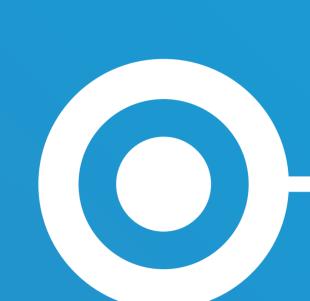




PAMAQ





Particle matter sensors for indoor air quality





PROJECT SUMMARY

The PAMIAQ Project develops a new kind of smart Particle Matter sensor according to the PM10 and PM2.5 standards suitable for applications in mass markets.

The three stages of innovative processing methods are combining successively microelectronics processing chip, nanoMEMS Cantilever based measurement, microfluidics and the final packaging on one micro-mechatronics chip.

OBJECTIVES

- Build a fully integrated product for Particulate Matter sensing
- Develop a 3 step process integration of 3 consecutive and heterogeneous technologies
- Deliver a product suitable for mass markets as they are identified for now and the future, automotive passenger comfort, building air quality, and smartphone integration
- ASIC integration for mass markets

BUSINESS IMPACT

- Construction area: 36M/year for residential and office buildings (TAM)
- Automotive: 60M/year (TAM)
- Mass market Business opportunity: 50M€
 (SOM) construction/automotive and 50M€+
 Smartphone integrated
- Cluster IAQSense (VOC and Chemical Threats detection) and PAMIAQ (Particle dection)







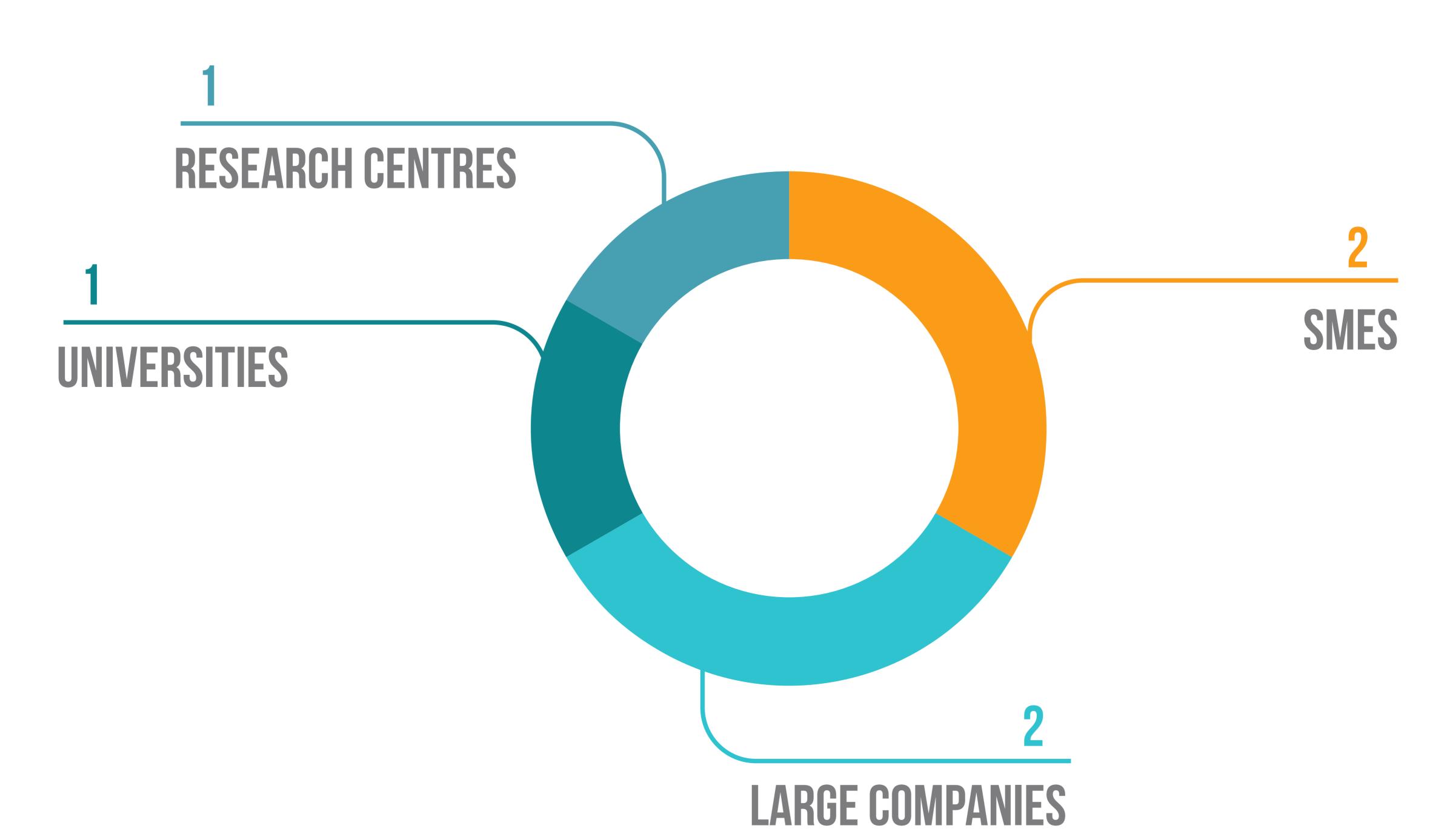
PROJECT FACTS & FIGURES

PROJECT CONTACT

Paul-Emile Latimier ID-MOS SA paul-emile.latimier@id-mos.com

PROJECT DURATION March 2015 - February 2018

PROJECT BUDGET € 3.1 Million

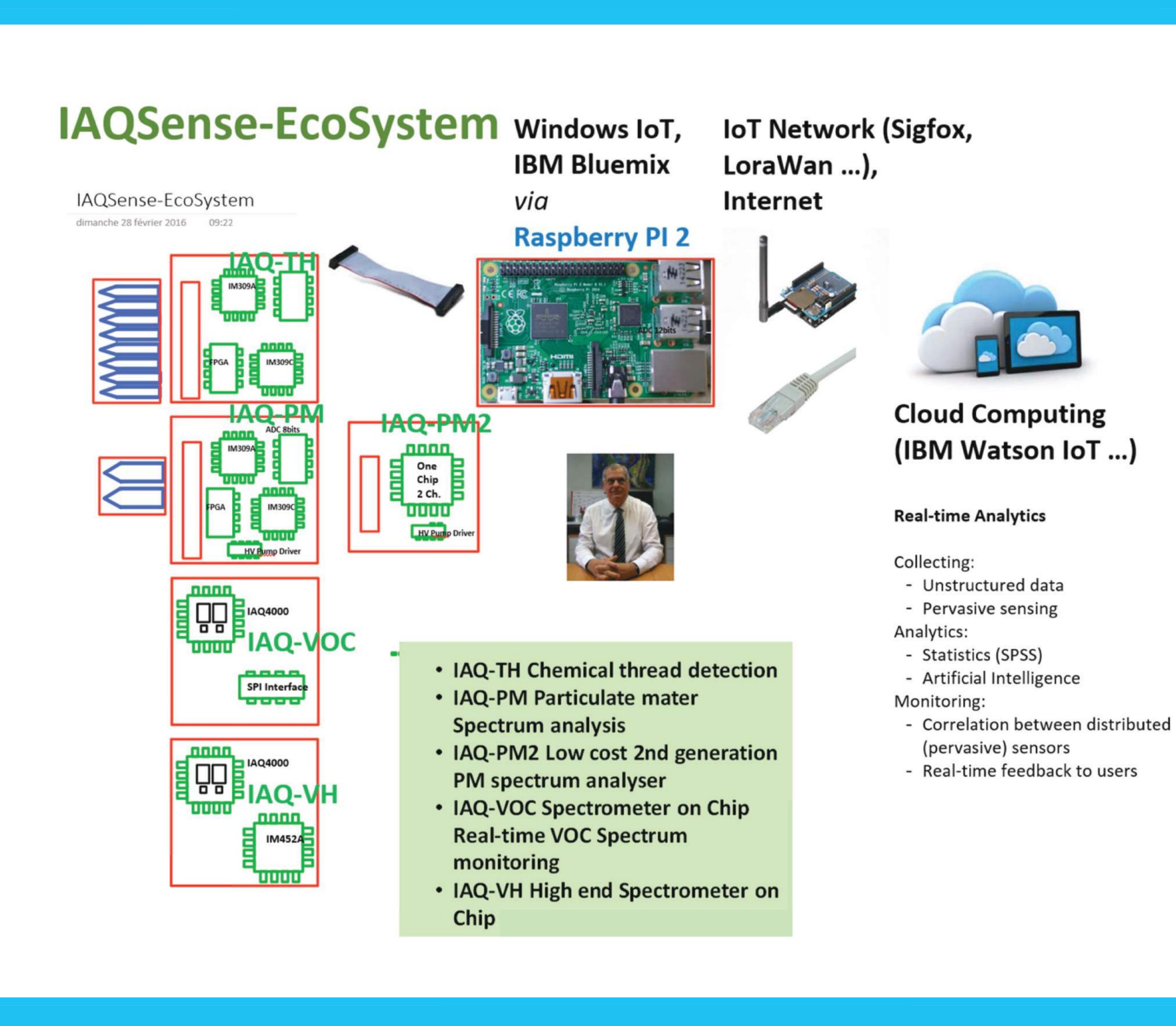




innovation across borders



www.IAQSense.eu







Smart Electronic Systems

