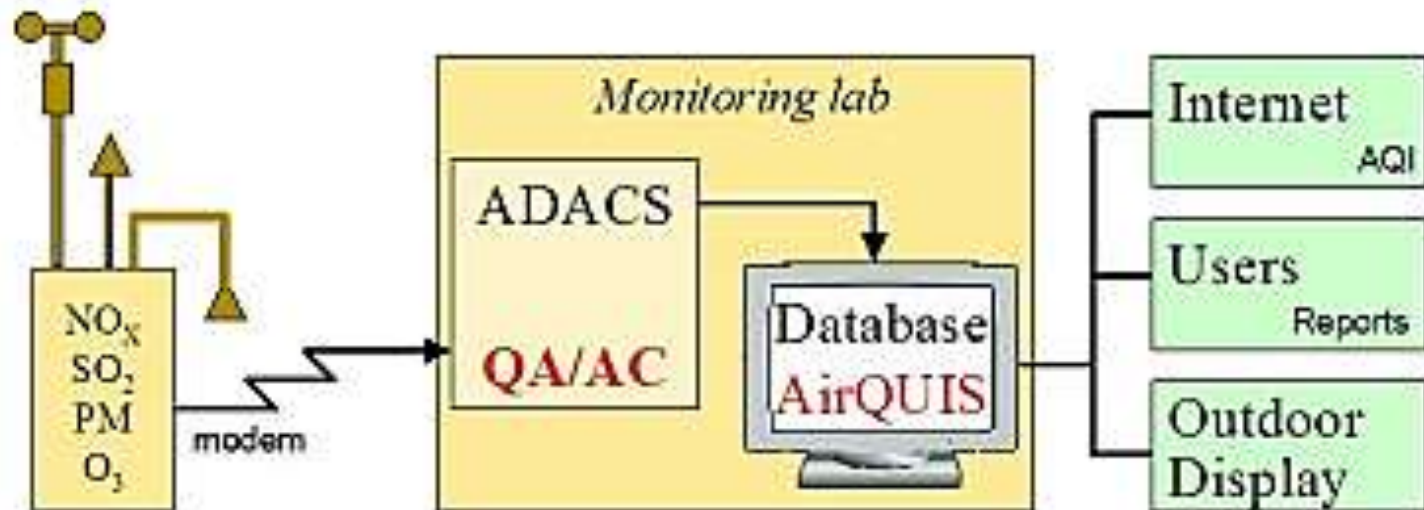# Air quality monitoring using IOT

Objectives :

❑ facilitate the background concentration(s) measurements,
❑ monitor current levels as a baseline for assessment,
❑ check the air quality relative to standards or limit values, – detect the importance of individual sources,
❑ enable comparison of the air quality data from different areas and countries,
❑ collect data for the air quality management, traffic and land-use planning purposes,
❑ observe trends (related to emissions),
❑ develop abatement strategies, – determine the exposure and assess the effects of air pollution on health, vegetation or building materials,
❑ inform the public about the air quality and raise the awareness,

IOT Device design

Data sharing platform :

- ❑ We create a web page for air quality monitoring.
- ❑ In the web page contain all information of our device.
- ❑ The web page is accessed easily and It's highly secured.
- ❑ In future the web page is developed into a software or applications.

Integration approach :

- In an Internet of Things (IoT), physical objects (things) that are connected to the internet .
- A software and sensors which allow them to exchange data with the rest of the world's systems.
- The devices by means of the internet.

THANK YOU