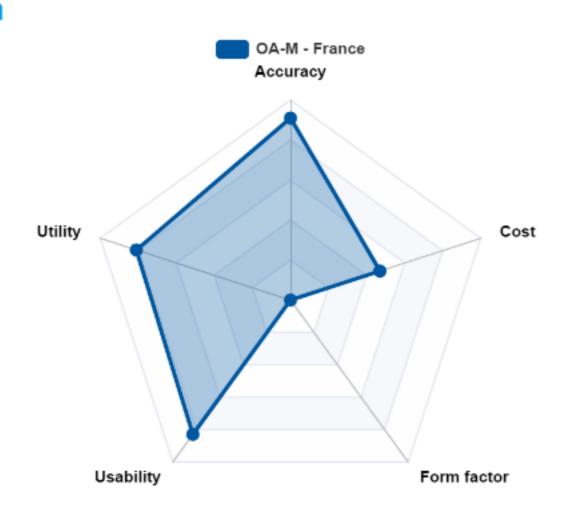
# \*\*\*\*

# Jury's opinion

The C-12 Carbon Sensor from ACOEM is the first Black Carbon sensor system to participate in the Challenge. It obtained an excellent score in accuracy, being comparable with reference analyzers and scores also well on the utility and usability scales. However it is held back by its large size and its cost.

#### **Evaluation**



Met One

POWERED BY ACOEM

Entreprise/Company

Acoem France

200 chemin des Ormeaux

69460 Limonest, France

N° SIREN 409869708 www.acoem.com



## **Measured pollutants**

 $\bigcirc$  CH<sub>2</sub>O  $\bigcirc$  NO<sub>2</sub> (NO<sub>X</sub>)

Oco Oo<sub>3</sub>

 $\bigcirc CO_2$   $\bigcirc PM_1$ 

Ovoc OPM<sub>2.5</sub>

OH<sub>2</sub>S OPM<sub>10</sub>

ONH<sub>3</sub> OSO<sub>2</sub>

ONO OParticle number (concentration)

⊗BC ⊗WB

#### Other measurements

O Humidity O Luminosity

Odours OAcoustic comfort

Data storage location: USA

### **Detailed report**

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



# COST investment and running costs over 3 years





FORM FACTOR 
mass 
volume