* Bring eVision online on the Internet of Things
* Good thing: we do it together!
* Plan sessions and workshops.
* Start blinking thing - End with a full IoT solution.

**The main players.**

**Arduinos**

* Arduino Nano.
* The Nano has an Amtel ATmega328.
* This is a programmable microcontroller.
* digital I/O pins (14)
* analog input pins (8)
* Interact with the physical outside world.
* Other boards, ESP-01 which has onboard WiFi.
* Bring enough to get started.

**Sensors and actuators**

We can use several sensors to sense

* Temperature and humidity
* Light and Sound
* Presence of people
* The position of objects
* Much more.

We can also use several actuators like

* LEDs, Lasers, Buzzers
* Relays to switch higher voltages
* Radio frequency transmitters to control click-on-click-off devices
* Stepper engines and Servo engines.

**The MQTT protocol**

* Things rather speak MQTT than HTTP.
* This is a lightweight publish subscribe protocol.
* Come back to it during the sessions.

**Node-Red**

* This will be our flagship!
* Use to wire together our Things, APIs and online services.
* Use to create live data dashboards.
* Developed by IBM and it runs on node.js.
* Browser-based editor to create flows of messages and actions.
* Deploy to runtime in a single-click.
* It can integrate in an existing solution

**People**

* We have a lot of experienced, smart and creative people around.
* I hope we will inspire people.
* Have some discussions about IF and HOW eVision can benefit.
* It asks for serious input from the business side.
* You're all invited. And feel free to bring your own Things!