



# SPU Flash

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The mission of the ITU Strategy and Policy Unit (SPU), with the collaboration of the Sectors, is to assist the ITU and its membership to anticipate and analyze the strategic implications and challenges of an evolving telecommunications environment. It does this through a multidisciplinary approach to telecommunication policy issues that cuts across the Sectors, involving research, analysis, publications and the organization of forums and workshops. The SPU shall not duplicate those activities that fall within the mandate assigned to one of the Sectors. The overall objective of the SPU is to adapt ITU's work programme to fast-emerging technology, policy and market trends.

## WSIS Action Line C5 and Partnerships for Global Cybersecurity



The outcome documents from the World Summit on the Information Society (WSIS) emphasize that building confidence and security in the use of

ICTs is a necessary pillar for building a global information society. The Tunis Agenda describes the establishment of a mechanism for implementation and follow-up to WSIS and requests ITU to play a facilitator/moderator role for WSIS Action Line C5: Building Confidence and Security in the Use of ICTs. Based on the first facilitation meeting held in May 2006, work programmes in three focus areas have been initiated and mailing lists for each focus area have been set up.

- Focus Area 1 (National Strategies - [pgc-ns@itu.int](mailto:pgc-ns@itu.int)): The development of a generic model framework or toolkit that national policy-makers could use to develop and implement a national cybersecurity or Critical Information Infrastructure Protection (CIIP) programme.
- Focus Area 2 (Legal Frameworks - [pgc-lf@itu.int](mailto:pgc-lf@itu.int)): Capacity-building on the harmonization of cybercrime legislation, the Council of Europe's Convention on Cybercrime, and enforcement.
- Focus Area 3 (Watch, Warning and Incident Response - [pgc-wwir@itu.int](mailto:pgc-wwir@itu.int)): Information-sharing of best practices on developing watch, warning and incident response capabilities.

Send an email to [cybersecurity@itu.int](mailto:cybersecurity@itu.int) to subscribe to one of the Partnerships for Global Cybersecurity mailing lists. For more information, please visit [www.itu.int/cybersecurity/pgc/](http://www.itu.int/cybersecurity/pgc/).

## Countering Spam Cooperation Agenda

In conjunction with the Forum at ITU TELECOM World 2006 being held in Hong Kong, China from 4-8 December 2006, ITU is organizing a one day event on 8 December entitled Countering Spam Cooperation Agenda. In today's interconnected world of networks, threats can originate anywhere. For this reason national, regional and international cooperation is paramount to building a global culture of cybersecurity. One of the more prominent risks to internet security is spam, which has mutated during the last few years from a general annoyance to a broader cybersecurity threat. For example, spam is now the primary mechanism to deliver viruses used to hijack millions of computers, to launch phishing attacks with the aim of capturing financial information,

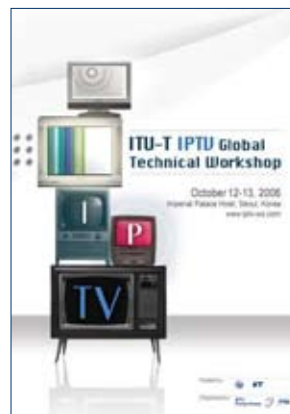
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and acts as a platform for various other scams. At the Tunis phase of the World Summit on the Information Society (WSIS), participants reaffirmed their commitment to deal effectively with the significant and growing problem posed by spam. A number of organizations worldwide are actively engaged in this fight. A significant challenge for furthering international cooperation is raising awareness of the numerous ongoing initiatives and exploring where there are overlaps or gaps to be filled. This workshop will present the activities of relevant organizations and consider specific practical next steps that can be taken to work toward a common countering spam cooperation agenda. The event is open to all ITU TELECOM World 2006 participants.

For more information, please see the ITU TELECOM World 2006 Forum programme website at: [www.itu.int/WORLD2006/forum/programme\\_preview.html](http://www.itu.int/WORLD2006/forum/programme_preview.html)

## Driving the Future of IPTV



Broadband connectivity with enhanced network capabilities provides a foundation for new and exciting multimedia services. For example, IPTV describes a scenario where digital television-like services are delivered using internet protocol over a broadband network infrastructure. For residential users, this type of service is typically combined with video-on-demand, which may form part of a multiple-play package combining voice, video and internet access. IPTV



is poised to offer new forms of content interactivity as well as competition with current TV delivery mechanisms and business models.

Until recently, development of IPTV technologies has been hampered by limited availability of broadband connectivity. However, with rapid growth in broadband access speeds and now over 250 million subscribers worldwide, most of the world's major communications providers are exploring IPTV as both a revenue opportunity and as a defensive stance against cable television or other multiple-play offerings. Multimedia Research Group estimates that IPTV subscribers worldwide will grow from 3.7 million in 2005 to 36.9 million by 2009.

Global deployment of IPTV requires both technical innovation and adjustments in current policy and regulatory approaches based around previously structurally separate networks and services. In this regard, ITU-T organized an IPTV Global Technical Workshop that examined the current state of global IPTV evolution and challenges that must be addressed to ensure broader availability including, *inter alia*, technical developments and operational aspects; case studies of existing deployments; evolution in business models; content licensing issues; and current policy and regulatory hurdles. The event was held from 12 to 13 October 2006 in Seoul, Republic of Korea, and was hosted by Korea Telecom, Samsung Electronics, IPTV Forum Korea and Telecommunications Technology Association. The programme for this event was developed in collaboration with the ITU Strategy and Policy Unit.

For more information on the ITU-T IPTV Global Technical Workshop and background documents prepared for this event, please see [www.iptv-ws.com](http://www.iptv-ws.com) or [www.itu.int/ITU-T/IPTV/index.phtml](http://www.itu.int/ITU-T/IPTV/index.phtml).

## Workshop on Market Mechanism for Spectrum Management



Under the "Shaping Tomorrow's Networks Programme", ITU and the Ugo Bordoni Foundation (Italy) will jointly organise a workshop to identify global trends and good practice in radio spectrum management on 22-23 January 2007 in the ITU Headquarters in Geneva, Room C.

The workshop will examine, *inter alia*, the use of market mechanisms for both primary allocation of spectrum (e.g., auctions) and for secondary trading. It will look at recent trends in ITU Member States, the increasing demand for spectrum and will examine future challenges in developing policies for access to radio spectrum.

This timely workshop, being held in the same week as the ITU-R Radiocommunication Advisory Group, will present an unusually broad and deep look at the full range of issues affecting today's "spectrum wars".

The draft agenda as well as regularly updated information concerning the meeting can be found on the ITU website at [www.itu.int/spectrum/](http://www.itu.int/spectrum/). Written contributions are welcome and can be submitted via the website. Online registration for the event will open on 1 November 2006. You are invited to register for the event at [www.itu.int/spectrum/registration.html](http://www.itu.int/spectrum/registration.html). A selection of thematic papers will form the basis for discussion.

The workshop will look to address the following issues:

- What is the spectrum debate all about?
- How will the use of market mechanisms improve spectrum efficiency?
- New technology, markets and changing spectrum requirements;
- New approaches to spectrum management worldwide: country experiences;
- Mapping the future of convergence and spectrum management.

The meeting is open to all WSIS stakeholders, including Member States, ITU Sector Members, international organizations, WSIS accredited NGOs, civil society entities and business entities.

## A Multi-Stakeholder Partnership for Shaping Tomorrow's Networks



WSIS has made world leaders fully aware of the importance of ICT in national development, and highlighted the

fact that ICT is not only about technology, but also about people and their potential.

With this in mind, the ITU Strategy and Policy Unit, in collaboration with the Ugo Bordoni Foundation (Italy), the United Nations Environmental Programme (UNEP INFO/RAC-MAP) and the European Broadcasting Union have formed a multi-stakeholder partnership entitled "Shaping Tomorrow's Networks (STN)".

This dynamic multi-stakeholder partnership is focused on the area of ICT convergence and is one of a series of follow-up initiatives to the World Summit on the Information Society.

It is aimed at analysing tomorrow's networks that will allow a faster and more efficient global information exchange, and identify potential enabling technologies and suitable business models.

## Become a STN Partner



*Partnerships are the cornerstone of ICT development...*

Reflecting the entire ICT sector: The Shaping Tomorrow's

Networks Programme is an open, multi-stakeholder initiative that benefits from the active participation of governments, the private sector, international organizations and civil society.

- A unique opportunity: STN capitalizes on the strengths of its diverse membership by building a coalition that is greater than the sum of its parts.
- A neutral forum: STN is a global partnership for members, designed for the sharing ideas, experiences and best practices and intended to facilitate the identification and creation of new opportunities for growth and development.
- A true partnership: Each STN partner contributes according to its individual circumstance and capacity.

All information resources under the Shaping Tomorrow's Networks Programme (background resources, thematic papers, country case studies, presentations, workshops etc.) are available on the STN website at [www.itu.int/stn/](http://www.itu.int/stn/) or by contacting [stnprogramme@itu.int](mailto:stnprogramme@itu.int).

## ITU Plenipotentiary Conference 2006



The Plenipotentiary Conference is the top policy-making body of the ITU. Held every four years, the Conference sets the Union's general policies, adopts strategic and financial plans and elects the senior management team of the organization, the members of Council

([www.itu.int/aboutitu/overview/council.html](http://www.itu.int/aboutitu/overview/council.html)) and the members of the Radio Regulations Board ([www.itu.int/aboutitu/overview/rrb.html](http://www.itu.int/aboutitu/overview/rrb.html)). It is the key event at which ITU Member States decide on the future role of the organization, thereby determining the organization's ability to influence and affect the development of Information and communication technologies (ICT) worldwide. The 17<sup>th</sup> ITU Plenipotentiary Conference will take place from Monday, 6 November to Friday, 24 November 2006 in Antalya, Turkey.

Issues that ITU Member States are expected to consider during the Conference include, among other things: allowing civil society better access to the Union's activities; changing the organization's name to take account of a perceived need to reflect better the information society; and allowing standards development organizations, forums and interested bodies to participate more during the World Telecom Standardization Assembly (WTSA). The PP will also be charged with updating those Resolutions that deal with the internet and other IP-based networks, including Resolutions 101, 102, 130 and 133.

To view the contributions into the Plenipotentiary Conference, see the main website, at: [www.itu.int/plenipotentiary/2006/index.html](http://www.itu.int/plenipotentiary/2006/index.html).

## ITU Telecom World 2006



ITU TELECOM World 2006 "Living the Digital World" will take place in Hong Kong, China from 4 to 8 December. At the exhibition, leading ICT companies will be showcasing their products and services to executives from both private and public sectors around the world. The Forum part of the event brings regulators, decision-makers, and leading ICT companies together to discuss critical issues that require dialogues among different stakeholders. The Forum is divided

into three domains. **Digital Ecosystems** looks at the business side of the digital world, where traditionally separate industries are increasingly competing in the converging markets, while **Digital Lifestyles** focuses on the consumers' preferences and behaviours. Sessions under the **Digital Society** cover challenging regulatory environments. Top names including CEOs, regulators, and ministers participating in the Forum can be found at the TELECOM website. TELECOM World also includes the Youth Forum and the Telecom Development Symposium. Providing more insights of the issues discussed in the Forum, the publication of this year's Internet Report, entitled "digital.life" will also be announced at TELECOM. To catch up with today's and tomorrow's hot topics in ICTs, ITU TELECOM World 2006 provides the best ground.

For more information, please visit the TELECOM website at: [www.itu.int/WORLD2006/](http://www.itu.int/WORLD2006/).

## FORTHCOMING EVENTS

Date, Venue	Organizing Entity
<b>6-24 November 2006</b> <b>Antalya, Turkey</b>	ITU
<b>ITU Plenipotentiary Conference</b> <a href="http://www.itu.int/plenipotentiary">www.itu.int/plenipotentiary</a>	
<b>4-8 December 2006</b> <b>Hong Kong, China</b>	ITU
<b>ITU Telecom World 2006: Experience 'Living the Digital World'</b> <a href="http://www.itu.int/world2006">www.itu.int/world2006</a>	
<b>8 Dec 2006, 09:30 - 17:30, Forum Room 3</b> <b>Hong Kong, China</b>	ITU
<b>Event at ITU Telecom World 2006: Countering Spam Cooperation Agenda</b> <a href="http://www.itu.int/world2006/forum">www.itu.int/world2006/forum</a>	
<b>15-16 January 2007</b> <b>Geneva, Switzerland</b>	SPU
<b>The Future of Voice</b> <a href="http://www.itu.int/spu/voice">www.itu.int/spu/voice</a>	
<b>22-23 January 2007</b> <b>Geneva, Switzerland</b>	ITU/ Ugo Bordonni Fondation
<b>Market Mechanisms for Spectrum Management</b> <a href="http://www.itu.int/spectrum">www.itu.int/spectrum</a>	

## World Information Society Report 2006: update



The World Information Society Report 2006 launched in July is the first of a new annual series of reports tracking growth in Digital Opportunity and the evolution of the Information Society. In only four months, the report has been downloaded by more than 90'000 unique users and continues to enjoy a large international coverage in the media as well as in the researchers' community.

For more information and to download the report, please visit [www.itu.int/wisr](http://www.itu.int/wisr).

For more detailed information about these and other SPU activities, please visit [www.itu.int/spu](http://www.itu.int/spu).



## IN-DEPTH ARTICLE

## Latest ITU Report examines our new digital.life



**ITU INTERNET REPORT 2006: digital.life** is the eighth in the series of "ITU Internet Reports" originally launched in 1997 by the International Telecommunication Union, and will be released at ITU Telecom World in December 2006.

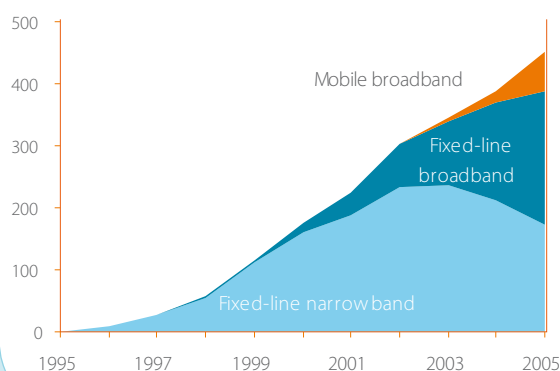
The so-called digital revolution is well on its way, and although in some sectors (e.g. broadcasting) digitization is not yet complete, the direction of change is clear and irreversible. Always-on internet access has become the norm, with people spending more and more time consuming digital media than any other form. Daily lives from the Czech Republic to China are brimming with SMS, email, chats, online dating, multiplayer gaming, virtual worlds and digital multimedia. Although these technologies mean added convenience and enjoyment for many, regulators and users alike are often a step behind fast-paced innovations in this field. Similarly, businesses continuously struggle to create new revenue streams and extend their influence on the market.

The new ITU report digital.life delves into how individual lives are changing in the digital age. It begins by examining the underlying technological enablers of new digital lifestyles, from upgrading network infrastructure to value creation at its edges. In studying how businesses are adapting to fast-paced digital innovation, the report looks at how they can derive value in an environment driven by convergence at multiple levels. The question of extending access to underserved areas of the world is considered as an important priority. In light of media convergence, a fresh approach to policy-making may be required, notably in areas such as content, competition policy, and spectrum management. Moreover, as our lives become increasingly mediated by digital technologies, the role of digital identities (both abstract and practical) presents a new challenge. Concerns over privacy and data protection are not being sufficiently addressed by current methods online. As such, the report outlines the need for improving the design of identity management mechanisms for a healthy and secure digital world.

[www.itu.int/digitalife](http://www.itu.int/digitalife)

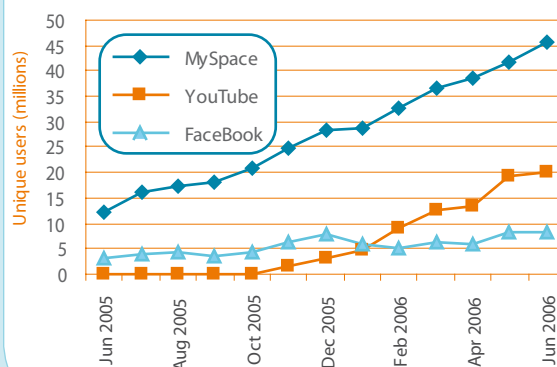
### digital.life highlights

Internet subscribers worldwide, in millions



Source: ITU Information Society Statistics Database

Unique users of social networking sites



The report includes chapters on enabling digital technologies and lifestyles, digital business, digital identity, as well as comprehensive statistical tables covering over 200 economies. For more information about the report, please see [www.itu.int/digitalife](http://www.itu.int/digitalife) or contact [lara.srivastava@itu.int](mailto:lara.srivastava@itu.int).

For previous titles in the series, e.g. The Internet of Things and The Portable Internet, please see [www.itu.int/spu/publications/internetreports.html](http://www.itu.int/spu/publications/internetreports.html).