

As a voluntary commitment under the BACA initiative, Spain presented an action in 2016 consisting in the development of a free app to deliver local air-quality measurements. This app would improve public awareness on Air Quality and information sharing on air quality and exposure to pollution. This announced action has now been materialized in the development of an internet site adapted to mobile phones visualization, containing real time air quality data information and also providing recommendation to the public on air quality impact on health.

As a result of this, the Spanish Ministry for the Ecological Transition and the Demographic Challenge launched in September 2020 the website for a new National Air Quality Index (<http://www.ica.miteco.es/>). Same as the European Air Quality Index, the Spanish National Index allows users to understand more about air quality where they live, work or travel, displaying up-to-date information for Europe, users can gain insights into the air quality in individual countries, regions, and cities. The Spanish index is based on concentration values for up to five key pollutants, including particulate matter (PM10), fine particulate matter (PM2.5), ozone (O3), nitrogen dioxide (NO2) and sulphur dioxide (SO2). It reflects the potential impact of air quality on health, driven by the pollutant for which concentrations are poorest due to associated health impacts. The six index bands are complemented by health-related messages that provide recommendations for both the general population and sensitive populations. Our index is calculated hourly for more than five hundred air quality monitoring stations across Spain, using up-to-date data reported by air quality network managed by the different regional administrations. The full methodology can be found in <https://www.boe.es/boe/dias/2020/09/10/pdfs/BOE-A-2020-10426.pdf> (only Spanish). The National Air Quality Index meets, therefore, the aims pursued by the voluntary commitments under the BACA initiative, namely:

- Making available to the public Air Quality information at national level, allowing comparison between different regions and showing air quality information by pollutant at different time resolution, according to legislation.
- Inform the public about air quality in real time, in a simple way, providing information to different temporal resolutions (short and medium term), including general health recommendations depending on the index values.

We hope this information contributes to update implementation and state of play of existing commitments under the BACA initiative.