

## **International Academy of Aeronautics**

### **Commission II: Life Sciences**

**Coordination meeting , 30. September 2001, HotelDieu Saint Jaques, Toulouse, France**

#### **Summary minutes**

1. The meeting was chaired by **R. Gerzer**, replacing R.White, which was due to other commitments unable to participate the meeting in Toulouse. A list of participants is enclosed (Annex I).
  
2. **The following agenda** has been agreed upon:
  - New structure of IAA
  - World Space Congress, Houston , 2002
  - Human in Space, Banff, 2003
  - Study Groups
  - Life Sciences Journal
  - Preparation Bremen 2003
  - AoB
  
3. **New Structure of IAA**

Mr. Gerzer debriefed upon recent information from IAA:  
Internet address for Commission: [IAACOMMISSION2@IAAnet.org](mailto:IAACOMMISSION2@IAAnet.org)  
During the IAF in Rio de Janeiro a new structure has been introduced. Documents have been distributed accordingly. The new matrix structure is composed out of commissions and sections, covering specific thematic fields. The responsibility of sections include the recruitment of new members for IAA, whereas the commissions are mainly dealing with program planning. There is consequently a need for Program Committees and Study Groups in the commissions. The composition of Commission 2 is given in annex 2.
  
4. **World Space Congress, Houston , 2002**

Mr. Mortimer informed on the program proposal for the WSC, where 4 session have been approved. These include Physiology, Planetary protection, Technical supply for long term flights and Human factors. A panel discussion and a plenary session (Benefits from Space) need to be clarified concerning its preparation and contribution by the most suitable people. Mr. Mortimer mentioned his strong engagement in the organisation of plenary sessions and the challenge to coordinate with COSPAR.
  
5. **Human in Space, Banff, 18 – 22. 05. 2003**

The motto of the meeting will be living in space, scientific, medical and cultural implications. A scientific organising committee need to be organised (Volunteers: Williams, Schmitt); work need to done in the next two month with an telecon among the members of the organising committee before Christmas. The program announcement needs to be out before the next spring meeting of IAA in Paris (2002).

## **6. Study Groups**

The participants of the commission meeting came after a short brainstorming and intensive discussion to the following proposal:

- *Monitoring of biological and chemical hazards*  
Team leader Dr D. SCHMITT ( ESA )  
On the need to establish miniaturized “online – monitoring” of hazards for the protection of humans on space flight and on Earth.
  
- *The ethical issue of individual space travellers*  
Team leader : Dr L. YOUNG  
Ethical considerations on Astronaut selection and individualized countermeasure development and therapies with the use of genotyping and phenotyping.
  
- *Multicultural interactions on long term space flight*  
Team leader : Mr. A. MORTIMER ( CSA )  
On the need to optimise multicultural aspects during long-term space flight.
  
- *Rehabilitation after long term space flight and from long-term immobilization*  
Team Leader DR I. KOZLOVSKAYA (IBMP)  
How to establish a strategy to optimize knowledge transfer on physical rehabilitation between space and terrestrial applications

Possible additional study groups :

- Planetary protection
- Human factor
- Closed biological Life support system : Space and terrestrial application

## **7. Life Sciences Journal**

Mr. Gerzer informed the Commission that his proposal for the initiation of a highly qualified Journal dedicated to space related Life Sciences has been declined for reasons of competition with AA.

## **8. Preparation Bremen 2003 and AoB**

The topics have been postponed due the shortage of time.

K. Kreuzberg

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#### **List of participants**

Gerzer	Rupert	<a href="mailto:Rupert.gerzer@dlr.de">Rupert.gerzer@dlr.de</a>
Kortidou-Papadelli	Chrysoula	<a href="mailto:papadeli@med.auth.gr">papadeli@med.auth.gr</a> , <a href="mailto:papadeli@koz.forthnet.gr">papadeli@koz.forthnet.gr</a>
Kozlovskaya	Inessa	<a href="mailto:ikozlovs@imbp.ru">ikozlovs@imbp.ru</a>
Kreuzberg	Karlheinz	<a href="mailto:karlheinz.kreuzberg@esa.int">karlheinz.kreuzberg@esa.int</a>
Mortimer	Alan	<a href="mailto:alan.Mortimer@space.gc.ca">alan.Mortimer@space.gc.ca</a>
Samel	Alexander	<a href="mailto:alexander.samel@dlr.de">alexander.samel@dlr.de</a>
Schmitt	Didier	<a href="mailto:Didier.Schmitt@esa.int">Didier.Schmitt@esa.int</a>
Quadens	Olga	<a href="mailto:olga.quadens@balgacom.net">olga.quadens@balgacom.net</a>
Young	Laurence	<a href="mailto:lry@mit.edu">lry@mit.edu</a>