



Accademia Nazionale dei Lincei
Academia Europaea
Third World Academy of Sciences
Russian Academy of Sciences
Accademia Nazionale delle Scienze detta dei XL
Honorary Prof. IG-CEA Beijing
Olim Full Professor – Dipartimento di Matematica e Geoscienze
Università degli Studi di Trieste
Tel.: +39-040-363410
Fax: +39-040-0640852

giulianoofpanza@fastwebnet.it
gfpanza@me.com
gfpanza@icloud.com

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS
UNION GEODESIQUE ET GEOPHYSIQUE INTERNATIONALE (IUGG)
Activities' Report - Year 2016

Prof. Giuliano F. Panza

1. Introduction

IUGG report on 2016 activities can be downloaded from: <http://www.iugg.org/>.

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/>).

IUGG Council, in 2016, adopted for the first time the "Strategic Plan of the Union".

2. Main activities carried on by IUGG during 2016 relevant for Italy and for CNR

In 2016, IUGG endorsed the following events in Italy:

- (IAVCEI) 3rd International Workshop on Volcano Geology, Mt. Etna, Aeolian Islands, Italy, 4-9 July
- (IAPSO) Workshop Arctic Subarctic Ocean Flux Study (ASOF), Lerici, Italy, 30-31 March, dedicated to the challenges associated with observing, modeling, understanding, and predicting these heat exchanges.

3. Activities carried on by the Italian Delegate within the Union during 2016 and impact on the Italian scientific community

Survey of Italian Experts pertinent to the purposes of the Commission stored as a file at the Secretariat of the CNR-IUGG Commission.



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. Associations also have no membership fees.

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

October 15th 2016 was the deadline for submission of grant applications for IUGG symposia, workshops, summer schools, etc. to be held in 2017. The General Secretariats of IUGG Associations assessed the contribution for each sponsored activity and some Italian Representatives in the IUGG Associations have received the funding:

- ✓ IACS: "Past Antarctic Ice Sheet (PAIS) Conference" to be held in Trieste September 10-16, 2017;
- ✓ IAG: session 'G1.4 High-precision GNSS: methods, open problems and Geoscience applications' during the next 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).

7. If Union with CNR Commission, short summary about the 2016 CNR Commission activities

CNR-IUGG Commission is the Italian National Committee of the International Union of Geodesy and Geophysics and consists, by the Statute of the Organization, 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. The Commission had two telco meeting in 2016.

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 2016, it is highlighted:

- ✓ creation of a network of Italian experts of recognized international expertise interested in the IUGG sphere and/or involved in boards, commissions, working groups etc in the IUGG Associations. The goal is to increase and enhance international collaboration for both new partnerships and new project proposals. The definition of this framework, resulting from recognitions and document analysis, is the basis for Capacity Building's aspects;



- ✓ information to the reference community about a call by IUGG to financial support scientific meetings;
- ✓ publication, also via the CNR website for IUGG, about a call for IUGG Grant applications 2019;
- ✓ written request sent to CNR for further support to three events organized in Italy in 2017 that have been sponsored by IUGG through its Associations;
- ✓ written request sent to CNR to support a prize to young researchers for participation at the next IUGG General Assembly in Montreal, Canada (July 8-19, 2019);
- ✓ possibility to activate specific interchange channels such as, i.e., with the CMG-IUGG Commission (Commission on Mathematical Geophysics);
- ✓ Participation to the activity of the Working group Planetary Sciences of the Italian Space Agency (ASI) to enhance international connections in the framework of Earth Observation.

8. Notes

In May 2016 the report “Future of the Ocean and its Seas: a non-governmental scientific perspective on seven marine research issues of G7 interest” has been published (<http://www.icsu.org/news-centre/news/top-news/international-experts-submit-report-on-future-of-the-seas-and-oceans-to-g7-science-and-technology-ministers-meeting-in-japan>).

This report regards the work of a group of international experts formed by IAPSO (IUGG) and SCOR in response to a communication after the "Meeting of the G7 Ministries of Science" (Berlin, 8-9 October 2015).

The report contains recommendations to policy makers to address seven of the issues identified in the G7 communication: Plastic pollution of the marine environment, Deep-sea mining and its ecosystem impacts, Ocean acidification, De-oxygenation, Ocean warming, Biodiversity loss, Marine ecosystem degradation.

Prof. Cav. Giuliano F. Panza



Trieste, 30 September 2017

