FAI Annual Report 2012

FAI – Fédération Aéronautique Internationale
FAI – The World Air Sports Federation
There is little doubt that 2012 will be remembered as a year of significant challenges, changes and successes for the FAI and the air sports community. The outstanding performances of our athletes in a great variety of competitions, the new sponsorship by Breitling, the creation of the FAI Air Sports Marketing and Events company FAME, the work achieved in Anti-Doping and the worldwide impact of Felix Baumgartner’s world record jump from the edge of space are just a few examples to prove it.

Indeed, amongst all the great events that punctuated the year, the feat achieved by the parachutist Baumgartner will be engraved in the memories of millions of people. His jump, which had us all mesmerised, showed that the days of pioneers are not gone – it is an inspiration for all of us to follow our dreams.

Along the same lines, another exceptional air sport man took pride of place this year: John Dickenson, who was awarded the FAI Gold Air Medal 2011 for being at the origin of the modern hang glider.

On the competition side, the success of the Mondial 2012 (World Parachuting Championships) in Dubai, with more than 1,400 competitors, and also the many other FAI events all around the world, is truly remarkable. Furthermore, all our air sports are making moves to encourage more women and youngsters to participate in even larger numbers and to create and improve existing formats of events to thrill competitors, the media and the crowds alike.

To promote air sports, increase their visibility and attract more spectators to existing and new events are not only some of the FAI’s main missions, but also its main challenges. There is room for improvement, and we must give ourselves the financial means and proper tools to reach our objectives. In that perspective, in 2012 the FAI took two decisive steps the impact of which will be felt by the whole federation for many years to come: the creation of FAME and the Regional Management Structure.

With FAME, the FAI will be able to create new or special types of competitions and ensure their promotion while finding sources of finance for their development. Our Regional Management Structure has already been implemented in two regions, namely East & South Asia and South America, and has proved successful particularly regarding the Asian Beach Games and the recruitment of new Members in Asia. It aims to establish regional presence to better promote air sports and the FAI, and to improve our service to FAI Members.

Our objective for the future is to make use of these two levers for growth to reach tangible results in the short term. Our new sponsorship agreement with Breitling, a highly respected Swiss watch brand we are very proud to be associated with, will certainly also contribute to moving the FAI forward.

Other 2012 initiatives such as the creation of the Expert System will bear fruit in the future. The topics dealt with by our new Expert Groups include the improvement of our database, the development of real time tracking at events, the response to shrinking airspace for air sports activities and the collaboration with EASA through Europe Air Sports to find solutions to reach the highest affordable safety levels.

The Fédération Aéronautique Internationale, FAI – The World Air Sports Federation, was founded in 1905. It is a non-governmental and non-profit making international organisation recognised by the IOC with the basic aim of furthering aeronautical and astronautical activities worldwide, ratifying international records and coordinating the organisation of international competitions. After over a century of steady growth, FAI is now an organisation of more than 100 member countries, forming a strong network linking all those who participate in air sports worldwide.

About the FAI
A much-discussed topic in the air sports community in 2012 was Anti-Doping. I would like to remind you here of the main reasons for, and advantages of, Anti-Doping within our federation. Indeed, this is much more than just about applying anti-doping rules; firstly, we want fair competition between all our athletes; secondly, our compliance with the World Anti-Doping Agency procedures is one of the requirements for IOC recognition. Such recognition is essential for the FAI and its Members as it allows participation in multi-sports events such as The World Games or the Asian Beach Games. IOC recognition also means being part of the Olympic family and promoting the Olympic values to which the FAI, host cities, sponsors and financial partners attach great importance.

I take this opportunity to welcome our new Members: Jordan (Active); Panama, St Kitts and Nevis, Tunisia, Uruguay (Associate); Vietnam (Temporary); COLPAR (International Affiliate).

But let us not forget that many of these achievements could not have happened without the dedication of the event organisers, the volunteers and the FAI Head Office staff who provided their time and energy to our air sports and the FAI. Thank you to all of you!

Please enjoy this new Annual Report format and let us know what you think of it!

Dr. John Grubbström
FAI President
Air Sport Commissions
Aerobatics
CIVA

www.fai.org/aerobatics
→ CIVA YOUTUBE CHANNEL

No less than 5 world and continental Aerobatics championships took place in 2012 with a growing total number of pilots, to the benefit of competition level Aerobatics. Since there are numerous possibilities in Aerobatic competitions, the Commission is looking into ways of creating new competition formats in collaboration with FAME. Efforts are also put into facilitating the judges’ work by developing new electronic support devices for them.

“More and more pilots are participating in Aerobatics championships”

CHAMPIONSHIPS
− 3rd FAI World YAK 52 Aerobatic Championship in Bolshoe Gryzlovo (RUS) → PHOTOS → VIDEOS
− 10th FAI World Advanced Aerobatic Championships in Nyiregyhaza (HUN)
− 15th FAI World Glider Aerobatic Championships in Dubnica nad Váhom (SVK) → PHOTOS → VIDEOS
− 3rd FAI World Advanced Glider Aerobatic Championships in Dubnica nad Váhom (SVK) → PHOTOS
− 18th FAI European Aerobatic Championships in Dubnica nad Váhom (SVK) → PHOTOS

The Advanced category has continued to grow and is now the largest championships (single category); the 10th FAI World Advanced Aerobatic Championships were some of the largest FAI championships ever held with more than 80 pilots. Glider Advanced has also grown; there were 31 competitors in Glider Advanced in 2010 and 38 this year.

However the number of pilots competing in the highest category, Unlimited, has decreased in the last couple of years due to very high costs and demands. The limited number of entries also creates a financial challenge for championship organisers.

The 15th FAI World Glider Aerobatic Championships and the 3rd FAI World Advanced Glider Aerobatic Championships were held at the same time and airfield to facilitate their organisation.

The 18th FAI European Aerobatic Championships in Dubnica nad Váhom, Slovakia, became the first event at which FAI new sponsor Breitling was present. This marked the start of what we hope will be a long collaboration with FAI’s Global Sponsor.

FAI SPECIAL AEROBATIC EVENTS (FSAE’S)
The Commission is looking to work with FAME, the FAI Air Sports Marketing and Events company, on non-traditional formats of Aerobatics events.

ARESTI CUP
The Aresti Cup, donated by Col. Jose L. Aresti of Spain to the FAI in 1964, is presented to the World Aerobatic Champion. It is the most prestigious Aerobatics award given in competition and also a work of art; it was created in silver with gold embellishments and featuring gold coins around its diameter symbolising Member Nations of the FAI.

The Aresti Cup is now under restoration. A smaller replica was presented at the Annual Meeting and handed over to the Russian Delegation to be presented to Mikhail Mamistov, the reigning World (and European) Champion from the 26th FAI World Aerobatics Championships in 2011.

MEETING
The Delegates of the Commission met in Lausanne on 3 and 4 November 2012.
In 2012 the FAI Aeromodelling Commission was very active on the competition stage: a great number of FAI sanctioned events of all classes were organised in all four corners of the earth, involving – and this is Aeromodelling’s real strength – a high number of participants of all ages. For Spacemodelling it was a particularly significant year with the celebration of its 50th anniversary in the FAI, an occasion marked by the awarding of special diplomas.

**CHAMPIONSHIPS & EVENTS**

- 2012 FAI World Championships for Scale Model Aircraft at Santa Cilia Airfield (ESP)
- 2012 FAI World Championship for Soaring Model Aircraft in Johannesburg (RSA)
- 2012 FAI World Championships for Free Flight Model Aircraft in Belgrade (SRB)
- 2012 FAI World Championships for Control Line Model Aircraft in Pazardzik (BUL)
- 2012 FAI World Championships for Space Models in Liptovsky Mikulas (SVK)
- 2012 FAI World Championships for Electric Model Aircraft in Buzau (ROU)
- 2012 FAI World Championship for Soaring Model Aircraft in Kap Arkona, Rügen (GER)
- 2012 FAI Junior World Championships for Free Flight Model Aircraft in Mengesko-Kamnisko polje (SLO)

7 continental championships (5 European, 1 Asian and 1 Asian-Oceanic) took place in 2012.

In addition to the world and continental championships, more than 300 Category 2 events which include world cups, international or open events were held all around the world.

50TH ANNIVERSARY OF SPACEMODELLING IN THE FAI

In celebration of the 50th Anniversary of Spacemodelling in the FAI, organisations and individuals that have greatly contributed to the development of this activity were awarded the "50th Anniversary of Spacemodelling in the FAI" Diploma. The Awards Ceremony took place on Friday 20 April 2012 in Lausanne, Switzerland, in the presence of FAI President John Grubbström who presented the diplomas to the recipients, together with CIAM Spacemodelling Sub-Committee Chairman Srdjan Pelagic.

**SCHOLARSHIP**

The Aeromodelling Scholarship may be awarded to one appropriately qualified person between the ages of 16 and 21 in the year of nomination to help with the education of the successful nominee.

Three candidates submitted applications for the second Aeromodelling scholarship which is worth €2,000.

The Selection Committee unanimously voted to award it to Johannes Seren from Germany.

**TROPHIES**

The New Zealand National Airsport Control offered two new trophies (individual and team) to be awarded for the F3K (Hand-launched Gliders) world championships.

**MEETINGS**

The Annual Meeting of the Commission took place in Lausanne, Switzerland, on 20 and 21 April 2012. It was preceded by a Bureau Meeting on 19 April 2012. The Bureau met for a second time on 7 and 8 December 2012 at the same location.
2012 was the first year in which the FAI Amateur Built and Experimental Aircraft Commission met after becoming an Air Sport Commission. This conversion is significant and implies a change of philosophy, as the Commission must now look to organise competitions, oversee records and take a leading role in the development of new CIACA disciplines.

This new status has sparked a lot of new exciting ideas and projects within the Commission, which has the unique opportunity to develop a new and very promising sport from the very beginning. The first human-powered aircraft event sanctioned by the FAI is already on the horizon for 2013, but many other types of events are currently being considered.

Apart from developing new activities and competitions, the Commission aims to widen its presence amongst the FAI Members all around the world.

**EVENTS**

In most Member Countries there are fly-ins which include contests that are based on the following criteria:

- Most beautiful home built Aircraft
- Best plan-built Aircraft
- Best kit-built Aircraft
- Most innovative Aircraft
- Outstanding Workmanship
- Longest Distance to join the Fly-in
- Best-built Rotorcraft
- Best Restoration

The first FAI sanctioned human-powered aircraft competition is planned to take place in England in 2013.

The Commission is working with the FAI General Air Sport Commission (CASI) to develop rules for this event, as well as for activities and competitions linked to the following types of planes:

- Solar & Human-powered
- Kit-built
- Restored & Historical
- Electrical, Economic & Liquid Gas
- Prototypes

Rules will have to determine the exact nature for such competitions, for example duration or distance.

**RECORDS**

The Solar-Impulse project of flying a solar-powered aircraft around the world has created a new challenge for the Commission and CASI, as well as for the rules regarding this new type of flights. The Commission is working on developing the rules to accommodate not only Solar Impulse but also other forms of solar flights, as it is an area which will only grow in importance.

**WORKING GROUPS**

Three Working Groups were founded to work on specific projects and make proposals to the Commission:

- Education, including Finance
- New Power Sources and Technologies
- CIACA Sporting Code

**MEETING**

The Delegates of the Commission met in Friedrichshafen, Germany, on 22 April 2012.

“The first FAI sanctioned human-powered aircraft competition is planned to take place in England in 2013. The Commission is working with the FAI General Air Sport Commission (CASI) to develop rules for this event, as well as for activities and competitions linked to the following types of planes:

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Rules will have to determine the exact nature for such competitions, for example duration or distance.”
For the last few years the FAI Ballooning Commission has been encouraging the participation of women and juniors in competitions. The newly created junior event category was very well received, as confirmed by the success of the 1st FAI Junior World Hot Air Balloon Championship in 2012. The high level of participation in this event, along with that of the second edition of the Women’s FAI European Championship, is a sign that competitive ballooning is growing and promises a significant increase in the number of new competitors taking part in continental and world championships in the future.

CHAMPIONSHIPS & EVENTS
- 56th Coupe Aéronautique Gordon Bennett in Ebnat-Kappel, Toggenburg (SUI) → PHOTOS
- 20th FAI World Hot Air Balloon Championship in Battle Creek, Michigan (USA) → PHOTOS
- 1st FAI Junior World Hot Air Balloon Championship in Marijampole (LTU) → PHOTOS
- 2nd FAI Women’s European Hot Air Balloon Championship in Frankenthal (GER) → PHOTOS

As well as these world and continental championships, 4 other international events sanctioned by the FAI took place in 2012.

YOUTH CAMP
The Commission agreed to support the 12th International Youth Camp in Stuttgart, Germany, with a donation of 2000 Euros to assist in the promotion and operation of the camp.

The camp welcomes all young people who want to fly in a balloon and experience a summer tent youth camp in Germany. The program consists of activities such as hot-air and gas ballooning, balloon chasing and retrieving, introduction to the safety of ballooning and model ballooning.

“Women and juniors are encouraged to participate in Ballooning competitions”

CIA COMPETITION LOGGERS
The CIA competition loggers are very appreciated by competitors, officials and organisers. Due to the high demand for these devices at many international and national Ballooning sporting events, the Commission completed the purchase of their target number of 120 CIA competition loggers to enable it to supply the largest CIA championship events.

CIA HALL OF FAME
The Selection Committee of the CIA Hall of Fame, which recognises those who have made significant contributions to Ballooning (including those who have excelled in business, history, design and engineering, in addition to those better known for their contributions in flying balloons or airships of any category, in competition or records), accepted the new following nominations:
- Tom Sheppard, USA
- Janet Folkes, GBR (posthumous)
- Isaburo Yamada, JPN (posthumous)

The 2011 inductees are:
- Thomas Sheppard, USA
- Tony Fairbanks, USA (posthumous)

MEETINGS
The 2012 Annual Meeting of the Commission was held on 23-24 March 2012 in Birstonas, Lithuania. The Bureau Meeting took place at the same place on 20 and 22 March 2012.
2012 will go down as a milestone for the FAI General Aviation Commission with the first ever International Air Navigation Race, a public and media friendly competition. This new type of competition, combined with the creation of a second competition category in Rally Flying and the reduced length of navigations is part of a wider strategy of the Commission to entice new pilots and countries to join the General Aviation community.

CHAMPIONSHIPS & EVENTS

- 18th FAI World Rally Flying Championship in Castellón (ESP)
- 2012 ANR & PF Swiss Championships in Alpnach (SUI)

RALLY AND PRECISION FLYING

The Commission decided to create a second class in Rally Flying with the aim of attracting new competitors and countries to international events. This would allow newcomers to gradually progress, gain experience and improve their skills and then to upgrade to top level competition.

AIR NAVIGATION RACE (ANR)

The 1st International Air Navigation Race took place in Bitburg, Germany. It is a type of parallel slalom for two to four planes with competition rounds from quarter finals onwards. Each crew is assigned a narrow corridor and receives penalties for flying outside of the boundaries and for time gaps when crossing the start line and finish line. The competition can include a precision landing contest.

The rules for the ANR have been designed to be easy to understand by pilots as well as by media and spectators. The departure of several aircraft at the same time, the real-time display of penalty points and tracking of parallel slaloms and the short duration of each round (completed in about 15 minutes) make the competition exciting for the pilots and the crowd alike.

Each team can train for ANR flights at their home base using the ANR Scoring & Visualisation Software available for download on the FAI website at www.fai.org/gac-our-sport/air-navigation-race. This allows newly licensed pilots to practise this form of air racing in their own aircraft. ANR competitions, as well as that of all types of General Aviation, help pilots to quickly improve their skills to ultimately make them better and safer pilots.

ANR demonstrations will be introduced in 2013 at the 9th FAI European Rally Flying Championship in Slovakia and at the 21st FAI World Precision Flying Championship in Germany.

RECORDS

Electric-powered airplane records were made part of the General Aviation Sporting Code, which allows aircraft that are propeller driven and powered solely by an electrical motor to establish records ratified by the FAI.

MEETING

The Members of the Commission met in Larnaca, Cyprus, on 3 November 2012.
2012 was a prosperous year on Gliding airfields with a significant increase in the number of competitions. The running of the most important event of the year, the 32nd FAI World Championships in Uvalde, USA, was entirely satisfactory with record speeds and distances flown in the extraordinary conditions the venue provided. Aside from these championships, the Commission, in collaboration with OSTIV, has increased its focus on safety at events in the recent years, and the creation of the OSTIV Safety Award in 2012 was a major achievement of the efforts in that field.

CHAMPIONSHIPS & EVENTS

− 32nd FAI World Gliding Championships in Uvalde, Texas (USA) → PHOTOS → VIDEOS
− 3rd FAI South American Gliding Championships in Adolfo Gonzalez Chávez (ARG)

The 32nd FAI World Championships in the Open, 18 meter, and 15 Metre classes in Uvalde featured extraordinary soaring conditions that enabled 13 contest days. Task lengths were set daily with long distances flown, sometimes exceeding 700 km. The speeds achieved were very high, with the fastest average speed on one day at 161 km/h.

As for the 3rd FAI South American Gliding Championships, the competition provided the opportunity for pilots to learn about the local conditions and topology ahead of the 32nd FAI World Gliding Championships, in World, Standard and Club classes in 2013.

Apart from these 2 world and continental championships, more than 80 FAI sanctioned Gliding events took place in 2012.

FAI WORLD SAILPLANE GRAND PRIX SERIES

The following qualifying events for FAI World Sailplane Grand Prix series of 2012-2013 took place in 2012:

− Lake Keepit (AUS)
− Potchefstroom (RSA)
− Ghimbav-Brasov (ROU)

The final will be competed in May 2014 at the 2014 FAI World GP Gliding Championship in Sisteron, France.

ON-LINE CONTEST

The activity level for the On-Line Contest (OLC), the world’s largest decentralised soaring contest, continued at a very stable level in 2012 with 14,083 participants achieving a total distance of 29,539,927 km.

SAFETY

The Safety Pays Working Group, tasked with trying to find innovative ways to focus competition pilots on safety, enacted its first initiative in 2012 with the creation of the OSTIV Safety Award. This award was established in time for the 32nd FAI World Gliding Championships in Uvalde, USA. Pilots were given a list of safety features for the sailplane and their personal abilities and points were awarded during the pre-competition examination period. The winner of the 2012 OSTIV Safety Award was Wolfgang Janowitsch from Austria.

MEETINGS

The Delegates of the Commission met in Potchefstroom, South Africa, from 2 to 3 March 2012. The Bureau Meeting took place in Frankfurt, Germany, on 20-21 October 2012.

“2012 saw a significant increase in FAI sanctioned Gliding events”
In both Hang Gliding and Paragliding, activity was strong in 2012 with more than 8,500 pilots registered in the World Ranking Database to compete in almost 300 FAI sanctioned events. The growing interest for these air sports is particularly visible in the Eastern part of the globe, which saw for the first time Asian Paragliding Accuracy pilots test their skills at a continental Championship.

CHAMPIONSHIPS & EVENTS
In 2012 the Commission oversaw 5 Category 1 events:

- 18th FAI European Hang Gliding Class 1 Championship in Kayseri (TUR)
- 3rd FAI Asian Paragliding Championship in Linzhou (CHN)
- 1st FAI Asian Paragliding Accuracy Championship in Wai-ao (TPE)
- 3rd FAI European Paragliding Accuracy Championship in Ohrid (MKD)
- 12th FAI European Paragliding Championship in Saint-André-Les-Alpes (FRA)

In addition, a total of 217 Paragliding and 64 Hang Gliding Category 2 events were held in 2012, including 4 Test Events for world championships and the 2013 World Games.

WORLD XC ONLINE CONTEST (WXC)
The Commission has been running World XC Online contest as a test for some years and 2011 was the first official contest season. The 2012 season which ended on 30 September had approximately 6,000 pilots participating in 14 national and international online contests, with pilots from 65 nations and about 70,000 flights (tracklogs) this season alone. The longest registered flight was 332 km.

SAFETY
Paragliding safety has been the most important and debated part of the Commission’s activity in the last few years. At the 2011 Annual Meeting, the Bureau decision from July 2011 to accept only certified Paragliders in Category 1 competitions was confirmed and changes in the Sporting Code were established at the Annual Meeting to enforce that decision. However the Commission also announced their intention to work towards new competition class paragliders with a target date of 2014.

Ensuring that pilots flying in Category 1 events have top level skills, finding ways of slowing down the last leg of tasks are also amongst the Commission’s priorities. Proposals to the coming Annual Meeting have been made.

RECORDS
New world and continental records have been set by pilots of various Hang and Paragliding classes in the past year, including a Hang Gliding 764 km straight flight. It is now possible to claim a continental record separately from a world record. The Commission will continue to promote continental records in the coming years.

MEETINGS
The Members of the Commission met on 18-19 February 2012 in Yilan County, Chinese Taipei. This meeting was preceded by a Bureau Meeting on 16-17 February. The Bureau also met in November in Reykjavik, Iceland.

“More than 8500 pilots competed in almost 300 FAI sanctioned events”
Spain hosted the 13th FAI World Microlight Championships in early August 2012 at Marugán to the west of Madrid, followed by the 7th FAI World Paramotor Championships in the same location in late August. The general consensus among participants in both events was that they were possibly two of the best world championships ever. The first appearance of Paramotors at the Asian Beach Games also proved to be a success and was notable for the implementation of an instant scoring system.

CHAMPIONSHIPS & EVENTS
− 13th FAI World Microlight Championships in Marugán (ESP)
− 7th FAI World Paramotor Championships in Marugán (ESP)

The 7th FAI World Paramotor Championships saw 119 pilots in 101 aircraft from 17 nations. Paramotors are relatively easy to transport and participant numbers are on the increase; this year the championships included competitors for the first time from India and Malaysia. The 13th FAI World Microlight Championships were well attended with 91 pilots in 49 aircraft from 12 nations. It saw the introduction of the Microlight Autogyro classes which gave Autogyro pilots their first ever opportunity to compete for FAI medals. The consensus among organisers, officials and pilots was that this was a success; they flew all the same tasks as the other classes and generally integrated very well into the event with no need for any special arrangements to be made.

− 3rd Asian Beach Games in Haiyang (CHN)

The 3rd Asian Beach Games was the first foray by the Commission into the world of multi-sport games with the Paramotor event, which was granted Category 1 status. The Games were generally considered a great success. There were well over 1,000 athletes in the 13 different sports which made up the Games; 30 pilots from 7 nations competed in the 5-day Paramotor event.

“Successful introduction of instant scoring system”

A new scoring system developed with Swiss Timing was used for the first time. It displayed a pilot’s performances on large screens the moment they passed the finish line, maintained the general scoring, and could simultaneously insert appropriate captions into live TV feeds. This increased the interest to spectators, especially in the final task where it came down to the last person who landed being awarded a gold medal.

On top of these competitions, 7 Category 2 events took place in 2012.

WORLD LEAGUE CUP
The Commission introduced this new concept at its 2010 Annual Meeting on a continental basis, initially just for Paramotors. The objective is to encourage pilots to travel more between open national events by linking their results. The Commission Annual Meeting extended its support for the concept into 2012, still just for Paramotors, but on a world basis. 163 pilots from 22 nations participated in 6 events, two of them in Asia.

MEETING
The Delegates of the Commission met from 8 to 10 November 2012 in Lausanne, Switzerland.
2012 saw the largest ever Parachuting competition with the Mondial in Dubai. The combined factors of the high participation, favourable weather conditions, high quality of the infrastructure, the impressive level of the competition and the presence of every single parachuting competitive discipline contributed to the great success of this event, which will serve as a benchmark for future Parachuting competitions. Parachuting was also on everyone’s lips this year thanks to the extraordinary feat achieved by Felix Baumgartner who jumped from a pressurised capsule attached to a helium balloon from the edge of space, thus breaking the Exit Altitude, Vertical Distance of Freefall and Maximum Vertical Speed world records. On the event organisation side, the FAI Parachuting Commission created IPETA (International Parachuting Events & Tours Association) to implement a Canopy Piloting World Series.

CHAMPIONSHIPS & EVENTS

− European Championships and World Cups in Formation Skydiving and Artistic Events in Prostejov (CZE)

The competition was smoothly run; OmniskoreHD, a new scoring system which provides the judges with a high-quality judging image, was successfully introduced.

− Mondial 2012 – FAI World Parachuting Championships in Dubai (UAE)

Aside from these competitions, the 2013 World Games Test Event took place in Cali, Colombia, featuring the Parachuting discipline of Canopy Piloting; as well as 2 regional events.

IPC WORLD RANKING LISTS

Ranking lists based on countries’ standings were established for all championships and all parachuting disciplines to encourage greater participation and National Air Sports Controls (NACs) to organise more regional championships. The objective is to give jumpers outside Europe the possibility to compete and countries to be ranked without having to travel outside their region.

The points earned by the NACs after each championship depend on:

− The results of the event
− The importance of the event
− The year the event took place

IPETA

The Commission created the International Parachuting Events & Tours Association (IPETA), a commercial enterprise so that non-traditional IPC events such as a world series competition for Canopy Piloting could be promoted commercially.

INDOOR EVENTS – WIND TUNNEL

The growing success of indoor events, their media friendly format and the new possibilities they offer in terms of records led the Commission to establish a Working Group to assess the possibility for integration into IPC.

MEETING

The Annual Meeting of the Commission took place on 11-12 February 2012 in Buenos Aires, Argentina.
Offering exciting events to competitors and spectators alike, providing more opportunities for helicopter schools and encouraging young people to enter competitions were the main objectives of the FAI Rotorcraft Commission in 2012. These were fulfilled in two ways: firstly by the success of the 14th FAI World Helicopter Championship where the pilots impressed the large crowd by demonstrating their talents in classic tasks and, for the first time, in Helicopter Racing; and secondly by the creation of the FAI On-line Helicopter Competition which gives the opportunity to Helicopter pilots – and in particular to youngsters - from all around the world to pit their skills against each other in an exciting and easy to organise competition.

"The 14th FAI World Helicopter Championship was a great success"

CHAMPIONSHIP
14th FAI World Helicopter Championship at Drakino Airfield (RUS)

Both the Opening and Closing Ceremonies were well attended by the public. The competition attracted the return of China and Poland with the first participation by Belgium and the Netherlands. The presence of young pilots was welcomed, the youngest competitor being 17 years old.

HELICOPTER RACING
The 14th FAI World Helicopter Championship included the launch of Helicopter Racing. This new type of competition will be further developed thanks to the great interest and warm reception by the competitors and the crowd.

FAI ON-LINE HELICOPTER COMPETITION
In April 2012, the FAI On-line Helicopter Competition (www.fai.org/cig-our-sport/fai-on-line-helicopter-competition) was launched. Its concept is deliberately simple: a crew consisting of a pilot and a single bucket operator issue a challenge by internet or direct email to another crew outside the challenger’s country. If the challenge is accepted, the crews agree on a date for the challenge to take place. A CIG International Judge or a National Airsport Control (NAC) representative observes and ratifies the challenge to ensure that the rules are respected. The full details and the photographic evidence are sent by each crew to the CIG-Official Judge and to their opponents. Once approved, the results are published on the FAI/CIG web page.

There is no limit to the number of challenges that a crew can make in the course of a calendar year, provided that the number of scored attempts in the same day is not greater than three.

HELICOPTER EMERGENCY MEDICAL SERVICE (HEMS) AWARD
The Commission is developing the possibility of promoting a concept of special FAI recognition of leading hospitals and their respective helicopter crews, jointly with the FAI Medico-Physiological Commission. Proposals will be made by the two Commissions for the criteria for FAI Recognition by way of a diploma or plaque with the criteria being reassessed every 4 years. The award proposal will be brought forward after March 2013.

MEETINGS
The 2012 Annual Meeting of the Commission was held on 8 and 9 March 2012 in Lausanne, Switzerland. The Bureau Members met in Drakino, Russia, on 24 and 25 August 2012.
The subjects discussed by the FAI Astronautic Records Commission in 2012 were noticeably different from previous years after the termination of the Space Shuttle program. Discussion took place on the various private initiatives in space exploration and servicing the International Space Station.

**SERGEY KRIKALEV’S WORLD RECORD**
Russian pilot-cosmonaut Sergey Krikalev gained the world record of Accumulated Space Flight time —— by spending in total 803 days 9 h 39 min 9 sec in space within the period from 1988 to 2005.

This space flight time was achieved during his flights on board the orbital station “Mir” (Russia), Space Shuttles “Discovery” and “Endeavour” (USA), the International Space Station and manned transport vehicles “Soyuz TM” and “Soyuz TMA”. This record was completed on 11 October 2005 after his sixth space flight.

Despite the record claim not adhering strictly to the Sporting Code, the Commission was particularly keen to recognise his performance and ratified the world record which hasn’t been superseded as at 2012.

**“Krikalev’s record of Accumulated Space Flight Time was ratified”**

**MEETING**
The Annual Meeting of the Commission took place in Lausanne, Switzerland, on 27 April 2012.

**“The Commission is working on an Appeal Procedures Manual”**

**DOWN-WEIGHT**
The Commission discussed research into the problem of down-weight — bringing waste back to Earth. While most spacecraft are designed to carry loads into space, many are incapable of returning unwanted objects back to Earth. There are numerous initiatives around the world addressing this problem.

**MEETING**
The Annual Meeting of the Commission took place in Antalya, Turkey, on 18 October 2012.

In 2012 the FAI Air Sport General Commission continued in its role to further the unity of all air sports within FAI through the implementation of the FAI Statutes, By-Laws and Sporting Code.

Its specific mandate includes:

- Seek to further the development of air sports
- Establish and keep current the General Section of the Sporting Code
- Advise the General Conference on appropriate measures to develop and encourage air sports which appear to be outside the mandate of existing FAI Commissions
- When so directed by the Executive Board, serve as the FAI final court of appeal in all disputes or difficult cases concerning international sporting events and record attempts
- In the event of an appeal against a decision relating to a dispute of a sporting nature, investigate whether the appeal should be accepted and, if in the affirmative, establish an International Appeals Tribunal
- Carry out other tasks related to air sports as assigned by the General Conference or the Executive Board

**INTERNATIONAL APPEALS TRIBUNAL**
The Commission is revamping the FAI appeals procedure and has drafted an Appeals Procedures Manual to give clear instruction to the tribunal as to how to conduct its work. The Manual will be further reviewed in 2013.

In 2012 the FAI Air Sport General Commission continued in its role to further the unity of all air sports within FAI through the implementation of the FAI Statutes, By-Laws and Sporting Code.

Its specific mandate includes:

- Seek to further the development of air sports
- Establish and keep current the General Section of the Sporting Code
- Advise the General Conference on appropriate measures to develop and encourage air sports which appear to be outside the mandate of existing FAI Commissions
- When so directed by the Executive Board, serve as the FAI final court of appeal in all disputes or difficult cases concerning international sporting events and record attempts
- In the event of an appeal against a decision relating to a dispute of a sporting nature, investigate whether the appeal should be accepted and, if in the affirmative, establish an International Appeals Tribunal
- Carry out other tasks related to air sports as assigned by the General Conference or the Executive Board

**FAI MEDAL POLICY**
The Delegates agreed on a new FAI medal policy, which allows Event Organisers to use FAI medals or medals from their own suppliers providing that they meet FAI specifications.
2012 was a year of change for the FAI Airspace and Navigation Systems Commission, as it saw its area of work taken over by two of the newly created Expert Groups, the Airspace Expert Group and the Navigation Expert Group. The dissolution of the Commission, which followed the new FAI strategy to create management tools servicing the FAI Executive Board and the whole community, formally took place at the FAI General Conference.

INTERNATIONAL COMMITTEE ON GNSS (ICG)

The FAI became an Associate Member of the International Committee on GNSS (ICG), which deals with GNSS systems such as GPS and with Satellite-Based Augmentation Systems (SBAS).

INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO)

Following the observation that ICAO recommendations to Authorities such as the Federal Aviation Administration (FAA) and the European Aviation Safety Agency (EASA) were crucial but often did not take general aviation and sport aircraft into account, the decision was taken to improve the relationship between the FAI and ICAO. This matter was transferred to the new appropriate Expert Group which resulted in an official letter to the ICAO President.

MEETING

The last Annual Meeting of the Commission took place on 25 and 26 April 2012 in Lausanne, Switzerland.

RECOMMENDED MUSEUMS PROGRAM

The application of the National Model Aviation Museum (www.modelaircraft.org/museum/museuminfo.aspx) to be part of the FAI Recommended Museums Program was approved by the Delegates at the General Conference. The National Model Aviation Museum is located in Muncie, Indiana (USA). It tells the story of model aviation and of the people involved from the 18th century onwards and displays archives, library material and a collection of objects.
In 2012 the FAI Environmental Commission continued in its mission to raise awareness of environmental issues amongst the air sport community. Several projects are on the way, including the introduction of environmental commitments by competition organisers of all air sports and the creation of an FAI Environmental Award. The Commission is also bringing its help and expertise to FAI Members to facilitate the distribution of environmentally-oriented messages and the setup of projects in that field.

COMPETITIONS

The Commission continued discussing a way to make competitions more environment-friendly.

In accordance with the FAI Environmental Code, the FAI Gliding Commission already requires international championship organisers to include environmental commitments signed by both the bid and an environmental leader. This improvement needs to be extended to all the Air Sport Commissions.

FAI ENVIRONMENTAL AWARD

The creation of an FAI Environmental Award was proposed to reward individuals or organisations that have contributed significantly to the defence of and respect for the environment affected by air sports. The activities could include: scientific research, private, public or commercial events or activities, developed or promoted directly by pilots, sport flying clubs, National Airsport Controls or public or private bodies, such as small and medium enterprises. A written proposal will be implemented jointly.

FAI ENVIRONMENTAL AWARD

The Delegates of the Commission met on 11 February 2012 in Lausanne, Switzerland.

MEETING

The Delegates of the Commission met on 11 February 2012 in Lausanne, Switzerland.

COLLABORATION WITH INTERNATIONAL MOTOR SPORT FEDERATIONS

The purpose of the collaboration with other International Motor Sport Federations is to share knowledge and to develop joint environmental and alternative energy projects. Their 2012 Annual Meeting sketched potential projects to be implemented jointly.

FUEL SITUATION

Discussions began with EAA (Experimental Aircraft Association) fuel experts regarding fuel emissions and continuing availability of 100LL fuel.

MEETING

The Delegates of the Commission met on 11 February 2012 in Lausanne, Switzerland.

In 2012 the FAI Medico-Physiological Commission focused on current aero-medical health issues and reviewed the development of human factors in accident reports of different air sports. On-going rulemaking processes demanded specialist opinion and advice from the Commission:

1. For EASA on the new Aeromedical Licensing System.
2. For WADA (World Anti-Doping Agency) on the adaptation of the new Anti-Doping processes.
3. CIMP initiated the deletion of a drug from the WADA prohibited list.

AEROMEDICAL EXAMINATION

The European Aviation Safety Agency (EASA) Medical Expert Group includes Members from the CIMP Commission. Substantial arguments were brought forward in this forum to keep the new EASA Aero Medical Examination (AME) and Licensing System in some disciplines below Class II and ICAO standards, to achieve more flexibility for waivers and to minimise evaluations for air sport pilots.

The new standardised 2012 EASA Light Aircraft Pilot Licence (LAPL) has reduced some requirements. Nevertheless controversies remain; FAI is a worldwide organisation and some Delegates see this as an adverse step, instead preferring in EU a system similar to the FAA Sport Pilot Licence, which would lead to fewer groundings and less complexity and cost to air sports without hampering flight safety. Recommendations were given to produce better evidence on which regulatory policy can be based.

WADA PROHIBITED LIST

The Commission sent a recommendation to the FAI Executive Board to remove “beta-blockers” from the WADA Prohibited List, as they were considered to bring no advantage in air sports. The request was forwarded to the WADA Executive Board and duly accepted.

TUE PANEL

Therapeutic Use Exemptions applications (TUEs) were routinely decided by the FAI-CIMP TUE Panel.

SAFETY

Flight safety statistics indicate areas where greater awareness is required and operations have to be improved. “Human Factors” show a need for further considerations and additional communication. In FAI competitions safety awareness is very important. Physiological factors, e.g. pilot orientation, fitness, rest periods and time management have to be observed. Reports about “G-Forces” inducing problems in aerobatic competition flying indicate i.e. the need to better observe our specific air sport environment.

MEETING

The 2012 Annual Meeting of the Commission took place in Lausanne, Switzerland, on 9 and 10 June 2012.
Achievements & Statistics

Events & Athletes

Statistics

TOTAL EVENTS ORGANISED BY NATIONAL AIRSPORT CONTROLS (NACS) IN 2012

NUMBER OF EVENTS

EVENTS BY SPORT

Aerobatics 2008 2009 2010 2011 2012
World 2 3 2 3 2
Continental 2 1 2 1 1
Other Category 1 events 1 0 0 0 0
Category 2 events 1 2 0 2 0
Total 6 6 4 6 5

Aeromodelling 2008 2009 2010 2011 2012
World 6 6 7 7 0
Continental 6 7 4 5 7
Category 2 events 254 239 289 278 303
Total 260 252 272 230 318

Balloonng 2008 2009 2010 2011 2012
World 2 1 2 1 2
Continental 0 1 1 1 1
Other Category 1 events 4 5 3 1 1
Category 2 events 1 1 3 4 4
Total 7 8 9 6 8

General Aviation 2008 2009 2010 2011 2012
World 2 2 7 7 1
Continental 0 1 0 1 0
Category 2 events 6 5 2 0 3
Total 12

Golfing 2008 2009 2010 2011 2012
World 2 2 3 3 1
Continental 1 2 1 2 1
Category 2 events 41 46 55 54 83
Total 64 50 55 59 85

Hang Gliding 2008 2009 2010 2011 2012
World 3 1 3 1 1
Continental 1 0 1 0 0
Category 2 events 57 62 56 61 64
Total 61 63 60 62 65

Microlights & Paramotors 2008 2009 2010 2011 2012
World 0 2 0 0 2
Continental 2 0 1 0 0
Other Category 1 events 0 0 0 0 1
Category 2 events 0 1 0 0 0
Total 2 3 1 1 1

Parachuting 2008 2009 2010 2011 2012
World 6 2 7 1 6
Continental 6 2 5 1 2
Other Category 1 events 2 3 1 4 2
Category 2 events 7 3 4 4 3
Total 16 13 14 13 13

Paragliding 2008 2009 2010 2011 2012
World 0 2 0 0 2
Continental 0 0 0 0 4
Category 2 events 205 213 227 225 227
Total 206 215 230 227 221

Rotorscraft 2008 2009 2010 2011 2012
World 1 0 0 0 1
Category 2 events 1 2 2 2 1
Total 2 2 2 1 1

ATHLETES PARTICIPATION IN 2012 CATEGORY 1 EVENTS

Alberta 1
Argentina 1
Australia 3
Austria 4
Belgium 2
Bosnia and Herzegovina 1
Brazil 8
Bulgaria 1
Canada 4
China 1
Croatia 1
Czech Republic 2
Cyprus 1
Cuba 6
Denmark 1
Ecuador 1
Estonia 1
Ethiopia 1
Finland 1
France 1
Germany 1
Greece 1
Hong Kong, China 1
Hungary 1
Iceland 1
India 1
Indonesia 1
Ireland 1
Iran 1
Israel 1
Italy 1
Japan 1
Kazakhstan 1
Korea 1
Korea (People's Dem. Rep.) 1
Lithuania 1
Latvia 1
Lebanon 1
Lithuania 1
Luxembourg 1
Malaysia 1
Mauritius 1
Mexico 1
Moldova 1
Montenegro 1
Morocco 1
New Zealand 1
Norway 1
Oman 1
Philippines 1
Portugal 1
Poland 1
Portugal 1
Republika Srpska 1
Romania 1
San Marino 7
Saudi Arabia 1
Serbia 1
Singapore 1
South Africa 1
South Korea 1
South Africa 1
Spain 1
Sweden 1
Switzerland 1
Thailand 1
Turkey 1
Ukraine 1
United Arab Emirates 1
Venezuela 1
Uzbekistan 1

Table of Contents
In 2012, the FAI received almost 200 record claims from pilots and parachutists who all surpassed themselves to achieve amazing performances in an attempt to add their names to the list of records holders. This list includes prestigious air sport personalities such as Charles Lindbergh, Yuri Gagarin and, more recently, Bertrand Piccard and Steve Fossett.

Powered Aeroplane was the category in which most of the claims were made, followed by Hang Gliding and Paragliding, and Microlights and Paramotors. For Gliding, it was the first full season that continental records were ratified. The full list of 2012 records can be found on pages 54–57.

**Felix Baumgartner (AUT)**

- WORLD RECORDS
- PARACHUTING

**PERFORMANCE RECORDS**
- Maximum Vertical Speed (without drogue)
- Exit Altitude
- Vertical Distance of Freefall

On 14 October 2012 in Roswell, USA, Felix Baumgartner was carried high up into the sky in a pressurised capsule attached to a helium balloon. He exited the capsule at an altitude of 38,969.4 m and achieved a 36,402.6 m jump during which he reached the staggering speed of 1,357.6 km/h per hour.

**André Borschberg (SUI)**

- WORLD RECORDS
- EXPERIMENTAL / NEW TECHNOLOGIES

**SOLAR-POWERED AEROPLANE**
- Free Distance along a Course
- Straight Distance, pre-declared Waypoints

André Borschberg piloted Solar Impulse, a solar-powered aircraft project initiated by Bertrand Piccard, from Payerne, Switzerland, to Madrid, Spain, on a free distance along a course of 1,116 km and a straight distance (pre-declared waypoints) of 1,089.3 km, on 25 May 2012.

**Parmjit Singh (IND)**

- WORLD RECORD
- MICROLIGHTS AND PARAMOTORS

**MICROLIGHTS : WEIGHT-SHIFT CONTROL / FOOT-LAUNCHED / FLOWN WITH ONE PERSON / THERMAL ENGINE**
- Distance in a straight Line without landing

Parmjit Singh used an Aeros Discus 14 with a Radne Motor AB Raket 120 to fly a record distance in a straight line without landing of 313.13 km from Bikaner to Sanderav, India, on 17 February 2012.

**Sergei Andreev and Oleg Vorobyev (RUS)**

- WORLD RECORD
- AEROMODELLING AND SPACEMODELLING

**F2C CONTROL LINE CIRCULAR FLIGHT TEAM RACING**
- Race Time in Competition (200 laps)

During the 2012 FAI World Championships for Control Line Model Aircraft that took place from 25 August to 1st September in Pazardzik (Bulgaria), Sergei Andreev and Oleg Vorobyev flew a model aircraft with Piston Motor around 200 laps in a time of 6 min 19.1 sec.

**Jacques Bott (FRA)**

- WORLD RECORD
- HANG GLIDING AND PARAGLIDING

**HG WITH A RIGID PRIMARY STRUCTURE / MOVABLE CONTROL SURFACE(S)**
- Out-and-return Distance

Frenchman Jacques Bott superseded the record he himself established in 2010 by covering on 30 May 2012 an out-and-return distance of 566.4 km from Gesses to La Batie-Montsaléon, France, flying an Aeriane Swift Light hang glider.
Coming from all around the world, contributors to aviation were celebrated at the annual FAI Awards Ceremony that took place on 18 October 2012 in Antalya, Turkey, as part of the 106th FAI General Conference.

Ten awardees joined together in Antalya to be presented on stage with their prestigious FAI medals and diplomas by FAI President John Grubbström.

Two new awards were also announced by Breitling, the new Global Sponsor of the FAI:

− the Breitling Youngster Award
− the Breitling Milestone Trophy

In total, 83 medals and diplomas were awarded for achievements in 2011. Those who attended are listed on these 2 pages.

The full list of 2011 awards can be found on page 58.

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**FAI Gold Air Medal**

This medal is one of FAI’s two highest awards. It is reserved for those who have contributed greatly to the development of aeronautics by their activities, work, achievements, initiative or devotion to the cause of Aviation.

AWARDEE: John Dickenson (AUS)

For his great contribution to the development of aeronautics by inventing the modern hang glider.

The glider was so easy to fly that one could achieve Icarus’ dream simply by running off a hill and learning on the way down. The magic of Dickenson’s device is the perfect coincidence of extreme simplicity, user friendliness and imitability.

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**Paul Tissandier Diploma**

This diploma is awarded to those who have served the cause of aviation in general and sporting aviation in particular, by their work or devotion.

AWARDEES:

− Arif Kemal Buhara (TUR)
− Jim Corbett (IRL)
− Vlastimil Dvorak (CZE)
− Fernando Ruiz Lucientes (ESP)
− Haluk Özil (TUR)
− Manuel Silva Salta (POR)

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**FAI Silver Medal**

It is reserved for persons who have occupied high office in FAI or in an aeronautical organisation in one of its Member Countries to the benefit of the whole international air sport community.

AWARDEE: Osmo Jalovaara (FIN)

For his major involvement in Finnish Aeronautics and especially in the FAI where he was Delegate for CIVA and CIEA, Vice-President of CIVA and OIEA and President of OIEA as well as CIVA judge for many years. He was also a founding member of Aerobatic Club of Finland in 1986, as well as launching and chairing a pioneering and successful campaign called “Get Your Wings” to promote aviation among school children.

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**Lilienthal Gliding Medal**

The diploma is awarded for a particularly remarkable gliding performance, or eminent services to Gliding, to a currently active glider pilot.

AWARDEE: Giorgio Galetto (ITA)

For his remarkable gliding performances, his eminent services to the sport of gliding and his devotion to air sports.

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**Ann Welch Diploma**

This diploma is awarded to the pilot or crew of a Microlight who made the most meritorious flight which results in a Microlight world record claim ratified in the calendar year preceding the CIMA Meeting.

AWARDEE: Jan Bém (CZE)

For his performance of 8,072 m, homologated as the world record in Class R, category RWL2T (Altitude) on 22 March 2011 with Olga Zaluska.

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**FAI ANNUAL REPORT – 2012**

FAI ANNUAL REPORT – 2012
Achievements & Statistics
FAI Young Artists Contest

www.fai.org/cea-projects/fai-young-artists-contest

Budding artists once again shone at the FAI Young Artists Contest, a painting competition where youngsters have the opportunity to express their talent and passion for flight.

All the winners, chosen by Jury at the Annual Meeting of the FAI Aviation and Space Education Commission, received an FAI Gold, Silver or Bronze Medal that was presented to them by the FAI Member Countries.

This year’s theme “Silent Flight” proved to be particularly inspiring with 111 artists competing from 14 FAI Member Countries (Australia, China, France, India, Indonesia, Japan, Korea, Poland, Russia, Serbia, Switzerland, Turkey, Ukraine, USA).

Although almost all Air Sports were featured on the paintings, Ballooning and Hang Gliding, with the ocean as a background, were the most represented subjects. Among all the entries, many of them immediately caught the eyes of the Jury, which made it a difficult task to decide on the final rankings for all of the three age categories.

Uma Maheswari (IND)

Junior Category (Ages 6 – 9)
1. Lewis Hwang (USA)
2. Uma Maheswari (IND)
3. Anna Himich (UKR)

Intermediate Category (Ages 10 – 13)
1. Kyoko Sasaki (JPN) (painting)
2. Karen Ahn (USA)
3. Tsunayoshi Kosuge (JPN)

Senior Category (Ages 14 – 17)
1. Dmitry Yakovlev (UKR) (painting)
2. Jingsheng Shan (CHN)
3. Miwako Kanada (JPN)
The 106th session of the annual FAI General Conference took place from 19 to 20 October 2012 in Antalya, Turkey. More than 130 participants coming from 50 FAI Member Countries attended the event. The plenary sessions were preceded by the 2012 FAI Awards Ceremony on 18 October 2012.

The composition of the Executive Board after the General Conference was the following:

**President**
- Dr. John Grubbström

**Executive Directors**
- Mr. Alvaro de Orleans Borbón (Deputy to President)
- Mr. Robert Clipsham (Finance)
- Mr. Frederik (Frits) Brink
- Mr. Robert Henderson
- Mr. Otto Lagarhus
- Mr. Beat Neuenschwander

**Secretary General**
- Mr. Jean-Marc Badan (non-voting member)

**PROJECTS**
A review of on-going projects such as the collaboration with Breitling, the Expert System, the development of FAME, the launch of the IT project for the database modernisation, the Anti-Doping Plan, the sports strategy and the Regional Management System was made by different speakers.

**FINANCE**
FAI Executive Director (Finance) reported on the 2011 Financial Statements and the General Conference unanimously adopted the Auditor’s Report for the year 2011. Later, the Conference also approved the budget for FAI operations in 2013. All details on the FAI finances, including the report of the FAI auditors Price Waterhouse Coopers, are set out in the Minutes to the General Conference and available as annexes to the Minutes.

**PRINCE ALVARO DE ORLEANS BORBON GRANT**
During the ceremony, the winner of the prize from the Prince Alvaro de Orleans Borbon Grant was revealed to be Todd Reichert for the "Atlas" human-powered helicopter project. The AeroVelo team, co-founded and led by Todd Reichert and Cameron Robertson, works in collaboration with the Human-Powered Vehicle Design Team at the University of Toronto. Over the last five years nearly 100 students have been involved in the various human-powered projects such as the Snowbird Human-Powered Ornithopter and high-speed streamlined bicycles. By awarding this prize to Reichert, the FAI Executive Board wished to recognise his activity blending science, technology and sport, which is not only academic in nature, but also highly visible to the public and media organisations. The unique projects that Todd Reichert, Cameron Robertson and AeroVelo have developed have become symbols for creativity and encourage youth participation and interest in sport aviation. The FAI Executive Directors were also convinced by the fact that this project was not only the result of innovative research but also directly enhanced the capability and understanding of students.

**NEW FAI MEMBERS**
The FAI General Conference accepted the following applications for FAI Membership:
- Jordan (Active - Class 10)
- Panama (Associate)
- St Kitts and Nevis (Associate)
- Tunisia (Associate)
- Uruguay (Associate)
- Bahrain (changed from Temporary to Associate)
- Oman (changed from Temporary to Associate)
- Vietman (Temporary)
- COLPAR (International Affiliate)

**ELECTIONS**
FAI President John Grubbström was re-elected for a 2 year mandate. Jonghoon Lee did not stand for re-election and the Heads of Delegations voted for Frederik (Frits) Brink from the Netherlands to join the FAI Executive Board. All the other Executive Directors were re-elected.

**RECOMMENDED MUSEUM**
The General Conference approved the application for “Recommended Museum” status by The National Model Aviation Museum in Muncie, USA.

**COMPANIONS OF HONOUR**
Former FAI Medico-Physiological Commission President Peter Saundby and former FAI Hang Gliding and Paragliding Commission President John Aldridge were appointed by the FAI President as Companions of Honour after the approval by the Delegations.

**MINUTES**
The Minutes of the General Conference are available at www.fai.org/structure/general-conference.

**FUTURE GENERAL CONFERENCES**
During the Conference the bid by Thailand to host the 108th FAI General Conference in 2014 was ratified. The next General Conference will be held from 4 to 5 October 2013 in Kuala Lumpur, Malaysia.
2012 was a successful and busy year for the FAI in the Marketing and Sponsorship field as it saw the creation of the FAI Air Sports Marketing and Events SA (FAME) and a new sponsorship agreement with the prestigious Swiss watch brand Breitling.

**BREITLING**

In May 2012 the FAI signed a long-term sponsorship agreement with the prestigious Swiss watch company Breitling.

Breitling, a renowned brand whose headquarters are in Grenchen, Switzerland, became the first ever Global Sponsor of the FAI and carries the status of the Official Watch of the Federation.

Théodore Schneider, Breitling President, stated: “We are delighted to partner with the FAI as we share the same values. Our involvement with aeronautics has always been part of our history and we will do our best to write a successful story together.”

John Grubbström, FAI President, added: “Breitling is a highly respected brand and we are very proud to be associated with such an historic company. We strongly believe in a partnership with Breitling as a Global Sponsor and will be delighted to cooperate with Breitling in consolidating its presence within the international aeronautics community. The FAI is entering a new era in air sports management. Our relationship with an innovative and dynamic company such as Breitling is a perfect match for both partners.”

In 2012, Breitling was present at the following events:
- 18th FAI European Aerobatic Championships in Dubnica nad Váhom (SVK)
- 2nd FAI Women’s European Hot Air Balloon Championship in Frankenthal (GER)

**About Breitling**

A specialist in technical watches, Breitling has played a crucial role in the development of the wrist chronograph and is the leader in the sector. The company has shared the finest hours in the conquests of the skies thanks to its sturdy, reliable and high-performance instruments. The world’s only major watch brand to equip all of its models with chronometer-certified movements, the ultimate token of precision, Breitling is also one of the few companies to produce its own mechanical chronograph movement, entirely developed and manufactured in its own workshops. This family business is also one of the last remaining independent Swiss watch brands.

**FAME**

With the creation of the FAI Air Sports Marketing and Events SA (FAME) in May 2012, the FAI wanted to give itself every means to promote air sports and create economic value for the FAI and its events.

Thanks to this new company the FAI will be able to respond more quickly and efficiently to requests for new or special competitions from host cities and FAI Air Sports Commissions. FAME will provide the services and assistance the Air Sport Commissions need to develop new events and explore the market. The Commissions will also have the opportunity, if they wish, to create project working groups within FAME to develop new projects.

“The creation of FAME is part of a long-term strategy of growth. It will bring benefit to all our sports and give us the tools to fulfil our new sponsorship agreement with Breitling,” said FAI Secretary General Jean-Marc Badan.

FAME’s objectives include:
- Develop innovative air sport competitions and new event formats
- Promote and facilitate the organisation of such competitions and events
- Provide marketing and promotional services, advice and support to any structure involved in the development and promotion of air sports and primarily for the FAI
- Provide support and services in developing and managing sponsorship and partnership programs
- Carry on any financial, commercial or industrial activity directly or indirectly relating to its purpose
- Establish branches or subsidiaries in Switzerland and abroad
- Participate in any undertakings having a direct or indirect connection with its purpose
- Grant loans or guarantees to shareholders or to third parties, if to do so is beneficial to its interests

In August 2012 the FAI appointed Giancarlo Sergi as CEO of FAME. Mr. Sergi is the President of SINERGI Ltd, a management consultancy firm based in Switzerland and active in the sports industry.

The FAI agreed to the sale of a minority stake in FAME to SINERGI Ltd.
In 2011 the FAI Strategy Task Force identified new challenges with high priority in the work of the FAI such as airspace restrictions, need to improve safety, availability of airports and air sport facilities, how to better promote air sports. As a consequence, the FAI Executive Board started in 2012 the development of a new “FAI Expert System” which includes 8 Expert Groups:

- **AIRSPACE**
  - Established January 2012
- **NAVIGATION**
  - To be established in 2013 or later
- **SAFETY**
  - Established May 2012
- **REGULATION**
  - Established June 2012
- **IT**
  - Established January 2012
- **TECHNOLOGY**
  - Established May 2012
- **AIRSPORT FACILITIES**
  - Established January 2012
- **MARKETING AND COMMUNICATION**
  - To be established in 2013 or later

Members were appointed, policy and goals defined and projects identified. At the end of 2012, 6 Expert Groups were established and started operations. In total, the groups represent 36 experts from 15 countries, thus ensuring a high-level international spectrum.

The experts are persons with expertise in specific areas who are called upon when there is a need for technical expertise. They are appointed by the FAI Executive Board and are on stand-by: assignments are only carried out “on demand”. Considering that the Members of the Expert Groups are experts in their fields of expertise and are therefore exercising a technical watch, they are of course encouraged to report, through their Point of Contact and Coordination (PoC), on any significant development that might affect the practice or the development of our sports.

**TASK LISTS FOR 2012**

**AIRSPACE**
- Analyse the ICAO meeting structure affecting Airspace and make proposals to FAI Executive Board for effective FAI monitoring and representation
- The Collaborative Decision Making (CDM) technique: Is it a useful tool for FAI and its members?
  - What are the criteria to become part of the CDM processes (meetings etc.) in relevant areas (e.g. Airspace Allocation, Airport Utilisation etc.)?
  - What positive impact can a proactive use of CDM have for FAI and its members?

**NAVIGATION**
- Analyse the ICAO meeting structure for navigational matters, and make a proposal to FAI Executive Board for effective FAI monitoring and representation
- Analyse the avionic equipment market for traffic awareness/collision warning systems for light/sport aircraft (“situation awareness devices”), with the objective of producing an overview of available alternatives and their merits for various air sports activities

**SAFETY**
- Evaluate the content and suggestions in a letter from FAI Parachuting Commission about safety and, if applicable, make recommendations for changes in the FAI Safety Expert Group policy statement
- Produce a broad overview of the safety work taking place in the various Air Sport Commissions (ASCs) and provide suggestions for effective cooperation and communication between such ASCs in order to benefit from being part of the FAI structure

**REGULATION**
- In the opinion of the Regulation Expert Group (REG), provide answers to the following questions:
  - What potential regulatory changes that the REG is aware of might affect the practice or the development of our sports?
  - What actions are suggested by REG to minimize the effects of the regulatory changes identified above?

**IT**
- Plan a database structure for “public” database
- Decide what data is needed from the databases for “public” access
- Plan access rights and use cases

**TECHNOLOGY**
- Briefly describe the outcome of previous projects with problems and successes
- Create a requirement list for each discipline
- Decide on the common requirements (including protocols, data transfer methods etc.)
- Map possible hardware providers
- Define what software should be linked to tracking (at least flight display system and scoring)
- Create a common recommendation

**MARKETING AND COMMUNICATION**
- **NEW**
  - Plan a database structure for “public” database
  - Decide what data is needed from the databases for “public” access
  - Plan access rights and use cases
  - Deliver an enhanced version of the „Media Resource Center“
- **Improved**
  - Develop an electronic version of the „FAI Activities Guide“
  - Establish the „FAI Projects“ Section on the FAI website
  - Launch FAI YouTube Channel
  - Establish FAI Media Programmes
  - Deliver updated logos and presentation materials
  - Plan a new publication of the „FAI Annual Report“
  - New“On Demand” Feature for information and results to all members at the same time by the Head Office
- **Maintain**
  - Coordination (PoC), on any significant development that might affect the practice or the development of our sports.
Annexes & References

List of 2012 Competition Results

In chronological order

World Championships

1ST FAI JUNIOR WORLD HOT AIR BALLOON CHAMPIONSHIP (MARJAMPOLE, LITHUANIA)
09.08.2012 - 27.08.2012

FAI ANNUAL REPORT – 2012

FAI ANNUAL REPORT – 2012

FAI ANNUAL REPORT – 2012

FAI ANNUAL REPORT – 2012

FAI ANNUAL REPORT – 2012

FAI ANNUAL REPORT – 2012

FAI ANNUAL REPORT – 2012

FAI ANNUAL REPORT – 2012

FAI ANNUAL REPORT – 2012
FAI ANNUAL REPORT – 2012

Table of Contents

46 FAI ANNUAL REPORT – 2012

Table of Contents

47
SIA SENIOR OVERALL  SIA SENIOR TEAM
1st   XX-NNXYza Leszek  POL  1st  Czech Republic
2nd   TREZANOSSAO Mihail  CTO  2nd  Lithuania
3rd   PAPYMAN Mihail  CTO  3rd  Bulgaria

2012 FAI WORLD CHAMPIONSHIP FOR SOARING MODEL AIRCRAFT (KAP ARKONA, RÜGEN, GERMANY) AEROMODELLING 06.10.2012 - 13.10.2012 OVERALL TEAM OVERALL
1st   HÖLBFER Stefan  AUT  1st  Germany
2nd   GAUBATZ Lukas  AUT  2nd  Austria
3rd   HERRIG Martin  GER  3rd  France

SIALEA WORLD SKYDIVING CHAMPIONSHIPS (DUBAI, UNITED ARAB EMIRATES) PARACHUTING 28.11.2012 - 09.12.2012 4-WAY OPEN
1st  USA
2nd  Belgium
3rd  France

4-WAY WOMEN
1st  France
2nd  USA
3rd  Germany

4-WAY WOMEN – OVERALL
1st  WEBER Elischa  GER
2nd  POZDNIAKOV Ilia  BLR
3rd  YIWEN Liang  CHN

4-WAY WOMEN – OVERALL SENIOR TEAM
1st  WEBER Elischa  GER
2nd  POZDNIAKOV Ilia  BLR
3rd  YIWEN Liang  CHN

FREEFLY
1st  BARTHELEMY Curtis  USA
2nd  BERTINI Francesco  ITA
3rd  HERNANDEZ Julian Fabio  ESP

FREEFLY – OVERALL
1st  BARTHELEMY Curtis  USA
2nd  BERTINI Francesco  ITA
3rd  HERNANDEZ Julian Fabio  ESP

FREEFLY – OVERALL SENIOR
1st  BARTHELEMY Curtis  USA
2nd  BERTINI Francesco  ITA
3rd  HERNANDEZ Julian Fabio  ESP

CONTINENTAL CHAMPIONSHIPS

Continental Championships

3RD FAI SOUTH AMERICAN GUIDING CHAMPIONSHIPS (ADOLFO GONZALEZ CHAVEZ, ARGENTINA) GUIDING 06.11.2012 - 11.12.2012 STANDARD - OVERALL
1st  GOLDENBERGER Dieter  ARG
2nd  REINA Fabrizio  ARG
3rd  SENDOR Juraj  ARG

15M CLASS - OVERALL
1st  SENDOR Juraj  ARG
2nd  REINA Fabrizio  ARG
3rd  GOLDENBERGER Dieter  ARG

FAI ANNUAL REPORT – 2012
## OTHERS

<table>
<thead>
<tr>
<th>Event</th>
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<td>2nd PRINOMUT Pradipa</td>
<td>THA 2nd China</td>
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<td>3rd SHI Lim Ding Beijing</td>
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**List of 2012 International Records**

### Skydiving

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### Power Gliding

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### Motor-Ski Paragliding

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FAI GENERAL AWARDS

FAI GOLD AIR MEDAL
ROBERTO ANZELLO
ARG

FAI SILVER MEDAL
ARUNAARAO Dhanunjay
IND

FAI BRONZE MEDAL
STS-131 / ISS-26 ULF2 Crew Members
International

FAI GROUP DIPLOMAS

HUIMINCHEN Erika
RUS

FAI GROUP DIPLOMATIONS OF HONOUR

Central Aerotrain
AUS

University of Toronto Institute of Aerospace Studies
CAN

Aerospace/DoD Kraków Air Lab
POL

Skydive Amurbrake
ESP

The Finnish National Team for Gliding World Championships 1952
FIN

Larisa Aero Lab
GREE

ICGSPIES Flight Recorder Approval Committee
ISR

Chase Balloon Festival Executive Committee and Doak City
JPN

AerospaceLab Pomeranian - Toruń
POL

The editors of magazine "Parachutka"
RUS

Aerospace/Tranpol
SRB

FluK: Freestyle Kiteoversz Kolice
SVK

FAI AWARDS FOR INDIVIDUAL DISCIPLINES

AEROBATICS

Cohn AeroSport to AEROCRAFT DIPLOMA

ARRETI Jonatan

AEROMODELLING

CROWN AEROMODELLING GOLD MEDAL

REE Andres

AMATEUR BUILT AND EXPERIMENTAL AIRCRAFT

PHOENIX DIPLOMA

CARLSSON Michael (see: cover page 4)
SWE

ASTRONAUTICS

SPACECRAFT GOLD MEDAL

Koptel Skokie Space Shuttle STS-105 / ISS Assembly Mission ULF1
USA

VLADIMIR M. KOMAROV DIPLOMA

GENERAL AVIATION

CHARLES LINDBERGH GENERAL AVIATION DIPLOMA

BOLEN Edward
USA

GLIDING

GREYHOUND SLIDING MEDAL

GALETTI Sergio
ITA

FAI MAESTRO SLIDING MEDAL

WAGERS Paul
USA

PITZER STEPHEN DIPLOMA

HANG-GLIDING

APPEL LOPES MEDAL

VOLKOV Boris
SWE

HANG-GLIDING DIPLOMA

CICERO MONTE

MICROLIGHTS

COURB DIPLOMA

JONES James
GBR

ANN WELCH DIPLOMA

LUVORO ANDERSON / JORDAN Edge
USA

PARACHUTING

SOWD PARACHUTING MEDAL

TANHAKE
RSA

List of 2011 Awards

www.fai.org/awards

58 FAI ANNUAL REPORT – 2012 Table of Contents

59 FAI ANNUAL REPORT – 2012 Table of Contents

Annexes & References
<table>
<thead>
<tr>
<th>Country</th>
<th>Year of 1st Affiliation</th>
<th>Current Member in the Country</th>
<th>Class</th>
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<tbody>
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</table>
To fulfill its objectives and meet the evolving needs of each air sport and area of activity, the FAI has constantly adjusted its organisational structure. Today, the FAI comprises the following elements:

**GENERAL CONFERENCE**
The supreme policy-making body defines the aims of FAI, determines its Statutes and By-Laws and elects the President and the Executive Board. The General Conference convenes once a year. It consists of Delegates appointed by Active and Associate Members in good standing, designated representatives of International Affiliate Members in good standing, FAI elected Officers, Presidents of Honour, Honorary Patrons of FAI, Companions of Honour, and Delegates appointed by Presidents of Commissions.

**EXECUTIVE BOARD**
The FAI Executive Board is the principal executive body of FAI, responsible for implementing the policies and decisions made by the General Conference and exercising those powers of the General Conference that are delegated to it by that body. The Executive Board, chaired by the FAI President, is jointly responsible to the General Conference for all decisions made and actions taken between General Conferences.

**FAI Structure**
www.fai.org/about-fai/structure

**Executive Directors**
Mr. Alvaro de Orleans Borbón – Deputy to the President
- FAI/Air Sport Commissions relation principles
- FAI commercial ventures
- IPETA Task Force
Mr. Robert Clispham – Executive Director Finance
- FAI representative as FAME Director
Mr. Frederik (Frits) Brink – Membership issues
- Coordination with international sports organisations
- Media issues
- Coordination with the Statutes Working Group

Mr. Otto Lagarhus – FAI Regional Management System
- Regulation and Safety Expert Groups
- Coordination with international aviation organisations
- IPETA Task Force

- Strategic support to Head Office issues

**Secretary General**
Mr. Jean-Marc Badan (non-voting member)

**President**
Dr. John Grubbström

**AIR SPORT COMMISSIONS (ASCs)**
The Air Sport Commissions control the activities of the different disciplines governed by the FAI: Aerobatics, Aeromodelling, Amateur built and Experimental Aircraft, Astronautic Records, Ballooning, General Aviation, Gliding, Hang Gliding and Paragliding, Microlights and Paramotors, Parachuting and Rotorcraft.

**TECHNICAL COMMISSIONS (TCs)**
These Commissions control non-sporting activities such as Aviation and Space Education, Aviation medicine, Environmental matters, Navigation and Air Space matters (dissolved at the 2012 General Conference).

**MEMBERS**
The Member Nations of FAI are represented by their “National Air Sport Control” (NACs). At the General Conference, voting powers are held by FAI Active Members and by the Air Sport Commissions. With more than 100 Members, the FAI brings together at international level representatives of all air sport disciplines. The FAI Members are categorised as follows:

- **Active Members**, being those organisations which represent all the disciplines practiced in their respective country
- **Associate Members**, which represent only one discipline. There can be no more than two associate members in a given country without their forming a national organisation and becoming an Active Member
- **Temporary Members**, being those national organisations which intend to become an Active or Associate Member of the FAI but are not yet in a position to fulfill all the rights and duties of those members
- **International Affiliate Members**, other international organisations sharing common goals with the FAI

**EXPERT GROUPS (EGs)**
The FAI Expert Groups are persons with expertise in specific areas who are called upon when there is a need for technical expertise. They are appointed by the FAI Executive Board and are on stand-by and assignments are only carried out “on demand”.

In 2012 the FAI Executive Board started the development of a new FAI Expert System which includes 8 Expert Groups: Airspace, Navigation, Safety, Regulation, IT, Airport facilities, Technology, Marketing and Communication.

**REGIONAL VICE-PRESIDENTS (RVPs)**
The FAI Regional Vice Presidents – a function created in 2012 - are appointed by the FAI Executive Board to increase the management resources of the FAI and provide the Executive Board with a tool for effective regional presence and a mechanism to promote air sports in a particular region. In addition to the main objective, the goals of this structure are as follows:

- Establish and improve international and regional representation
- Improve the service to and communication with the NACs in the region
- Facilitate promotion and recruitment to the FAI, also for countries not presently represented in the FAI
- As or if requested, assist the Air Sports Commissions in matters pertaining to the applicable region

Effective implementation of the FAI Regional Vice President (RVP) function will result in a much needed revitalisation of the FAI management structure, especially in the area of NAC communication and interaction, regional and international representation and the promotion of FAI, inside and outside of the FAI.

The Regional Management System has started with two regions, namely East and South Asia and South America. It will be expanded as needs arise in the other regions.

The first positive results were achieved in Asia, where Mr. Tengku Abdillah, FAI Regional Vice-President for South & East Asia, was particularly active in recruiting new FAI Members, as well as in coordinating work and giving advice relating to the Asian Beach Games.

**VICE-PRESIDENTS**
The FAI Vice Presidents consist of the Vice Presidents representing Active Members and the Presidents of the Air Sport Commissions.

**HEAD OFFICE**
The FAI Head Office is managed by the Secretary General, who is responsible for the day-to-day operations of the federation.
Credits

CONCEPT, COORDINATION, SOURCING AND EDITING OF CONTENT
Faustine Carrera, FAI Communication Manager

In collaboration with:
Segolène Rouillon, FAI Members and Services Manager
Robert Hughes, FAI Senior Sports Manager
FAI Head Office, Commissions and Executive Board

DESIGN
Didwedo.com

PHOTOS
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Milutsky Gennady

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YOUR FLIGHT IS OUR MISSION ™
Aerospace

Multifunction titanium chronograph
Exclusive SuperQuartz™ movement
Officially chronometer-certified
Water-resistant to 100 m / 330 ft