

CHAPTER V

REPORT OF THE EXECUTIVE COMMITTEE

1. Introduction

This report outlines IAU business conducted by or through the Executive Committee in the triennium between the Rio de Janeiro General Assembly, 3-14 August 2009, and the Beijing General Assembly, 20- 31 August 2012.

The principal activities addressed by the Executive Committee during the triennium were:

- The conclusion of the International Year of Astronomy 2009,
- The implementation of the Strategic Plan approved at the Rio General Assembly, the establishment of the Office of Astronomy for Development (OAD) and the start of the OAD programme,
- Setting up a “Task Group” to recommend changes to the Divisional Structure of the Union,
- Completing the work of modernising the Union’s finances.

Much of the relevant material has appeared in IAU Information Bulletins 105 - 110 or on the IAU web site, and will not be repeated in full in this report.

2. Composition of the Executive Committee

The Executive Committee elected XXVII General Assembly was:

Robert	Williams	President
Norio	Kaifu	President-Elect
Ian F.	Corbett	General Secretary
Thierry	Montmerle	Assistant General Secretary
Matthew	Colless	Vice-President
Martha P.	Haynes	Vice-President
George K.	Miley	Vice-President
Jan	Palouš	Vice-President
Marta	Rovira	Vice-President
Giancarlo	Setti	Vice-President
Catherine	Cesarsky	Adviser
Karel A.	van der Hucht	Adviser

2.1. Executive Committee meetings

The Executive Committee met on five occasions:

EC87 on 15 August 2009 at the Rio de Janeiro XXVII General Assembly

EC88 on 11-13 May 2010 at the Space Telescope Science Institute, Baltimore, USA

EC89 on 24-26 May 2011 at the Academy of Sciences of the Czech Republic, Prague

EC90 on 18-20 April 2012 at the IAU offices, Paris.

EC91 on 19 and 23 August at the Beijing XXVIII General Assembly.

Division Presidents were invited to attend EC89. Reports on meetings EC87-EC90 have been published in IB 105 - 110. A report on EC91 will appear in IB 111, due to be published in January 2013.

2.2. *Officers' Meetings*

The Officers (President, President-Elect, General Secretary, Assistant General Secretary) met on 3 occasions in the IAU Secretariat in Paris: 25-27 January 2010, 24-26 January 2011, and 23-25 January 2012. Brief reports on all meetings can be found in IB 106, 108, and 110 respectively. In addition to these meetings, the Officers held several teleconferences to discuss urgent business.

2.3. *EC Working Groups*

- *International Year of Astronomy (IYA) 2009*

This Working Group remained very active throughout 2009 and well into 2010. The outstanding and unprecedented success of the IYA is down to the very effective overall strategic direction from the Working Group and the dedication and hard work of the IYA Secretariat established at ESO. This Working Group was disbanded at the end of 2010, upon completion of the IYA 2009 programme.

- *Women in Astronomy*

A major study of statistical data on Women in Astronomy was published in IB 106 and appeared in the Proceedings of the Women in Astronomy 2009 Conference, <http://wia2009.gsfc.nasa.gov> This Working Group is responsible for the organisation of two Special Activities at the XXVIII General Assembly in Beijing.

- *General Assemblies*

This Working Group, comprising the organisers of previous General Assemblies and the next two Assemblies, assists those planning future assemblies.

- *Future Large Scale Facilities*

Ten years ago the IAU Executive Committee created a Working Group on Future Large Scale Facilities, but its activities have fallen somewhat into abeyance in the last few years. EC87 decided to revive the group, with Roger Davies (Oxford) as Chair. The revised Terms of Reference were agreed at EC89:

1. To review the status of current planned or proposed large scale ground based and space projects in astronomy.
2. In doing so, to encourage contacts and cooperation between projects.
3. To report on progress against 1. above to the Executive Committee meeting EC90 in April 2012.
4. To organise a Special Session at the 2012 IAU General Assembly to hear presentations on selected projects and to develop a strategic overview of planned and required investment in large scale facilities.
5. To consider what further work might be undertaken by the Working Group, and present a proposal to the meeting of the new Executive Committee at the 2012 General Assembly.

3. Secretariat

The Paris based Secretariat comprises two full time positions - Head of Administration (formerly Executive Assistant) and the Data Base Administrator, plus a part-time Archivist. The smooth running of the Union depends critically on these three individuals, and their contribution cannot be overestimated. The Head of Administration, Vivien Reuter, who joined in 2008, will be leaving the IAU at the end of 2012. She has proved veritable pillar of strength, taking over at a very difficult period following the death of Monique Orine and implementing a series of major changes in the way the Secretariat functions while at the same time earning the trust and respect of everyone who ever had any dealings with her or the IAU. Her replacement has been recruited and will start on 8 October 2012 to work alongside Vivien for almost 3 months.

The Secretariat is housed in offices within the Institut d'Astrophysique de Paris (IAP) under an agreement with the CNRS. The IAU is most grateful to the CNRS and the IAP for this arrangement. The IAP also provides infrastructure and IT support.

The IAU Press Office, and web and database maintenance and support, are provided by the European Southern Observatory under an outsourcing agreement. This is an extremely cost-effective arrangement and the IAU is most grateful to the Director of ESO for agreeing to make this possible.

3.1. *Electronic Voting*

Following a competitive tender process, the Mi-Voice electronic voting system was implemented and has been used successfully by many Divisions and Commissions. The changes to the Statutes and Bye-Laws now approved by the General Assembly allow e-voting by Individual Members to be extended to wide range of issues. It will not be extended to votes by National Members at a General Assembly.

4. Membership of the Union

- NMs With the addition of four new members, Costa Rica, Honduras, Panama, and Vietnam, all with Interim status, at the XXVII Rio General Assembly, the total number of National Members is now 70, listed on <http://www.iau.org/administration/membership/national/>.

- IMs 887 Individual Members were admitted at the XXVII Rio General Assembly: the total number of individual members currently stands at 9898. An up-to-date list of deceased members will be presented to the XXVIII General Assembly.

5. Divisions, Commissions and W/PG etc.

In addition to the normal revues of Commissions and Working Groups, the major activity carried out by the EC though a special Task Group, chaired by the Assistant General Secretary, was a review of the Divisional structure of the Union and the preparation of a proposal for a revised structure, based on nine Divisions, to be presented to the XXVIII General Assembly. Details of the proposed restructuring and the rationale behind it were given on page 37 of IB109: the core proposal arrived at after many consultations and face-to-face meetings, including the Division Presidents and the Executive Committee, is for the following 9 Divisions. This restructuring is proposed by the Executive Committee to the XXVIII General Assembly with an enabling Resolution, and was approved at the

second session of the XXVII GA:

- Division A Space & Time Reference Systems
- Division B Facilities, Technologies, & Data Science
- Division C Education, Outreach, & Heritage
- Division D High Energies & Fundamental Physics
- Division E Sun & Heliosphere
- Division F Planetary Systems & Bioastronomy
- Division G Stars & Stellar Physics
- Division H Interstellar Matter & Local Universe
- Division J Galaxies & Cosmology

6. International Year of Astronomy 2009

A report on the IYA was given in IB106 (July 2010), and a very comprehensive report is available for download at

http://www.astronomy2009.org/static/archives/documents/pdf/iya2009_final_report.pdf.

It is relevant to repeat some sections of that report in order to convey just how successful IYA 2009 was. In the report, “about half of the stakeholder organisations reported the number of people reached by the events they organised, as well as the budgets they had available to implement their activities. Funds equivalent to at least 18 million Euros were devoted to IYA2009 activities - and this financial investment was complemented by enormous in-kind contributions from the amateur and professional astronomers, educators and organisers who helped to run the events”.

Reports from the IYA2009 network show that at least 815 million people worldwide were reached by IYA2009 activities. Star parties, public talks, exhibits, school programmes, books, citizen-scientist programmes, science-arts events, IYA2009 documentaries and parades honouring astronomy and its achievements made IYA2009 the largest science event so far in this century.

The global IYA2009 projects have also been more successful than anyone initially dared to imagine. Two worldwide star parties were held in 2009: 100 Hours of Astronomy in April, and Galilean Nights in October. In total more than three million people were involved, with many members of the public seeing night-sky objects such as the planets and the Moon through a telescope for the very first time - a life-changing experience for many. In the framework of the IYA2009 Cornerstone project, Developing Astronomy Globally, more than five thousand telescopes have been distributed to over 30 developing countries, to help promote astronomy education and outreach there. As part of the IYA2009 legacy, the IAU has initiated and is now implementing Astronomy for the Developing World, a pioneering ten-year plan to exploit astronomy in the service of education and capacity building in the developing world. The IAU has recently chosen the South African Astronomical Observatory as the location for its Office for Astronomy Development (OAD). The OAD will coordinate a wide range of activities designed to stimulate astronomy throughout the world. The IYA2009 presence in the new media sphere has been tremendous: the number of IYA2009-related blog entries and tweets reached millions. The IYA2009 Cornerstone Project Cosmic Diary, a blog where 60 professional astronomers from around the world blog about their lives, families, friends, hobbies and interests, as well as their work, had more than 250,000 visitors and more than 2100 blog entries. As another example, more than 10 000 people participated in Meteorwatch on Twitter, making this the first event of its kind, and also one of the biggest mass-participation events of IYA2009. On both nights of the Perseid meteor shower it

was the #1 top “trending topic, by far the most-discussed thing on the Twitter network anywhere in the world!”

7. Strategic Plan and OAD

As a first step in the implementation of the decadal strategic plan “Astronomy for the Developing World - Building from the IYA2009”, approved at the XXVII GA in Rio de Janeiro, the IAU invited bids to host the Office of Astronomy for Development (OAD) through an Announcement of Opportunity published in October 2009. The IAU received 40 Expressions of Interest followed up by 20 Proposals. This response was much greater than anticipated and showed the very strong support for, and interest in, the IAU Strategic Plan for Astronomy in the Developing World. After very careful consideration, the Executive Committee, meeting at EC88 in Baltimore 11-13 May, selected the South African Astronomical Observatory (SAAO) as the host site for the OAD. The detailed Agreement between the IAU and the SAAO was signed on 30 July 2010. The SAAO has contributed the following short article to describe itself and its plans for the OAD.

“The development of astronomy and the contributions of astronomy to global development have been high on the agenda of the IAU, as emphasised in the last IAU General Assembly in Brazil in 2009 where the decadal plan entitled “Astronomy for the Developing World” was launched. A key component of this visionary plan was the establishment of an Office for Astronomy Development (OAD) which would oversee and coordinate its implementation. At the 88th meeting of the IAU Executive, after the assessment of 20 proposals, South Africa was selected as the host country of the OAD, with the South African Astronomical Observatory (SAAO), a facility of the National Research Foundation (NRF), being selected as the host institution. This note is to communicate to the IAU membership the perspective of the SAAO and what this selection means for the field.” Following the signing of the IAU-NRF Agreement, the OAD Steering Committee was set up, Chaired by George Miley, IAU Vice-President, and comprising Khotso Mokhele (Vice-chair - nominated by NRF), Kaz Sekiguchi (nominated by IAU), Megan Donahue (nominated by IAU), Claude Carignan (nominated by NRF) and Patricia Whitelock (nominated by NRF). The OAD web site is <http://www.astronomyfordevelopment.org/>.

7.1. *Director of the IAU Office for Astronomy Development*

Immediately after signing the Agreement the IAU and the National Research Foundation of South Africa issued an advertisement for an outstanding individual to fill the role of Director for the OAD to provide the necessary leadership and spearhead the effective implementation of the IAU strategic plan. The tasks of the Director were expected to include:

- o worldwide management, coordination and evaluation of IAU programmes in the area of development and education and establishment of their annual budgets;
- o liaison with the chairs of relevant IAU program groups/sector task forces and other relevant stakeholders in planning and implementing the relevant programs;
- o building up IAU regional astronomy development nodes and liaison with the IAU regional coordinators and nodes in planning and implementing relevant programs;
- o implementation of new activities, as outlined in the IAU decadal strategic plan;
- o managing the OAD and its staff, including recruitment, establishment and control of the OAD budget, interfacing with the SAAO as host organisation and appropriate regular reporting;

o proactive coordination and initiation of fund-raising activities for astronomy-driven capacity building activities.

A large number of excellent candidates responded to the advertisement and a short list of candidates was drawn up and interviewed. Kevindran Govender, Manager of the SALT Collateral Benefits Programme at the South African Astronomical Observatory, Cape Town, was appointed Director of the IAU Office for Astronomy Development. Kevin played an important role in several global IYA activities and was a major contributor in the development of the IAU Decadal Strategic Plan "Astronomy for the Developing World," which the OAD is responsible for leading and coordinating. The Office formally began its work on 1 March, 2011. It organised a major meeting of stakeholders in December 2011.

7.2. *Establishment of Task Forces*

The OAD has now established the three Task Forces which will drive global activities using astronomy as a tool to stimulate development. These Task Forces are: (i) Astronomy for Universities and Research; (ii) Astronomy for Children and Schools; and (iii) Astronomy for the Public. This milestone forms part of the IAU Strategic Plan which aims to build on the momentum of the successful International Year of Astronomy 2009. The plan recognises and seeks to realise the impact that astronomy has on the development of a country and region because of its contribution to: technology and skills; science and research; and culture and society. The OAD was set up to realise these global benefits, and the Task Forces are a step towards this. The OAD will also be coordinating the establishment of regional nodes and language expertise centres across the world to ensure local input and wide inclusiveness into strategic planning and implementation. The Task Forces are made of groups of experts in their field who give their time voluntarily to advise on and coordinate projects in the respective targeted areas of development.

The Task Groups end their Chairs are:

Task Force 1: Universities and Research: Edward Guinan (Chair - USA)

Task Force 2: Children and Schools: Pedro Russo (Chair - Netherlands/Portugal)

Task Force 3: Public: Ian Robson (Chair - UK)

7.3. *Establishment of Regional Centres*

The IAU Strategic Plan envisages that a number of regional nodes will be established gradually throughout the decade, supported mainly by external funds, such as in-kind contributions by the host organisations. The OAD will work towards establishing such regional nodes across the world. A regional node could be an astronomical institute that is presently engaged both in research and in promoting astronomy education. It is also important to be pragmatic with the definition of a "region" and define it as an area for which a regional node would clearly further the goals of the strategic plan and the OAD. Such a region could vary in size from a continent to a province within a country. A call for Expressions of Interest in hosting Regional Centres and Language Expertise Centres has been issued and the responses are being evaluated. The number of Regional Centres is not fixed but will depend on the offers received and the funding available. It is expected that a start will be made with a few Regional Centres and the number progressively increased with time. *MoUs were signed for two Regional Centres at the XXVIII GA*

8. Educational Activities

The educational activities of the IAU, coordinated by Commission 46 but overseen by the Executive Committee, are an important component of the IAU's overall strategy and will be progressively integrated within the programme under the OAD's Task Forces.

- International School for Young Astronomers (ISYA)

The following ISYA have been organised, with support from the Norwegian Academy of Science and Letters (NASL):

ISYA 2012, 6 - 26 February, 2012, South African Astronomical Observatory, Cape Town, South Africa.

ISYA 2011, 31 March - 21 April, 2011, Lijang, China

ISYA 2010, 12 September - 3 October, 2010, Byurakan Observatory, Armenia

ISYA 2009, 7 - 18 December, 2009, Trinidad and Tobago.

- Teaching Astronomy for Development (TAD)

TAD organises training and education programmes in developing countries. In the triennium these took place in Kenya and Gaza/West Bank (2009), Burkina Faso (2010), Nicaragua, Ethiopia, and Vietnam (2011).

- World-Wide Development of Astronomy (WWDA)

The WWDA team assess and assist local activities in astronomy education and research. Visits have been made to Paraguay, Senegal, Tajikistan, Panama and Costa Rica, Brunei, Kazakhstan, Fiji, Bolivia and Columbia, Tunisia and Algeria.

- Network for Astronomy School Education (NASE)

NASE has organised a large number of courses for primary and secondary school teachers in Latin America.

9. Public Outreach Coordinator

The value of a dedicated Public Outreach Coordinator (POC) became obvious during the International Year of Astronomy. Thanks to the generous offer to host the POC from the National Astronomical Observatory of Japan, with additional contributions from other Asian institutes, it has been possible to establish an office and permanent position. Sarah Reed has been appointed as POC and will take up her post shortly after the Beijing GA. She will also take over the editorship of the *Communicating Astronomy to the Public* (CAP) journal.

10. Scientific Meetings

As usual, the IAU supported 9 symposia and one Regional Meeting each year. Full details are available on <http://www.iau.org/science/meetings/past/> and the post-meeting reports are available on

http://www.iau.org/science/meetings/past/meeting_report/.

In summary, the Symposia held since the XXVII GA in Rio de Janeiro were:

2012

- IAUS 279 Death of Massive Stars: Supernovae and Gamma-Ray Bursts, March 12 - 16, Nikko Japan
 IAUS 287 Cosmic masers - from OH to Ho, January 29 - Feb 3, Stellenbosch South Africa

2011

- IAUS 286 Comparative magnetic minima: characterizing quiet times in the Sun and stars October 3 - 7, Mendoza, Argentina
 IAUS 285 New Horizons in Time Domain Astronomy September 19 - 23, Oxford, UK
 IAUS 284 The spectral energy distribution of galaxies (SED2011) September 5 - 9, Preston UK
 IAUS 283 Planetary Nebulae: an Eye to the Future July 25 - 29, Puerto de la Cruz, Tenerife, Spain
 IAUS 282 From Interacting Binaries to Exoplanets: Essential Modeling Tools July 18 - 22, Tatranska Lomnica, Slovakia
 IAUS 281 Binary Paths to the Explosions of type Ia Supernovae July 4 - 8 Padova, Italy
 IAUS 280 The Molecular Universe May 29 - June 3, Toledo, Spain
 IAUS 278 Archaeoastronomy and Ethnoastronomy: Building Bridges between Cultures January 5 - 14, Lima, Peru

2010

- IAUS 277 Tracing the ancestry of galaxies (on the land of our ancestors) December 13 - 17, Ouagadougou, Burkina Faso
 IAUS 276 The Astrophysics of planetary systems - formation, structure, and dynamical evolution October 11 - 15, Torino, Italy
 IAUS 275 Jets at all scales September 13 - 17, Buenos Aires, Argentina
 IAUS 274 Advances in plasma astrophysics September 6 - 10, Catania, Italy IAUS 273 Physics of Sun and star spots August 23 - 26, Los Angeles, United States
 IAUS 272 Active OB stars - structure, evolution, mass loss, and critical limits July 19 - 23, Paris, France
 IAUS 271 Astrophysical dynamics - from stars to galaxies June 21 - 25, Nice, France
 IAUS 270 Computational star formation May 31 - June 4, Barcelona, Spain
 IAUS 269 Galileo's Medicean Moons - their impact on 400 years of Discovery January 6 - 9, Padova, Italy

2009

- IAUS 268 Light Elements in the Universe November 9 - 13, Geneva, Switzerland.

In addition, there were the following Regional Meetings:

2011

- APRIM 2011 11th Asia-Pacific IAU Regional Meeting July 26 - 29, Chiang Mai, Thailand
 MEARIM 2011 2nd Middle East-Africa IAU Regional Meeting April 10 - 15, Cape Town, South Africa

2010

- LARIM 2010 XIII Latin American Regional IAU Meeting (LARIM-2010) November 8 -12 Morelia, Mexico

11. IAU Publications

A comprehensive list of IAU Publications can be found at <http://www.iau.org/science/publications/iau/>. From September 2009 they comprise IAUS 260 - 287, *Highlights of Astronomy 15*, *Proceedings of the Twenty Seventh General Assembly Transactions XXVIIB*, and *Reports on Astronomy: Transactions XXVIII A*.

The Proceedings of Symposia, plus Highlights of Astronomy and Transactions A and B are published by Cambridge University Press under an agreement with the IAU which currently terminates on 31 December 2013. The terms of this Agreement will be reviewed in preparation for either renewal or a competitive tender process. The collaboration with CUP has been extremely effective: the quality of the produced volumes has been excellent and the IAU has received significant income from the 50:50 sharing of net revenues.

The IAU Information Bulletins are published twice per year. During the triennium, IB 105 - 110 were published and are available on the IAU web site at:

http://www.iau.org/science/publications/iau/information_bulletin/.

Electronic newsletters and Press Releases are produced as required. A total of 8 electronic newsletters and 285 Press Releases were produced in the triennium. They are available at:

<http://www.iau.org/science/publications/iau/newsletters/> and

http://www.iau.org/public_press/news/ respectively.

12. Relationships with other Organisations

The IAU maintains close relationships with many other scientific bodies - a full list of the IAU representatives can be found at http://www.iau.org/administration/executive_bodies/other_organizations/. This list will be updated after the Beijing GA.

- ICSU

The IAU is a member of the International Council of Science (ICSU). Through ICSU, the IAU participates in highly relevant data activities under CODATA (The Committee on Data for Science and Technology) and WDS (The World Data System). Other activities include COSPAR (Space Research), SCOSTEP (Solar-Terrestrial Physics), IUCAF (Radio Astronomy and Space Science) and SCAR (Antarctic Research). Through these bodies the IAU is able to influence worldwide developments and strategy in fields of interest, but is increasingly concerned that the strategic priorities of ICSU are of little direct relevance to the IAU, and indeed to many of the 'basic science' unions.

- UNESCO

The IAU had a successful collaboration with UNESCO in getting UN endorsement of the International Year of Astronomy, and thought to follow this through with activities of joint interest based on the IAU Strategic Plan, but with only limited success. There is, however, a very effective collaboration on Astronomical Heritage through the IAU Working group on Astronomy and World Heritage. The Memorandum of Understanding signed in October 2008 has been extended to the end of 2012 and can be expected to be extended for a further two years beyond that. One of the major outcomes of this collaboration is the Thematic Initiative "Astronomy and World Heritage", a report published at the end of 2011 and available on the UNESCO web site as part of the UNESCO "Report

on the World Heritage Thematic Programmes”.

- COPUOS (The United Nations Committee on the Peaceful Uses of Outer Space)
The IAU is an active contributor in this body, and particularly on the issue of forecasting, and potentially mitigating, future impacts of Near Earth Objects (NEOs; comets: NECs; asteroids: NEAs) on Earth.

- BIPM (The International Bureau of Weights and Measures)
The BIPM is responsible for maintaining the SI system of units and the IAU advises and assists on maintaining the integrity of the SI system of units. The BIPM has an important role in maintaining accurate worldwide time of day. It combines, analyses, and averages the official atomic time standards of member nations around the world to create a single, official Coordinated Universal Time (UTC). The IAU has participated actively in a (currently unresolved) debate on whether or not the leap second used to synchronize solar time and UTC should be abandoned.

13. Financial Matters

Following the death of the previous Executive Assistant (M. Orine) and the recommendations of the Finance Sub-Committee, a major revision of the IAU financial processes and systems was started in 2008 by the then General Secretary, Karel A van der Hucht, and the new Executive Assistant, Vivien Reuter, and completed in 2010.

The first step was the implementation of the SAGE electronic accounting system and the appointment of new auditors with a well defined and wider reaching remit. At the same time, the decision was made to manage all IAU finances in euros, rather than Swiss Francs, and to move the accounts from UBS in Lausanne to the Paris branch of an international bank.

The budget for 2007-2009 was prepared in Swiss Francs, so the accounts were presented in both Swiss Francs and euros, as was the budget for 2010-2012, with the euro budget being definitive. Membership dues from 2010 onwards were calculated and paid in euros, and from 2010 the accounts have been kept entirely in euros.

After a careful review of options, and bearing in mind the experience with the French bank LCL, it was decided to move all the IAU accounts to HSBC in Paris, apart from a small balance, also in euros, remaining with UBS in Lausanne. HSBC is a very large international bank with a strong presence in most parts of the world. It offered a full range of services including secure internet banking and a dedicated advisor and contact.

The transfer to HSBC was completed in 2010: the account with LCL was closed as soon as settlement had been reached over the cheque encashment issues of the previous Executive Assistant; and the accounts and investments with UBS were transferred to HSBC once the International Year of Astronomy finances were closed.

Essentially all bank transactions are now completed by internet, entered by the Executive Assistant and authorised by the General Secretary. All cheques are signed by the General Secretary against verified invoices, all transactions are visible to both General Secretary and Executive Assistant, and are checked and entered into the SAGE system by the Executive Assistant. Monthly salaries and annual account reconciliation with the SAGE system are prepared by an external independent accountant. The final result is a robust and transparent system which fully meets the needs of the IAU, with the result that the accounts for 2008-2011 have been examined and certified by the new auditor and no specific issues have been raised.

Given the extremely volatile state of the financial markets, the decision was made, in consultation with the Finance Sub-Committee, to keep the IAU's reserve funds, amounting to about one year's operating expenses or 1 million euros, in cash bonds with HSBC. These offer a comparatively low rate of interest (as is the case for all such investments in the Eurozone), but the capital is protected from market fluctuations. The funds are invested in several bonds at any one time, with terms varying from 3 to 12 months, thus giving the IAU flexible access to meet in year requirements.

The arrival of the new Executive Assistant in 2008 and the adoption of all-euro budgeting gave the opportunity to learn from experience in 2009-2012, so that the budget proposed for 2013-2015 is effectively a zero-base budget which draws on previous experience and takes into account policy implementation, such as the Strategic Plan, in the future.

14. Gruber Foundation

The IAU enjoys a close relationship with the Gruber Foundation, nominating members for the Gruber Cosmology Prize and recommending the award of the annual Gruber Fellowship.

The Cosmology Prize Awardees are listed at

http://www.iau.org/grants_prizes/gruber_foundation/, and the Fellows at http://www.iau.org/grants_prizes/gruber_foundation/fellowships/recipients/fellow2012/.

15. Norwegian Academy of Science and Letters and the Kavli Prize in Astrophysics.

The Kavli Prize is awarded every other year for outstanding achievement in advancing knowledge and understanding of the origin, evolution, and properties of the universe. In 2008 the Norwegian Academy of Science and Letters (NASL) and the International Astronomical Union agreed to cooperate on future Kavli Prizes in Astrophysics, and in 2010 the IAU and the NASL agreed to collaborate when choosing the members of the Kavli Prize selection committee. The Academy remains responsible for the announcement of the prize and the nomination of the winners, with advice from the Kavli Foundation and the IAU. The prize winners are listed at www.iau.org/grants_prizes/kavli_prize/.

The NASL supports one IAU International School for Astronomy (ISYA) every year and contributes to the cost of events for Young Astronomers at the General Assemblies.

*Annex to Executive Committee Report***AGREEMENT**

Between

The International Astronomical Union,

and

The National Research Foundation of South Africa,

concerning the hosting of the

OFFICE FOR ASTRONOMY DEVELOPMENT

of the IAU Strategic Plan “Astronomy for the Developing World”

Considering that

the International Astronomical Union (hereinafter IAU) produced IAU Strategic Plan 2010-2020 “Astronomy for the Developing World”;

the IAU XXVII General Assembly, held in Rio de Janeiro, Brazil 3 - 14 August 2009 resolved to proceed with the implementation of this Strategic Plan;

the IAU issued an Announcement of Opportunity (AO) to host the Office for Astronomy Development (hereinafter OAD) in October 2009;

the South African Astronomical Observatory (hereinafter SAAO), a facility of the National Research Foundation (hereinafter NRF), submitted a proposal with the endorsement of the South African Department of Science and Technology (hereinafter DST) on 28 February 2010 in response to this AO, and subsequently responded to supplementary questions from the IAU;

the IAU Executive Committee, at its meeting in Baltimore, USA, on May 11-13 2010, considered the proposals received and selected SAAO as the host for the OAD;

the SAAO accepted the invitation of the IAU to host the OAD according to its proposal;

the IAU for the one part and NRF (acting herein through the South African Astronomical Observatory) for the second part therefore agree as follows:

1. Tasks and objectives of the OAD

The OAD is the lead organization in the worldwide implementation of the IAU “Astronomy for the Developing World” Strategic Plan 2010-2020 with tasks as outlined in Section 4.1 of that Plan. It will provide the global coordination needed for an integrated strategic approach and in addition will be expected to initiate and develop new programs consistent with the goals of the Strategic Plan.

Its tasks will include:

1. Management, coordination and evaluation of the IAU programs worldwide in the area of development and education, including recruiting and mobilizing participating volunteers.

2. Organization of oversight of the IAU development programs and the formulation of their annual budgets.
3. Liaison with the chairs of the various Commission 46 Program Groups and sector task forces in planning and implementing the relevant programs.
4. Liaison with the IAU regional coordinators and IAU Regional Centres in planning and implementing the relevant programs.
5. Provision of administrative support for IAU programs in development, education, and outreach.
6. Coordination of contacts between the IAU and national authorities throughout the world.
7. Establishment of the new IAU endowed lectureship program.
8. Liaison with other international unions and agencies promoting astronomy in the developing world, such as UNOOSA, COSPAR and URSI.
9. Stimulation of communication on IAU development matters between members and associated members through the maintenance of an IAU website for development and education and appropriate forums.
10. Provision of information for astronomers in all developing countries about IAU programs.
11. Proactive coordination and initiation of fundraising activities for astronomy development.

2. Legal Status of the OAD

1. The OAD is a project of the IAU operated, on behalf of NRF, by SAAO under this agreement. The OAD is thus bound by the laws of South Africa and the rules and regulations that apply to and within SAAO. Any necessary deviation from these regulations, due to the international nature of the OAD, should first be approved by the OAD Steering Committee after consulting the NRF.

3. Location of the OAD

1. The OAD shall be located at the SAAO headquarters in Cape Town, South Africa.

4. Responsibilities of NRF

NRF will, through the SAAO, be the host and legal persona of the OAD, and the employer of the Director of Development and Education (DDE) and OAD staff. As such the NRF will, through the SAAO:

1. Ensure that the OAD conducts its affairs in accordance with the laws of South Africa and the requirements of the IAU.
2. Provide the facilities and services set out in this Agreement.
3. Support, assist and advise the DDE in the discharge of the tasks of the OAD.
4. Ensure that the DDE and OAD staff can carry out their tasks, as overseen by the OAD Steering Committee, free of other influence or interference.
5. Assist the IAU in seeking additional funding for the activities of the OAD.

The person within SAAO responsible for hosting the OAD on behalf of the NRF is the SAAO Director, acting under the authority of the NRF Corporate Executive.

5. Responsibilities of the IAU

The IAU is responsible for the implementation of the IAU Strategic Plan 2010-2020 “Astronomy for the Developing World” and as such shall:

1. Advertise and promulgate the OAD activities worldwide.
2. Actively seek out additional funding for OAD activities through donations, in kind support, etc.
3. Establish a network of Regional Centres linked to the OAD.
4. Assist the OAD in the coordination of its activities under Divisions XII and Commission 46.
5. Support, assist and advise the NRF and SAAO in the hosting of the OAD, and the DDE in the discharge of the tasks of the OAD.

The person within the IAU responsible for the OAD and the Strategic Development Plan is the General Secretary, acting under the authority of the Executive Committee and the General Assembly.

6. Financial Contributions

(a) By NRF

1. Contributions from NRF may be made in respect of specific programs carried out by the OAD in fulfilment of NRF objectives.
2. Any contributions from DST to NRF in respect of the OAD and its programs shall be the subject of separate arrangements between DST and NRF.

(b) By IAU

1. While this Agreement is in force the IAU will pay NRF annually, upon presentation of an invoice, the sum of 50,000 EUR, or such greater sum as may have been agreed between IAU and NRF. This amount may be paid directly in the SAAO bank account if deemed more practical by all concerned parties.
2. Further contributions from IAU may be made in respect of specific programs carried out or funded by NRF with the approval of the IAU.

7. Services and Facilities provided by NRF

The NRF, through its facility, the SAAO, will provide the following for the OAD:

1. Office space at SAAO headquarters in Cape Town
2. Communications and IT support
3. Administrative support during initial setting up of OAD
4. Financial management support
5. HR management support
6. Auditorium and accommodation facilities for conferences and workshops

The details of the above will be negotiated between the Director of Development and Education, once appointed, and the SAAO.

8. Additional Resources

1. The OAD will be give reasonable access to NRF projects and expertise relevant to the OAD, especially those based at the SAAO.
2. The IAU will provide additional high level administrative assistance where necessary.

The details of the above will be negotiated between the Director of Development and Education, once appointed, and the SAAO and IAU.

9. Oversight

1. The IAU and NRF shall jointly establish a body, to be known as the OAD Steering Committee, which shall exercise general oversight of the activities of the OAD and DDE.
2. The OAD Steering Committee shall be formed upon this Agreement entering into force, and shall comprise 3 members nominated by the IAU and 3 members nominated by the NRF. The Chair of the OAD Steering Committee shall hold office for 2 years and shall alternate between a nominee of the IAU and a nominee of NRF.
3. Members of the OAD Steering Committee shall normally serve a maximum of 4 years unless appointed Chair, in which case the maximum term shall be 6 years.
4. The OAD Steering Committee shall define its own Rules of Procedure.

10. Appointment of Director of Development and Education

1. The IAU and SAAO (as mandated by NRF as the host of the OAD and employer of its staff) shall jointly advertise the position of Director of Development and Education (DDE).
2. The selection of the DDE shall be done by the OAD Steering Committee and shall be subject to the ratification of the IAU Executive Committee and NRF.
3. The DDE shall be employed by the NRF at SAAO, which shall fix the remuneration, benefits, social charges, and terms and conditions of employment, subject to the approval of the OAD Steering Committee.

11. Recruitment of Staff

1. The DDE shall be responsible for recruiting the staff of the OAD in line with the procedures of the NRF, and with due consideration of the international nature of the OAD.
2. All staff shall be employed by the NRF at SAAO, which shall fix the remuneration, benefits, social charges, and terms and conditions of employment, subject to the approval of the OAD Steering Committee.

12. Terms and Conditions of Employment of DDE and OAD Staff

1. Unless special circumstances require different arrangements, to be agreed by the OAD Steering Committee, all staff shall be employed under the NRF standard terms and conditions of employment.

13. Evaluation of Staff Performance and Remuneration

1. The OAD Steering Committee shall assess the performance of the DDE annually, setting objectives for the following year, and shall report in writing to the IAU Executive Committee and NRF. Within the limits of the budget, the OAD Steering Committee may set the remuneration of the DDE.
2. The DDE shall assess the performance of the OAD staff annually, setting objectives for the following year, and shall report in writing to the OAD Steering Committee. Within the limits of the budget, the DDE may set the remuneration of the staff.
3. Termination of contracts of employment shall follow the procedures and rules which apply to equivalent employees of the NRF, with due consideration of the international nature of the OAD and thus high impact of underperformance.

14. Budget and Budget Control

1. The Financial Year of the OAD shall be the same as the financial year of the NRF for audit and reconciliation purposes.
2. The budget of the OAD shall be proposed to the OAD Steering Committee annually by the DDE in such detail as may be decided from time to time by the OAD Steering Committee.
3. Within each Financial Year the DDE shall have total control of the OAD finances, provided that expenditure does not exceed the overall budgeted income and that any unusual or unexpected expenditure is reported promptly to the Steering Committee.
4. Any increase in expenditure in year shall have the source of funding agreed and shall be approved in advance by the OAD Steering Committee.

15. Programme and Financial Reporting

1. The DDE shall report annually in writing to the OAD Steering Committee on the programme completed, future plans, and financial status of the OAD.
2. The DDE shall present annually to the OAD Steering Committee for approval an income and expenditure budget for the following year.
3. The Steering Committee shall present a written report annually to the IAU and NRF on the programme completed, future plans, and financial status of the OAD, including the approved budget.
4. Fundraising activities shall be reported to the IAU separately.
5. A publicly accessible annual report, approved by the OAD Steering Committee, shall be produced and distributed to funders and stakeholders.
6. Regular updates on activities of the OAD shall be made available on the OAD website and distributed via other means of electronic communication as appropriate.

16. Reviews

1. At intervals of not less than 2 years and not more than 4 years the IAU and NRF shall arrange for independent reviews of the performance of the OAD. The terms of reference of such reviews shall be set by the IAU Executive Committee in consultation with NRF and the review body shall report directly to the IAU Executive Committee and NRF.

2. Unless agreed otherwise by the OAD Steering Committee, there shall be a review before each IAU General Assembly timed such that the IAU Executive Committee can report to the General Assembly on the outcome of the review.
3. Unless agreed otherwise by the IAU Executive Committee, the DDE shall present a report on the activities and achievements of the OAD to each IAU General Assembly and which shall be included in the published Transactions of the IAU.

17. Duration of Agreement

1. This agreement shall come into force on the date of signature by the IAU and NRF, and shall remain in force until 31 December 2015. It shall thereafter be renewed by the IAU and NRF at 3-yearly intervals.

18. Termination of Agreement

1. This agreement may be renegotiated or terminated at any time with the agreement of all signatories.
2. The NRF or the IAU may each terminate this agreement unilaterally by giving notice in writing not less than one year in advance of the proposed date of termination. Such notice shall give the reasons for the termination and shall set out how existing obligations will be discharged. During this period the IAU and NRF shall endeavour to honour all obligations and commitments to each other and to any implicated third parties.
3. The NRF and the IAU may mutually agree to terminate the present Agreement in the case of natural hazard, civil unrest (whether the acts causing the unrest are lawful or unlawful), uprising, acts of terrorism, national or international emergency or conflict, labour unrest, the emergence of a risk to public health or safety, or similar events, which make the carrying out of the functions of the OAD impossible and unreasonable for the IAU or NRF. The IAU General Secretary and NRF President shall determine the existence of any of the said or similar events jointly in so far as they present an obstacle to hosting the OAD.
4. Where termination occurs as a result of such a decision, the IAU and NRF agree that they shall not claim indemnities for any of the costs or other responsibilities that arise directly or indirectly from such termination.
5. Should the IAU Executive Committee decide that NRF is not meeting or is unlikely to meet its obligations under this Agreement, or that the OAD is unable to fulfil its objectives while hosted within the SAAO, the IAU General Secretary shall immediately inform NRF in writing of the concerns of the Executive Committee. NRF will then have a reasonable period of time to respond to and address these concerns and present its resolution in writing to the Executive Committee.
6. Following review of the written response from NRF and assessing the impact of the proposed resolutions to the matters of concern, the IAU Executive Committee may unilaterally terminate the present Agreement should it decide that NRF is reasonably likely to fail to meet its obligations under this Agreement for any reason other than those identified in paragraph 3 above, and may, in such circumstances, seek compensation from NRF, taking into account any extenuating circumstances.

19. Disputes

1. Any dispute over the interpretation of this Agreement shall in the first instance be resolved by negotiation between the Director of the SAAO (acting as host on behalf of the NRF) and the General Secretary of the IAU. Should this fail negotiation between the President of the IAU and President of NRF may proceed to a decision, which shall be binding on both the NRF and the IAU.

For the International Astronomical Union

Ian Corbett, General Secretary

For the National Research Foundation

Albert van Jaarsveld, President

ADDENDUM TO THE AGREEMENT

entered into between
The International Astronomical Union (IAU)
and
The National Research Foundation (NRF)

WHEREAS the IAU and the NRF concluded an agreement (“the Agreement”) on 30 July 2010 concerning the hosting of the Office for Astronomy Development (“the OAD”) at the South African Astronomical Observatory;

AND WHEREAS the OAD Steering Committee and the IAU Executive Committee have decided that the name of the office should be changed to Global Office of Astronomy for Development (OAD);

NOW THEREFORE the parties agree as follows:

1. All references to the name “Office for Astronomy Development” are hereby deleted and replaced with the name Global Office of Astronomy for Development.
2. The acronym “OAD” in the Agreement shall be retained as an abbreviated form of the name Global Office of Astronomy for Development.
3. The title “Director of Development and Education” is hereby deleted and replaced by “Director OAD”.
4. Save for the above, the remaining provisions of the Agreement shall remain in full force and effect.

For the International Astronomical Union
Ian Corbett, General Secretary

For the National Research Foundation
Albert van Jaarsveld, President & CEO

EXECUTIVE COMMITTEE REPORT : APPENDIX I**I. IAU – SIMPLIFIED ACCOUNTS FOR 2010-2012 (EURO, rounded)**

[August 2012]

I	INCOME	2010 (EUR)	2011 (EUR)	2012 (EUR)	2010 - 2012 (EUR)
A	ADHERING ORGANIZATIONS				
A1	National Member dues	689 891	892 711	824 412	
B	GRANTS				
B1	GA related	57 250	--	1 138	
B4	NASL/KAVLI grant for ISYA (US\$30,000)	20 932	21 277	22 722	
B5	Other grants & Grant refunds	670	6 553	27 587	
C	PUBLICATIONS & ROYALTIES				
C2	CUP	51 692	86 594	52 441	
C3	Springer	595	224	362	
C4	other				
	<i>sub-total ROYALTIES</i>	<i>52 287</i>	<i>86 818</i>	<i>52 803</i>	
D	FUNDS IN TRANSIT				
D1	IYA2009	261 734	61 697		
D3	PPGF Fellowship (USD 50 000/yr)	35 426	40 358	35 258	
	<i>sub-total FUNDS IN TRANSIT</i>	<i>37 000</i>	<i>102 155</i>	<i>35 258</i>	
E	ADMIN. & BANK REFUNDS	7 503	150 693		
F	BANK REVENUE				
F2	Exchange rate gain	32 772	3 844		
F3	Savings accounts	7 052	82 667	13 216	
	<i>sub-total BANK REVENUE</i>	<i>39 824</i>	<i>86 511</i>	<i>13 216</i>	
	total INCOME	1 165 517	1 346 718	977 136	3 489 371
G	total INCOME w/o 'In Transit'	871 011	1 284 921	941 875	3 097 807

II. IAU – EXPENDITURE 2010 - 2012 (EURO, rounded)

II	EXPENDITURE	2010 (EUR)	2011 (EUR)	2012 (EUR)	2010 - 2012 (EUR)
M	GENERAL ASSEMBLIES (GAs)	272 565	1 076	10 673	
N	SCIENTIFIC ACTIVITIES				
N1	Sponsored Meetings	73 209	190 000	199 000	513 000
N2	WORKING GROUPS				
N2.1	EC Working Groups			5 961	
N2.1.3	IYA2009	38 756	6 676	35 000	37 800
N2.2	Div. & Comm. Working Groups	21 878	3 027	35 414	114 000
	<i>total SCIENTIFIC ACTIVITIES</i>	<i>133 843</i>	<i>199 703</i>	<i>275 375</i>	<i>627 000</i>

	EXPENDITURE (cont'd)	2010 (EUR)	2011 (EUR)	2012 (EUR)	2010 - '12 (EUR)
O	EDUCATIONAL ACTIVITIES				
O1	IAU-NASL International Schools for Young Astronomers	19 650	32 500	18 628	93 000
O2-O7	Other Educational Activities TAD etc.	53 026	59 066	114 503	
	<i>total EDUCATIONAL ACTIVITIES</i>	<i>72 676</i>	<i>91 566</i>	<i>133 131</i>	<i>433 200</i>
P	FUNDS IN TRANSIT				
P1	IYA2009	216 477	141 701	64 133	
P3	PPGF FELLOWSHIP (US\$ 50 000)	37 040	38 479	37 359	111 000
	<i>total FUNDS IN TRANSIT</i>	<i>253 517</i>	<i>180 180</i>	<i>101 492</i>	<i>111 000</i>
Q	COOP. with OTHER UNIONS				
Q1	DELEGATES, TRAVEL	662	2 266	9 855	
Q2	DUES TO OTHER UNIONS				
Q2.1	ICSU	12 431	12 804	13 188	37 800
Q2.3	IUCAF		8 000	3 100	9 454
	<i>total COOP. with OTHER UNIONS</i>	<i>13 093</i>	<i>23 500</i>	<i>25 143</i>	<i>70 500</i>

	EXPENDITURE (cont'd)	2010 (EUR)	2011 (EUR)	2012 (EUR)	2010 - 2012 (EUR)
R	EXECUTIVE COMMITTEE				
R1	EXECUTIVE COMMITTEE MEETINGS	52 399	19 172	23 078	143 000
R1	EXECUTIVE COMMITTEE EXPENSES		1 485		143 000
R2	OFFICERS' MEETINGS	12 115	12 189	10 292	25 500
R3	OFFICERS' EXPENDITURE	46 392	36 149	33 678	
R4	PRESS-OFFICE		12 996	2 949	18 700
	<i>total EXECUTIVE COMMITTEE</i>	<i>110 906</i>	<i>81 991</i>	<i>69 997</i>	<i>325 650</i>
S	PUBLICATIONS				
S1	IAU INFORMATION BULLETIN	29 316	10 658	14 284	45 000
T	SECRETARIAT / ADMIN.				
T1	SALARIES & CHARGES	142 754	143 281	136 725	357 000
T2	TRAVEL & TRAINING COURSES	1 208	762	296	9 900
T3	OUTSOURCED TASKS	21 537	50 630	53 995	102 450
T4	GENERAL OFFICE EXPENDITURE	28 900	27 384	23 911	90 150
	<i>total SECRETARIAT / ADMIN.</i>	<i>216 976</i>	<i>222 057</i>	<i>214 925</i>	<i>694 500</i>
U1	Loss on Internal Transfers	2 117			
	total EXPENDITURE	1 105 029	809 225	845 020	2 759 274
V	total EXPENDITURE w/o 'In Transit'	888 552	701 427	809 762	2 399 741
	INCOME OVER EXPENDITURE	- 17 541	+583 494	+ 132 113	+698 066
	ASSETS IN BANK @ YEAR END	960,699	1 528 480	1 659 578	

EXECUTIVE COMMITTEE REPORT : APPENDIX II**I. IAU – PROPOSED INCOME for 2013 - 2015 (EURO, rounded)**
[XXVIII GA August 2012]

I	INCOME	2013 (EUR)	2014 (EUR)	2015 (EUR)	2013 - 2015 (EUR)
	unit of contribution	2 750	2 800	2 860	
	adjustment for inflation	2.0%	2.0%	2.0%	
	number of units	303	303	303	
A	ADHERING ORGANIZATIONS				
A1	National Member dues	833 250	848 400	866 580	2 548 230
B	GRANTS				
B4	NASL grant for ISYA (US\$30,000)	23 469	23 469	23 469	70 407
C	ROYALTIES				
C2	CUP	40 000	40 000	40 000	120 000
D	FUNDS IN TRANSIT				
D3	PPGF Fellowship (USD 50 000/yr)	39 115	39 115	39 115	117 345
F	BANK REVENUE				
		20 000	20 000	20 000	60 000
G	total INCOME	955 834	970 984	989 164	2 915 982

II. IAU – PROPOSED BUDGET OF EXPENDITURE 2013-2015 (EURO, rounded)

II	BUDGET OF EXPENDITURE	2013 (EUR)	2014 (EUR)	2015 (EUR)	2013-2015 (EUR)
M	GENERAL ASSEMBLIES				
M1	PREPARATION COSTS	10 000	15 000	32 000	57 000
M2	GRANTS GA INCL. 6 SYMPOSIA	--	--	360 000	360 000
	total GENERAL ASSEMBLIES	<i>10 000</i>	<i>15 000</i>	<i>392 000</i>	<i>417 000</i>
N	SCIENTIFIC ACTIVITIES				
N1	SPONSORED MEETINGS				
N1.1	Grants IAU Symposia outside GA	180 000	180 000	60 000	420 000
N1.2	Grants Regional IAU Meetings (RIMs)	20 000	20 000	20 000	60 000
N1.3	Co-sponsored Meetings	15 000	15 000	15 000	45 000
	<i>sub-total Sponsored Meetings</i>	<i>215 000</i>	<i>215 000</i>	<i>95 000</i>	<i>525 000</i>
N2	WORKING GROUPS				
N2.1	EC Working Groups	3 000	3 000	3 000	9 000
N2.2	Commission Working Groups	6 500	6 500	6 500	19 500
N2.2.1	CB for Astronomical Telegrams (C6)	5 000	5 500	6 000	16 500
N2.2.2	Minor Planet Center (DIII)	7 000	7 000	7 000	21 000
N2.2.3	Meteor Data Center (C22)	900	900	900	2 700
	<i>total SCIENTIFIC ACTIVITIES</i>	<i>237 400</i>	<i>237 900</i>	<i>118 400</i>	<i>593 700</i>

	EXPENDITURE (cont'd)	2013 (EUR)	2014 (EUR)	2015 (EUR)	2013 - 2015 (EUR)
O	EDUCATIONAL ACTIVITIES				
O1	Guaranteed contribution to OAD	50 000	50 000	50 000	150 000
O5	IAU-NASL International Schools for Young Astronomers	31 000	31 000	31 000	93 000
O11	co-sponsoring COSPAR Capacity Building Workshops	3 100	3 100	3 100	9 300
O12	Education & development inc. OAD programs, incl. TAD, WWDA, etc	95 000	105 000	115 000	315 000
O13	Public Outreach contribution to	25 000	25 000	25 000	75 000
	<i>total EDUCATIONAL ACTIVITIES</i>	<i>204 500</i>	<i>214 500</i>	<i>224 500</i>	<i>643 500</i>
P	FUNDS IN TRANSIT				
P3	GREUBER FELLOWSHIP (US\$ 50 000)	39 115	39 115	39 115	117 345
Q	COOP. with OTHER UNIONS				
Q1	DELEGATES, TRAVEL	7 000	7 800	8 100	23 400
Q2	DUES TO OTHER UNIONS				
Q2.1	ICSU	12 600	19 982	20 581	59 963
Q2.3	IUCAF	3 100	3 200	3 300	9 600
	<i>total COOP. with OTHER UNIONS</i>	<i>29 500</i>	<i>30 182</i>	<i>30 881</i>	<i>90 563</i>

	BUDGET OF EXPENDITURE (cont'd)	2013 (EUR)	2014 (EUR)	2015 (EUR)	2013 - 2015 (EUR)
R	EXECUTIVE COMMITTEE				
R1	EXECUTIVE COMMITTEE MEETINGS	18 000	32 000	36 000	86 000
R1.1	EC expenses other than meetings	3 000	3 000	3 000	9 000
R2	OFFICERS' MEETINGS	8 000	8 000	10 000	26 000
R3	OFFICERS' EXPENDITURE (OTHER)				
R3.1	General Secretary expenditure				
R3.1.1	GS Paris duty	1 000	1 000	1 000	3 000
R3.1.2	GS Other expenses	6 000	6 000	6 000	18 000
R3.5	Assistant General Secretary	3 500	3 500	3 500	10 500
R3.2	President	6 000	6 000	6 000	18 000
R3.3	President-elect	3 500	3 500	3 500	10 500
R4	PRESS-OFFICE	3 000	3 000	9 000	15 000
	<i>total EXECUTIVE COMMITTEE</i>	<i>52 000</i>	<i>66 000</i>	<i>78 000</i>	<i>196 000</i>
S	PUBLICATIONS				
S1	IAU INFORMATION BULLETIN	10 000	10 000	12 000	32 000

	BUDGET OF EXPENDITURE (cont'd)	2013 (EUR)	2014 (EUR)	2015 (EUR)	2013 - 2015 (EUR)
T	SECRETARIAT / ADMIN.				
T1	SALARIES & CHARGES	151 000	151 000	151 000	453 000
T2	TRAINING COURSES	2 000	2 000	2 000	6 000
T3	OUTSOURCED TASKS				
T3.1	Web/DB Development at ESO	10 000	10 000	10 000	30 000
T3.2	Data Base management at ESO	20 000	20 000	20 000	60 000
T3.3	IT Assistance in Paris	1 500	1 500	1 500	4 500
T3.4	Personnel Administration	2 000	2 000	2 000	6 000
T3.5	Accounting & SAGE sub.	4 000	4 000	4 000	12 000
T3.6	Auditing	6 000	6 000	6 000	18 000
T3.7	Legal Fees	4 000	2 000	2 000	8 000
T3.8	Mi-Voice e-voting	2 500	2 500	2 500	7 500
	<i>sub-total office support costs</i>	<i>52 000</i>	<i>50 000</i>	<i>50 000</i>	<i>152 000</i>
T4	GENERAL OFFICE EXPENDITURE				
T4.1	Post	1 800	1 800	1 800	5 400
T4.2	Telephone and Internet	3 000	3 000	3 000	9 000
T4.3	Rent (INSU/IAP)	4 300	4 450	4 600	13 350
T4.4	IT Software & hardware	1 500	1 500	1 500	4 500
T4.5	Copier/Printer, rental, consumables and maintenance	10 000	10 000	10 000	30 000
T4.6	Office Consumables	1 500	1 500	1 500	4 500
T4.7	Miscellaneous items books, posters, etc	1 500	1 500	1 500	4 500
T5	Bank Charges	6 000	6 300	6 500	18 800
	<i>sub-total General Office expenditure</i>	<i>29 600</i>	<i>30 050</i>	<i>30 400</i>	<i>90 050</i>
	<i>total SECRETARIAT / ADMIN.</i>	<i>232 600</i>	<i>231 050</i>	<i>231 400</i>	<i>694 500</i>

BUDGET OF EXPENDITURE (cont'd)	2013 (EUR)	2014 (EUR)	2015 (EUR)	2013 - 2015 (EUR)
total EXPENDITURE	815 115	843 747	1 126 296	2 785 158
total INCOME	955 834	970 984	989 164 640	2 915 982
INCOME OVER EXPENDITURE	+ 140 719	+ 127 237	- 137 132	+130 824