

“INTECO: National Institute of Communication Technologies”

June 2006



**Instituto Nacional
de Tecnologías
de la Comunicación**

Agenda

- 1. Introduction**
- 2. Mission and Goals**
- 3. Working Lines**
- 4. Current Activity**
- 5. Future Activity**

Introduction (1)

□ The National Institute of Communications Technologies (INTECO) is:

- promoted by the **Ministry of Industry, Tourism and Commerce** of the Spanish Government
- A platform for the development of the **Information Society** through projects related to innovation and technology.

➤ **Information Society (IS):** use of computers and telecommunications in everyday's life and work.
http://europa.eu.int/information_society/

□ Born in January 2006, starting activities now, main departments should be operational by end of year

Introduction (2)

□ Main Goals:

- Contribute to the convergence of Spain with Europe in the IS within the “Plan Avanza”
 - “Plan Avanza”: Group of actions of Spanish Government to increase IS spread and related economical activities.
- Promote regional development in León rooting a project with global scope.

□ Will develop, among others, initiatives of technological security, accesibility and inclusion in digital society, and communication solutions for individuals and organizations.

Introduction (3)



león españa

p. ej., "hoteles cerca de lax" o "10 market st, san francisco"

Búsqueda

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Mapas



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Instituto Nacional de Tecnologías de la Comunicación

Mission

- ❑ Inteco's **mission** is to drive and develop innovation projects related to information and communications technologies and in the IS in general, to strengthen the position and competitiveness of Spain, extending its capabilities in the European and Latin-american environments.

- ❑ Inteco's **vision**:
 - Short term: Start projects related to IS
 - Medium term: strengthen its position in this environment as an innovative programs and projects center.
 - Long term: Consolidate as a centre of excellence in Europe in innovation projects.

Goals

- ❑ Development of applied research programs in the IS and Information and Communication Technologies (ICT) areas.
- ❑ Drive academic proposals which add value to the position of Spain and Europe in the IS environment.
- ❑ Development of content projects related to intensive use of ICT.
- ❑ Create in León a ICT cluster defined by a high innovation capability.
- ❑ Ease crossed use of technology among different sectors (public administration, law enforcement, health care system, etc).

Work Lines (1)

- ❑ **Accesibility:** social inclusion program that promotes equity of all citizens accessing IS benefits and the development of projects to this end.
- ❑ **Technical Security:** aimed to place the coordination basis for different public sector initiatives around Computer Security; coordination of applied research and specialised education in the area of secure use of ICT.
- ❑ **ICT innovation for small and medium companies:** development of innovative solutions that favours intensive and strategic usage of ICT to small and medium companies, with the goal to enhance its productivity and competitiveness.

Work Lines (2)

□ Citizens and the Internet:

- drive projects that contribute to enhance democratic quality by enabling a greater and easier interaction between the administration and citizens.
- Study of new ways to improve popular participation and the establishment of a more interactive relationship between citizens and its elected representatives.

□ E-salud (health care): innovation and use of ICT in the areas of health system management and telemedicine.

Current Activity (1)

Alerta-Antivirus.es (Antivirus Early Warning Centre)

- ❑ Started in 2000
- ❑ Targeted towards raising awareness of computer security issues for home users and small organizations
- ❑ Web site updated daily with information about viruses and other common threats.
- ❑ Alert services by e-mail, RSS, irc-hispano, teletext.
 - Colaboration with other media (TV, radio, magazines)
- ❑ Very active web based discussion forums.

Current Activity (2)

Sensor Network

- ❑ Composed of antivirus scanners in e-mail servers.
 - Different antivirus vendors
 - Different organizations, around 80, public sector, private sector, ISPs
 - Daily reports of detected malware
- ❑ Correlation of malware naming of different vendors
- ❑ Vendor independent information about email worm activity.
- ❑ Example: Grew worm (aka Kamasutra) January 2006
 - Dubiously reported as very dangerous by some vendors
 - Few detections in our sensors network
- ❑ Future: Other malware (nephentes?), XML data exchange (IODEF?)

Current Activity (3)

Estadísticas sobre virus - Mozilla Firefox

Archivo Editar Ver Ir Marcadores Herramientas Ayuda

http://alerta-antivirus.red.es/virus/estad_espa.php

Mapa del Sitio | RSS

Alerta-Antivirus

Centro de Alerta Temprana sobre Virus y Seguridad Informática

Virus Seguridad Ayuda Suscripción Participa Útiles Gratuitos

red.es

Buscar

Los virus más extendidos en España

Periodo: Últimos 7 Días Desde: 26/06/2006 Hasta:

En Total España Mostrar 10 Filas Ver

Nombre	Incidencias	Peligrosidad	Descubierto
Netsky.P	773.190 (44.9 %)	4 - Alta	22/03/2004
Netsky.B	617.870 (35.9 %)	4 - Alta	18/02/2004
Netsky.Q	86.146 (5.0 %)	4 - Alta	29/03/2004
Netsky.I	70.260 (4.1 %)	2 - Baja	08/03/2004
Netsky.D	26.461 (1.5 %)	3 - Media	01/03/2004
Netsky.Z	24.491 (1.4 %)	3 - Media	22/04/2004
Zafi.D	22.730 (1.3 %)	4 - Alta	14/12/2004

Leído alerta-antivirus.red.es

Current Activity (4)

- ❑ Coordination with NIST to translate NVD vulnerabilities database to Spanish. (<http://nvd.nist.gov>)
 - Translation console in NIST web site
 - Vulnerabilites and translations available in XML feeds

- ❑ Anti-spam working group
 - Code of conduct for electronic marketing in Spain

- ❑ Anti-fraud working group
 - Coordination with ISPs, law enforcement and financial entities in Spain.
 - Reporting procedure of phising sites to ISPs.

Future Activity (1)

Observatory of Information Systems Security

□ Studies, statistics, polls:

- Internet use and user confidence
- Companies use and confidence in ICT
- Specific groups
- ...

□ development of a “Security Encyclopedia”

Future Activity (2)

Demonstrator Centre of Security for companies

- ❑ Visualization and demonstration of adequate ICT configurations for different types of organizations
- ❑ Laboratory for testing and comparative analysis of computer security products (antivirus, firewalls, IDS...)
- ❑ Infraestructure available for developers of security products for testing.

Future Activity (3)

CSIRT – “Incident Response Center For Companies and Citizens”

□ Initial constituency: SMEs (Small and Medium Enterprises) and end users.

- SMEs (< 250 employees) usual target of development policies in Spain.

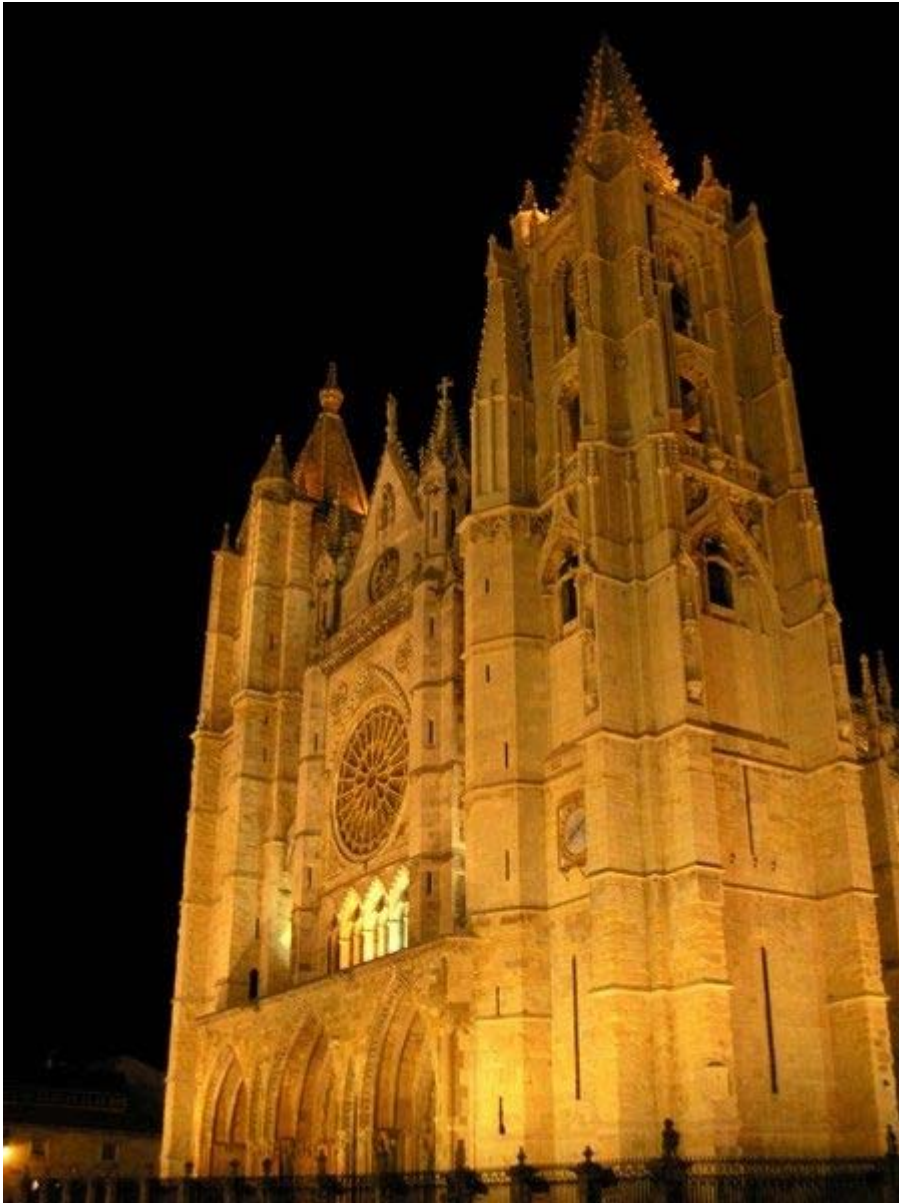
- Reactive services
 - Alerts and warnings
 - Incident Management
 - Vulnerabilities management
 - Malware management

- Proactive services
 - Security audit
 - Technical assistance in security configurations.
 - Security tools development

CSIRT – “Incident Response Center For Companies and Citizens”

- Security management services
 - Risk management
 - Contingence and recovery planning
 - Security consulting
 - Training
- We are still looking for a name, any suggestions?

Visitors welcome!



Visitors from other national CERTs willing to share experiences and help us will be very welcome in León!

How about having a national CERT meeting in León next year after 19th FIRST conference in Sevilla?



Thank you!

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