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AETHER: PM SENSOR NETWORK IN PATRAS

AETHER: a real time monitoring system for airborne particulate matter in Patras, Greece

The initiative: limited number of air quality stations, not able to cover the spatial and temporal variability of air quality and awareness of citizens

The funding: completely volunteer work, covered by crowd funding

The fundamental issue: measure accurately and in real world, inform in near real time, respect tax payers money

Horizon 2020
Call: H2020-SC5-2015-one-stage
Topic: SC5-15-2015
Type of action: ERA-NET-Cofund
Grant agreement no: 689443
Proposal acronym: ERA-PLANET

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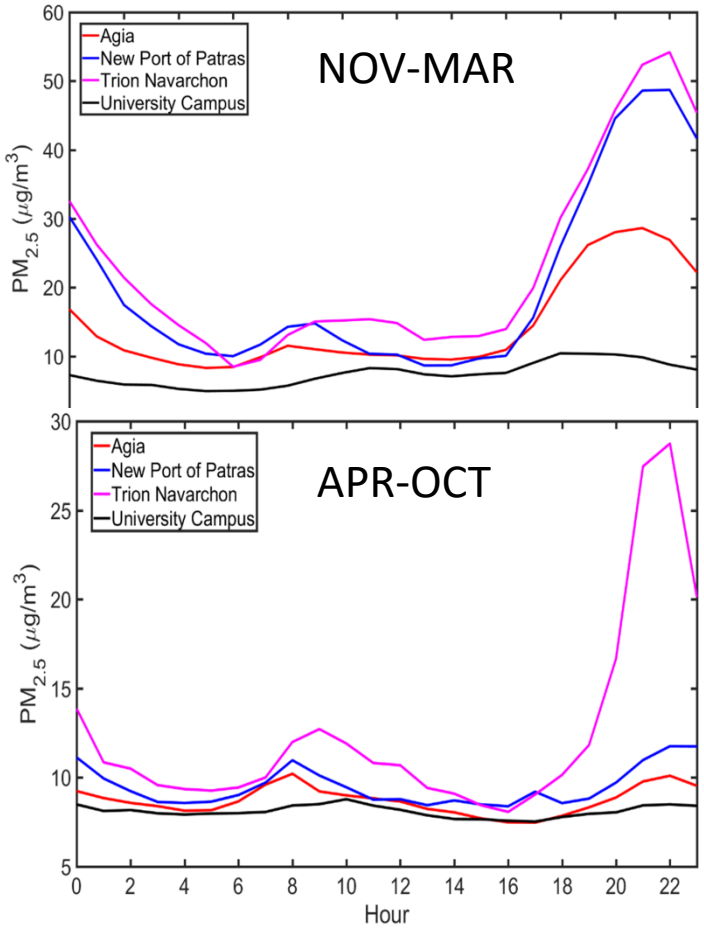
Lessons learned:

i) Low cost sensors can be quite robust!!

ii) Great possibilities to study the spatial and temporal variation of PM



Future steps:

- *All the usual! (WRF-Chem, FLEXPART, CAMS, geostatistical downscaling, maps, apps etc)*
- *Expand the "measurement solution" to other municipalities*

- *Examine the spatial and temporal representativeness of measuring stations*
- *Expand to measurements of chemical compounds (indoor/outdoor calibrations, drones – Poseidon Med II project)*
- *Do not be proactive, be predictive*

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