

**Academic background:**  
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Ambient air quality

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## Air Quality Monitoring

Monitoring and technical analysis of Vila Velha de Rodão air quality

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## Objectives

Taking into account that occasionally recorded high levels of inhalable particles (PM<sub>10</sub>) in monitoring work developed over the year 2011 and the population complaints, this work aims to establish itself as a second phase of the integrated technical analysis and quality monitoring air in Vila Velha de Rodão.

## Methodology

- Monitoring of air quality in Vila Velha de Rodão;
- Technical visits to major industrial units of Vila Velha de Rodão;
- Establishing contacts with other regional and national authorities with jurisdiction on air quality;
- Analysis and interpretation of meteorological data and the same relationship with episodes of poor air quality;
- Reporting and production results, additional monitoring and technical support to the municipal department with environmental protection;
- Study and proposals for the improvement of air quality in Vila Velha de Rodão

## Expected Results

The results should enable an expert analysis, allowing to identify the occurrence of problems in terms of air quality, as well as possible causes for these problems.

Taking into account all the information obtained and/or produced, if appropriate given the results obtained, it is essential to identify and evaluate the implementation of a set of measures to improve air quality that may be of a technical nature (e.g. restrictions on laboring major source of emissions in the days to foresee the occurrence of poor dispersion conditions, or the adoption of more efficient control of air emissions) or systems, non-technical (e.g. measures to raise awareness among major industrial units)



Fig.1: SNIF Air Lab monitoring at Vila Velha de Rodão

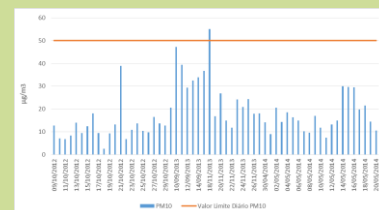


Fig.2: Daily analysis of PM<sub>10</sub> data

