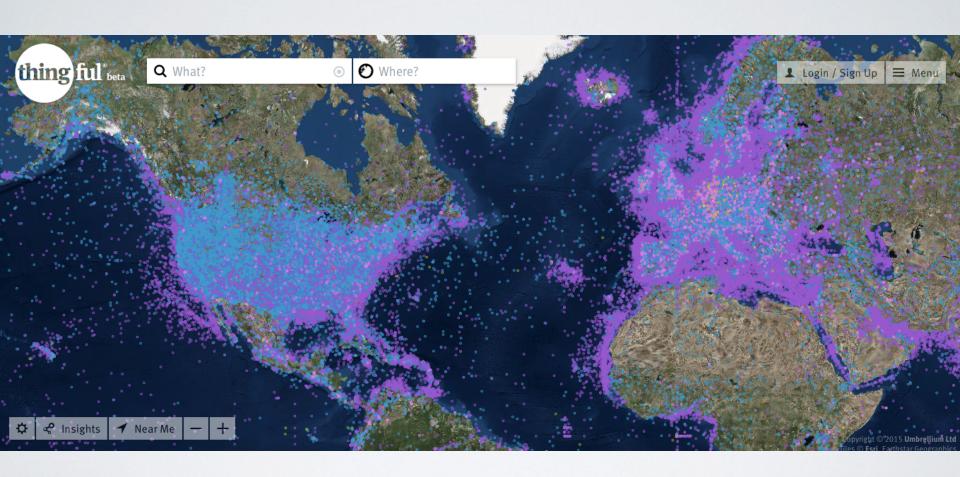
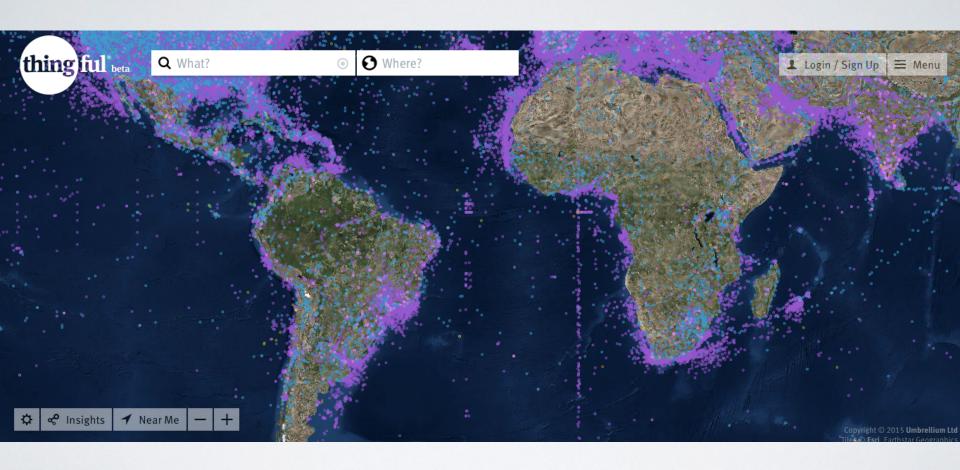
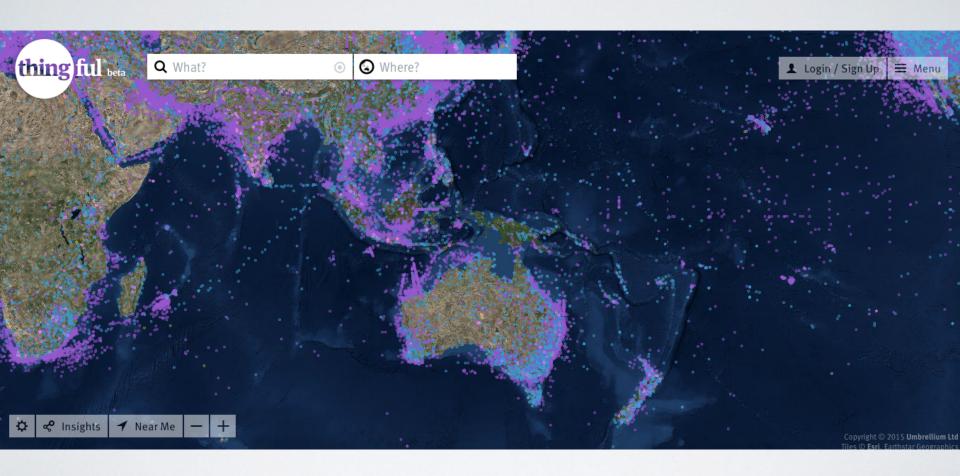
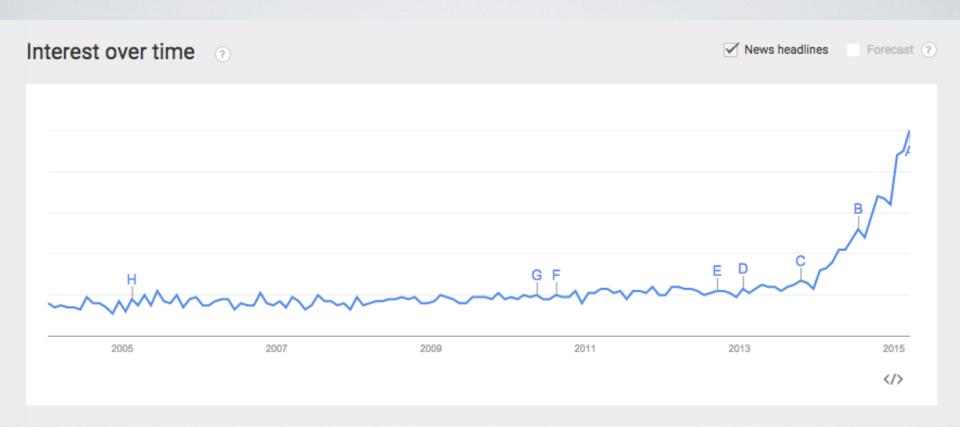
WELCOME TO THE ICTP!

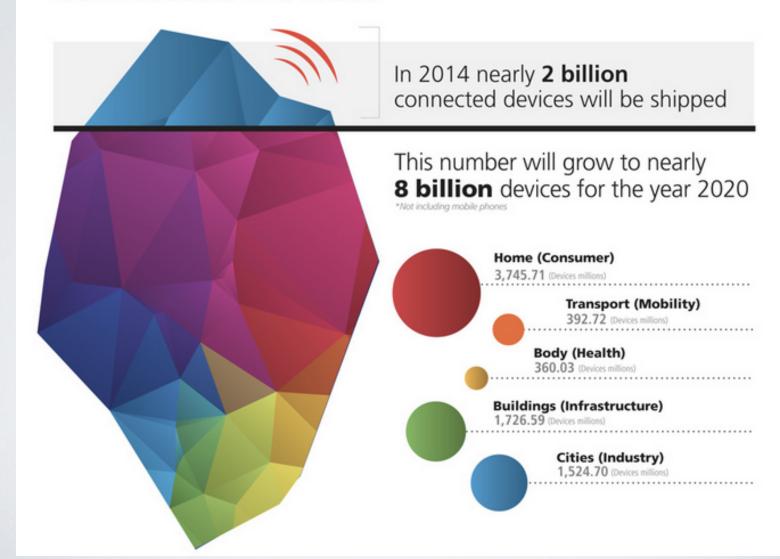








Connected Devices

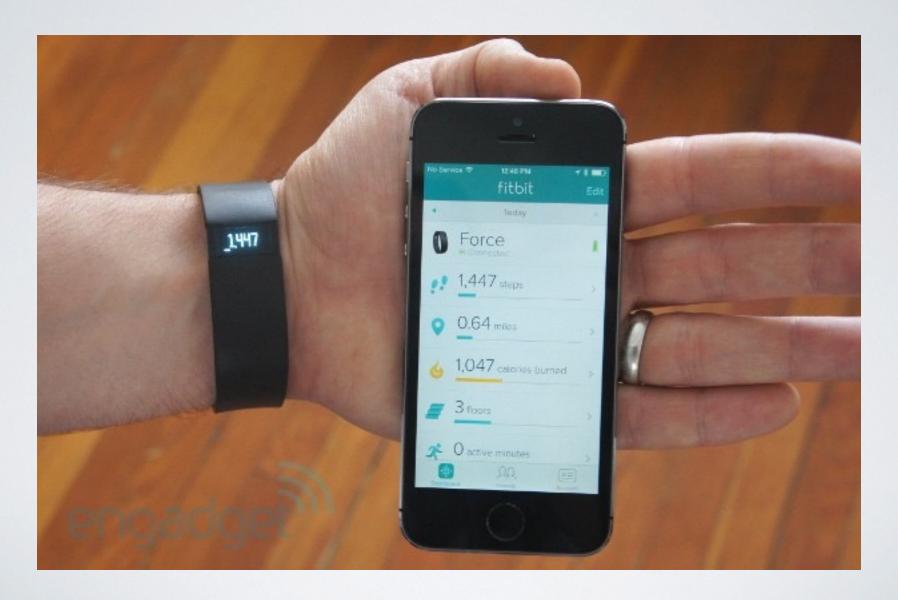


 Wikipedia: The Internet of Things (IoT) refers to uniquely identifiable objects and their virtual representations in an Internet-like structure.

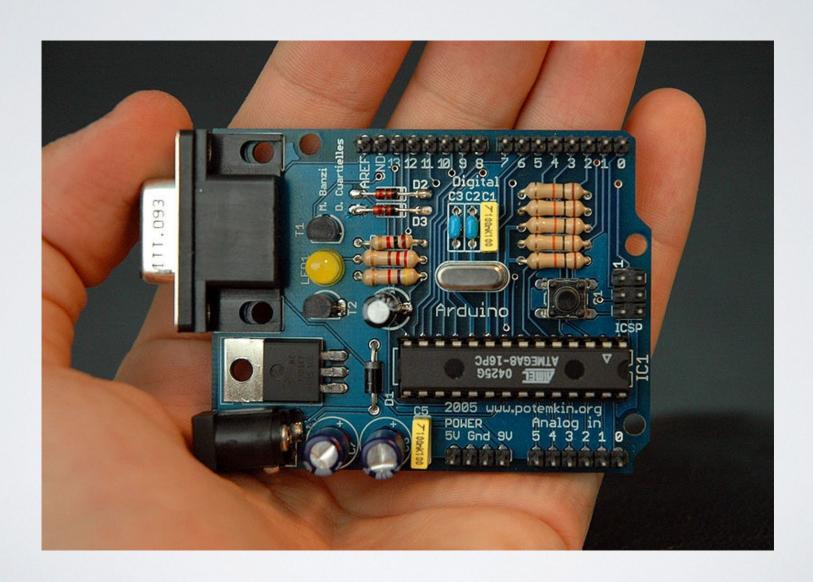
[http://en.wikipedia.org/wiki/Internet_of_things - 21-Jun-2014]

• Cisco: The Internet of Things (IoT) is the network of physical objects accessed through the Internet, as defined by technology analysts and visionaries. These objects contain embedded technology to interact with internal states or the external environment. In other words, when objects can sense and communicate, it changes how and where decisions are made, and who makes them.

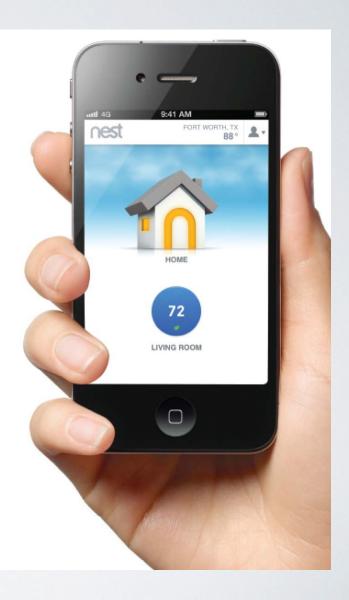
[http://www.cisco.com/web/solutions/trends/iot/overview.html - 21-Jun-2014]











Internet +

Things +

Data

Internet

IPv6

Things

Contiki

Data

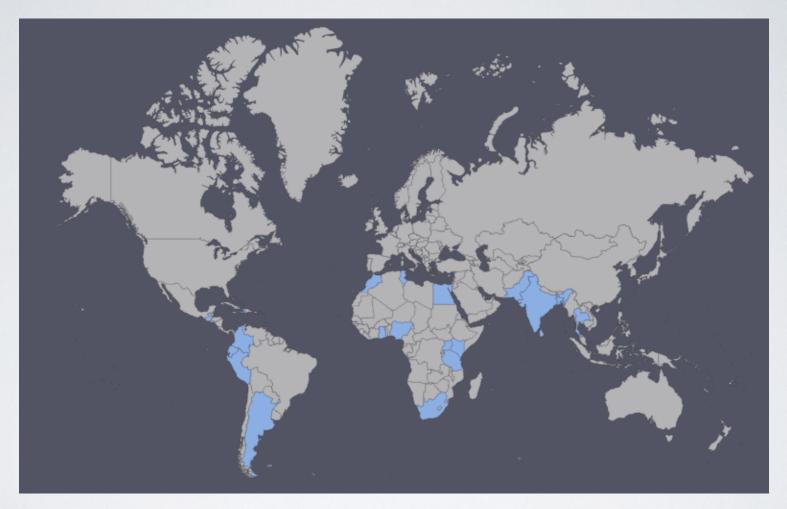
Big Data

APPLICANTS

Requests for Participation: 306

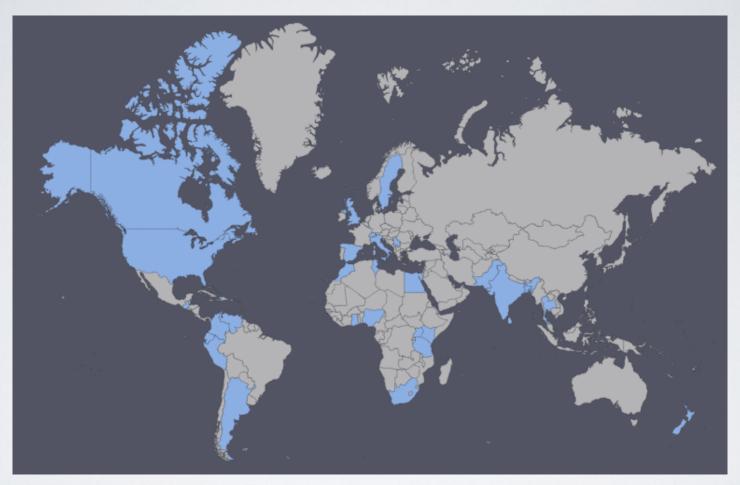


WHERE DO WE COME FROM?



30 participants from 20 different countries (from Argentina to Uganda)

WHERE DO WE COME FROM?



40 participants from 30 different countries (with lecturers/speakers)

SCHEDULE

Monday
Tuesday
Wednesday
Thursday
Friday

IoT IPv6 Contiki

Monday
Tuesday
Wednesday
Thursday
Friday

Big Data

Standards
Projects
Case Studies

VENUE

Monday
Tuesday
Wednesday
Thursday
Friday

Galileo Guesthouse

Monday
Tuesday
Wednesday
Thursday
Friday

Galileo Guesthouse

Adriatico Guesthouse

THANKS

- Directors
 - □ S. Huter (NSRC, USA)
 - □ Maurizio Molinaro (ISMB, Italy)
 - Steve Chan (Swansea University, UK)

THANKS

- □ Financial support
 - ITU (International Telecommunications Union), CH
 - □ NSRC (Network Startup Resource Center), USA
 - NetworkTheWorld, UK

PHILOSOPHY

Tell me and I forget, teach me and I may remember, involve me and I learn.

— Benjamin Franklin

RULES

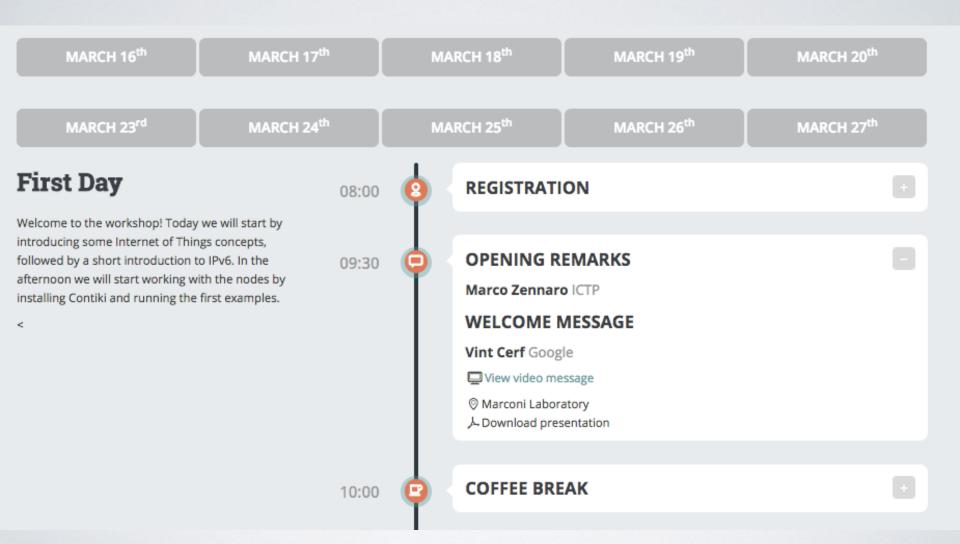
- 1) Try to be on time
- 2) Attend at least 90% of the lectures + labs
- 3) Bring your laptop
- 4) Follow the slides at http://preso.tv/iot

LAB

- Wireless Network
 - □ SSID: MarconiLab
 - Password: marconi-lab

- Workshop's Website
 - http://wireless.ictp.it/school_2015

WEBSITE



VINT CERF

Cerf, Vinton G. and Robert E. Kahn, A Protocol for Packet Network Intercommunication, IEEE Transactions on Communications (COM-22), May, 1974, pp. 637-648.

A protocol that supports the sharing of resources that exist in different packet switching networks is presented. The protocol provides for variation in individual network packet sizes, transmission failures, sequencing, flow control, end-to-end error checking, and the creation and destruction of logical process-to-process connections. Some implementation issues are considered, and problems such as internetwork routing, accounting, and timeouts are exposed.

VINT CERF

"Father of the Internet," Cerf is the co-designer of the TCP/IP protocols and the architecture of the Internet.

In December 1997, President Bill Clinton presented the U.S. National Medal of Technology to Cerf and his colleague, Robert E. Kahn, for founding and developing the Internet.

In 2004, Cerf was the recipient of the ACM Alan M. Turing award (sometimes called the "Nobel Prize of Computer Science").

In 2005 he joined Google as Chief Internet Evangelist.

He was elected as the president of the Association for Computing Machinery in May 2012.

In 2014, Cerf was awarded Officer of the French Légion d'honneur.

LECTURERS OF THE WEEK



Mirko Franceschinis ISMB Italy



Antonio Linan Zoleria Spain



Alvaro Vives NSRC Spain



Jon Brewer NSRC New Zealand

LECTURERS OF THE WEEK



Sebastian Buettrich NSRC Denmark



Steve Okay Inveneo USA



Antoine
Bagula
UWC
South
Africa



Ermanno Pietrosemoli ICTP Italy

WHAT ABOUT YOU?