

## IAA COMMISSION VI

Meeting 23 March 2015  
6, rue Galilée, Paris 75766 FRANCE

### MINUTES

1. Attendees were welcomed by Giangrande Barresi, Chair of Commission VI:

- Giangrande Barresi
- Ulrike M. Bohlmann
- Richard Clar
- Vincent Boles
- Bernard Foing
- Otfried Liepack
- Philippe Jung
- Geoffrey Languedoc

The minutes were recorded by Geoff with additional input to be provided by Bernard.

**ACTION:** Geoff and Bernard to provide draft Minutes for review by participants.

2. The Agenda was adopted as distributed by the IAA Secretariat prior to the meeting (attached).
3. The Minutes of the Commission VI (COM VI) meeting held in Toronto on 27 September 2014 (attached) during IAC 2014 were adopted with the following amendments to the List of Participants:
  - spelling of Philippe Jung needs to be corrected
  - spelling of 'National Rocket Safety Registry' needs to be corrected
4. IAA Cosmic Studies
  - SG 6.15 Bernard reported that this SG is advancing quickly. Many images will be included from multinational and multicultural sources, works of artists who have been inspired by space. The SG will address a fundamental question: have such images had a meaningful, discernable impact on the general public?
  - SG 6.16 L. Regel is shown as co-Chair. This needs to be verified with Ms Regel.  
**ACTION:** Philippe will confirm.
  - SG 6.17 requires updating. The SG will be co-Chaired by reps from IAA and IAF (see Meeting Minutes/Commission VI/Sept 27,2014)
5. IAA Conferences

Meeting participants were canvassed about the role of COM VI members in the listed conferences. While there was some speculation regarding attendance of certain COM VI members in these events, none was confirmed.

Academy Day at IAC 2015 was not included in the list, but several participants indicated they planned to attend.

6. Publications

Philippe advised that the History Committee always proposes two papers for publication out of each IAC History Symposium. The History Committee also publishes the full Proceedings of each IAC History Symposium in collaboration with the American Astronomical Society and publisher Univeldt, and Philippe provided this update:

- 2012 IAC History Symposium – now in print
- 2013 IAC History Symposium –in print fall 2015
- 2014 IAC History Symposium –in print 2016

7. Contribution of COM VI to Heads of Agencies Summit September 2015, Mexico

There was some speculation regarding what is expected in the way of Commission participation.

**ACTION:** Giangrande to clarify this with the IAA Secretariat.

8. Other Business

There was a considerable amount of discussion regarding membership in COM VI including how it is determined and how the Executive is established. The attached excerpt (see below) from the IAA Statutes was referenced during the meeting.

The following observations were made:

- The list of COM VI members for 2013-15 currently on the IAA web site (see below; list for 2015-17 added subsequently) contains only 10 individuals while the form accommodates up to 15. This list omits the names of Bernard Foing and Philippe Jung, believed to be an oversight.

**ACTION:** Giangrande to request the IAA Secretariat to update the 2013-15 list with these names.

**ACTION:** Giangrande to find out whether the number of ex-officio members of Commissions is limited to five.

- The previous meeting held during IAC 2014 was attended by only one member (COM VI Chair Y.J. Chong) and only five members have attended the present meeting. Clearly attendance at the Paris spring meetings at IAA HQ and the IAC location in the fall is problematic for COM VI members. It should be noted that a significant proportion of COM VI members (current and prospective) are not supported by corporate travel and living expense funding.

**RECOMMENDATION:** Commission meetings be equipped with an internet connection and a remote meeting participation tool (Skype, GoToMeeting etc) with at least one enabled computer and connection so as to facilitate participation by persons not able to attend in person.

**RECOMMENDATION:** IAA Secretariat should send to all members of the Academy, information about the mechanics of Commission membership.

**ACTION:** Giangrande to follow-up with the Actions and Recommendations herein and advise Commission VI members of the outcome.

**COMPLETION DATE for all ACTIONS: June 30 2015**

**Excerpt from:**

**Statutes of the International Academy of Astronautics**

**As adopted on 11 October 1983 and amended on 1 March 1987, 27 September 1998 and 26 September 2010**

**Section VII: ACADEMY COMMISSIONS, TASK FORCES AND STUDY GROUPS**

7.1 In order to provide opportunities for initiation of focused activities, to facilitate and observe such activities, enable the exchange of ideas and information among interested members of the Academy and recommend appropriate measures relating to the establishment and activities of Program Committees and Study Groups to the Board of Trustees, six Academy Commissions shall be established, namely: Commission I on Space Physical Sciences; Commission II on Space Life Sciences; Commission III on Space Technology and System Development; Commission IV on Space Systems, Operations and Utilization; Commission V on Space Policy, Law and Economics; Commission VI on Space and Society. The initial general scopes of responsibility of each of the Academy Commissions are shown for information in Appendix 1 of these Bylaws. The scopes may be amended by majority Board decisions in the future.

7.2 **The officers of each Academy Commission shall be a Chairperson, a Vice Chairperson and a Secretary. They shall be appointed by the President** upon recommendation of the Vice President for Scientific Activities for a term of two years. The Vice Chairperson shall succeed the Chairperson at the expiration of his term of office. **Each Academy Commission shall be composed of members appointed by the President** upon the recommendation of the Vice President for Scientific Activities. **The Chairpersons of the relevant Program Committees and Study Groups shall serve as ex-officio members of the respective Academy Commissions.** The Chairperson and Vice-Chairpersons of the Academy Commissions shall be selected from among the Members of the Academy, the Secretary and other members of the Commissions may be either Members or Corresponding Members of the Academy.

7.3 Academy Commissions may establish ad hoc Advisory Groups to help in reviewing selected study topics.

7.4 Upon recommendation of the Vice President for Scientific Activities, the respective Chairperson of an Academy Commission or petition of at least 15 Members and/or Corresponding Members, the Board shall be empowered to establish appropriate Program Committees and Study Groups. Members and/or Corresponding Members wishing to organize a Program Committee or a Study Group shall submit their proposal to an Academy Commission with the most appropriate scope. Such proposal shall include the terms of reference of the body concerned, the length of time needed for completion of its task, proposed membership, secondary interest in another Academy Commission, if any, and other useful information. If endorsed by the respective Academy Commissions, the proposal shall be transmitted to the Scientific Activities Committee for its approval. The Vice President for Scientific Activities shall inform the Board of Trustees of the establishment of all Program Committees and Study Groups and shall report on the progress of their work.

7.5 The Vice President for Scientific Activities shall recommend to the President the appointment of the Chairpersons and members of the Program Committees and Study Groups. The Officers of the Program Committees and Study Groups shall be the Chairperson, one or more Co-Chairpersons and a Secretary. The Officers shall be either Members or Corresponding Members. They shall remain in office for the lifetime of the task concerned. The membership of Program Committees and Study Groups shall include Members and Corresponding Members, as well as non-Members who are distinguished in the respective subjects of interest of these bodies.

7.6 Each Program Committee shall focus on accomplishing specific assignments over a period of time and shall organize conferences, sessions or symposia of the Academy on particular topics. The Terms of Reference for all Program Committees are contained in the reports of the Board of Trustees.

7.7 The Study Groups shall aim at producing multidisciplinary time-limited studies on various topics, which should result in cosmic study reports and position papers. All such documents shall be subject to approval of the Board of Trustees before releases as official Academy documents. The Study Groups may also convene special symposia.

**Commission membership 2013-2015**


FUNCTION	IAA COMMISSIONS MEMBERSHIP 2013-2015					
	<i>As of Feb. 2015</i>					
	1	2	3	4	5	6
	<b>Space Physical Sciences</b>	<b>Space Life Sciences</b>	<b>Space Technology &amp; System Development</b>	<b>Space System Operation &amp; Utilisation</b>	<b>Space Policy Law &amp; Economy</b>	<b>Space &amp; Society, Culture &amp; Education</b>
CHAIR	Goswami J. (India)	Orlov O. (Russia)	Lu Yu (China)	Teofilatto P. (Italy)	Jorgenson C. (USA)	Chong Y.J. (Singapore)
VICE CHAIR	Smirnov N. (Russia)	Sundblad P. (Sweden)	Ramakrishnan S. (India)	Ovchinnikov M. (Russia)	Back-Impallomeni E. (Italy)	Al-Mashat A. (Iraq)
SECRETARY	McKenna-Lawlor S. (Ireland)	Belakovskiy M. (Russia)	Lenard R. (USA)	Balint T. (Hungary)	Teselkin S. (Russia)	Barresi G. (Italy)
PAST CHAIR	Vane G. (USA)	White R. (USA)	Reibaldi G. (Italy)	Alkalai L. (USA)	Grimard M. (France)	Languedoc G. (Canada)
MEMBER	Bonneville R. (France)	Akinyede J. (Nigeria)	Fan Ruixiang (China)	Kashanov Olexandr (Ukraine)	Arevalo Yepes C. (Columbia)	Arnould J. (France)
MEMBER	Nakamura M. (Japan)	Clement Gilles (France)	Genta G. (Italy)	Nakasuka S. (Japan)	Liu Jizhong (China)	Bohlmann U. (Germany)
MEMBER	Schindler S. (Germany)	Davis J. (USA)	Kawaguchi J. (Japan)	Neeck S. (USA)	Martinez P. (South Africa)	Kleinsasser A. (Austria)
MEMBER	Schwehm G. (Germany)	Rettberg P. (Germany)	Korepanov V. (Ukraine)	Puig-Suari J. (USA)	Masson J. (France)	Makarov Y. (Russia)
MEMBER	Ulamec S.	Rittweger J.	Saccoccia G.	Tsuchida A.	Schmidt-Tedd	Matogawa Y.

	(Austria)	(Germany)	(Italy)	(Japan)	B. (Germany)	(Japan)
MEMBER	Viviani A. (Italy)	Russomano T. (Brazil)	Razoumny Y. (Russia)	Zhu Minhui (China)	Ventskovsky O. (Ukraine)	
MEMBER Ex- Officio	Maccone C. (Italy)			Hornstein R. (USA)	Bonnal C. (France)	Liepack O. (USA)
MEMBER Ex- Officio				Laufer R. (USA)	Johnson N. (USA)	
MEMBER Ex- Officio				Sandau R. (Germany)	Klinkrad H. (Germany)	
MEMBER Ex- Officio				Valenzuela A. (Argentina)	Mendell W. (USA)	
MEMBER Ex- Officio					Schrogl KU. (Germany)	

Commission membership 2015 - 2017

FUNCTION	IAA COMMISSIONS MEMBERSHIP 2015-2017					
	<i>As of March 2015</i>					
	1	2	3	4	5	6
	Space Physical Sciences	Space Life Sciences	Space Technology & System Development	Space System Operation & Utilisation	Space Policy Law & Economy	Space & Society, Culture & Education
CHAIR	Smirnov N. (Russia)	Sundblad P. (Sweden)	Ramakrishnan S. (India)	Ovchinnikov M. (Russia)	Back- Impallomeni E. (Italy)	Al-Mashat A. (Iraq)
VICE CHAIR						

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MEMBER Ex-Officio				Sandau R. (Germany)	Klinkrad H. (Germany)	
MEMBER Ex-Officio				Valenzuela A. (Argentina)	Mendell W. (USA)	
MEMBER Ex-Officio					Schrogl KU. (Germany)	

# **Appendix 1**

## **International Academy of Astronautics**

6, rue Galilee, 75116 Paris

<http://www.iaaweb.org>

### **Commission VI**

Meeting, March 23, 2015

13h30 - 16h00

### **AGENDA**

- 1. Welcome.**
- 2. Adoption of the Agenda.**
- 3. Approval of Commission VI Minute, Toronto meeting, September 27, 2014**
- 4. IAA Cosmic Studies**

4.1 Impact on Society and Global Consciousness From The Iconic Image of The "Earth Rise From The Moon" In 1968 (SG 6.15-Foing)

4.2 STEM / STEAM for Space - Grand Challenges (SG 6.16 - Regel)

4.3 Multicultural Foundations and Influences of Human Space Exploration  
(SG 6.17- Arnould and Othman)

4.4 Dr Zhuang should provide a proposal on Microgravity Environment



4.5 Use of Space Technology in Natural Disasters: after the Climate Change and Disaster Management conference, Kovalam, Thiruvananthapuram, India, 26-28 February, 2015, investigation have to be made to see interest.

4.6 other potential new studies

## **5. IAA Conferences**

Role of Commission VI in contributing to the following IAA Conferences:

19-21 May, 2015, 5th IAA Conference on Space Technologies: the Present and Future, Dnepropetrovsk, Ukraine

09-11 June, 2015, 11th IAA Low-Cost Planetary Mission Conference, Berlin, Germany

29 June-03 July, 2015, 20th IAA Human in Space Symposium, Prague, Czech Republic

07-09 July, 2015, 9th IAA Symposium on The Future of Space Exploration - Towards New Global Programmes, Torino, Italy

09-12 November, 2015, 6th CSA-IAA Conference on Advanced Space Technology, Shanghai , China

## **6. Publications (Acta Astronautica and IAA Book Series)**

Regular issue: 18 papers were suggested for publication from the IAC 2014

Special issue: to be discussed

7. **Contribution of Commission VI to the Heads of Space Agency Summit** on Climate Change and Disaster Management, 17-18 September 2015, Mexico.

## **8. Other Business**

## **9. Adjourn**