

Meo node 2.0

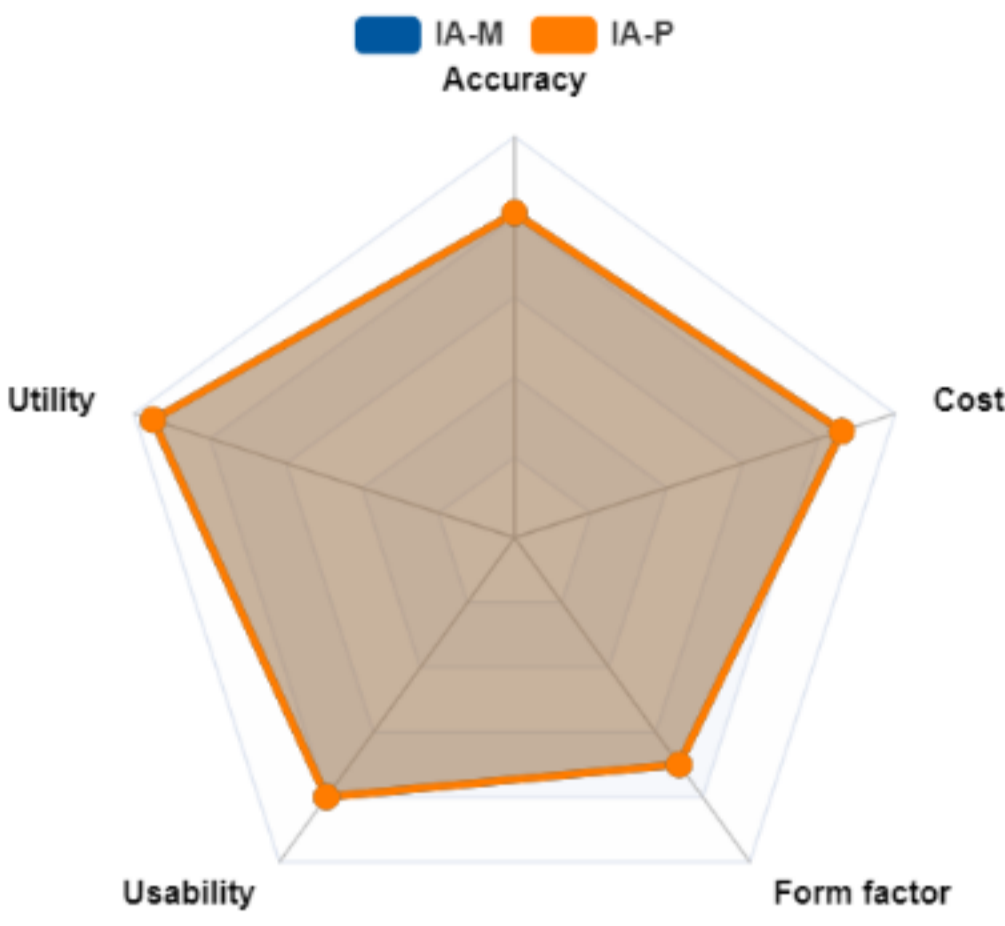
Use for which sensor performance was best: IA-M, IA-P



Jury's opinion

The Meo node is a lightweight, low-cost, multi-pollutant sensor targeting indoor monitoring and air quality piloting applications. It scores one of the highest utility scores and a good usability score, being one of the few candidates to score the maximum score for interoperability, thanks to its compliance to the European Commission INSPIRE Directive. It provides very good accuracy for CO₂, PM_{2.5} and PM₁₀ measurements, and good accuracy for VOCs.

Evaluation



Measured pollutants

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

Other measurements

- Temperature
 - Humidity
 - Odours
 - GPS
 - Atmospheric pressure
 - Luminosity
 - Acoustic comfort
 - Anemometer
- Data storage location: Belgium (Google cloud)

Enterprise/Company

meo air analytics

2012

5/F, Building Core 2,
Science and Technology Park,
Hong Kong

N° SIREN 60110142

www.meo.life

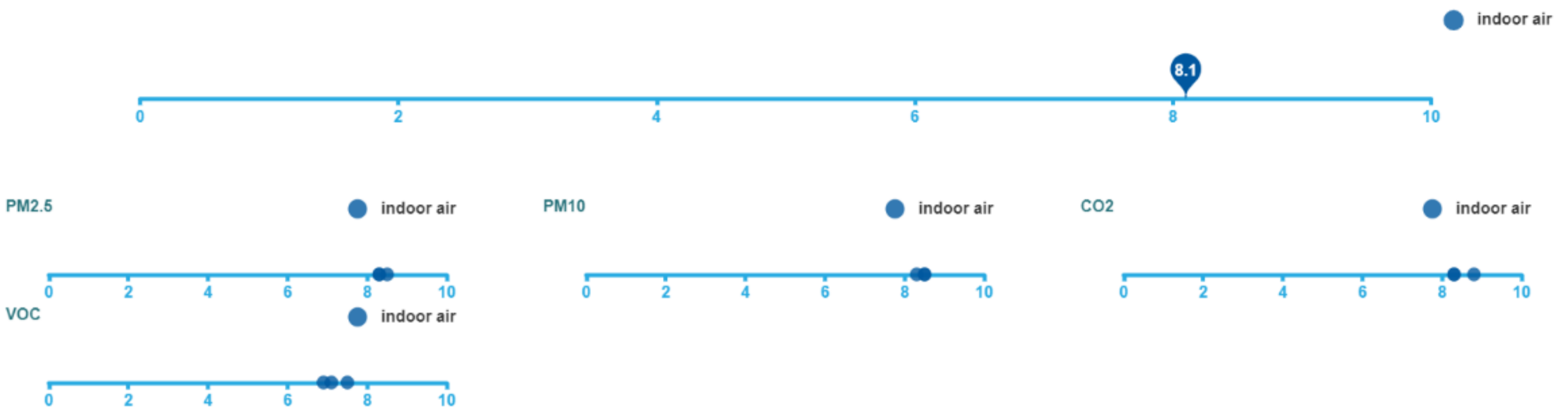
facebook.com/meoforlife

[@MeoAirAnalytics](https://twitter.com/MeoAirAnalytics) [meo air analytics](https://linkedin.com/company/meo-air-analytics)

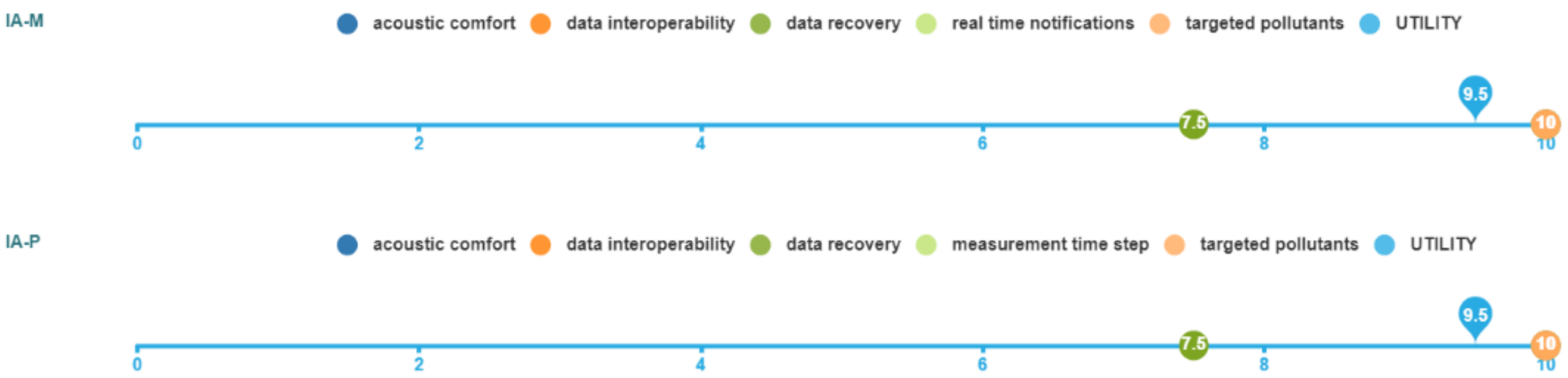


Detailed report

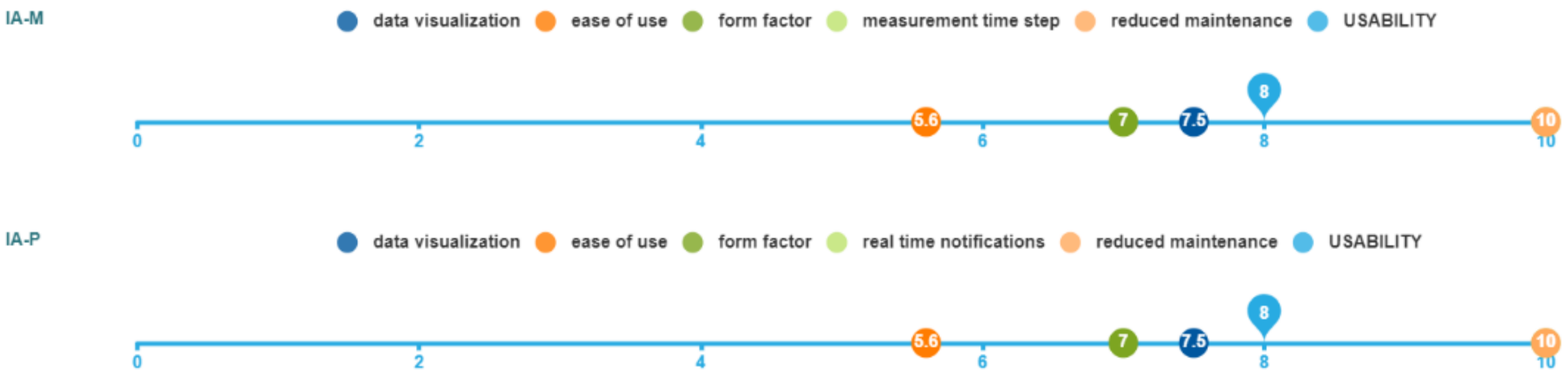
ACCURACY on 3 microsensors based on the SET method (Fishbain et al. 2017)



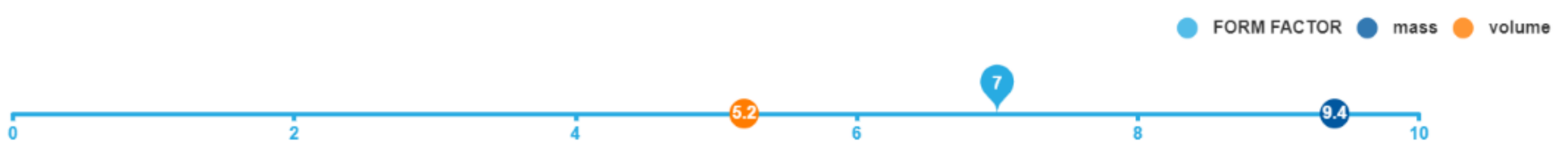
UTILITY the capacity of a sensor system to provide the essential functionalities for accomplishing the application objectives



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

