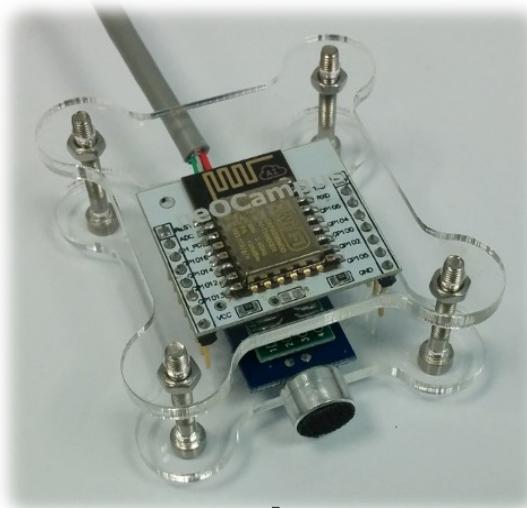




[neOCampus] neOSensor

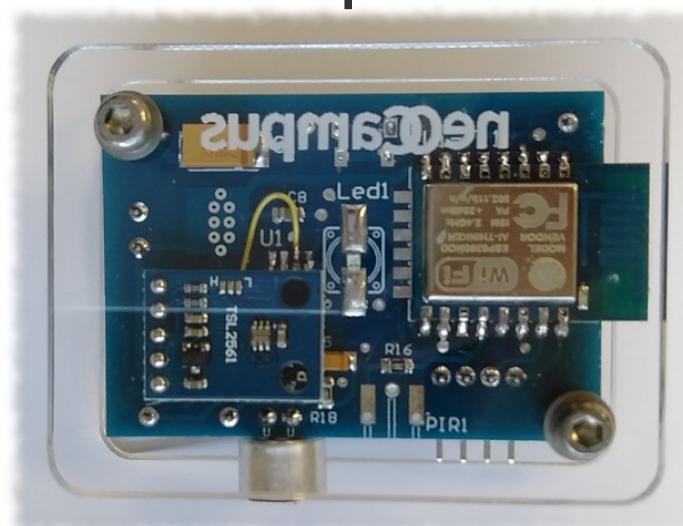
Dr Thiebolt François @ IRIT [SEPIA, SMAC]

Timeline



2016

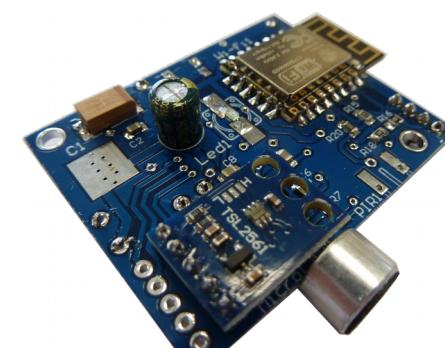
- Proof-Of-Concept



2017

- Hardware prototypes:
 - v1 & v2 PCBs
- first firmware with neOCampus integration

enova 2018



2018

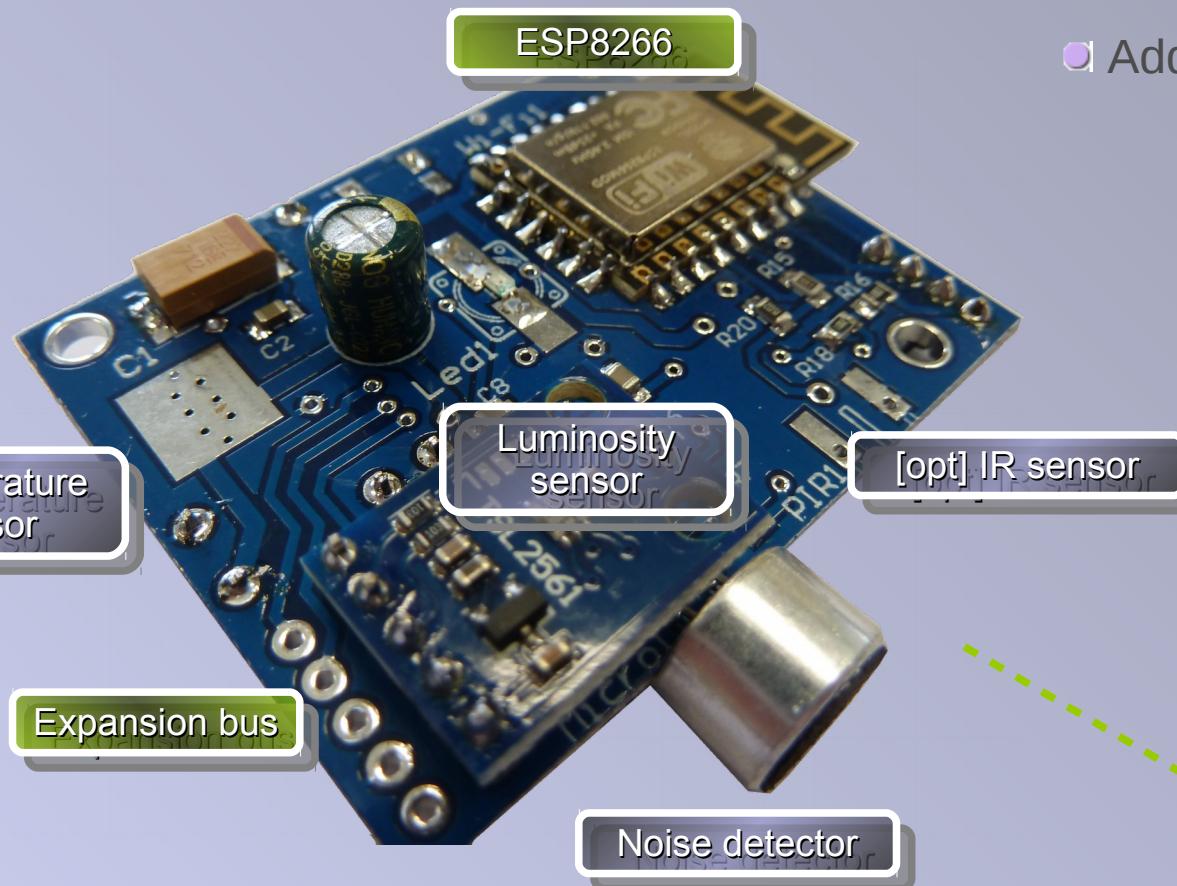
- Hardware v3 PCB
- OTA firmware update
- Web UI integration

2019

- Hardware v4 PCB
- Air quality sensor
- Presence sensor
- Web UI timeout & others features



Features

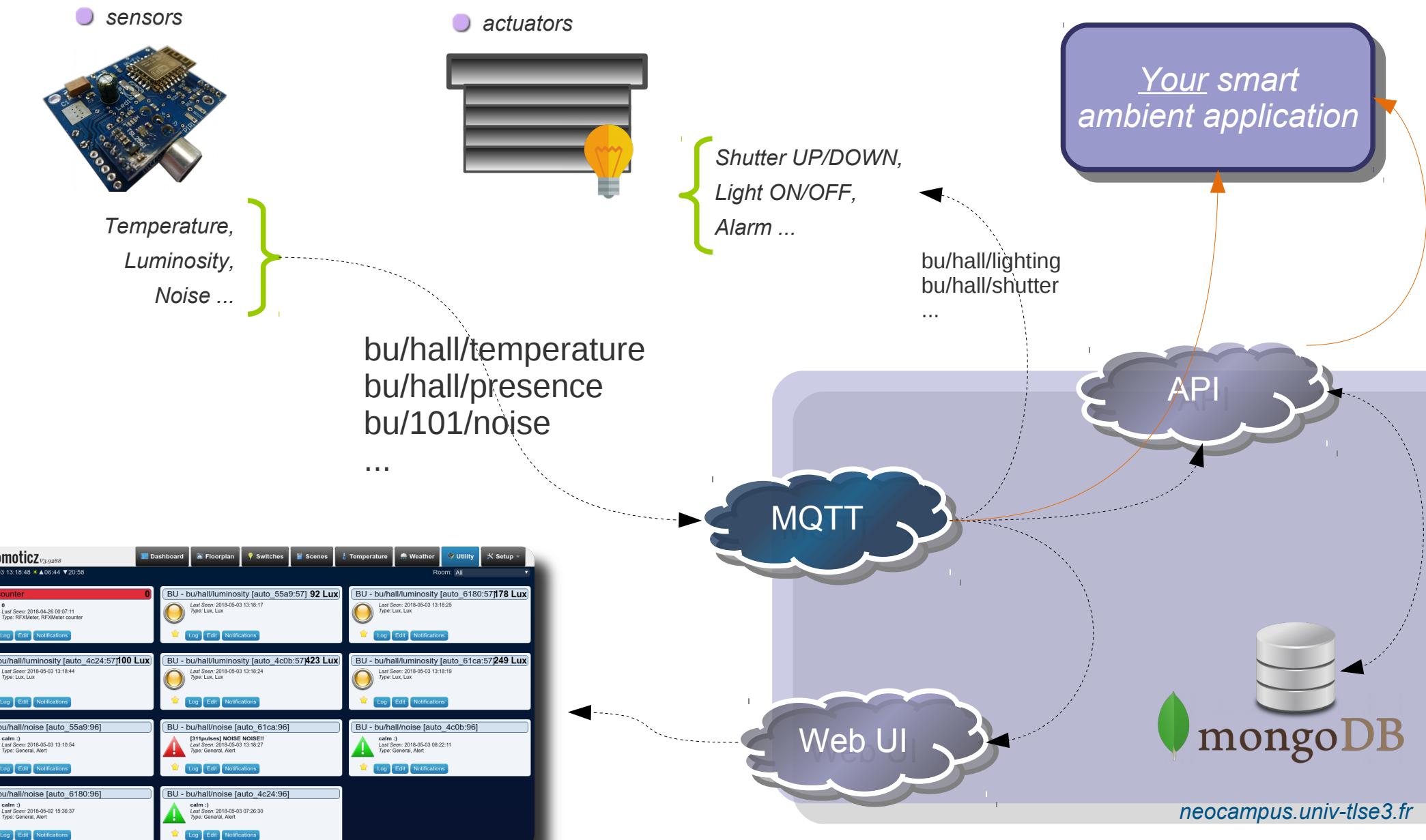


- High precision digital sensors,
- Additional sensors through i2c bus,
- Cheap (#15€ hardware),
- neOCampus integration,
- OTA firmware upgrade (auto),
- WiFi-AP mode for setup.



A joint collaboration with IRIT (firmware & hw), Ecolab (PCB), SCEL (soldering) and Laplace (laser cut)

Where are my data ??



Domoticz V3.9288

2018-05-03 13:18:48 ⚡ ▲06:44 ▼20:58 Room: All

test_counter 0

 Last Seen: 2018-04-26 00:07:11
 Type: RFXMeter, RFXMeter counter
 Log Edit Notifications

BU - bu/hall/luminosity [auto_55a9:57] 92 Lux

 Last Seen: 2018-05-03 13:18:17
 Type: Lux, Lux
 Log Edit Notifications

BU - bu/hall/luminosity [auto_6180:57] 178 Lux

 Last Seen: 2018-05-03 13:18:25
 Type: Lux, Lux
 Log Edit Notifications

BU - bu/hall/luminosity [auto_4c24:57] 100 Lux

 Last Seen: 2018-05-03 13:18:44
 Type: Lux, Lux
 Log Edit Notifications

BU - bu/hall/luminosity [auto_4c0b:57] 423 Lux

 Last Seen: 2018-05-03 13:18:24
 Type: Lux, Lux
 Log Edit Notifications

BU - bu/hall/luminosity [auto_61ca:57] 249 Lux

 Last Seen: 2018-05-03 13:18:19
 Type: Lux, Lux
 Log Edit Notifications

BU - bu/hall/noise [auto_55a9:96]

 calm :)
 Last Seen: 2018-05-03 13:10:54
 Type: General, Alert
 Log Edit Notifications

BU - bu/hall/noise [auto_61ca:96]

 [311pulses] NOISE NOISE!!
 Last Seen: 2018-05-03 13:18:27
 Type: General, Alert
 Log Edit Notifications

BU - bu/hall/noise [auto_4c0b:96]

 Popular & open-source: Domoticz,
 Data history (day, month, year),
 Own automation scripts,
 Custom views, users & rights
 management, backup DB ...
 neOCampus plugin enables auto-discovery :)

BU - bu/hall/noise [auto_6180:96]

 calm :)
 Last Seen: 2018-05-02 15:36:37
 Type: General, Alert
 Log Edit Notifications

BU - bu/hall/noise [auto_4c24:96]

<https://affluencesocampus.univ-tlse3.fr>