

Workshop introduction

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Alumni







Workshop on Scientific Applications for the Internet of Things (IoT) 16-27 March 2015 Miramare - Trieste, Italy

WALC 2015

San Carlos - Costa Rica 16 al 20 de noviembre

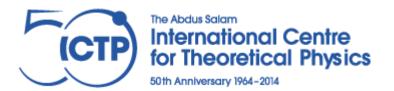
Organización General:

Fundación EsLaRed









Workshop on New Frontiers in Internet of Things ICTP, Trieste - Italy March 7-18, 2016

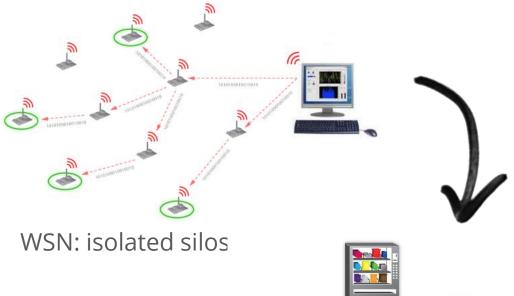


Workshop objective

Develop an IoT application using the workshop material and the lessons learnt in the course

- Team-up: different minds thinking together are better
- Propose a solution to a known or common problem
- Develop a duct-tape prototype and show!
- Each team will prepare a short presentation (four slides) about the solution



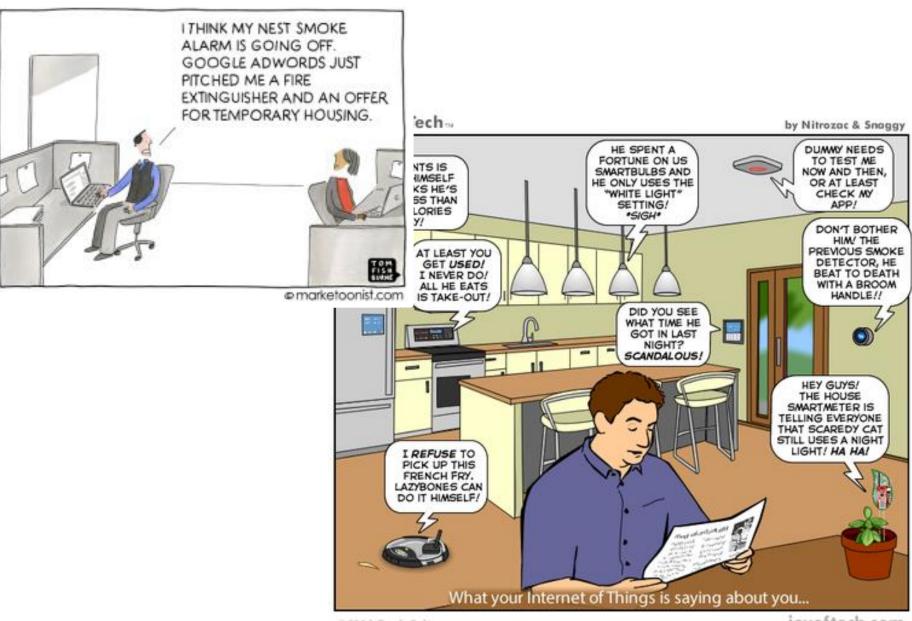




M2M: connected silos

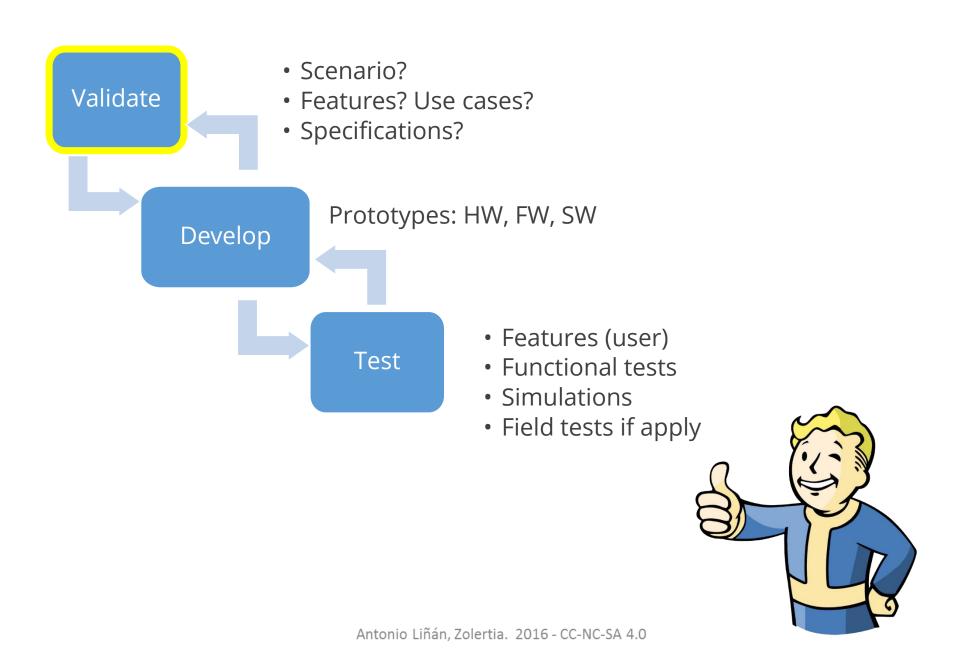


connected

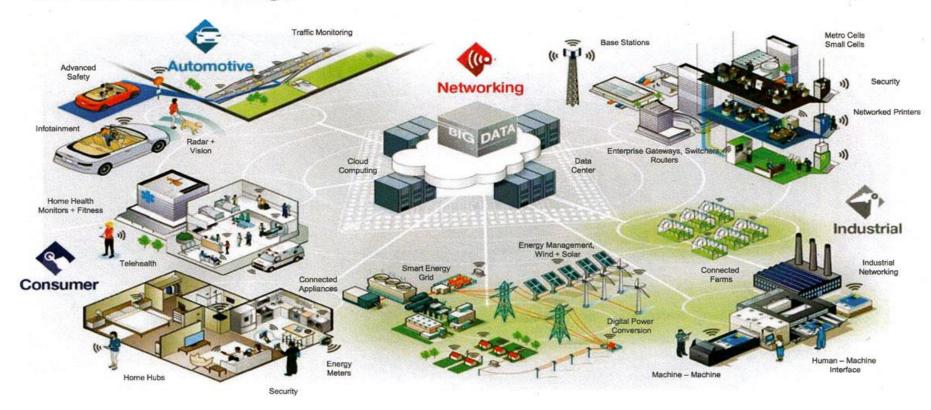


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The Internet of Things



http://www.theregister.co.uk/



- What problem do we want to solve?
- How that problem affects people?
- How people are going to use this solution?

Antonio Liñán, Zolertia. 2016 - CC-NC-SA 4.0



VS

- Solutions based on human necessities, not on technologies
- Avoid isolated silos!
- Avoid unnecessary features, focus on your MVP!
- Ask yourself: who is the user? How it will use our solution?
- What is our value proposition?









1

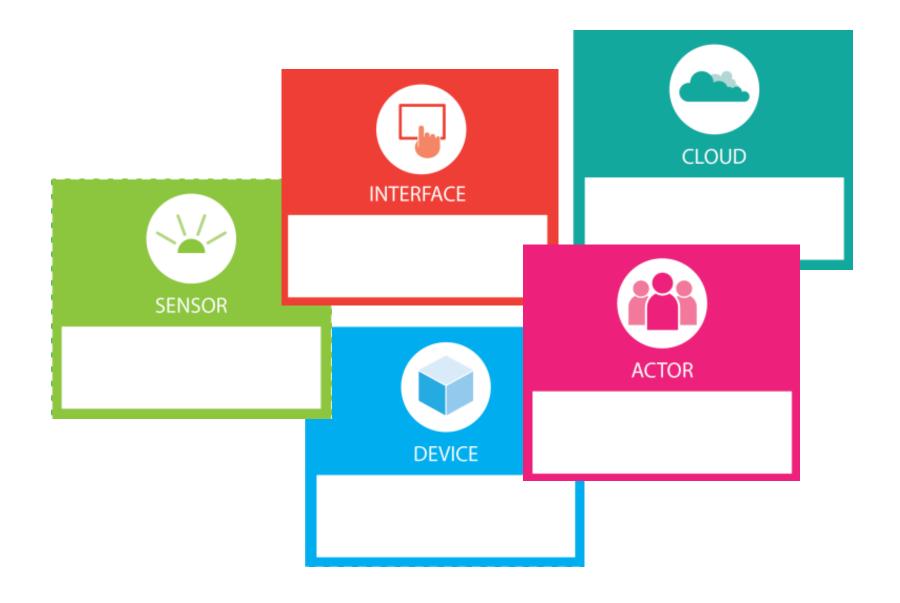
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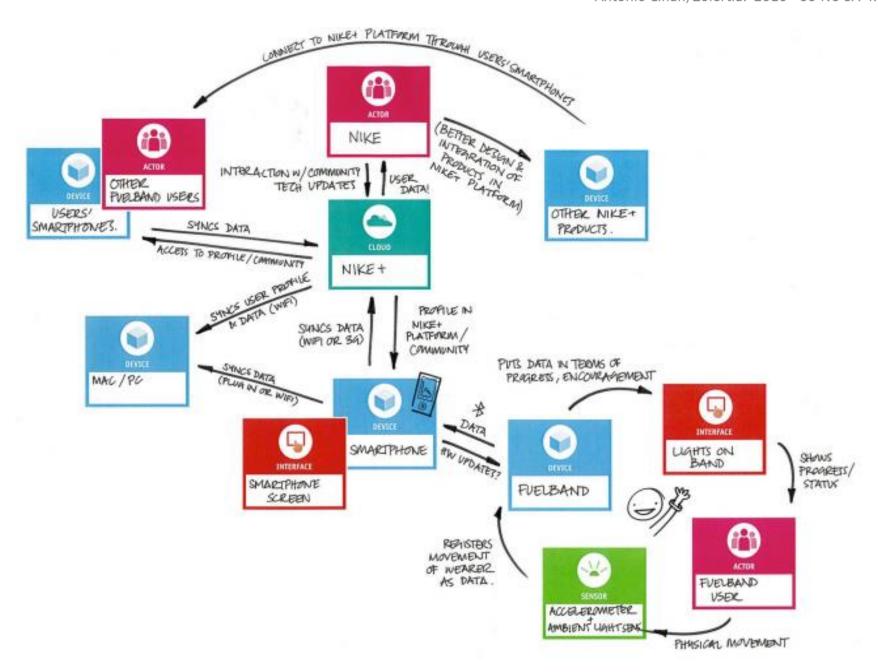
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Find a human problems to solve

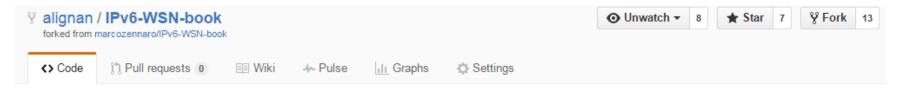
Create a solution that adds value to the user

Create a canvas of our solution, showing interactions between actors and technologies





Workshop material (Open Source)



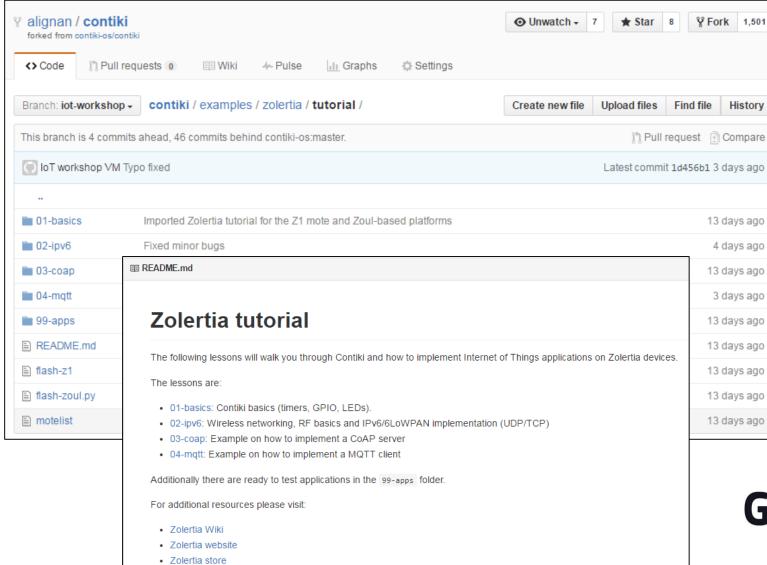


https://github.com/alignan/IPv6-WSN-book https://github.com/marcozennaro/IPv6-WSN-book

http://www.eslared.org.ve/index.php/libros

Antonio Lillán Colina, Alvaro Vives, Antoine Bagula, Marce Zennaro and

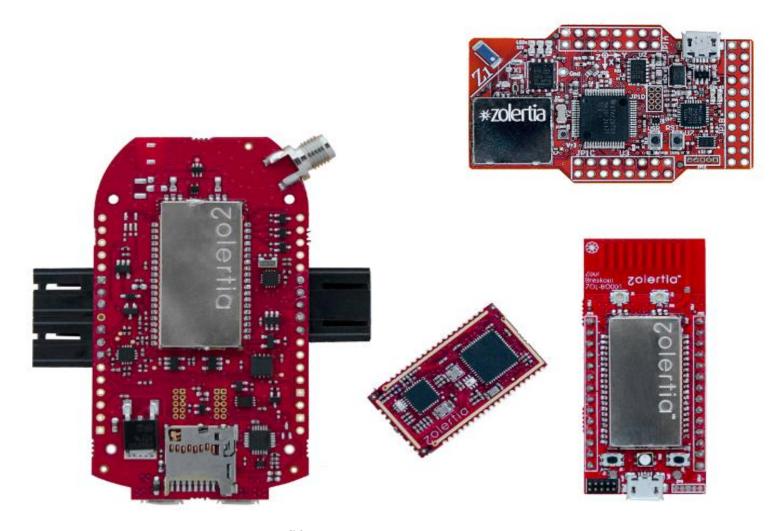
Ermanno Pietrosemoli



https://github.com/alignan/contiki/tree/iot-workshop



IoT Hardware: Zolertia



Sensors and actuators

(Seeedstudio, Sparfun, Adafruit, Phidget...)



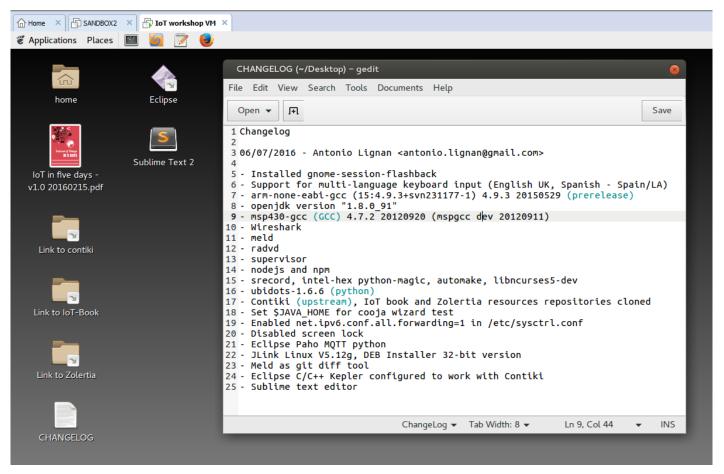
Raspberry Pi (Optionally!)



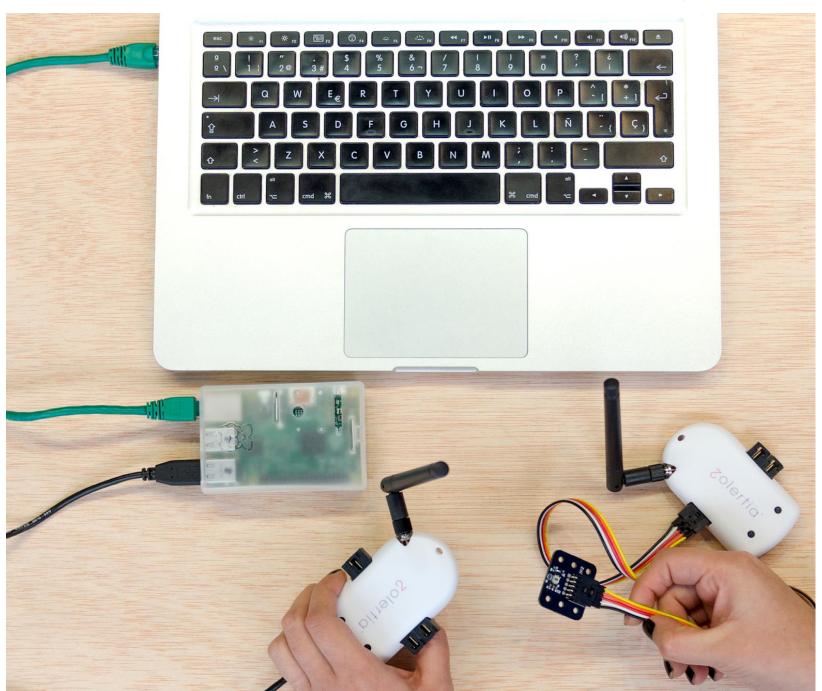
	NEW! Raspberry Pi 2
Processor Chipset	Broadcom BCM2836 ARMv7 Quad Core Processor powered Single Board Computer running at 900 MHz
RAM	1GB SDRAM @ 450 MHz
Storage	MicroSD
USB 2.0	4x USB Ports
Power Draw / voltage	1.8A @ 5V
GPIO	40 pin
Ethernet Port	Yes

"IoT in five days" virtual machine

(VMWare image)



https://sourceforge.net/projects/zolertia/files/VM/IoT%20Workshop%20VM.7z



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