



UKSEDS
 UK STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE

Executive Summary
2014 - 2015

Committee 2014 - 2015

Executive

Chair	Jeremy Nickless
Vice Chair	Ryan Laird
Secretary	Joseph Dudley
Treasurer	Robert Garner

Officers

Careers	Portia Bowman
Events	Alex Gee
International	Ciara McGrath
Membership	Sam Kennedy
Outreach	Samiksha Mestry
Projects	Teejay Taiwo
Public Relations	Vanessa Pepe

Foreword

The 2014-2015 has been another succesful year for UKSEDS.

In financial terms, the 2013-2014 year has been our most successful yet, resulting in a net profit and record revenues.

Numerous organisational and administrative changes have been made in order to improve our effectiveness. UKSEDS was registered as a charity in 2014, which required some constitutional reforms to bring us line with the charity commission requirements. It also allows us to use the charitable version of Google Apps, which is an important organisational tool for the committee. Other tools such as the membership database were continuously developed and a new ticket sales platform was introduced; giving the committee easier access and control to important analytics and actions on events we run.

JEREMY'S INTRODUCTION

Jeremy Nickless
 Chair

OUTPUT AT A GLANCE



Careers

We have been updating the careers website and our social media resources regularly with newly released graduate schemes, jobs and internships. We also launched our CV Vault, a repository for students to submit their CV's for prospective employers to examine.

UKSEDS successfully hosted a careers event at the Royal Society for the Reinventing Space Conference, in association with the British Interplanetary Society. See the "Event Highlights" for further details. We also attended several other careers event, including the 2nd Space Industry Careers Fair at the National Space Centre and the Royal Aeronautical Society Careers in Aerospace LIVE 2014.

800

VISITORS MONTHLY
TO UKSEDS.ORG/
CAREERS

Sponsorship

Sponsorship this year has been at an all time high, bringing in vital revenue for the running of UKSEDS, and in particular the National Student Space Conference. We also changed our sponsorship packages, offering interested parties the opportunity to sponsor UKSEDS for the whole year, as part of our corporate partnership packages. We are delighted that both Printech Circuit Laboratories and Reaction Engines Limited subscribed as corporate partners with us this year.

UKSEDS are always looking for partners in industry to support us in our work and help us expand our activities in order to actively engage young people and provide them with a range of valuable skills. We have over 1500 members who consist of some of the most motivated and talented students from the UK's top science and engineering universities, and our partnership with other SEDS organisations all over the world gives brand exposure to companies far beyond the UK. We offer an unrivalled opportunity to raise awareness and advertise your career opportunities to some of the most talented and enthusiastic young scientist and engineers looking to work in the space industry.

We offer a number of different sponsorship packages which can be tailored to an individual company's requirements, and are list in our sponsorship brochure.

18

SPONSORS AND
SUPPORTERS

Membership

UKSEDS launched its inaugural National Awards. These awards are to be presented at the National Student Space Conference 2015 in the categories of "Member of the Year", "Branch of the Year", "Outreach Ambassador of the Year" and "Best Project".

Branch Project Grants were opened to aim to provide branches with the funds to start new projects and expand existing ones so that they can more easily obtain alternative funding in the future.

26

UNIVERSITY BRANCHES

OUTPUT AT A GLANCE

International

This year saw the formalisation of UKSEDS' relationship with the Space Generation Advisory Council (SGAC) with a Memorandum of Understanding (MOU) drafted and signed in Toronto at the International Astronautical Congress 2014, where several UKSEDS members were present. An MOU with SEDS-USA is due to be signed at the NSSC 2015. UKSEDS supported the BIS in sending a student to represent the UK as part of the Undergraduate Student Prize Paper Competition at the IAC. As in previous years, links with international organisations were maintained and new links forged. In particular with Spaceboard, Time Capsule to Mars – both of whom will be represented at the NSSC 2015 and supporting Éire-SEDS through their early stages of becoming an organisation.

9

RELATIONSHIPS WITH
INTERNATIONAL
BODIES

Outreach

The UKSEDS 2014 Student Outreach Team have travelled across the country, visiting over 16 different events and schools, including the Big Bang Fairs and the Farnborough Air Show. UKSEDS engaged with over 10,000 young people from a huge range of backgrounds across the year, showing them the amazing things we do with Space science and technology. Activities include sumo-wrestling mars rovers and metoerite detective kits.

15

OUTREACH EVENTS
ATTENDED

Additionally, UKSEDS purchased new exhibition equipment to use at events with the UK Space Agency's Space For All fund 2013. We were also successful in the 2014 SFA application round, achieving £2500 in funding for the next year.

Projects

UKSEDS launched its second National Rocketry Championship, an exciting competition for student groups from around the UK to compete and show off their rocketry skills. Teams are challenged with designing, building and launching a mid-power rocket with the primary goal of reaching the greatest apogee possible. Motor selection is limited to ensure a fair competition between teams. Teams are also required to submit a technical report detailing their design and build.

10

NRC 2015
ENTRIES

We also hosted several project based events, the Rocketry and Astronomy workshops; which are aimed at introducing these topics to our members.

PR

We have successfully grown our social media to over 1300 likes on Facebook and nearly 3000 followers on Twitter. We have also grown our activity on LinkedIn and expanded to Flickr and SlideShare to share photos and presentations from past events. UKSEDS are now registered on the IAU Directory of World Astronomy, where as a charity we can take part in the NameExoWorlds contest for naming exoplanets.

1745

NEWSLETTER SUBSCRIBERS

EVENT HIGHLIGHTS



Science Communication Workshop 2014

In this workshop, UKSEDS partnered with Things We Don't Know to discuss how to adapt your writing style for a non-specialist audience to produce an interesting and absorbing piece of science journalism. As well as going over common mistakes and pitfalls, this hands-on session gave a chance to apply what you learnt and turn journal abstracts into short pieces of popular science writing. It covered how to tailor your writing to different age groups and audiences, and how to pick a good story. The event was held at the British Interplanetary Society, Vauxhall, London on Saturday 25th October, 2014.

17
ATTENDEES

Rocketry Workshop 2014

Held at the University of Salford on 6th December 2014, our rocketry workshop gave the chance to learn all about building rockets and running rocketry projects. By the end it was planned for our branch members ready to lead a team for our second UKSEDS Rocketry Championship. The day will focussed on covering the basics for starting a rocketry project: where to source information and materials, what kind of software you can use to help you design a rocket, safety considerations and common mistakes. Attendees were provided with all the tools required to relay all this back to their branch and lead a rocketry project themselves.

25
ATTENDEES

Reinventing Space Careers Event 2014

As part of the Reinventing Space Conference 2014, UKSEDS, the Space Generation Advisory Council, and the International Space University hosted Reinventing Space Careers, aimed at students, graduates, and young professionals who want to succeed within the space sector. The event was held on Wednesday 19th November, 2014 at the Royal Society, London. This included a range of talks on Space Policy – Alice Bunn (UK Space Agency), Upstream Space Applications – Craig Cobb (Airbus Defence & Space), Space in Academia – Richard Ghail (Imperial College London), Downstream Space Applications – Sam Adlen (Space Applications Catapult), Keynote Speaker – Andy Bradford (SSTL). A networking reception was kindly sponsored by HE Space.

60
ATTENDEES

Astronomy Workshop 2015

Held at Jesus College, Oxford University on Saturday 24th January 2015, this workshop taught members how you can use real astronomical data to identify and measure scientific parameters from comets. The workshop was run by Nick Howes, an astronomer working with the Kielder Observatory in the UK, as well as a freelance science writer whose work has included science writer for the European Space Agencies Science Portal and NASA Blueshift.

30
ATTENDEES

NATIONAL STUDENT SPACE CONFERENCE

UKSEDS' National Student Space Conference is the premier student space event in the UK, bringing together students, academics, and professionals from across the world to share knowledge of space, discuss the challenges facing the sector, and create new links between groups. It features talks by leading space science and industry figures, a careers fair, and opportunities to take part in discussions and networking events.

The 2015 event is taking place at the University of Surrey, hosted by The Electronics & Amateur Radio Society (EARS) - one of our branches. The conference has sold out with record registrations, with over 270 attendees.

Our first keynote speaker this year is Dr Matt Taylor, a project scientist on the Rosetta mission to comet 67P that entranced the world in late 2014. The second keynote speaker is Abbie Huddy, from Airbus Defence and Space, whose talk will focus on the exploration of Mars with rovers.

270

ATTENDEES

24

UNIVERSITIES
REPRESENTED BY
STUDENTS

29

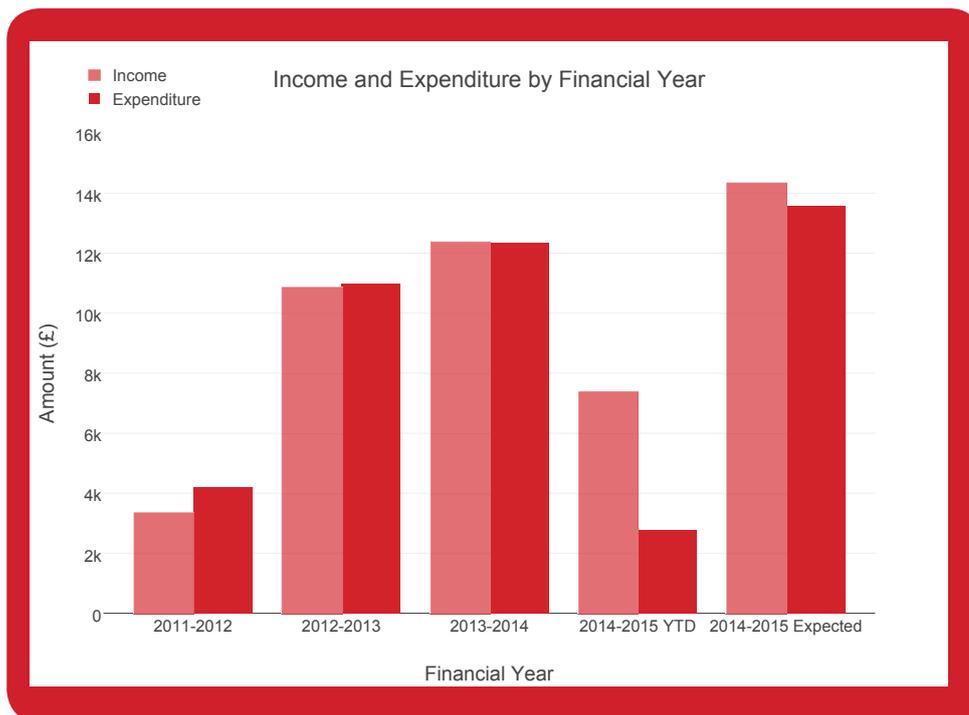
ORGANISATIONS
REPRESENTED BY
SPEAKERS AND
SPONSORS

24

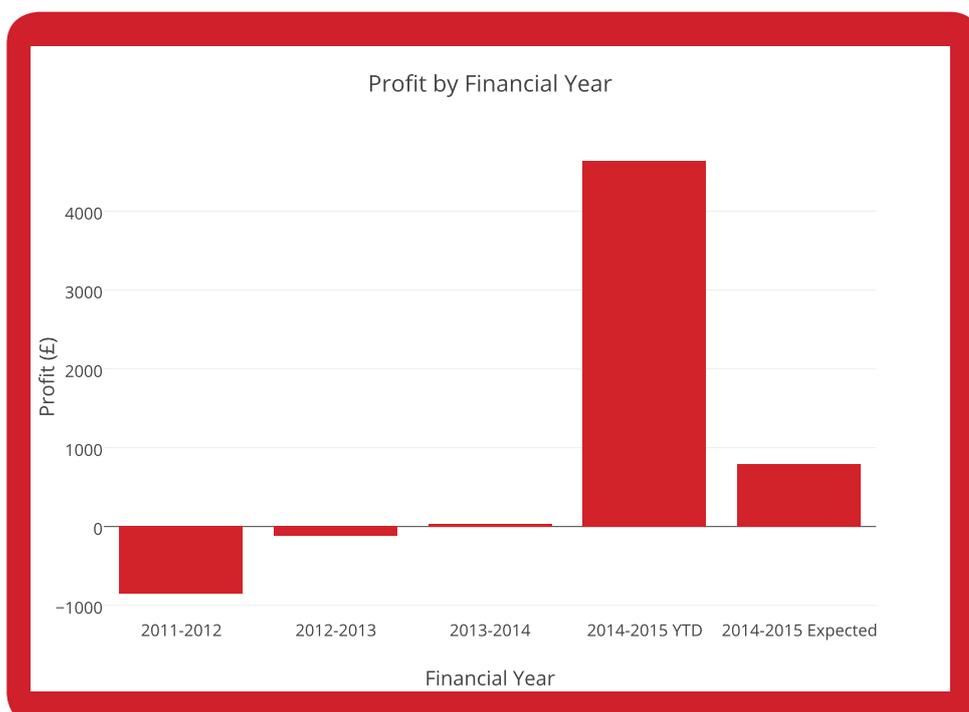
SCHEDULED TALKS

FINANCES

Financially, UKSEDS continues to be in an excellent position. Our revenue has risen by 14% compared to the previous financial year, although our expenditure has also risen. Including creditors and debtors for the 2013-2014 year, we achieved a small net profit of £27.60, the first in several years. Whilst this might not sound impressive, we are a charitable institution and this money will be reinvested into our membership. These accounts do not include assets purchased throughout the year that retain their value. Looking forward, UKSEDS is continually growing financially, which we hope will allow us to create more opportunities and activities for our membership.



The first graph shows our yearly income and expenditure, including both the year-to-date and forecasted values for 2014 - 2015. The latter is based upon concrete expenses and income that we know about, mainly from the NSSC2015 which is now fully costed, but does not include estimates for activities for the rest of the year. It can be seen that the 2014-2015 expected revenue will be at least 15% greater than the 2013-2014 FY. The second graph shows the yearly profit over the past few years. The year-to-date profit is inflated as we have not yet made the large payments for the NSSC2015.



14%

REVENUE INCREASE
FROM 2012-2013 TO
2013-2014