3

QUARTER

2014

.it

Without a name it remains a dream

STORIE ITALIANE

Ere now it has been related how Ahab was wont to pace his quarter-deck, taking regular turns at either limit, the binnacle and mainmast; but sometimes in these walks, when most plunged in his mood, he was wont to pause in turn at each spot, and stand there strangely eyeing the particular object before him.

JONATHAN KARPATHIOS
Hotel Seeker

"

There now is your insular city of the Manhattoes, belted round by as Indian isles by coral commerce surrounds it with her surf.

LEGGI TUTTO

LORENZO BRESSA
In Your Food

Registering a domain is a decisive moment, the moment in which an idea acquires a name. "Without a name it remains a dream" is the name we have chosen for the Registry marketing campaign that will begin at the end of January 2015.

The campaign will give support to the current and future businessmen who wish to organise their own digital presence in the best way, supporting them from a technical, creative and promotional point of view, with the objective of increasing the registration and renewals of .it domains. Users who register on the site for the campaign will have multiple benefits: an occasion for visibility at the moment of the choice for "domain of the month", promoted on our home page and through social media and access to a private section, dedicated to contents and the study of graphic material to download, designed to promote one's own activities.

For further information on how to join the campaign: https://rain-ng.nic.it/rain/documents

Month	New domains	Deleted domains
Jan	44.366	30.967
Feb	42.893	26.508
Mar	45.859	34.015
Apr	41.265	44.239
May	39.850	33.627
Jun	35.304	30.921
Jul	41.633	33.220
Aug	32.809	32.732
Sep	39.406	22.182
Oct	48.164	24.354
Nov	46.213	30.115
Dec	36.953	30.208

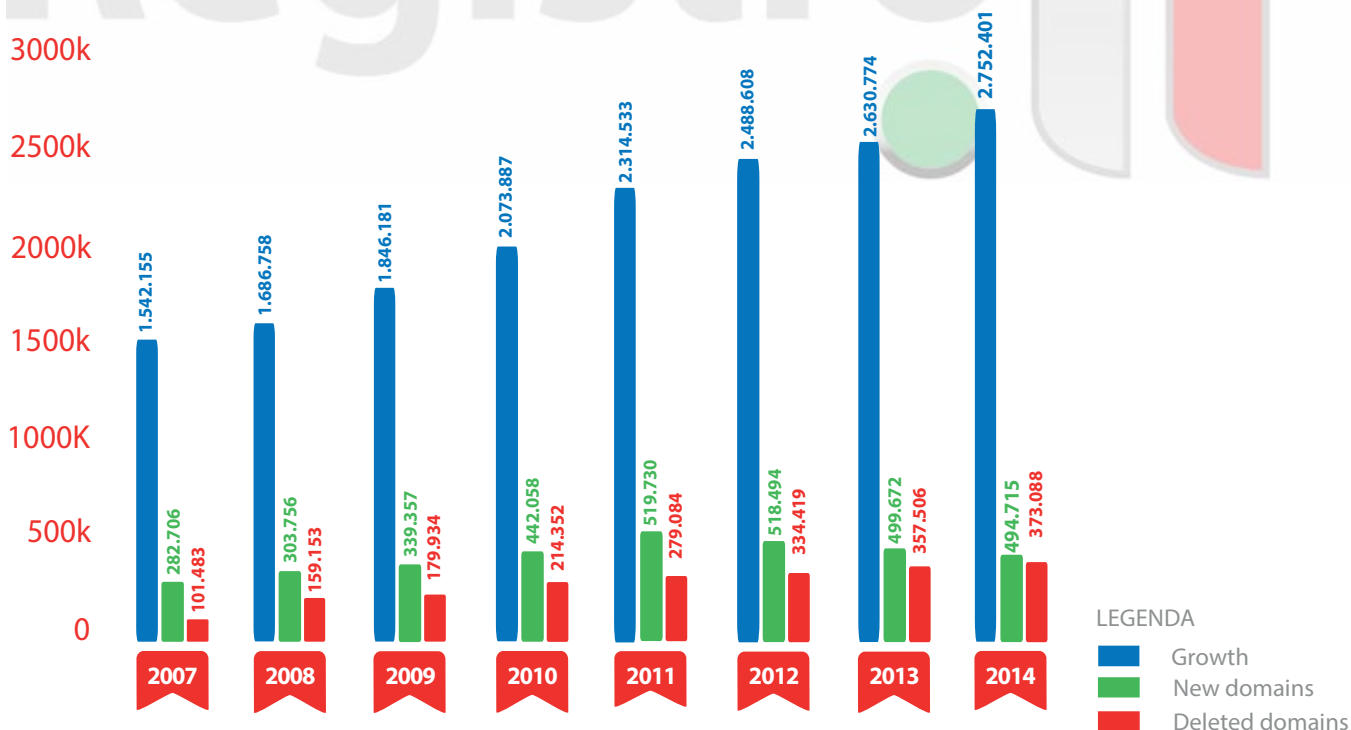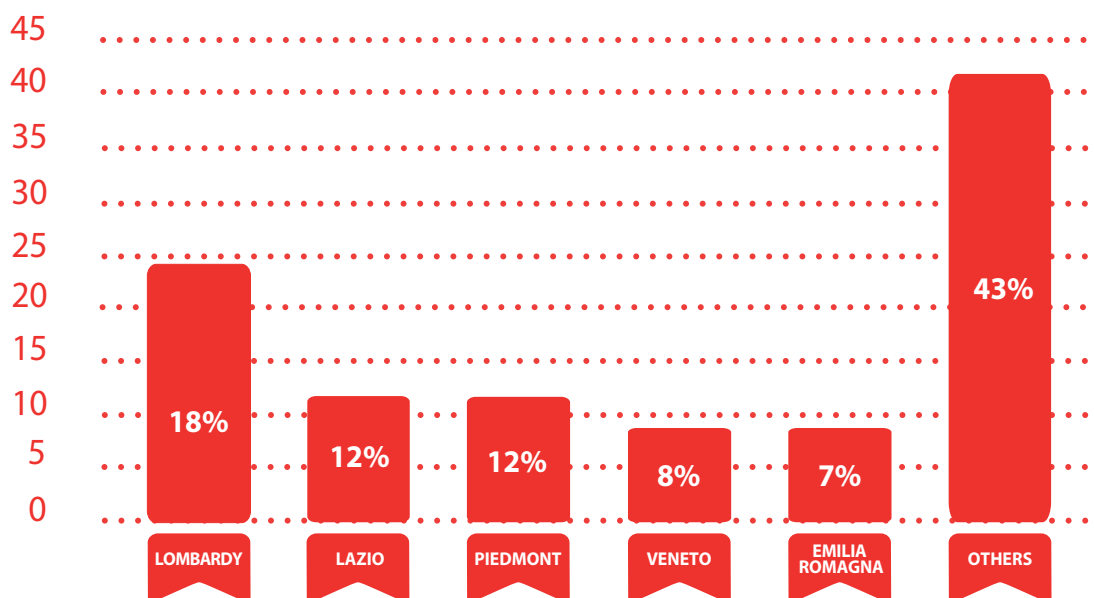## GROWTH OF NEW REGISTRATIONS

The peak of 2014 registrations was achieved in October or November of 2014. In October in particular, the growing data was flanked by a constant decrease in the number of cancellations (in net contrast with the annual trend).
For the rest in general, September, October and November (with an average monthly growth net of cancellations of, respectively, 17,224, 23,810 and 16,098 domains), together with the first three months of the year (January with 13,339 domains, February with 16,385 and March with 11,844), are confirmed as the busiest in terms of registration
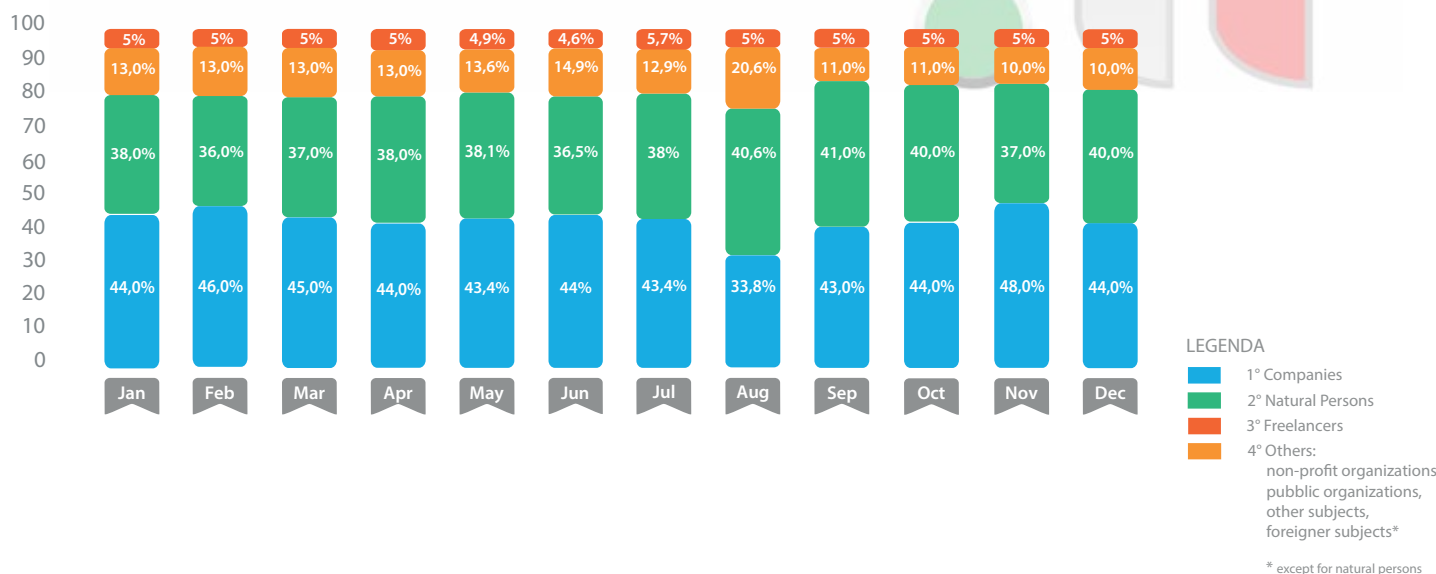

Year	Growth	New domains	Deleted domains
2007	1.542.155	282.706	101.483
2008	1.686.758	303.756	159.153
2009	1.846.181	339.357	179.934
2010	2.073.887	442.058	214.352
2011	2.314.533	519.730	279.084
2012	2.488.608	518.494	334.419
2013	2.630.774	499.672	357.506
2014	2.752.401	494.715	373.088

ANNUAL GROWTH

The year 2014 closes with almost 2 million and 700 thousand domains. Over 121 thousand names more than those registered in 2013

45
40
35
30
25
20
15
10
5
0

LOMBARDY	LAZIO	PIEDMONT	VENETO	EMILIA ROMAGNA	OTHERS
18%	12%	12%	8%	7%	43%

TOP REGIONS

The North with Lombardy remains at the top of the regional rankings, with more .it domain names registered (18% of the total). The true novelty of this latest quarter is that Central Italy with Latium has earned a second position together with the Piedmont (12%). The third place belongs to the northern bastion of Venetia (8%)

100
90
80
70
60
50
40
30
20
10
0

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
3° Freelancers	5%	5%	5%	5%	4,9%	4,6%	5,7%	5%	5%	5%	5%	5%
4° Others	13,0%	13,0%	13,0%	13,0%	13,6%	14,9%	12,9%	20,6%	11,0%	11,0%	10,0%	10,0%
2° Natural Persons	38,0%	36,0%	37,0%	38,0%	38,1%	36,5%	38%	40,6%	41,0%	40,0%	37,0%	40,0%
1° Companies	44,0%	46,0%	45,0%	44,0%	43,4%	44%	43,4%	33,8%	43,0%	44,0%	48,0%	44,0%

LEGENDA

1° Companies
2° Natural Persons
3° Freelancers
4° Others:
non-profit organizations
pubblic organizations,
other subjects,
foreigner subjects*

* except for natural persons

ENTITY TYPES

Classification among the various types of domain registrants offers no surprises: companies and physical persons continue to challenge one another by trading shots and .it names. Over the course of the year the margin in favour of the first with respect to persons was about 7%, but in the last quarter the margin dropped notably (3%), with the exception of November where the gap was 11% in favour of companies

IF2014: results

250 events, **17** locations, **100** entertainers and **270** speakers from 5 continents, some **60** start-ups (10 of them chosen by .itCup, the competition business of the .it Registry), **82** learning tours, **72** meetings between panels and workshops. **18,000** persons, in addition to thousands more in streaming links, enlivened Pisa for 4 days.
The appointment for the IF 2015 will be next October (8-11).

We hope to see you there! (http://www.internetfestival.it/)

Ludoteca .it: events 2014

Many events in which the Ludoteca participated in the last quarter of 2014:

• **Bright** – Researchers' Night in Tuscany, Pisa, 26 September
• **Smart Education & Technology days**, Naples, 9-10-11 October
• **CreAttiva 2014**, San Felice sul Panaro (Modena), 17 October
• **ABCD**, Genoa, 5-6-7 November
• **Go On Italia** - Basilicata, Potenza, 24 November

.itCup: how it went

.itCup (http://www.itcupregistro.it/it), the business competition sponsored by the .it Registry, has confirmed the success achieved in 2013 with 87 applications and 10 finalists selected.

The winners and their prizes: **"Fatture in Cloud"** - Daniele Ratti (Denoth Foundation Prize, 3 weeks at the Startup School of Mind The Bridge in San Francisco); **Made Up** - Thomas Berto (CNA Prize); **"Veicoli"**, e-invoices in Cloud and **Cervellotik** (ITFan - iDNA Prize)

Ludoteca .it: first numbers

Primary school

(2014-2015 school year)

"B. Telesio" (Spezzano della Sila CS)
"E. Toti" (Pisa)

2 schools
8 classrooms
139 children
8 hours of lessons

First grade secondary school

(2014-2015 school year)

"B. Telesio" (Spezzano della Sila CS)
"G. Pascoli" (San Felice MO)
"E. Gozzi" (Camposanto MO)
"P. Borsellino" (Navacchio PI)

4 schools
22 classrooms
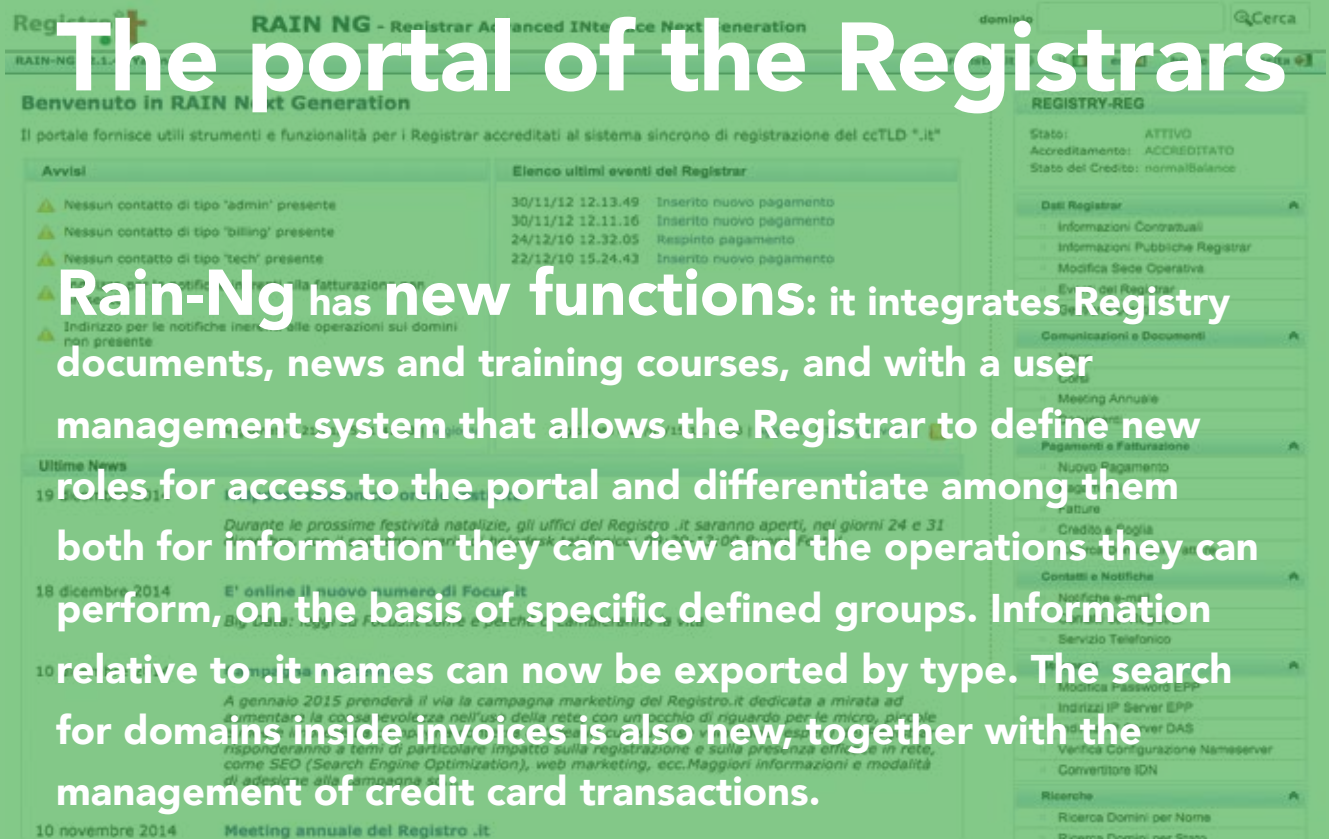**460** children
21 hours of lessons

.it Registry courses

14 days of training in 2014, between Naples and Bologna, with **203** participants. Many themes: e-commerce, treatment of data, cloud computing, use of distinctive symbols and trademarks also in the social networks, web technologies and CMS with detailed treatment of new standards and indexation techniques and positioning in search engines.
A new entry: a **digital marketing** course.

The portal of the Registrars

Rain-Ng has **new functions**: it integrates Registry documents, news and training courses, and with a user management system that allows the Registrar to define new roles for access to the portal and differentiate among them both for information they can view and the operations they can perform, on the basis of specific defined groups. Information relative to .it names can now be exported by type. The search for domains inside invoices is also new, together with the management of credit card transactions.

IDN for the 24 EU languages

The set of characters admitted in the .it registration has been extended: the **IDN** (Internationalised Domain Name) includes the **24 official languages** of the European Union. With this new feature, the **characters** admitted for the registration of an .it domain are made up of all the characters belonging to the *charsets* (*editor's note*: codes) Latin-1 Supplement, Latin Extended-A, Latin Extended-B, Greek, Greek Extended and Cyrillic. Not accepted are domain names that contain characters belonging to different charsets (Latin, Greek, Cyrillic), excluding of course the suffix ".it" and names and domains belonging to the geographic tree map.

DNS validation via Web

A DNS validation service has been created to verify, via Web, the **configuration** of the authoritative **nameservers** of an .it name. The service accepts in input only the domain (it performs the verification of the nameservers currently delegated), or the authoritative nameservers (which may differ from those delegated). Among its functions: the importation and exportation of the nameservers of a domain for its re-use in the DNS validation system.

Extending the DNS anycast cloud service

Over the course of 2014 two new DNS anycast nodes of the Registry were activated, one at the Internet eXchange point of Stockholm, Netnod, and the other at the Internet eXchange point of Frankfurt, DE-CIX. Another two new nodes are being activated at AMSIX (Amsterdam) and at LINX (London).

Credit threshold: notice to the Registrars

The new version of the EPP server provides for an email to be sent to the Registrars to inform them when various alarm thresholds concerning residual credit have been reached (on the basis of domains expiring over the next 21 days, those expiring over the next 7 days, etc.).

The working times of the pendingTransfer get shorter!

The maximum period of **remaining** in the pending Transfer has been reduced from **3** calendar days to **1**, so as to reduce any inconvenience linked to "non-visibility" over the net for domains subject to modifications by the Registrar.

Name and contactID no longer in the public "Whois"

So as to render the identification of the **registering name** of a domain more immediate, whether a physical or juridical person, the name field of the registrant subject has been eliminated from the public **Whois**. The Registrant of an .it name is in fact identified by the org field. Analogously, so as to rationalise the output of the Who Is service, limiting it to the fields entered by the user, the contactID has been eliminated, which together with the name field remains available to the Registrar (with *domain info*).
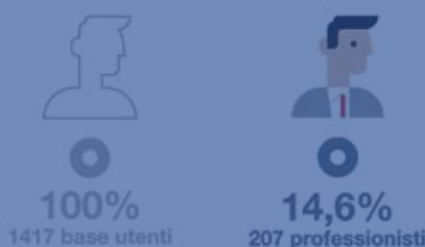
Cancellations and the .it Registry: let's investigate

The domain market, in line with recent trends in other European registries, has experienced less growth in recent years and an increase in **cancellations**, probably due to a saturated market, the economic crisis or the low perception of the importance of these names as a digital identity.

To better understand the reasons that lead to cancellation of one's own name, brand or sign over the Net, the Registry has promoted a **statistical research investigation** – conducted by the Institute Pragma Srl.

Among the various reasons linked to cancellation there prevails that of the uselessness of the registered name ("we don't need it any more", **69%**).

Report address: https://rain-ng.nic.it/rain/documents

6MoN: monitoring the transition from IPv4 to IPv6

IPv6 traffic is already present in almost all our networks and the time when **network administrators** just needed to control IPv4 is over. A common fear among network administrators who begin to plan the introduction of IPv6 is that of losing control of their network. 6MoN offers an efficient and scalable network management tool that facilitates the administration and the identification and resolution of problems that might arise within a **dual-stack** network (IPv4 and IPv6), allowing network administrators to:

- find all associations between link-layer addresses, IPv4 addresses and IPv6 addresses
- be alerted when a rogue router starts sending its router-advertisements
- be able to neutralize the effects of rogue router advertisements.

In addition to this, 6MoN performs various other functions. The address inspection functions operates in a **plug and play** mode, without any need for configuration, while the mitigation of rogue router-advertisement requires a minimum configuration, ON/OFF type check-box from a web interface.

Different Italian and European research organizations use the previous version of the tool. A new version of 6MoN is under

development with the aim of achieving the following objectives:

- redesign a **back-end** (network monitoring modules) in C++

- back-end based on a scalable and geographically distributed network **monitoring** architecture (using a variable number of remote probes and a central server that collects and correlates the collected data)

- source code compatible with Linux operating systems and various hardware platforms (including Raspberry PI B+, an economic calculator implemented on only one electronic board)

- redesign the **front-end** web interface to be responsive and compatible with mobile devices.

New network monitoring architecture distributed geographically
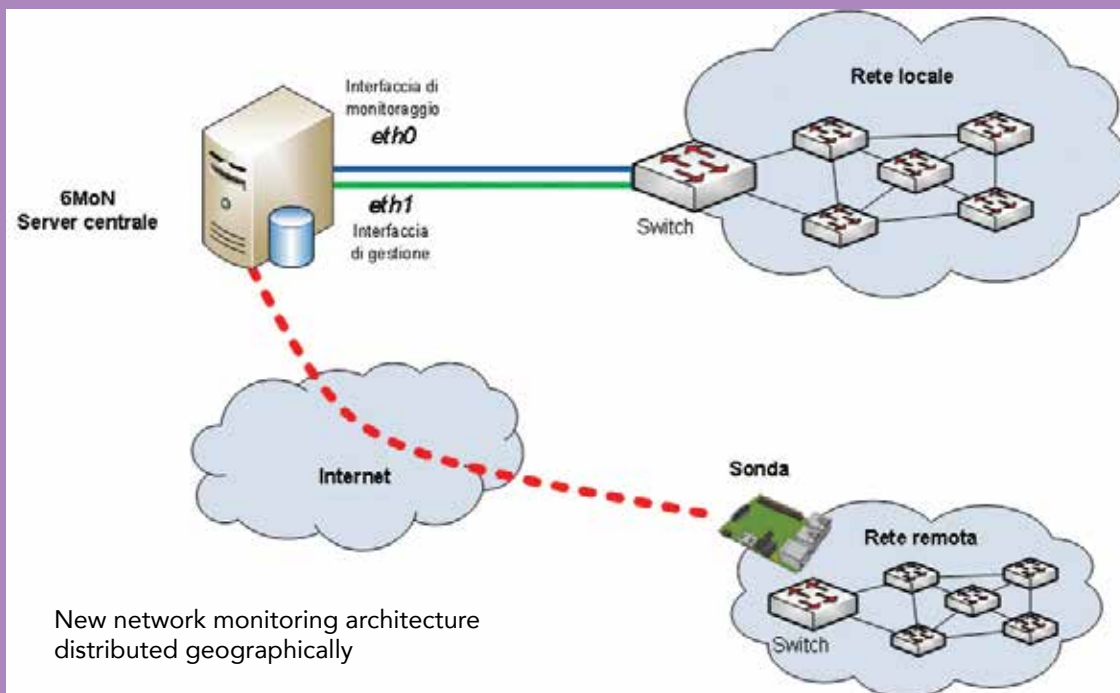
The new project (available at https://6mon.iit.cnr.it) began in the second half of 2014 and will last two years. The source code of 6MoN will be released with an **open source** licence to the Internet community. 6MoN was designed and developed by the group "**Telematic network of CNR Pisa**", Institute of Informatics and Telematics of CNR - Pisa, and in particular by Filippo Lauria, Andrea De Vita, Claudio Porta, Abraham Gebrehiwot and Alessandro Mancini. The development of the new version of 6MoN is supported by the **.it Registry**. We suggest to read the following article to learn more about the technical details of the 6MoN project, https://tnc2012.terena.org/getfile/1674, "Selected Papers TNC2012 - ISBN 978-90-77559-00-0", presented at the TERENA NETWORKING CONFERENCE 2012.

For further information: grupporeti-dev@iit.cnr.it

(abraham gebrehiwot)

Ripe (http://www.ripe.net/)

21-22 April 2015, **Belgrade** (Serbia):
fourth Regional meeting of the European South-East.
11-15 Maggio 2015, **Amsterdam** (The Netherlands):
seventieth meeting edition.

Icann (https://www.icann.org/)

8-12 February 2015, **Singapore**:
fifty-second meeting edition.

Ietf (https://www.ietf.org/)

22-27 March 2015, **Dallas** (USA):
meeting edition number 92.

Centr (https://www.centr.org/)

for members only

25 February 2015, **Berlin** (Germany):
46th CENTR Legal & Regulatory workshop
25 February 2015, **Berlin** (Germany):
34th CENTR Administrative workshop
18 March 2015, **Copenhagen** (Denmark):
53rd CENTR General Assembly/2015 Annual General Meeting
26 March 2015, **Bari**:
16th CENTR Marketing workshop
01 June 2015, **Stockholm** (Sweden): Jamboree 2015