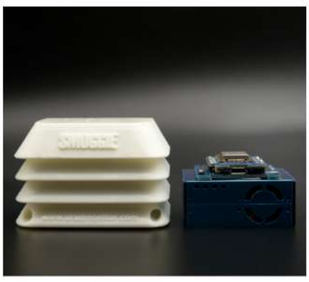
uRADMonitor SMOGGIE

Use for which sensor performance was best: OA-A - France, OA-A - Thailand, OA-M - France, OA-M - Thailand

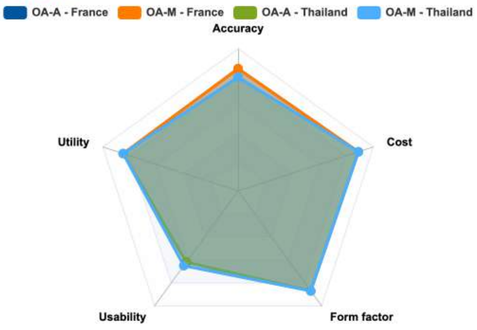
★★★★☆

Jury's opinion

The SMOGGIE is a very small and very lightweight sensor system targetting particle measurements for outdoor applications. In this edition it provided very good overall accuracy performance in France and good performance in Thailand. Its overall performance, an particularly its form factor and low cost, make it an excellent choice for awareness raising applications.



Evaluation



Measured pollutants

- ○ CH_2O
- ○ NO_2 (NO_x)
- ○ CO
- ○ O_3
- ○ CO_2
- ☑ PM_1
- ○ VOC
- ☑ $PM_{2.5}$
- ○ H_2S
- ☑ PM_{10}
- ○ NH_3
- ○ SO_2
- ○ NO
- ☑ Particle number (concentration)
- ○ BC
- ○ WB

Other measurements

- ☑ Temperature
- ○ Atmospheric pressure
- ☑ Humidity
- ○ Luminosity
- ○ Odours
- ○ Acoustic comfort
- ○ GPS
- ○ Anemometer

Data storage location: USA

Entreprise/Company

Magnasci SRL

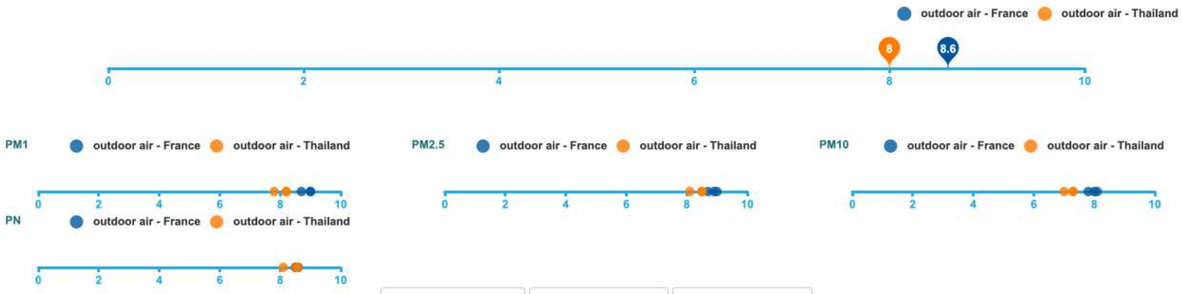
2015

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Dumbravita 307160, Romania

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URADMonitor
@uRADMonitor

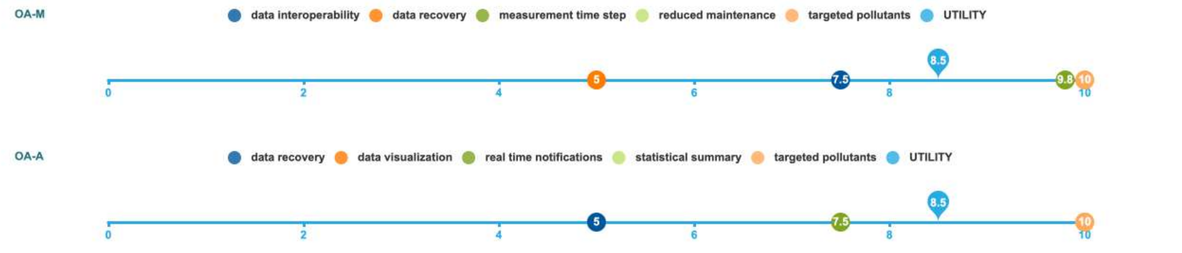
Detailed report

 # ACCURACY on 3 microsensors based on the SET method (Fishbain et al. 2017)

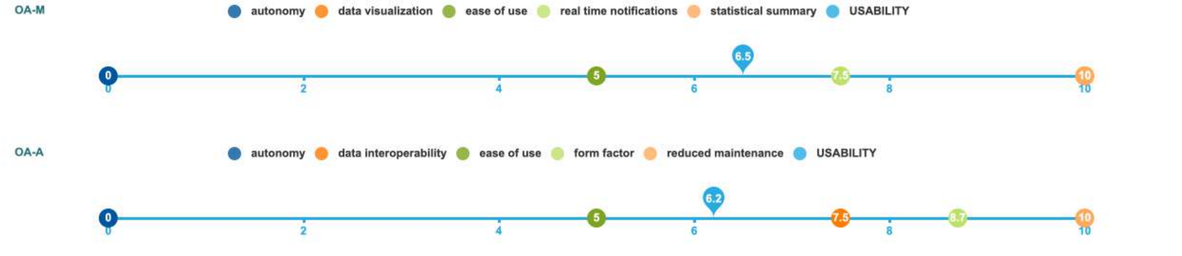


Time series graphs | Subcriteria details | Additional metrics

 # UTILITY the capacity of a sensor system to provide the essential functionalities for accomplishing the application objectives



 # USABILITY the ability of the candidate solution to provide the conditions for its users to perform the tasks safely, effectively, and efficiently while enjoying the experience



 # FORM FACTOR relates to how much of a physical burden the device represents for operations like transportation or installation



 # COST investment and running costs over 3 years

