

Report on the IAGA-IAMAS-IAPSO Joint Assembly 2017 - Cape Town International Convention Center, 27th August - 1st September 2017

The IAGA-IAMAS-IAPSO Joint Assembly 2017, endorsed by the University of Cape Town and the South African Department of Science and Technology, took place at the Cape Town International Convention Centre (CTICC) between August 27th and September 1st 2017.

The Assembly's theme was "Good Hope for Earth Sciences" and each association has offered a wide spectrum of oral and poster sessions, as well as joint or parallel sessions.

One of the key moments for the IAPSO Program has been represented by the 2017 Prince Albert I Medal award to Prof. Lynne Talley, distinguished professor at Scripps Institution of Oceanography, "for her seminal contributions to our understanding of all ocean basins, including landmark discoveries in the Pacific, Atlantic and Southern Oceans".

The Award ceremony, took place after the IAPSO GBM Meeting on August 31st 2017, during which Prof. Talley will delivered the Albert I Memorial Lecture "A case for sustained observations of the ocean: observing the overturning circulation and its variability".

The IAPSO Program comprised of 6 Symposia:

- **P01 - General topics in oceanography** (4 sessions);
- **P02 - Physics and biogeochemistry of semi-enclosed and shelf seas** (4 sessions);
- **P04 - The Meridional Overturning Circulation: Mean State and Variability** (5 sessions);
- **P05 - Advances in Monitoring, Detecting, Understanding, Hazard Assessment and Forecasting of Mean and Extreme Coastal Sea Level** (1 session);
- **P06 - Western boundary current systems** (5 sessions);
- **P07 - Upwelling systems and ocean economy** (2 sessions).

and 3 Joint Symposia:

- **JP1 - Turbulence, Internal Waves And Mixing On All Scales (IAPSO, IAGA, IAMAS)** (5 sessions);
- **JP2 - Polar Oceanography and Meteorology (IAPSO, IAMAS)** (7 sessions);
- **JP3 - The Second International Indian Ocean Expedition (IIOE-2) and Related Oceanic and Coupled Atmospheric Research In The Indian Ocean (IAPSO, IAMAS)** (6 sessions)

The number of oral presentation given within the above mentioned symposia is 196, while the number of posters equals 102.

Angela Pomaro participated to the Association Meeting as National Delegate Substitute.

Report on the IAPSO General Business Meeting at the IAGA-IAMAS-IAPSO Joint Assembly 2017 (Cape Town 27th August - 1st September 2017), Cape Town International Convention Center, August 31st, 2017

Participants: National Delegates, Executive Committee Members and invited guests

1. Introduction of IAPSO Executive Committee (EC) and National Delegates;
2. Approval of the agenda.
The agenda is approved.
3. Approval of the minutes of the GBM in Prague, Czech Republic, on July 29, 2015.
Available on the IAPSO website, <http://iapso.iugg.org/home-iapso8/business-meetings-agendas-andminutes-artikel.html>
4. General comments about the minutes;
5. Reports on IAPSO activities 2015 and 2016.
Available on the IAPSO website, <http://iapso.iugg.org/home-iapso8/iapso-annual-reports.html>

The Secretary General starts reporting on the principal activities carried out by the Association in 2015, characterized by the participation in the IUGG General Assembly 2015 in Prague, Czech Republic, between June, 22nd and July 2nd, 2015. The meeting was characterized by the central theme: "Earth and Environmental Sciences for Future Generation" and attracted over 4200 participants from 90 countries covering all five inhabited continents. Almost 5400 contributions out of more than 5700 submissions were presented (more than 2200 as posters) in a total of 202 symposia and workshops, divided into 639 sessions. IAPSO contributed to the 26th IUGG General Assembly 2015 by organizing 13 IAPSO only symposia and 11 interdisciplinary symposia. 345 scientists registered as IAPSO participants with 446 oral or poster presentations.

In 2016, a part from the organization of the Joint IAPSO-IAMAS-IAGA Assembly 2017 to be held in Cape-Town, South Africa, between August 27th, and September 1st, 2017, the IUGG Secretary General asked the IAPSO President to instigate an initiative in response to the marine science issues raised by the G7 Science Ministers. The activity resulting report "Future of the Ocean and its Seas: a non-governmental scientific perspective on seven marine research issues of G7 interest", was completed in April 2016 and submitted to the Science Ministers prior to their meeting in Japan, in May 2016.

The Secretary General reports that they are also made available at the IAPSO website and are essentially the reports which are sent to IUGG and SCOR every year.

6. Financial reports 2015 and 2016
The presentation is given by the Treasurer, Dr. Ken Ridgway, who announces that the Swedish account will be used to pay costs for the next Joint Assembly in Cape Town, and

then closed. He informs also that the IAPSO Bureau and the Executive Committee agreed to close also the US account last February.

The Association is waiting for the complete transfer from the US account to the AUD account to quantify the total net balance of IAPSO budget.

7. Budget 2017 – 2018

The presentation is given by the Treasurer, Dr. Ken Ridgway, who comments the positive economic condition and presents the 2017-2018 preliminary budget plan.

8. Report on actions taken by the IAPSO EC and Officers:

The presentation is given by the President, Dr. Denise Smythe-Wright.

a) 2017 Prince Albert I Medal - Lynne Talley (USA).

The President comments that the Association received a good number of good nominations this year, mainly in the field of Physical Oceanography. She recommends the National Delegates to help arising awareness on this Medal opportunity, whose award criteria are listed on the IAPSO website.

The 2017 Prince Albert I Medal is awarded to Prof. Lynne Talley, distinguished professor at Scripps Institution of Oceanography, "for her seminal contributions to our understanding of all ocean basins, including landmark discoveries in the Pacific, Atlantic and Southern Oceans".

The Award ceremony, will take place after the IAPSO GBM Meeting at the IAPSO-IAMAS-IAGA Joint Assembly in Cape Town, during which Prof. Talley will deliver the Albert I Memorial Lecture "A case for sustained observations of the ocean: observing the overturning circulation and its variability".

b) 2015 Eugene LaFond Medal - Sana Ben Ismail (Tunisia), given at the Closing Ceremony of IUGG 2015 in Prague.

The President comments that the Association has already evaluated the 2017 candidates and informs that the winner will be awarded just after Lynne Talley's presentation.

c) Award committee for 2019 Prince Albert I Medal: generation of nominations.

The President invites the National Delegates to suggest their candidates by writing to Dr. Stefania Sparnocchia (IAPSO Secretary General) or to Dr. Trevor McDougall.

d) Award committee for 2017 Eugene LaFond Medal.

The President introduces the award committee for 2017 Eugene LaFond Medal and invites Dr. Eugene Morozov to comment the work done for the candidates evaluation.

This medal shall be awarded to an ocean scientist from a developing country making a presentation (poster or oral) in a IAPSO-sponsored or co-sponsored symposium at the IUGG or IAPSO assemblies.

The 2017 Eugene LaFond Medal is awarded to Dr. Jonathan Durgadoo from Mauritius for his oral presentation "Indian Ocean sources of Agulhas leakage". This presentation was delivered on August 29th, 2017 within the IAPSO-IAMAS joint symposium "The Second International Indian Ocean Expedition (IIOE-2) and related oceanic and coupled Atmospheric research in the Indian Ocean".

e) Changes to the Albert I Medal protocol.

The President reads the proposed version of the Medal protocol changes and asks the National Delegates to express their opinion and vote. The change is approved by all National Delegates.

f) IAPSO Early Career Network.

The President informs the National Delegates about this new initiative, of particularly interest also for the International Union of Geodesy and Geophysics (IUGG), asking for nominations of youngers to follow the IAPSO Executive in starting this activity. The Association envisages the opportunity to involve 2 young people on this work, in order to share ideas and go forward. The nominations shall be communicated to the Secretary General Dr. Stefania Sparnocchia.

9. Status of Commissions, Services, and Working Groups

The presentation is given by the Secretary General, Dr. Stefania Sparnocchia, and by the President, Dr. Denise Smythe-Wright, who present the IAPSO sponsored/co-sponsored Working Groups, Commissions and Services relevant to its prime goal of promoting the study of scientific problems relating to the oceans and the interactions taking places at the sea floor, coastal, and atmospheric boundaries insofar as such research is conducted by the use of mathematics, physics, and chemistry.

10. Reports from affiliated organizations:

The Secretary General, Dr. Stefania Sparnocchia, and Dr. Eugene Morozov (IAPSO Executive member) report on the Intergovernmental Oceanographic Commission (IOC);

The President, Dr. Denise Smythe-Wright reports on the Scientific Committee on Oceanic Research (SCOR);

The IUGG Liaison Officer, Dr. Isabelle Ansorge, reports on the ICSU Regional Office for Africa (ROA).

11. Reports on activities of IUGG. Plans for the IUGG centennial.

The presentation is given by the President, Dr. Denise Smythe-Wright, who encourages the National Delegates to promote the IUGG centennial celebration. She expresses also the Association intention of arranging dedicated sessions within the EGU and AGU Conferences, encouraging the National Delegates to express any eventual suggestion as soon as possible.

12. Report on the IUGG General Assembly in Prague 2015, Attendees, number of symposia and presentations, IAPSO grants.

The presentation is given by the Secretary General, Dr. Stefania Sparnocchia, who reports that the XXVI IUGG General Assembly that took place in Prague in 2015 reached the final number of 4231 registered delegates, including exhibitors, who participated in the assembly. It included 198 symposia and workshops, consisting of 639 oral sessions, involving scientists from 88 countries. During the 9-day assembly, delegates presented nearly 5400 contributions (9 Union Lectures, 476 invited and solicited presentations, 2682 standard oral presentations and 2211 posters).

13. Report on the Joint IAPSO IAMAS IAGA Assembly in Cape Town 2017, Attendees, number of symposia and presentations, IAPSO grants.

The presentation is given by the Secretary General, Dr. Stefania Sparnocchia, who reports that at the date of the IAPSO GBM 2017 1032 delegates are registered, 252 of them as IAPSO delegates, from 32 countries.

14. Report on the plans for the Joint Assembly in 2021.

The presentation is given by the Secretary General, Dr. Stefania Sparnocchia, who anticipates that the next Joint Assembly will probably be arranged in South Korea.

15. Call for any resolutions.

None.

16. Other Business

None.

Cape-Town, August 31st, 2017

Dr. Angela Pomaro

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IAMAS-IAPSO Joint Assembly 2017

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