

SMOGGIE-PM-HEAT

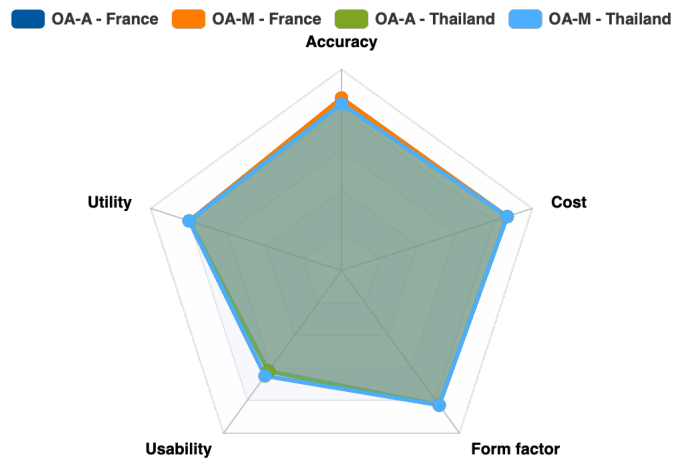
Use for which sensor performance was best: OA-A - France, OA-A - Thailand, OA-M - France, OA-M - Thailand



Jury's opinion

The SMOGGIE-PM-HEAT is a newer version of the SMOGGIE that integrates a small heating system for high humidity environments. It remains a very small and very lightweight sensor system targeting particle measurements for outdoor applications. It provided a similar accuracy performance to the basic SMOGGIE.

Evaluation



Measured pollutants

- CH₂O
- CO
- CO₂
- VOC
- H₂S
- NH₃
- NO
- BC
- NO₂ (NO_x)
- O₃
- PM₁
- PM_{2.5}
- PM₁₀
- SO₂
- Particle number (concentration)
- WB

Other measurements

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

Data storage location: USA

Entreprise/Company

Magnasci SRL

2015

Cocorului 23,
Dumbravita 307160, Romania



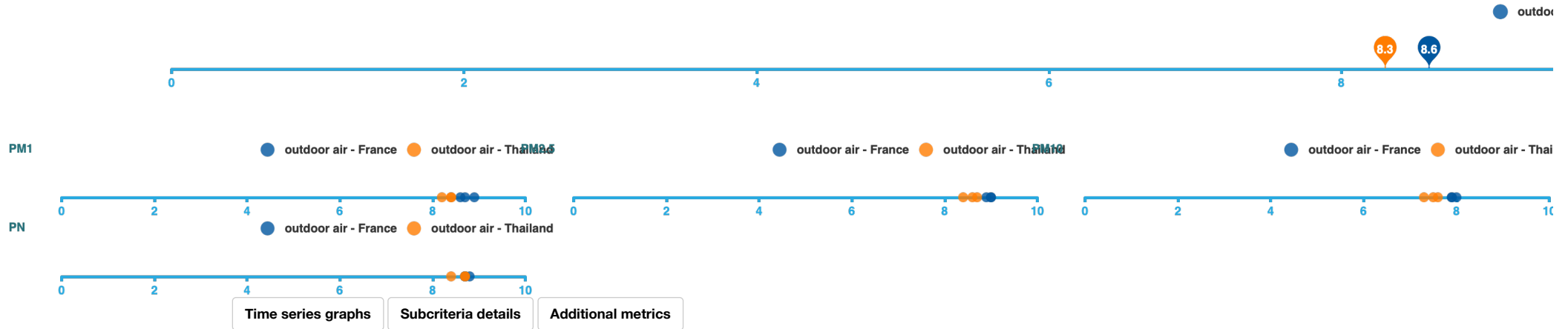
www.uradmonitor.com

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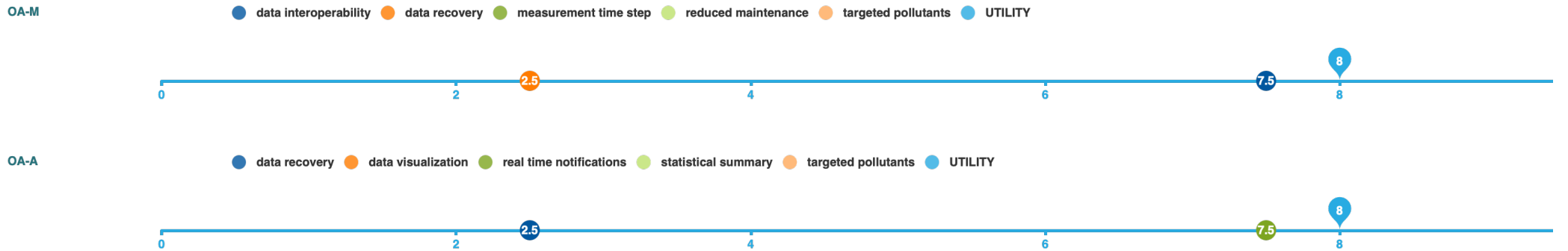
@uRADMonitor

Detailed report

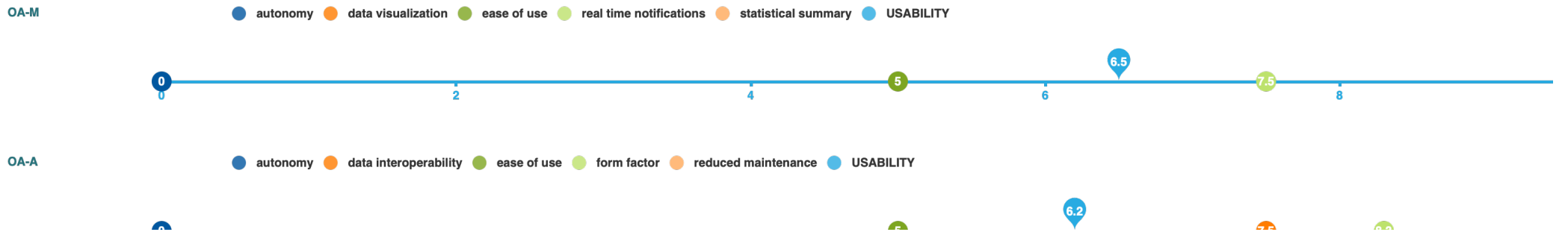
ACCURACY on 3 microsensors based on the SET method (Fishbain et al. 2017)



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

