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SUMMARY

All the .it numbers... in 4 months!
by Domenico Laforenza

Welcome to the first edition of .it Quarter of the Italian Registry. Registry statistics are now updated daily and you can view real-time data on the website www.registro.it. However, the daily work of the Registry, its Registrars and the communication require more details, different points of views and focus on particular aspects. For this reason, 25 years after the birth of .it, ".it Quarter" is created, a quarterly with information and data on Internet domains and on the figures that punctuate their world.

The new magazine will replace the Yearbook of the Registry of the Italian domanis, a publication that accompanied us from 2004 to today and that to this point has enabled us to offer a year of numbers, news and events to the Registrar world and the media. However, given its release schedule, the Yearbook, is now not able to tell the entire story of .it at the speed with which we now send and absorb data and information.

This has led to the decision to align ourselves to many European Registries and publish a quarterly update of the Registry numbers, news, also technical, activities of the Steering Committee of the Registry (Cir), national and international events on domains, with space for the exploration of the most interesting themes and projects.

The quarter issues will offer a different perspective from the statistics proposed on the site, and the data will often be original and from time to time seek to provide a specific focus.

At the same time will inform you of the activities of the various working groups of the Cir and applied research projects – that from 2013 the Italian domain registry funds directly on Cir proposals – providing updates and analysis of each in every edition of ".it Quarter".

The new Registry magazine is a tool that we hope will allow us to improve communication with the "stakeholders", but also to inform all interested parties, including the media, on what's happening in domains' world.

Domenico Laforenza
Head of the .it Registry

	Jan	Feb	Mar	Apr
New domains	47.692	45.470	49.763	41.055
Deleted domains	29.323	22.602	33.733	44.709

LEGEND
- ■ New domains
- ■ Deleted domains
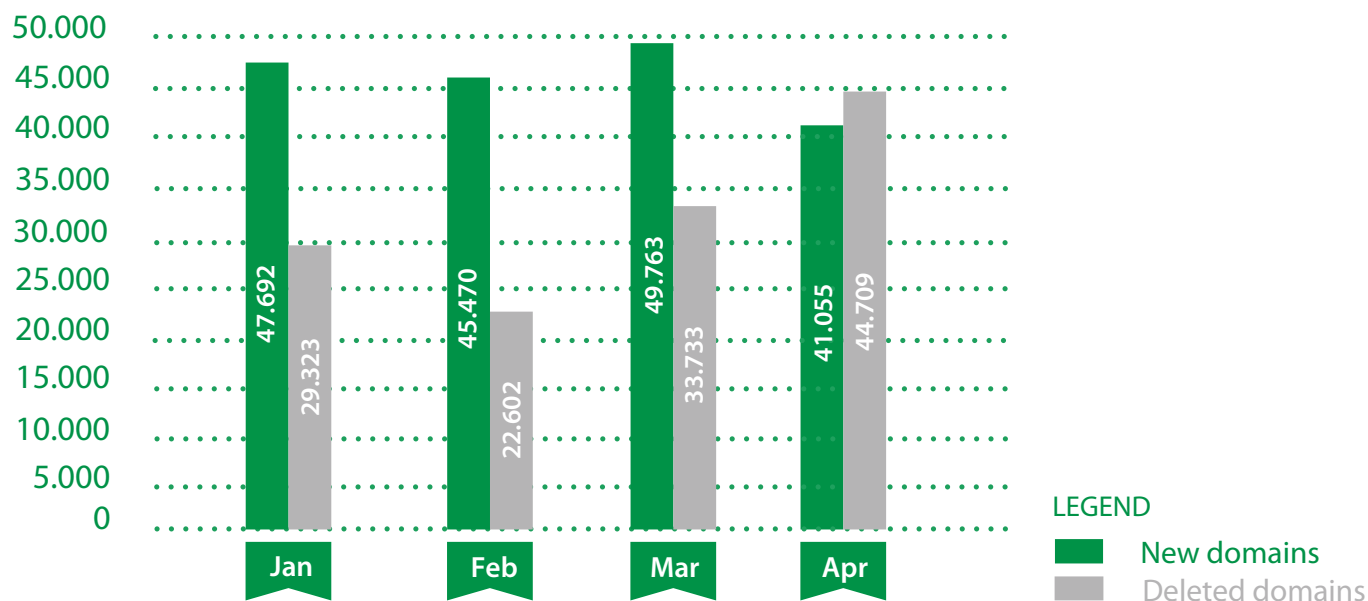
GROWTH

In the first four months of 2013 more than 60,000 new domains were registered.

	Jan	Feb	Mar	Apr
COMPANIES	43%	44%	45%	44%
PERSONS	40%	39%	39%	39%
FREELANCES	6%	6%	5%	5%
OTHERS	11%	11%	11%	11%
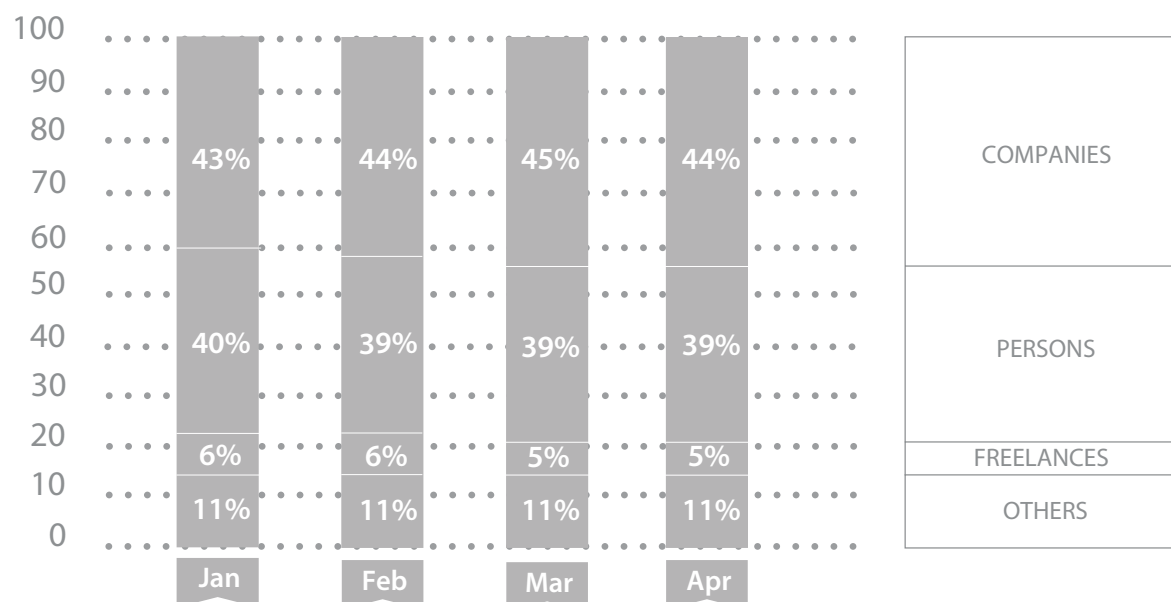
ENTITY TYPES

Businesses again ranked first in terms of the number of registered domains (82,466). In the four months individuals were placed second with no less than 73,929 .it names.

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Top regions chart:

- LOMBARDIA: 18%
- LAZIO: 12%
- PIEMONTE: 10%
- VENETO: 8%
- EMILIA ROMAGNA: 8%
- OTHERS: 44%
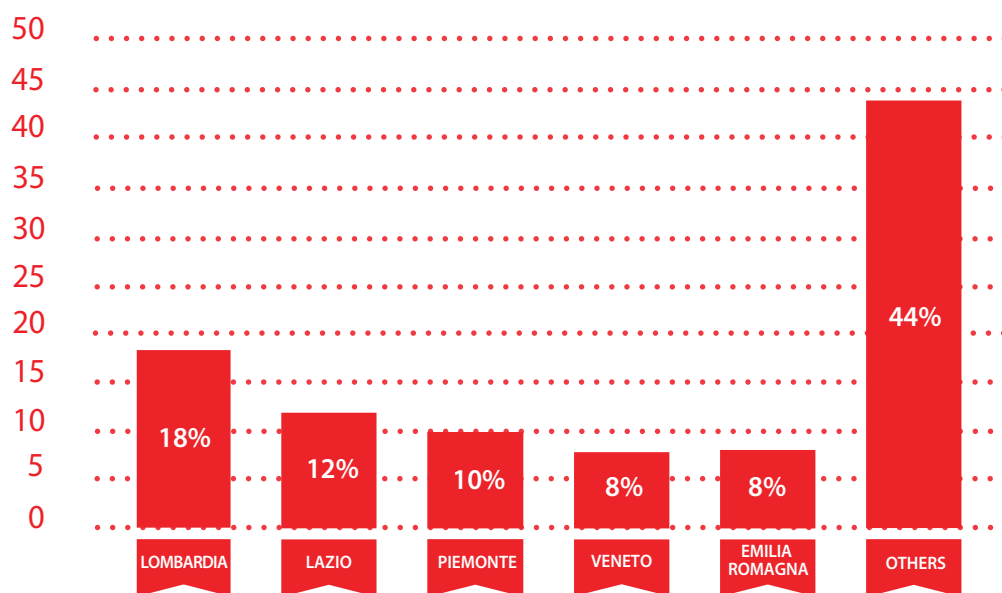
TOP REGIONS

Most names were registered in the North of Italy.

Top EU chart:

- GB: 35%
- DE: 26%
- FR: 9%
- NL: 7%
- ES: 3%
- OTHERS: 20%
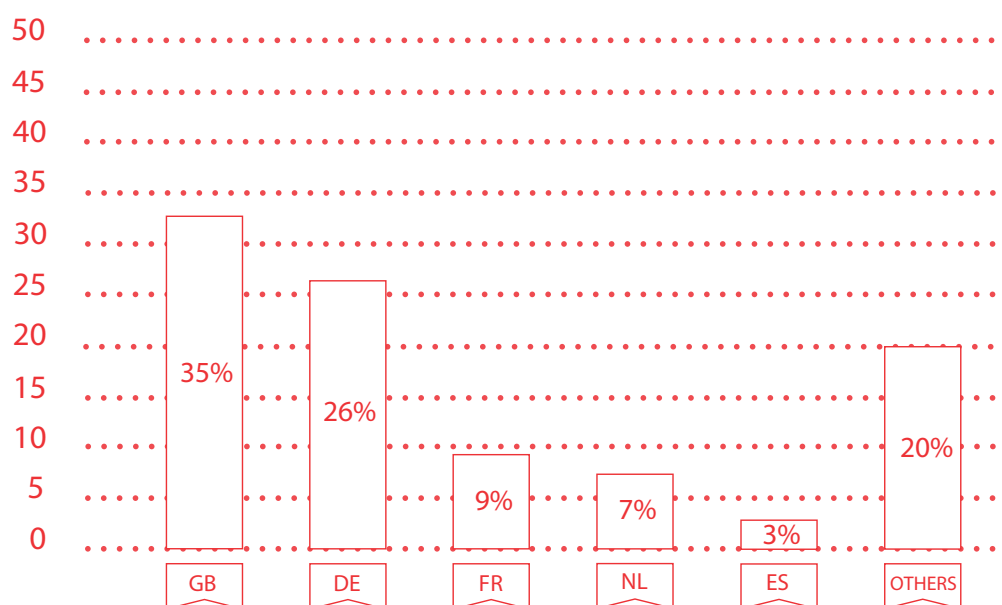
TOP EU

With 8,190 names, the United Kingdom was at the top of the classification for domains registered by foreigners.

Registry funded projects

At its meeting of 05 December 2012, the Steering Committee agreed that the Registry will fund the following projects: strategic cluster marketing, Teaching in the Internet Age, Isolario and Capp.

The projects, created from stakeholder feedback, and based on the ideas of Iit-Cnr researchers, will be coordinated by the Registry and initiated in 2013.

News from the Working Group on Regulations (Glr)

The Glr is responsible for the revision and updating of the Regulations and Guidelines, to remove references to the asynchronous system and introduce innovations such as droptime, as well as solutions that allow the end of the whois authenticated service. The revision will affect all the rules and procedures of .it names, with the aim of producing more streamlined and readable documents for both Registrants (and users in general) and Registrars (and sector employees).

News from Cir

The Steering Committee of the Registry, the advisory body of the Registry of Italian domains, concluded its first year of operations with the sixth meeting, held in Pisa on March 21, 2013. The Committee is assisted permanently by the Working Group on Regulations for working groups instituted ad hoc for issues related to the registration of .it names. All information on the Committee is available online at: http://www. nic.it/conosciamoci/comitato-di-indirizzo-del-registro

News from the Dnssec Working Group

The main aim of the Dnssec Working Group of the Address Registry Committee is the analysis of various scenarios stemming from the introduction of Dnssec in .it, the identification of the most appropriate policies for its implementation and active participation in the research phase, with a view to the entry into production of Dnssec in early 2014.

The working group (GI) in question consists of seven members, including three from the Registry and four representing the Registrars.

HIGHLIGHTS

New contract for the Registrars
by Rita Rossi

On 29 April, the new Registry-Registrar contract was published on the website of the Registry and on the RAIN-NG portal.

There are essentially three changes in the new contract:

1. **The priority of the contract over the Regulation changes**: while the Registrars are still obliged to observe the Regulation and relative guidelines, that written in the contract prevails in the case of conflict between the contents of the contract and the Regulation (Article 3 of the Contract, Interpretation of the contract with respect to the Regulation);

2. **Greater transparency in the Registrar/Registrants relationship**: the new contract modifies the obligations of the Registrar, subject to article 10, with a particular focus on the Registrant, to ensure that they are familiar with and able to manage the domain name assigned, with the release by the Registrar of the AuthInfo code within five days from the completion the relative registration or maintenance operations;

3. **Requirement for documentation**: obligations for documentation have been revised for contracts from 2013 to 2016. The Registrar is required to provide to the Registry documentation relevant to the registration and maintenance of the domain name in writing or in the equivalent form, pursuant to the Digital Administration Code, Legislative Decree of 07 March 2005 no. 82. Failure to comply with the obligations included in the contract give rise to the application of fees for irregularities, penalties and suspensions in compliance with the adversarial principle.

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Isolario: the new italian map of the Internet
by Enrico Gregori

The Internet is often seen as an archipelago of interlinked national/ geographical realities. Understanding the map of this archipelago is of paramount importance in addressing the challenges of the Internet of the future and in understanding its main characteristics such as its resilience, performance, criticality and efficiency.

The Isolario research project was created for this reason. It was designed by a team of researchers from the Institute of Informatics and Telematics (Iit) and the Department of Information Engineering of the University of Pisa, in the wake of the experience and achievements in the field of networking based on Pisa research since the '70s, when the Internet was first conceived. The Internet has a markedly hierarchical representation (its domains are arranged like the "nodes" of a "reverse" tree with roots and leaves), but its internal structure is virtually unknown because, for economic reasons related

Enrico Gregori

to the business and competition, the majority of companies offering Internet services do not provide any topological data on the network they own and manage, or the connections between them.

From the early 2000s, there have been numerous attempts to represent the structure of the Internet. However, these tended to create a rather imprecise map as the points of observation or monitors were very limited in number, and because they used a top-down observation paradigm, analysing the Internet from the bottom (the roots) upwards (the leaves) and thus obtaining a "blurry" image of the "periphery" to which the average user is often connected.

Isolario seeks to offer a monitoring system for the infrastructure of the Italian Internet by overturning the top-down observation paradigm and replacing it with a bottom-up paradigm, in which the Internet is explored from the bottom upwards.

The research involves using both passive methods, based on the analysis of routing information at a BGP level and active methodologies that use traceroute tools.

The observation points chosen by Isolario to measure the topological features of the Internet are smartphones and tablets, core components of the Internet of the future.

The Portolan app was developed for this purpose. It takes its name from the ancient Portolan charts that were manuals for naval navigation in the Middle Ages, updated and prepared on the basis of the reports and the experience of seamen.

Just as for the ancient Portolan charts, the Portolan app is configured as a system consisting of Internet "navigators" who use mobile devices such as smartphones and tablets to conduct micro-measurement campaigns.

The data obtained from these surveys are sent to a central server which processes and reassembles them like the many pieces of a mosaic to recreate the structure of the Internet. The more "navigators" there are participating in the research, the more accurate and detailed map of the Internet.

The Portolan app is suitable for Android smartphones and can be downloaded from the Android Market at https://play.google.com/store/apps/details?id=it.unipi.iet.portolan.traceroute

The iPhone app is now in the debugging phase and will soon be available.

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Icann

The 47th Icann Meeting will be held in Durban in South Africa.
Each year Icann organises three public meetings in three different parts of the world. The meetings offer various stakeholders the chance to learn about and discuss issues related to Icann policy.
For further information visit http://durban47.icann.org/

Ripe NCC

Ripe Ncc will hold the Enog 5/Ripe Ncc Regional Meeting in St. Petersburg on 27 and 28 May. Enog is the regional forum where professionals involved with operational matters essential to the Internet can share knowledge and expertise on topics particularly affecting the Russian Federation, the States of the former Soviet Union and in all countries of Eastern Europe in general.
To view the programme and register for the workshop, visit http://www.enog.org/meetings/enog-5/

Registry courses

Registrations are open for upcoming Registry courses that as always will address themes closely linked to the work of Registrars.
The first course will be held in Venice from 25 to 28 June and will analyse the development of sites with Drupal.
The second will be held in Pisa on September 18 and 19 and will focus on e-mail for system administrators.

speakers: Daniele Vannozzi e Rita Rossi