7. If Union with CNR Commission, short summary about the 2017 CNR Commission activities

CNR-IUGG Commission acts as the Italian National Committee of the IUGG and consists, by the Statute of the Union, by the Italian Delegate in IUGG and by the Italian Delegates in the eight IUGG Associations.

Reconstituted by CNR President Decree no. 24/2016 (AMMCNT-CNR no. 0013761, 29/02/2016). Prof. Giuliano Panza and dr. Teodoro Georgiadis are elected President and Scientific Secretary and dr. Cecilia Lalle is the secretary. In 2017, the Commission carried on its activities using circular e-mails to common agree on all planned activities.

CNR-IUGG Commission, with the mandate until the end of 2018, has also the aim of providing addresses and proposals for greater Italian participation in Union activities and providing the necessary support to the CNR on topics Initiatives and activities promoted by IUGG. Among the activities carried out by the Commission in 2017, it is highlighted:

1. the creation of a list of Italian experts of recognized international expertise interested in the IUGG and/or involved in boards, commissions, working groups etc in the Associations related to IUGG and related programs. The result of this work of recognition and analysis of documents, approved during the meeting of the CNR-IUGG Commission on 28th November 2016, lays the foundations for aspects of Capacity Building. To this end, was requested to each expert the validation of their data with an optional brief declaration of intent to be carried out within the IUGG. The construction of a network of Italian experts



with recognized international expertise, allows the increase and enhancement of international collaborations for new partnerships and new project proposals. The first phase of the action ended in September 2017 (period: January - September 2017);

2. written request send to the CNR to further support three events organized by IACS, IAG and IAGA in Italy in 2017 that have obtained sponsorship from the IUGG through its Associations (period: March 2017);
3. discussion among the members of the CNR-IUGG Commission, in circular electronic form, concerning the declaration adopted by the IUGG Bureau on June 12, 2017: "The Earth's climate and responsibility for scientific development". The result of this action was a position letter of the Italian National IUGG Commission sent to the IUGG President prof. Michael Sideris and to the General Secretary prof. Alik Ismail-Zadeh on 28th July 2017. This letter was later published in the IUGG Newlester n. 9 of 1 September 2017 (period: June-July 2017);
4. information published on the CNR website regarding: Keynote lecture 23-24 September 2017 Dhaka, Bangladesh: ICDRM 2017 - International Conference on Disaster Risk Mitigation (<http://buetdrr.com/index.php/icdrm2017/keynote-speaker>) (period: October 2017);
5. information updating regarding CNR-IUGG Commission members for the IUGG Yearbook 2018 (period: November 2017);
6. news published on the CNR website concerning the assignment by the European Geosciences Union of the 'EUG Sergey Soloviev' medal to Giuseppe De Natale (IAVCEI representative and member of the CNR-IUGG Commission) (period: November 2017);
7. communication sent to Members concerning the IUGG centenary for possible national participation in proposals (period: November 2017);
8. communication sent regarding a special programmed issue of the journal Copernicus on the topic "Developments in the Science and History of Tides" for possible works to be submitted (period: December 2017);
9. selection of interesting news from the IUGG Newletters sent to the IUGG national community (period: in 2017).

The strategic importance of these activities is not only for the Associations but also for the activities of the CNR, to which the merit is recognized, through the IUGG representation. Representatives of the Civil Protection Agency also recognize the impulse provided to these developments.

I suggest that around these issues we can open a confrontation, within the IUGG National Commission, or the CNR Department "Terra e Ambiente", harmonizing the ability to provide essential support to Training and Certification of the professional figures in the Earth Sciences.

8. Notes

On behalf of all members of the Commission, I like to evidence the great value of the work done by dr. Cecilia Lalle (CNR-RELINT).

Prof. Cav. Giuliano F. Panza



Trieste, 19 April 2018

