

# **IAP GENERAL ASSEMBLY**

**Hosted by the Brazilian Academy of Sciences**



Rio de Janeiro, Brazil, Rio Othon Palace Hotel  
**Copacabana Room, 1st Floor**

**Wednesday 27 February 2013**

**Highlights**  
*(DRAFT V.3)*

### **Welcome**

Prof. J. Palis, President of the Brazilian Academy of Sciences (BAS), opened the 7th Session of the IAP General Assembly (GA) by welcoming the delegates to Rio de Janeiro, Brazil. He thanked IAP and the Conference Committee for leading the organization and implementation of the Conference on “*Grand Challenges and Integrated Innovations: Science for Poverty Eradication and Sustainable Development*”, congratulated all those involved on the very successful outcomes of the event, and looked forward to implementing the ensuing recommendations and follow-up activities. In this context, mention was also made of the upcoming 100th Anniversary of BAS in 2016.

### **Introductory Remarks**

On behalf of the IAP Co-Chairs, IAP Co-Chair Prof. M. Hassan, thanked the host Academy for the generous hospitality and for the dedicated support of BAS Staff in the planning and implementation phases of both the Conference and GA.

### **Confirmation of Previous GA Minutes (London 2010) & Any Matters Arising**

The Minutes of the 6th Session of the GA, London, UK, 15 January 2010 (reported in the GA Book as Document *Ref. 02/2013GA\_02*) were unanimously approved, without modifications.

### **Report on Activities (2010-2012)**

Following an introduction by the new IAP Coordinator, Dr. L. Spini, Ms. J. Lacey, IAP Senior Project Assistant, gave a presentation providing an overview of the 2010-2012 activities undertaken by the Secretariat hosted by TWAS in Trieste, Italy. Reference was made to the detailed report provided in the GA Book as Document *Ref. 02/2013GA\_03*. A number of achievements were illustrated, including:

- IAP membership has reached 106, following applications reviewed by the Membership Committee;
- A large proportion of activities of IAP are now being channeled through the Affiliated Regional Networks;
- IAP Funds have also been allocated to projects following the Annual Call for proposals and meetings hosted by Member Academies;
- There have been a number of publications resulting from such activities, showcased on the IAP website;
- Further improvement and development has been made to the website, including the IAP Conference pages.

In concluding the presentation, Ms. Lacey noted that further efforts need to be made to engage non-active science academies in IAP opportunities, including academies not represented at the GA.

The IAP Co-Chair, Prof. H. Alper, in thanking the Secretariat for the report, confirmed that the last three years have seen the growth of IAP, in particular through the decentralization of activities to the IAP Affiliated Regional Networks, the establishment of the Global Young Academy (GYA), the Development Advisory Committee (DAC) and the linkages with the World Economic Forum (WEF) through the organization of the IAP Young Scientists (YS) Conferences, which all broaden the horizons of IAP. This was also the opportunity for clarifications on specific activities including the representation of Young Scientists (YS) from Least Developed Countries in the YS Conferences.

### **Financial Report (2010-2012)**

Dr. L. Spini, IAP Coordinator, delivered a presentation on the Financial Report by first highlighting the main trends in the triennium (as per Document *Ref. 02/2013GA\_02* in the GA

Book), e.g., decentralization processes, increased funds dedicated to YS/GYA activities, and decreased carry-over, and then by presenting the 2013 budget in order to give an overview of the current situation. Dr. L. Spini also made reference to the establishment of the IAP Reserve Fund, and acknowledged the contribution by the Government of Italy, as well as the in-kind contributions by the host academy and academies worldwide.

This was also an opportunity to inform the GA of the establishment of the Finance Committee (FC) agreed by the EC at its last Meeting hosted by Akademi Sains Malaysia (ASM) in Kuala Lumpur, Malaysia, on 15-16 October 2012. In this context, the FC Chair, Prof. A. Tajuddin Ali, ASM President, was invited to present the Committee and its functions. He reported that the Committee – comprising of Prof. A. Holmes (Australian Academy of Science) and Prof. A. Sgamellotti (Accademia Nazionale dei Lincei) – was established with the objective to assist the EC in budgetary/financial matters. Reference was made to the FC Terms of Reference, and the FC recommendations made to the finalization of the 2013 budget, then endorsed by the EC.

### **Main recommendations emerging from the IAP 2013 Conference**

The IAP 2013 Conference Committee Co-Chairs, Prof. M. Barcinski and Dr. P. Singer, were invited to highlight the main outcomes of the IAP Conference.

Dr. Singer referred to the discussions which had taken place during the Conference Closing Plenary chaired by Prof. R. Arnon. In particular, he summarized three main follow-up actions which the IAP GA could consider to take forward, namely: (i) formulating one common grand challenge, for instance on the issue of “science literacy”, and exploring ways and means of engaging IAP in tackling the challenge; (ii) reaching out to Young Scientists, also by fostering the proposal by the GYA towards the development of a joint IAP/GYA/TWAS online “market place”; and (iii) widely disseminating the “Letter from Rio-2013”. The other Co-Chair, Prof. M. Barcinski recalled that the Conference had engaged IAP Members from the outset, following a call for nominations of speakers from the membership, and membership feedback via the IAP Survey also presented during the panel chaired by Dr. J. Boufford, IAMP Co-Chair. He also highlighted the importance of linking with the UN post-2015 process (also by contacting the UN Secretary-General), as well as of engaging with specialized academies (e.g., academies of engineering) and with the private sector.

In the ensuing discussion, a number of academies supported the idea that “science literacy” was the common grand challenge that IAP could address, also through linkages to IAP activities on science education and the IAP Global Science Education Programme, and potential engagement of the private sector. Furthermore, ways for IAP Members to work towards increasing participation in the UN post-2015 process were discussed, also within the framework of the dissemination of the “Letter from Rio-2013”. In this context, Dr. J. Boright (US NAS) informed the GA of the meeting to be hosted by US NAS on 11 April 2013 with Grand Challenges and USAID where the opportunity to take up some of the outcomes of the IAP Conference could arise. Dr. P. Singer underlined that such Committee is not globally represented and IAP involvement could address this.

Moreover, reference was made to the Keynote Address delivered by the Brazilian Minister for Science Technology and Innovation, Hon. Marco Antonio Raupp, during the opening ceremony of the Conference, and the suggestion to set up a committee of scientists to follow up on the Conference theme. Prof. J. Palis confirmed that the Brazilian Academy of Sciences will propose to the new EC the establishment of an *ad hoc* committee to discuss how academies can contribute to poverty eradication and sustainable development. In this context, the importance of addressing the role of S&T in the Millennium Development Goals (MDGs) in a prompt and timely manner was also underlined.

In conclusion, the following ensuing activities were endorsed: (i) to finalize and widely distribute the “Letter from Rio-2013”, also within the context of the MDGs/post-2015 agenda;

(ii) to proceed with the establishment of the “market-place”, as per GYA proposal, with a trial run of one year duration; (iii) to develop an IAP grand challenge on the issue of “science literacy”; (iv) to mandate the new EC to explore the establishment of an *ad hoc* committee on the role of academies in poverty eradication and sustainable development; and (v) to further engage the private sector in IAP activities.

### **Report on Membership and Acceptance of New Members**

Prof. D. Mashnu Salunke, Vice President, Indian National Science Academy (INSA), representing the Chair of the Membership Committee (MC), reported (as per Document *Ref. 02/2013GA\_05* in the GA Book) on two new Members: the Academia Nacional de Ciencias de la República Oriental del Uruguay and the Ethiopian Academy of Sciences (EAS). The GA unanimously agreed to proceed and confirmed membership for these two Academies. In addition observer status was unanimously confirmed for both the Global Young Academy (GYA) and the Euro-Mediterranean Academic Network (EMAN).

Mention was also made of the MC work with the IAP Secretariat in encouraging applications from other national academies of sciences, including the Academia Nacional de Ciencias, Costa Rica, and the Azerbaijan National Academy of Sciences (ANAS). It was also noted that a new application had been submitted by the World Academy of Art and Science (WAAS) in February 2013 and that this was now under review by the EC. The situation concerning the structure and re-organization of the Turkish Academy of Sciences (TÜBA) was noted and the GA was informed that the MC will continue to monitor related developments.

### **Links with Young Scientists & Global Young Academy (GYA)**

Prof. H. Alper introduced the agenda item stating that the GYA was one of the most important legacies emerging from the IAP Young Scientists Conferences. He also referred to the involvement of the GYA in the nomination and selection process for the next edition of the IAP Young Scientists Conference at the Annual Meeting of the New Champions (September 2013), and the need to set ground rules with the World Economic Forum (WEF) for the selection process in 2013.

Current and former GYA Co-Chairs, Prof. B. Slippers and Prof. G. Weiss presented an overview of the main activities and achievements by the GYA, over the last three years, including:

- GYA has been granted observer status within IAP in 2012; and the IAP Co-Chairs serve on the GYA Scientific Board;
- GYA interacts regularly with IAP, through young scientists engagement in IAP Statement Drafting Committees; Conference Committee and Conferences/Workshops (e.g., speakers at the IAP 2013 Conference, and as facilitators/speakers at the IAP/AAAS/TWAS joint Initiative “A Global Movement in Support of Inquiry-based Science Education” held in conjunction with the Annual Meeting of the American Association for the Advancement of Science (AAAS), Vancouver, Canada, February 2012);
- GYA General Assembly took place in South Africa in 2012 with strong support from the Government of South Africa and IAP, and number of outreach activities were undertaken in local schools;
- A GYA flagship project “GLOSYS” has been launched, towards assessing the global state of young scientists;
- By 2013 there were 20 National Young Academies (NYAs) around the world, supported by GYA.

In this context, the GA was also informed of the nomination process for new GYA members, with a deadline of 29 September 2013. Following the presentation, delegates highlighted and reported on YS activities by referring also to national initiatives:

- Chile: Group of young scientists in Chile “Frontiers in Science”;
- Malaysia: “Associates of Academies” Young Scientists network;
- Brazil: Young Affiliates programme promoted by the Brazilian Academy of Sciences;
- Pakistan: Young Associate Members programme of the Pakistan Academy of Sciences.

In concluding this agenda item, Prof. M. Hassan noted the importance for IAP Members to recognize, and engage with, the NYAs at the national level.

### **Development Advisory Committee (DAC) and Fundraising**

In the introduction to the fundraising campaign, Prof. H. Alper underlined that IAP can carry on as per *status quo*, or expand and take on new opportunities and become a more influential organization. He invited Prof. R. Dijkgraaf, who had also participated in the recent DAC Meeting in Sao Paulo, Brazil, on 23 February 2013 to provide an overview of the establishment of the DAC and related developments over the last 3 years. Prof. R. Dijkgraaf noted the need for professional facilitation in taking the fundraising strategy for IAP/IAC to the next level, and thanked US NAS for providing financial support to initiate the planning phase of the fundraising campaign through the hiring of Genovese Vanderhoof & Associates (GVA).

The GA was informed of the proposal for a global IAP/IAC fundraising campaign developed by GVA, as per Mr. D. Vanderhoof’s presentation which highlighted the following issues:

- The need to simplify the interacademy structure (and related acronyms) and thus to bring the IAP/IAC together as “one entity” (e.g., “Global Network of Scientific Academies”) in order to maximize fundraising potential;
- The need for IAP/IAC to identify three primary institutional goals (with measurable objectives);
- The fundraising goal would be to obtain \$5M p.a. by 2016 and \$10M p.a. by 2019 (with the capability to embark on raising \$100-\$200M for Endowment by 2023);
- The fundraising campaign should be based on a balanced multi-source revenue model including four sources of funds, namely (i) membership contributions; (ii) member government subsidy; (iii) contributed funds (Foundations, Corporations, Individual); and (iv) UN funding for studies/service;
- The fundraising process should include three main phases: (i) identifying prospects; (ii) identifying calls for partners; and (iii) soliciting, closing and stewarding. Relevant fundraising calls resources were also highlighted;
- The need to recognize participating philanthropists as “Honorary Fellows” and/or through initiatives such as an “Academy” Awards dinner at annual conference;
- The importance of dedicating financial resources to the development/fundraising campaign, as well as of identifying human resources to administer fundraising activities (fundraising resources should include at least 4.1 full time staff).

In the ensuing discussion, Prof. V. ter Meulen noted that there is a need to identify a sponsor or foundation to take forward this initiative. Mr. D. Vanderhoof added that it would be relatively easy to identify a philanthropist to provide start-up funds; however he underlined the importance of members’ contributions also to show commitment. In concluding, it was noted that IAP currently has 2.5 staff members, and volunteer staff time and resources should also be provided by the IAP Members and Observers (e.g., GYA).

At the end of this agenda item, Prof. M. Hassan took the opportunity to thank Co-Chair Prof. H. Alper for six years of remarkable leadership and contributions to the growth of IAP, in

particular his input and support to the GYA, the IAP Young Scientists Programme and the DAC. In his remarks, Prof. M. Hassan also referred to an article by Prof. Alper: “*We need to celebrate our scientists and researchers*” - an article which addresses the situation in Canada, but which can also represent a global situation. Prof. H. Alper was presented with a parchment signed by the EC (2010-2012) as a token of recognition.

### **Presentations by IAP Affiliated Networks**

The representatives of the Networks were invited to highlight any additional items not already reported during the Conference Session on “Science Academies Working together to Tackle the Grand Challenge of Poverty Eradication and Sustainable Development” moderated by Prof. R. Arnon. It was also noted that detailed reports were provided in the GA Book.

#### ***Association of Academies of Sciences in Asia – AASA (<http://www.aasa-net.org/>) now Association of Academies and Societies of Sciences in Asia ([www.aassa.asia](http://www.aassa.asia))***

It was reported that AASSA-The Association of Academies and Societies of Sciences in Asia was launched on 1 January 2012, as a consequence of the merger of AASA and FASAS (The Federation of Asian Scientific Academies and Societies).

#### ***European Academies’ Science Advisory Council - EASAC ([www.easac.org](http://www.easac.org))***

Dr. C. Diehl, Executive Director, highlighted EASAC’s work in Biosciences, Energy and Environment, also recalling a number of EASAC publications have had an impact in science journals, such as *The Lancet*. Among the recent initiatives, she reported on the joint EASAC/NASAC Workshop on Science Policy Dialogue; and informed that EASAC also produces lay summaries of its statements and reports for the benefit of policy makers and the wider public.

#### ***InterAmerican Network of Academies of Sciences - IANAS ([www.ianas.org](http://www.ianas.org))***

Dr. M. Clegg, Co-Chair, highlighted IANAS’s work on energy elaborating on the recommendations of the IAC Study on Energy “Lighting the Way – Toward a Sustainable Energy Future”. He reported on the various projects in science education including the creation of a science education portal for teachers working with IBSE (Inquiry-Based Science Education), referred to as “Indagala” (see <http://www.indagala.org/en>). He also informed the GA that the IANAS Conference on “Climate Change and Disasters” and GA will take place in Punta Cana, Dominican Republic, 16-19 July 2013.

#### ***Network of African Science Academies - NASAC (<http://nasaonline.org/>)***

Prof. R. Crewe, President, informed on NASAC’s recent registration as Non-Governmental Organization (NGO) in Kenya, enabling NASAC recognition as a legal entity. He noted that IAP funding has been significant in allowing inter-academy activities, also with other networks, such as EASAC.

#### ***InterAcademy Council - IAC – (<http://www.interacademycouncil.net/>)***

Prof. R. Dijkgraaf, Co-Chair, underlined the need to re-organize the IAP/IAMP/IAC interface under one umbrella which will facilitate the fundraising campaign. In this context, he also recalled the first joint IAP/IAC Policy Report on “Responsible Conduct in the Global Research Enterprise” (see <http://www.interacademies.net/10878/19787.aspx>), and informed the GA that plans are underway for the second phase of this activity – a phase which will address the recommendations emerging from the Report. Furthermore, opportunities given by the preparation of the IPCC Assessment Report No. 5 (IPCC/AR5) were also underlined as

follow-up to the IAC review of the IPCC. Prof. R. Dijkgraaf also noted that the IAC Board will meet in Amsterdam, The Netherlands, in June 2013, also to elect new Board Members.

***InterAcademy Medical Panel - IAMP ([www.iamp-online.org](http://www.iamp-online.org))***

Dr. O. Odunbanjo, Executive Secretary of the Nigerian Academy of Sciences - an IAMP EC Member Academy - delivered a presentation on behalf of Dr. J. Boufford, IAMP Co-Chair, by recalling the IAMP structure and highlighting some IAMP achievements, including the IAMP Young Physician Leadership Programme held in conjunction with the World Health Summit. Reference was made here to the preparatory work of the IAMP 2013 Scientific Meeting and GA which will be hosted by ASSAf (Academy of Science of South Africa) in August 2013. Delegates were invited to visit the new IAMP website – launched on World AIDS Day 2012 – for further information and updates on activities.

In the ensuing discussion, Prof. K. Khan, representing the Pakistan Academy of Sciences, host of the Secretariat of the Network of Academies of Science in OIC Countries (NASIC) took the opportunity to request affiliated network status also for NASIC. Prof. M. Hassan informed that there has been a change in process and each region has only one affiliated regional network; it was however highlighted that NASIC can apply for IAP funds/support during the IAP Annual Call for Proposals, and it was noted that the new EC would look into this request. Furthermore, the representative of the Ethiopian Academy of Sciences, Prof. B. Zewde, highlighted the instrumental role of NASAC in the establishment of science academies in Africa. In concluding this agenda item, the IAP Co-Chair, Prof. M. Hassan, commended the work of the Networks and underlined the importance of strengthening inter-regional collaboration across the affiliated networks.

**Actions Taken to Implement the IAP Strategic Programme II (SP-II)**

The IAP Coordinator, Dr. L. Spini provided a summary of IAP's achievements under SP-II, by recalling the objectives of SP-II adopted in London, UK, in January 2010, and by reporting some key achievements in “global science advice” “capacity building”, “science education”, “science communication”, and “international science cooperation”. Furthermore, reference was also made to the strengthening of operations in the last triennium, through e.g., the strengthening of the IAP Secretariat, the decentralization of activities at the regional level, the engagement of YS, and the establishment of the Development Advisory Committee (DAC) and Finance Committee (FC). The presentation, in view of the discussion of the new Strategic Plan, also drew attention to the following pending actions from SP-II:

- “... IAP will seek to increase the number of Statements that emanate from special projects involving interested member academies and that are accompanied by an underlying Advisory Report”. (ref. 13/SP-II)
- “IAP stands ready to initiate discussion with IAC and IAMP on initiating a process to merge the three organizations into a single body....”. (ref. 18/SP-II)
- “...IAP will organize an external, independent review of its operating procedures to determine what changes, if any, need to be made”. (ref. 20/SP-II)

In concluding her presentation, Dr. L. Spini acknowledged all those who have contributed to the achievements of SP-II and in particular to all the IAP Member Academies and Observers, the Government of Italy, the Host Academy of the IAP Secretariat, TWAS-The Academy of Sciences for the Developing World, the EC Members for 2010-2012, all the IAP Committees including the Development Advisory Committee, all the IAP Affiliated Networks and their Secretariats, the Young Scientists, the IAP/IAMP Secretariat Staff, the Host Academy

for the IAP 2013 Conference and GA; special thanks were here conveyed to the IAP Co-Chairs for 2010-2012, Prof. Alper and Prof. Hassan, for guidance and leadership.

### **Presentation and Approval of IAP Strategic Plan III (SP- III) 2013-2015**

Dr. T. Elliott, on behalf of the Programmes and Strategic Planning Committee (PSPC), presented the process related to the formulation of the SP-III and referred to the latest draft circulated to the GA (V. 4), following input from IAP EC Members, and review and feedback from the broader IAP membership. She underlined the main principles of the SP-III, namely: positioning and building on SP-II; drawing on good practice and lessons learned; picking up on actions/objectives not yet achieved under SP-II but still important; and looking to international policy frameworks over the next three years. In recalling the IAP mission, Dr. T. Elliott provided an overview of the IAP six strategic priorities under SP-III:

- I. *Positioning of IAP and IAP member academies as recognized and independent provider of high quality global science advice*
- II. *Championing science education*
- III. *Promoting accurate and effective science communication*
- IV. *Strengthening existing academies and establishing new ones*
- V. *Strengthening IAP operations and fund-raising strategy*
- VI. *Strengthening partnerships with other organizations*

In this context, it was highlighted that IAP should make every effort to address the following challenges: to raise visibility of the academies; to be more agile and responsive; to implement monitoring and evaluation processes to measure the impact of activities; and to revisit, when appropriate, its past reports/statements. Dr. T. Elliott also called for the importance of developing an actions-oriented implementation plan and an “activist agenda”, also taking into account current/upcoming international opportunities such as the development of the post-2015 agenda, the UN International Conference on Population and Development 2014, the UN Hyogo Framework for Action, the IPCC/AR-5, and the ICSU Future Earth Initiative.

Delegates were invited to comment on the draft document for SP-III; comments were made on some wording, especially related to science education. The SP-III was approved, with minor editorial changes. In conclusion, Prof. M. Hassan noted that the document will also be translated into a business plan in the near future and thanked delegates for their inputs to this process.

### **Informal lunch presentation on “proposal writing”**

Prof. M. Poliakoff, PSPC Chair, was invited on behalf of the PSPC to illustrate a proposal towards organizing a workshop and/or manual/tool on proposal writing, as follow-up to EC discussions on furthering the capacity of academies in developing project proposals within the IAP Annual Call for Proposals.

A number of academies supported the idea, including the Nepal Academy of Science and Technology which also highlighted the importance of convening a workshop. It was agreed that as a first step, The Royal Society, with other IAP Members’ contributions, will draft a common position paper which can also be translated into other languages.

### **Approval of revised Statutes and Rules of Procedures**

Prof. M. Hassan introduced the agenda item by informing delegates that the EC had reviewed, discussed and approved the revised IAP Statutes and Rules of Procedure. The broader IAP Membership had also been invited to review and comment on the document by email prior to the GA and about 20 Academies had provided input. The final version was now presented to the GA for approval (as per Document Ref.02/2013GA\_09 in GA Book, with minor



modification on page 66, within Art.4.2). He noted that main changes in the Statutes appeared in Articles II, III, IV, V, VI and VIII, and that in the Rules of Procedure, a new text on conflict of interest (Article III) and clarifications on the Statement process (Article V) had been added. In the ensuing discussion a few editorial comments were noted. On the basis of the above, the IAP Statutes and Rules of Procedure were unanimously approved taking into account minor edits to the document.

### **Elections**

Prof. A. Tajuddin Ali, Chair of the Nominations and Election Committee (NEC), introduced NEC Members, Prof. M. Poliakoff and Prof. M. Al Sherbiny, representing Academies which had completed a second term on the EC. He noted that the elections would follow the procedures in the Statutes and Rules of Procedure adopted by the GA in the previous agenda item, and the number of votes obtained would be announced and recorded by the Secretariat. 55 IAP Member Academies were confirmed as eligible to vote. Ballot papers were distributed accordingly and the elections took place. The following results were announced in plenary:

#### ***Co-Chairs:***

- **Co-Chair (developing country):** Prof. Mohamed Hassan (African Academy of Sciences, AAS);
- **Co-Chair (industrialized country):** Prof. Volker ter Meulen (Deutsche Akademie der Naturforscher Leopoldina).

#### ***Executive Committee:***

- **Executive Committee (developing countries):**  
Brazilian Academy of Sciences (BAS)  
Chinese Academy of Sciences (CAS)  
Cuban Academy of Sciences  
Indian National Science Academy (INSA)  
Mexican Academy of Sciences  
Academy of Science of South Africa (ASSAf)
- **Executive Committee (industrialized countries):**  
RSC: The Academies of Arts, Humanities and Sciences of Canada  
Academie des Sciences, France  
Accademia Nazionale dei Lincei, Italy  
Science Council of Japan (SCJ)  
US National Academy of Sciences (US NAS)

### **Any Other Business and Conclusions**

The IAP Co-Chairs, Prof. M. Hassan and Prof. V. ter Meulen, thanked the GA for their support and renewed their commitment to IAP. Congratulating the new EC, Prof. A. Holmes informed the GA that the Australian Academy of Science (AAS) will be hosting the meeting of the newly elected EC in Canberra, Australia, from 31 October to 1 November 2013. The Meeting will also include outreach activities such as the Prime Ministers Prize Winners Ceremony, and a visit to primary schools in the area to experience the implementation of the “Primary Connections” education scheme. In this context the AAS was thanked for the generous offer.

Prof. M. Hassan warmly thanked the delegates for their active participation in the discussions and looked forward to implementing next steps and action items with the new Co-Chair and EC. He congratulated the Staff who made the Conference and General Assembly a success, including Dr. M. Cortesao and his team at BAS; Prof. R. Murenzi, TWAS Executive Director, and the Staff from the TWAS-hosted IAP Secretariat. Prof. J. Palis closed the meeting by thanking delegates for substantive contributions, the Staff at BAS, Prof. M. Barcinski, and the IAP Co-Chairs for all the hard work. In his final remarks, he noted that IAP

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can look forward to building new avenues to further its responsibilities for the well being of society and for social and economic development.

Annex I – List of Participants

Annex II – List of Acronyms and Abbreviations

**IAP MEMBER ACADEMIES**

1. African Academy of Sciences (AAS): Prof. Romain Murenzi
2. Academia Nacional de Ciencias Exactas Fisicas y Naturales de la Republica Argentina: Dr. Roberto L. O. Cignoli
3. Australian Academy of Science: Prof. Andrew Holmes
4. The Royal Academies for Science and the Arts of Belgium: Prof. Hendrik Van Brussel
5. Brazilian Academy of Sciences: Prof. Jacob Palis
6. The Royal Society of Canada: Prof. Jeremy McNeil
7. The Caribbean Academy of Sciences: Dr. Trevor Alleyne
8. Chilean Academy of Sciences: Prof. Juan A. Asenjo
9. Chinese Academy of Sciences: Prof. Jinghai Li
10. Academia Sinica: Prof. Shie Ming Peng
11. Colombian Academy of Exact Physical & Natural Sciences: Prof. Xavier Caicedo
12. Cuban Academy of Sciences: Prof. Ismael Clark Arxer
13. Academia de Ciencias de la Repœblica Dominicana: Prof. Claudio Bifano (rep. Lic. M. Mejia)
14. Academy of Scientific Research and Technology Egypt: Prof. Maged Al-Sherbiny
15. Ethiopian Academy of Sciences: Prof. Bahru Zewde
16. Council of Finnish Academies: Chancellor Krista Varantola
17. Academie des Sciences France: Prof. Daniel Ricquier
18. German National Academy of Sciences: Leopoldina Prof. Dr. Joerg Hacker
19. Union of German Academies of Sciences and Humanities: Prof. Dr. Alfred Puhler
20. Ghana Academy of Arts and Sciences: Prof. Ralph Mills Tettey
21. The Academy of Athens: Prof. Loucas Christophorou
22. Academia de Ciencias Medicas Fisicas y Naturales de Guatemala: Dr. Maria del Carmen Samayoa Grajeda
23. Indian National Science Academy: Prof. Narinder Kumar Gupta
24. Academy of Sciences of the Islamic Republic of Iran: Prof. Hassan Zohoor
25. Israel Academy of Sciences and Humanities: Prof. Ruth Arnon
26. Accademia Nazionale dei Lincei Italy: Prof. Antonio Sgamellotti
27. TWAS - The Academy of Sciences for the Developing World: Prof. Romain Murenzi
28. Science Council of Japan: Prof. Takashi Onishi
29. Korean Academy of Science and Technology (KAST): Prof. Sung Hyun Park
30. The National Academy of Sciences Republic of Korea: Prof. Byung-joon Ahn
31. Akademi Sains Malaysia: Tan Sri Dr. Ahmad Tajuddin Ali
32. Mauritius Academy of Science and Technology: Dr. Yousuf Maudarbocus
33. Academia Mexicana de Ciencias: Dr. Jose Franco
34. Mongolian Academy of Sciences: Prof. Fumiko Kasuga (rep. D. Regdel)
35. Montenegrin Academy of Sciences and Arts Academician: Dr. Dragan K. Vukcevic
36. Academy of Science of Mozambique: Prof. Orlando Quilambo
37. Nepal Academy of Science and Technology: Prof. Surendra Raj Kafle
38. The Royal Netherlands Academy of Arts and Sciences (KNAW): Prof. Robbert Dijkgraaf
39. Nicaraguan Academy of Sciences: Prof. Jorge Huete-Perez
40. Nigerian Academy of Science: Prof. Oyewusi Ibidapo-Obe
41. Pakistan Academy of Sciences: Prof. Khalid Mahmood Khan
42. Academia Nacional de Ciencias del Peru: Dr. Gustavo F. Gonzales-Rengifo
43. Academy of Science of South Africa: Prof. Daya Reddy
44. Real Academia de Ciencias Exactas Fisicas y Naturales: Prof. M. Ramon Llamas
45. National Academy of Sciences Sri Lanka: Dr. Locarna Gunaratna

46. Sudanese National Academy of Sciences: Prof. Muntaser Ibrahim
47. Tanzania Academy of Sciences: Prof. Esther Mwaikambo
48. Turkish Academy of Sciences: Prof. Ahmet Cevat Acar
49. The Uganda National Academy of Sciences: Prof. Paul Edward Mugambi
50. National Academy of Sciences of Ukraine: Acad. Ella Libanova
51. The Royal Society UK: Prof. Martyn Poliakoff
52. US National Academy of Sciences: Dr. Michael Clegg
53. National Academy of Sciences of Uruguay: Dr. Rodolfo Gambini
54. Academia de Ciencias Fisicas Matematicas y Naturales de Venezuela: Dr. Claudio Bifano
55. Zimbabwe Academy of Sciences: Prof. Christopher Mutambirwa

**IAP Co-Chairs** Prof. Mohamed Hassan and Prof. Howard Alper

**IAP Secretariat** Dr. Lucilla Spini, Ms. Joanna Lacey

## **OBSERVERS**

Association of Academies and Societies of Sciences in Asia (AASSA): Prof. Won Hoon Park, Ms. Jung Ah Choi  
 European Academies' Science Advisory Council (EASAC): Dr. Christiane Diehl  
 Global Young Academy (GYA): Prof. Bernard Slippers, Prof. Gregory Weiss  
 InterAmerican Network of Academies of Sciences (IANAS): Dr. Mike Clegg  
 InterAcademy Medical Panel (IAMP): Dr. Jo Ivey Boufford  
 InterAcademy Council (IAC): Prof. Robbert Dijkgraaf, Dr. John Campbell  
 International Council for Science (ICSU): Prof. Gordon McBean, Prof. Sergio Jorge Pastrana  
 Network of African Science Academies (NASAC): Prof. Robin Crewe

## **DELEGATIONS AND GUESTS**

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## LIST OF ACRONYMS

ASM	Akademi Sains Malaysia
DAC	Development Advisory Committee
EC	Executive Committee
ED	Executive Director
FAPESP	Fundação de Amparo à Pesquisa do Estado de São Paulo
FC	Finance Committee
GA	General Assembly
IAP	The global network of science academies
MC	Membership Committee
NEC	Nominations and Elections Committee
PCC	Publications and Communication Committee
PSPC	Programmes and Strategic Planning Committee
SPIII	Strategic Plan III (2013-2015)
TWAS	The academy of sciences for the developing world
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNESCO/LA	UNESCO Legal Adviser
US-NAS	US National Academy of Sciences
WAAS	World Academy of Art and Science