SELECT 2012 HIGHLIGHTS & ACCOMPLISHMENTS
DEEPENING UNDERSTANDING, STRENGTHENING PARTNERSHIPS

“When the music changes”, observes an African proverb, “so does the dance”.

The Internet Society has had a long-term focus on improving the infrastructure needed for a healthy Internet in Africa. In 2012, we made headway on our Interconnection and Traffic Exchange Programme goals in Africa on a number of fronts. The Society held the third Africa Peering and Interconnection Forum (AFPIF) in Johannesburg, South Africa with great success, as illustrated by a comparison of this year’s event to that of the previous year:

- 70% increase in number of participants
- 32% increase in number of countries of the participants
- 133% increase in number of sponsors, and 300% more sponsorship revenue

AFPIF is continuing to build one-to-one connections amongst diverse parties. For example, noted attendee Bijal Sanghani of Euro-IX, “AFPIF3 has been a great event, with a fantastic turnout of African IXPs. We arranged another twinning between MOZ-IX (Mozambique) and Netnod (Sweden), and took the first steps towards forming AF-IX, an association for African IXPs”.

Likewise, Teraco’s Michele McCann called it the best networking event she had ever attended, adding, “As a data centre operator, AFPIF has given us the opportunity to get closer to the Internet community and thereby understand where to deploy infrastructure”. Further accolades came from Google’s Mike Blanche, who noted that the event allowed him to “establish peering with many people I had known before only by email”.

Meanwhile, the Internet Society is working in other ways to improve the future of Africa’s Internet. At AFPIF, ISOC announced that it had been selected by the African Union (AU) to implement the first phase of the African Internet Exchange System (AXIS) project. In support of the project, ISOC will conduct community mobilisation and technical workshops to support the establishment of national and regional Internet Exchange Points (IXPs) in AU Member States — and in the process, help Africa’s Internet traffic optimise its efficiency by remaining local to the continent.

http://www.internetsociety.org/afpif
A delegate listening to a panel discussion entitled Attracting Global Content via Regional IXP s at the African Peering and Interconnection Forum in Johannesburg, South Africa.
THE REMARKABLE DEBUT OF “THE NEW NORMAL”

The world’s media — like the Internet itself — is a vast, complicated, crowded environment, and trying to attract attention in either is a daunting challenge. With the participation of thousands of Web companies, access providers, and home networking equipment manufacturers, we succeeded in getting the attention of global media in one of our most ambitious initiatives ever: World IPv6 Launch, which began 6 June 2012.

IPv6 deployment and use is critical to the Internet’s continued growth, and our collective efforts helped us effectively establish IPv6 as “the new normal” on the Internet. Led by our premier participating organisations (see box at right), more than 60 access providers, several thousand websites, and numerous ISOC Chapters joined forces to raise awareness about IPv6 deployment. IPv6 traffic at major aggregation points doubled and more than 10% of Alexa top 1000 websites — including four of the top five — were accessible via IPv6. Throughout the remainder of 2012, growing adoption of IPv6 by network operators was observed by Google, Facebook, Yahoo!, and others.

The global Internet Society community played an active part in this effort, with 30 Internet Society Chapter events conducted around the world in coordination with World IPv6 Launch, along with proactive outreach efforts by Internet Society Regional Bureaus. Like the Internet itself, the events and activities varied based on local needs and interests, and included conferences, seminars, expert panels, celebrations, press conferences, and more.

In November 2012, the percentage of users accessing Google over native IPv6 began to regularly exceed 1%. This fact represents a significant milestone, and reflects the cumulative impact on one large content provider of widespread and growing network operator deployment and enablement of IPv6 services. By this measure, IPv6 use is doubling every year, and if this trend continues, as much as half of the Internet will be using IPv6 in less than six years.

http://www.worldipv6launch.org
Kilnam Chon speaks during the ceremony after he is inducted into the Internet Hall of Fame.
GLOBAL INET AND INTERNET HALL OF FAME

A WORLD-WIDE WELLSPRING OF IDEAS

In April 2012, as part of the Internet Society's 20th anniversary celebration that ran throughout the year, the first Global INET in nearly a decade brought together more than 770 on-site participants from over 100 countries. Nearly twice as many additional participants joined remotely, collaborating on critical issues facing the Internet and hearing from some of the world’s most influential leaders on Internet matters.

Held in Geneva, Switzerland, the conference allowed the Internet Society to further establish its position as a thought leader and community engager. For example, the Global Chapter Workshop, the largest workshop of its kind that the Internet Society has ever held, occurred over the two days preceding the conference, while the Collaborative Leadership Exchange provided a forum for more than 90 participants to engage in a unique “unconference” format, fostering dialogue and extending the core Internet values of grass-roots cooperation and collaboration. In addition, 13 Chapters stepped forward to host Chapter Hubs, providing dynamic venues where individuals around the world could gather to participate remotely in real time.

Last but not least, the conference saw the highly successful unveiling of the Internet Hall of Fame. In addition to honoring 33 inductees, the debut attracted global media attention (including more than 200 press articles in 20 countries), as well as a series of interviews with inductees appearing in Wired magazine.

http://www.internetsociety.org/events/global-inet-2012

2012 INTERNET HALL OF FAME INDUCTEES

Pioneers
Paul Baran
Vint Cerf
Danny Cohen
Steve Crocker
Donald Davies
Elizabeth Feinler
Charles Herzfeld
Robert Kahn
Peter Kirstein
Leonard Kleinrock
John Klensin
Jon Postel
Louis Pouzin
Lawrence Roberts

Global Connectors
Randy Bush
Kilnam Chon
Al Gore
Nancy Hafkin
Geoff Huston
Brewster Kahle
Daniel Karrenberg
Toru Takahashi
Tan Tin Wee

Innovators
Mitchell Baker
Tim Berners-Lee
Robert Cailliau
Van Jacobson
Larry Landweber
Paul Mockapetris
Craig Newmark
Raymond Tomlinson
Linus Torvalds
Philip Zimmermann

http://www.internethalloffame.org/

“The Internet is really all about freedom – freedom to speak, freedom to hear, freedom to innovate”.

VINT CERF
Keynote Speaker
OUR ROLE AROUND A CHALLENGING DEBATE

In 2012, ISOC underscored its unique role as a leading voice and advocate for the Internet in the run-up to the World Telecommunication Standardization Assembly, and engaged in the World Conference on International Telecommunications, or WCIT. Keys to our impact were the active involvement and support of Society members, extensive community engagement and dialogue, and on-the-ground participation during the conference that included individuals from Chapters around the world.

By providing issue analysis, expertise, and community perspectives on key aspects of the global debates surrounding the Internet and its future, we galvanized a broad cross-section of our community. In response, our Chapters and Members contributed significantly in the development of our core positions, and also advocated for them in global, national, and regional dialogues and exchanges.

As a community, we were concerned that decisions made by governments at the WCIT would have impacted the Internet’s architecture, operations, content, and security. As the dust settles after the WCIT, it is clear that many issues remain uncertain or unresolved. Ambiguous treaty texts on scope, cybersecurity, and spam were adopted in the ITU — meaning that significant work remains to ensure that follow-on discussions and International Telecommunication Union conferences uphold the foundations central to the Internet’s success.

While the final treaty text fell short of our hopes, the outcome was still better than had been expected, thanks to the sustained collaboration and engagement of ISOC staff, Chapters, Members, and Regional Bureau Directors. There were clear signs of broad ISOC community participation on national delegations and in positions of influence, and a confirmation of our organisation’s role as a key source for collaboration and expertise.

The global debate does not stop here; rather, there is a continuing dialogue on the appropriate role for governments involving the Internet and on the best way to expand connectivity worldwide — and the Internet Society will continue to strive to provide an informed vision to guide the discussion.

http://www.internetsociety.org/wcit
http://www.internetsociety.org/policy
Amy Alvarez (AT&T) asks questions. WCIT/WTSA Discussion and Consultation presented by Sally Wentworth at the ISOC Advisory Council meeting held at the end of the 83rd IETF conference held at Les Palais des Congres de Paris, Paris, France.
In 2012, the Society made significant headway in its goal to foster a more open, innovative, and trusted Internet. One of our key accomplishments was the Deploy360 Programme, a source for expert, practical information for the global operations community, including network operators, developers, content providers, and others.

Launched in January 2012, Deploy360 addresses a unique problem — one that the world is fortunate to have. The Internet Engineering Task Force (IETF) has long been the world's preeminent source for new protocols and technologies based on open standards, such as IPv6, DNSSEC, and Routing Resiliency/Security. As important as these innovations are, however, some are not as widely known, nor deployed as quickly, as their creators (and ISOC) would like.

In the 12 months since its launch, the Deploy360 Web portal published over 400 pieces of content, including Web pages and blog posts, how-to guides, case studies, tutorials, reports, and on-line trainings. The site had approximately 100,000 visits and 180,000 pageviews, while over 8,000 people followed Deploy360 in social media spaces including Twitter, Facebook, and LinkedIn. Programme components included:

* A growing Web portal with technical resources and articles, blog posts, best practices, case studies, and deployment information
* Social media interactions to encourage year-round deployment discussions
* Speaking engagements at technical industry conferences and events around the globe

Organisations and professionals involved in building and sustaining the Internet use a variety of channels to find the information they need. To address this need, the Society also offered four InternetOn (ION) Conferences in 2012 (in Brazil, India, Slovenia, and the USA) with significant support and regional trainings held by our Regional Bureaus. In addition, our ever-growing social media engagement continued the conversations, sparked by ION Conferences and other speaking engagements, about new standards and technologies and how to deploy them.

In its first year in operation, Deploy360 successfully established its place as a unique platform for technology conversations, collaboration, and deployment assistance.

http://www.internetsociety.org/deploy360/
Paul Muchene, Internet Society Ambassador, poses for a photograph in his office at IHUB in Nairobi, Kenya.
GLOBAL INTERNET USER SURVEY

GIVING THE INTERNET’S USERS A VOICE IN ITS FUTURE

What do people want and need from the Internet, and how do they interact online? To answer these seemingly straightforward questions, in 2012 we commissioned the second Global Internet User Survey (GIUS), gathering input from more than 10,000 Internet users in 20 countries regarding their preferences, behaviors, and attitudes.

This effort, the broadest survey of Internet users around the world undertaken to date, provides data to inform Internet Society programmes and helps illustrate important issues related to the Internet and human rights, Internet censorship, online privacy and identity, and a range of economic and societal issues. It also highlighted close alignment between users surveyed and the Internet Society positions on a variety of issues. There were high levels of agreement, for example, on the importance of the Internet to furthering knowledge and freedom of expression. In fact, more than 85% of respondents agreed or strongly agreed that Internet access allows freedom of expression, and 83% believe the Internet plays a positive role in their individual lives as well as society at large.

Internet users have collectively driven the Internet’s development, evolution, and dramatic growth over the past four decades, and they will continue to do so. Indeed, as the Internet continues to grow and evolve, the 5 billion people who are not connected today will play a significant role in shaping its path going forward.

http://www.internetsociety.org/survey

Percentages of respondents who agreed or agreed strongly to these statements about the Internet:

- essential for access to knowledge and education: 98%
- access allows freedom of expression: 89%
- freedom of expression should be guaranteed: 86%
- plays a positive role in their individual lives as well as society at large: 83%
- access has contributed significantly to civil action and political awareness in their country: 66%
- governments in countries without censorship have a responsibility to keep the Internet free of censorship where it is being censored or controlled: 66%
- increased government control would inhibit Internet growth and/or stifle innovation: 66%
An ISFF lesson at Lahugala School, the majority of these children with work in agriculture when they graduate.
INTERNET LEADERSHIP PROGRAMMES

PREPARING FOR THE FUTURE BY ENGAGING TOMORROW’S VISIONARIES

Our targeted Internet Leadership programmes are designed to prepare the next generation to succeed as leaders in Internet technology and policy. In 2012, we engaged more than 420 individuals in these programmes, exceeding our goals by over 20%. We also expanded the global scope of our Next Generation Leaders e-learning curriculum by launching concurrent courses in English, French, and Spanish — and reached our goal of serving over 100 individuals.

Meanwhile, our ISOC Fellowship to the IETF and IGF Ambassadors programmes continued to advance technical and Internet governance participation at the global and local levels; as a sign of the value that participants place in these opportunities, the number of applications we received actually surpassed expectations. In addition, we launched a highly successful Fellowship Programme for Regulators designed to bring public policy implementers from around the world to the IETF to discuss a range of technical and policy issues with experts.

http://www.internetsociety.org/leaders

NEW FACES AT THE IGF

The Internet Society named 17 Ambassadors to attend the Internet Governance Forum in Baku, Azerbaijan in November 2012.

- Ulkar Bayramova (Azerbaijan)
- Luca Belli (Italy)
- Nabil Benamar (Morocco)
- Fatima Cambronero (Argentina)
- Natalia Enciso (Paraguay)
- Jorge Gonzalez (Venezuela)
- Tracy Hackshaw (Trinidad & Tobago)
- Faisal Hasan (Bangladesh)
- Samuel Morgan (Jamaica)
- Paul Muchene (Kenya)
- Roxana Radu (Romania)
- Rolando Rodriguez (Venezuela)
- Enceil Sanchez (Venezuela)
- Kris Seeburn (Mauritius)
- Cintra Sooknaran (Trinidad and Tobago)
- Sorina Teleanu (Romania)
- Emilar Vushe (South Africa)