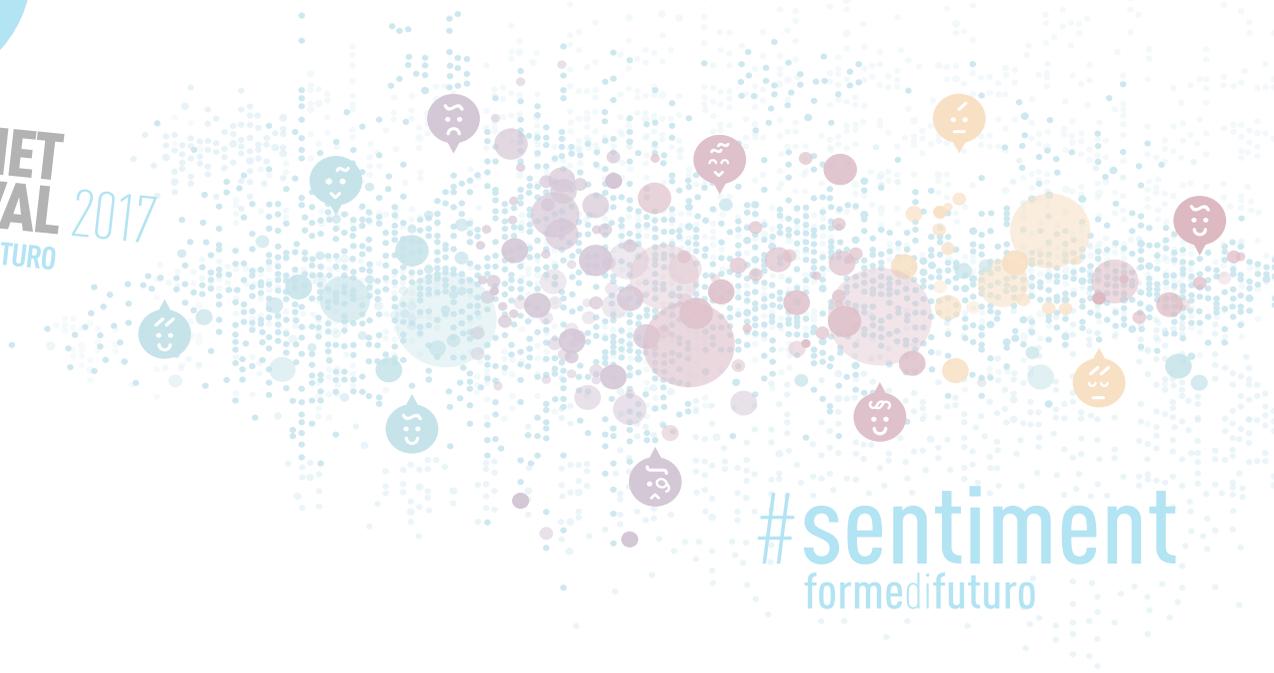


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**HEAD OF .IT REGISTRY**

Domenico Laforenza

# 30 years of .it

Stefania Fabbri

On 23 December 1987 the first .it domain name was registered - **cnuce.cnr.it**. Thirty years have gone by and now there are more than **3 million** domains with an Italian "nameplate", a veritable patrimony of knowledge and opportunities, research and innovation.

There are three **events** organized by the Registry to celebrate the birthday of .it, looking into the future, at prospects of growth and at what the future has in store:

- **8 October in Pisa** at the Internet Festival with "30 years of .it": at the cinema Teatro Lux (Piazza S. Caterina 6 - 16:00 - 18:00) stories of **companies** and **key players** of the Web who have chosen an Italian domain in order to stand out their online identity. This event, moderated by the journalist Giampaolo Colletti, includes among its guests well-known food blogger Sonia Peronaci, founder of Giallo Zafferano and soniaperonaci.it, Francesca Barbieri, travel blogger Frintesa and Andrea Di Caro, director of gazzetta.it;
- **26 October in Rome** for the final of di **.itCup** Registro: a special edition in the Sala Marconi of the central

CNR site (Piazzale A. Moro 6 – at 16:00 – 18:00) for the ICT startup competition with the first prize of a trip to Silicon Valley for a business training experience at the prestigious Startup School of Mind The Bridge. More than 100 applications were received, but only six finalists - EasyTax Assistant, Ludwig, noon.care, Pharmercure, SmarTrainingSystem (STS) and Glitch Factory – will be presenting themselves to an audience of national investors and other well-known entrepreneurs;

- **24 November in Milan:** from 11:00 to 16:00 the great **celebrative event** “30 years of .it”, held at La Pelota and moderated by the journalist Alessio Jacona. This will retrace the stages of development of Registro .it thanks to its close relationship with the CNR research environment and to the numerous activities undertaken with SMEs.

Among the fundamental themes of the day there is “The future of domain names”, an analysis of the evolution of the domain **name market** in the coming years with challenges and prospects for registries worldwide and for all actors of this sector. There will be the expert opinions of Domenico Laforenza (Director of Registro .it) and Jean-Jacques Sahel (ICANN - Managing Director for the European Office in Brussels and Regional Vice President for Europe).

There will also be “Digital Italy: policies and good practices for the Italian **Digital Agenda**” with Paolo Barberis (Advisor for innovation to the Italian Prime Minister’s Office), Antonello Giacomelli MP (Undersecretary for Economic Development) and the highest representatives of the Digital Agenda.

There is also plenty of discussion time for **companies**, with the six previous winners of the .itCup Registro and with the protagonists of the Italian Stories of unnomeunsogno.it, two initiatives of Registro .it dedicated to the promotion of the digital

culture for businesses. Among guests there will be Monica Nardis (Pragma) and Matteo Flora (The Fool).

And last but not least, we have the **schools**, because the activity of Registro .it for digital culture very much involves the new generations. On stage at La Pelota there will be the Registro .it Ludoteca , the .itContest award launched for the thirtieth anniversary of the Registry and the comics volume "Nabbovaldo" produced for the series Comics&Science of CNR Edizioni.

Looking forward to seeing you!

30 ANNI DI PUNTO IT

## STATISTICS



## GROWTH OF NEW REGISTRATIONS

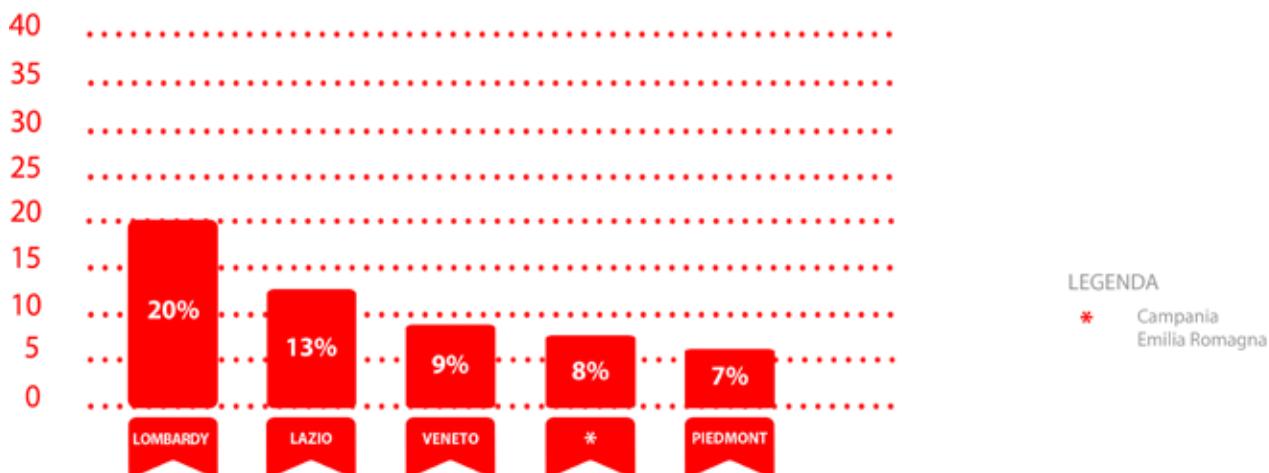
The growth during the May-August quarter showed no relevant changes: slightly fewer than 20 thousand domains were registered (excluding cancellation)



## ANNUAL GROWTH

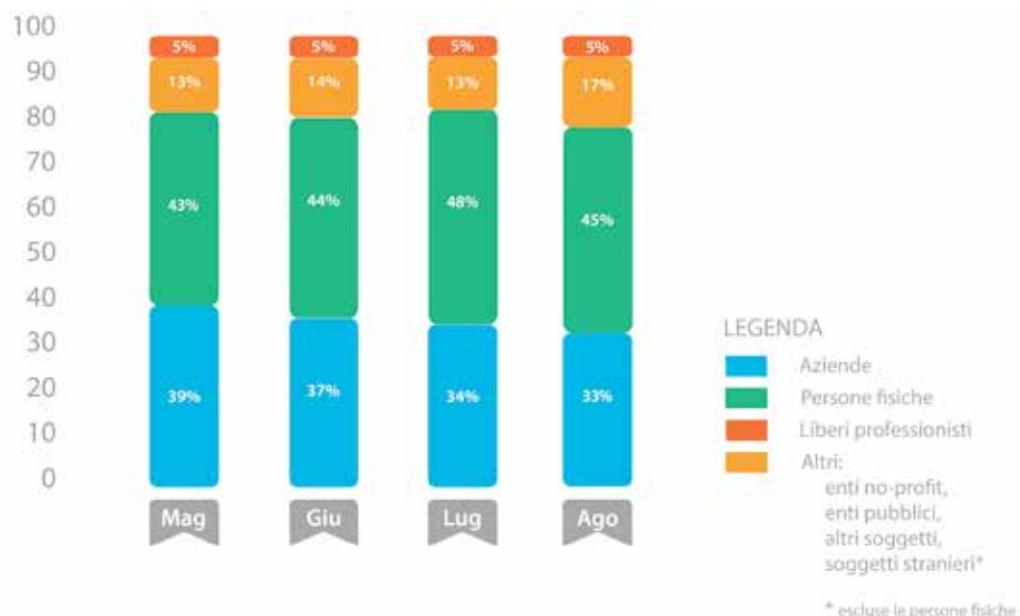
The new registrations – from the beginning of the year to the end of August – show an increase of more than 55 thousand domains, taking the overall number of .it domain names to 3 million 58 thousand

## STATISTICS



## TOP REGIONS

The regional table of the most .it registrations has had for years Northern Italy at the top with Lombardy, followed by Central Italy with Lazio and Veneto in third place. Campania is the only southern Italian region to figure in the first five places



## ENTITY TYPES

Compared with the last but one quarter, there is no change in the placings of .it assignees. Natural persons are still in first place in terms of percentage of registered names, followed by companies having to make do with second place, considering the data of the latest forecast

# The Registro .it Ludoteca at Bright: European Researchers' night



Again this year the Ludoteca will be participating at the international event "BRIGHT – European Researchers' Night " with **laboratories** and **games** for the little ones - a chance to reflect together with families on the opportunities and risks associated with the use of the **Web**.

## Internet Festival 2017

The Internet Festival returns to Pisa together with **Scena Digitale** at the Teatro Lux, the "home" of Registro .it during the Festival. It's not only a stage for **experts**, but a lively venue for ideas exchange and training for all those who work with the Web. Digital strategy, start-up, email marketing, e-commerce, Facebook strategy and obviously domain names and identity on the Web are just a few of the themes dealt with over **four days** that include conferences, workshops, working groups and spectacular events, like the celebration for the **30th birthday** of Registro .it.

# .itCup Registro 2017, from Pisa to Silicon Valley via Rome

Chiara Spinelli

For the 30th birthday of Registro .it, .itCup doubles its appointments with the **.itCup School** during the **Internet Festival** and with the **final** on 26 October, in the central CNR site in Rome, with the participation of CNR President Massimo Inguscio.

The **six finalists** (chosen from the 110 applications received) are eagerly awaited in Pisa on 4, 5 and 6 October in order to perfect their business ideas during a three-day itinerary with trainers and mentors.

The final is on **26 October** in **Rome** at CNR HQ, when a jury made up of leading national investors in the startup sector and other well-known entrepreneurs will decide who, from the six candidates, will fly to the **Mind The Bridge School** in **San Francisco** (prize offered by the Fondazione Denoth and by Fatture in Cloud) and who will win **.itFan**, the communication and marketing prize offered by Prana Ventures and iDNA.

The stories of the six .itCup Registro 2017 finalists (Easy Tax Assistant, Ludwig, NoonCare, Pharmercure, SmarTrainingSystem, Glitch Factory) are at: [www.itcupregistro.it](http://www.itcupregistro.it).

# Permanent online ICT Observatory

Luca Deri, Maurizio Martinelli, Daniele Sartiano,  
Michela Serrecchia, Loredana Sideri, Luca Vasarelli

The main aim of the Permanent online ICT Observator is to analyse, in real time, the **diffusion** of the **Internet** and the potential geographical in the various specific ICT sectors in Italy.

In order to reach this objective, an "in house" **web crawling** system has been produced with a semantic analysis of contents. Starting from the list of registered .it domain names, a classification has been created so as to identify if websites belong or not to the ICT sector. This has been divided into 4 specific sub-sectors, based on a classification adopted internationally by the Organisation for Economic Co-operation and Development (OECD): "Manufacturing", "Telecommunications and Informatics", "Sale and Repair", "News and Blog".

To publicize the results obtained and make them easily available to the **Internet community** the Web portal <http://www.ictinthenet.it> has been created. This portal shows the geographical distribution of Italian enterprises that carry out ICT activities on the Web. For each company there is indication of its name, specific ICT sector in which it operates, region and province where it is situated and its website.

The results show that there are more than 50 thousand ICT-classified **.it websites** (52,768 as of 26 September 2017). Of these, 48.01% belong to the Sale and Repair sector, 47.41% to Telecommunications and Informatics, 3.64% to Manufacturing and 0.94% to the News and Blog sector.

Furthermore, the ICT sector on the Web has good **diffusion** in Italy. Results show that about 33% of ICT **companies** have a .it website (percentage based on Eurostat 2015 data which puts an estimate of about 105,000 ICT companies in Italy). However, it should be noted that this study takes into account only the .it websites. So there is an underestimation given the exclusion of Italian companies registering **domains** other than those of .it.

The data also show that in Italy 63.93% of subjects with an ICT website are business companies, whereas 28.58% are natural persons, 6.16% self-employed professionals, 0.63% non-profit making bodies and 0.26% public bodies.

The highest concentration of ICT websites belong to companies located in **Lombardy** (21.79%). Lazio region follows with 9.63% and Emilia Romagna with 8.03%. Among the first 10 regions we also have Campania, in seventh position with 5.29%. Sicily and Puglia are in eighth and ninth positions with 3.88% and 3.16% respectively.

Finally, as regards ICT websites belonging to **foreign subjects**, Germany is in first position with 30.14%, followed by the United Kingdom with 16.30%, Holland and France with 11.64% and 6.26% respectively.

# ECJ on copyright

Gino Silvatici

The European Court of Justice (Lawsuit C-610/15) has established that making available and managing an **online platform** for the sharing of works protected by **copyright**, such as "The Pirate Bay", represents breach of copyright. This is even if the works in question are put online by the very same users of the platform. This sentence reinforces the current tendency to make "intermediaries" responsible for what happens on their platforms and their networks, as far as content is concerned.

# Gathering information in electronic format

Gino Silvatici

Within lawsuit proceedings, **Internet Service Providers** will face new legislation obliging them to provide the authorities of EU member states other than their own state with the information kept by ISPs in an electronic format. A proposal for regulations made by the European Commission is expected by the end of this year and has the aim of increasing formal cooperation between the authorities of member states and improving **direct access** from a computer, e.g. to cloud servers, in cases in which the authorities do not know where the data are situated or memorized.

# ICANN and “Special-Use Domain Names’ (SUDN)”

Arianna Del Soldato e Adriana Lazzaroni

## DATA PRIVACY

We are used to the classic domain names when navigating the Web, which offer **services** and **information** designed to be picked up by search engines and to attract the attention of internet users. However, there exists another area of the Web where visitors and designers navigate and offer services and information in secret. This is the **Dark Web**, a network of hidden services where it is possible not to leave traces and maintain **anonymity**, have freedom of information and the right to privacy.

The Dark Web is accessible using domain names for special purposes, in fact, referred to as ‘Special-Use Domain Names’ (SUDN), for example, .onion. The registration of SUDNs does not follow the current registration procedures regulated by ICANN but is managed by the Internet Engineering Task Force (IETF), which inserts them in a dedicated register of IANA according to the procedure defined by the RFC 6761. SUDNs, furthermore, foresee a special treatment which is different from the usual DNS resolution procedure. In addition, there exist other domain names, so-called “**private names**”, such as .name, .mail and .home, which are not listed anywhere but which are in actual fact used by persons and organization that resolve these names only strictly within a private context. These domains are currently rejected by the DNS until they coincide

with a new gTLD having the same name.

The management process for all SUDNs within the IETF is in a phase of **review** directed by the **working group** "DNSOP WG", which has drawn up a specific document ("Special Use Domain Names Problem Statement") that brings together all the issues relating to the management of SUDNs. The Board of Directors of ICANN, also given the opening of a new registration phase of new gTLDs, recommends the setting up of **efficient means** of cooperation between ICANN and external groups, including the IETF. For this reason, both in order to establish a procedure for management of possible conflicts between the new gTLDs and SUDNs, and also to maintain the stability of the DNS, within ICANN there is discussion regarding the insertion, in the new Applicant Guidebook, of the SUDNs in the name lists which cannot be requested as new gTLDs.



# Internet Society turns 25 (1992-2017)

Arianna Del Soldato e Adriana Lazzaroni

This year the Internet Society celebrates 25 years of commitment to the **diffusion** of the Internet in the world. The CNR was one of the founding fathers of the Internet Society. It is the international organisation of support for the **Internet** that has the aim of maintaining and expanding the development of the Web and its related **technologies** and applications. Italian participation in the Internet Society dates from the constitution of the **association** in 1992, and of which the founders were the CNR, through the CNUCE institute of Pisa, and the INFN with the CNAF of Bologna.

Many "Chapters" of the Internet Society, including the Italian one, organised a "Celebration Node" with meetings and debates. This is not only to remember, by also to take to heart the **experience** gained over the years and look to the **future**. There was a "marathon" of events involving the various branches worldwide, in connection with the central event held in Los Angeles, in California. In Italy the celebrations took place in Catania, Sicily, due to its "hub" position and because of its strategic position at the center of the Mediterranean.

**Icann** (<https://www.icann.org/>)

28 October-3 November, **Abu Dabhi**, the United Arab Emirates: **Icann 60**

**Centr** (<https://www.centri.org/>)

(for members only)

3 October, **Bruxelles**, Belgium: **Centr Registrar Day**

3 October, **Bruxelles**, Belgium: **Centr Awards Ceremony**

4 October, **Bruxelles**, Belgium: **58th Centr General Assembly**

5 October, **Bruxelles**, Belgium: **Centr Leaders Meeting**

12-13 October, **Zagabria**, Croatia: **24th Marketing Workshop**

16-17 October, **Luxembourg**, Luxembourg: **11st Centr R&D Workshop**

6 November, **Tel Aviv**, Israel: **14th Centr Security Workshop**

22 November, **Dublin**, Ireland: **37th Centr Technical Workshop**

11-12 December, **Bruxelles**, Belgium: **3rd Centr Chairs/Vice-Chairs Meeting**

25-26 January 2018, **Oxford**, England: **55th Centr Legal & Regulatory Workshop**

**Ietf** (<https://www.ietf.org/>)

11-17 November, **Singapore**, Singapore: Ietf 100

**Ripe** (<http://www.ripe.net>)

22-26 October, **Dubai**, the United Arab Emirates:  
Ripe 75

24-26 October, **Dubai**, the United Arab Emirates:  
Ripe Ncc General Meeting

4-5 November, **Copenhagen**, Denmark: Ripe Ncc  
Hackathon Version 6

## Other events

15-17 October, **Bratislava**, Slovakia - Euro IX 31

18-21 October, **Tartu**, Estonia - Association of  
Internet Researchers Conference (AoIR)

24-26 October, **Messe**, Germany - Broadband World  
Forum

1-3 November, **London**, England - ACM Internet  
Measurement Conference

9 November, **Bologna**, Italy - ITNOG 3

20-21 November, **London**, England - Linx 99

17 December, **Geneve**, Switzerland - Giganet  
Symposium

17-20 December, **Dagstuhl**, Germany - Research  
Seminar Dagstuhl

18-21 December, **Geneve**, Switzerland - Internet Government Forum

11 January 2018, **Amsterdam**, The Netherlands - Internet New Year's Reception

