

ESG 数据集—全国国控空气质量预报实时与历史数据

1. 数据集名称：全国国控空气质量预报实时与历史数据
2. 数据集访问方式：<https://data.epmap.org/product/nationair>

下载，API，在线 BI 分析。

3. 数据起止时间：2013-01 起到最新
4. 更新频度：每小时
5. 数据量：城市 367 个，站点根据十四五规划增加中，1700+.
6. 地区覆盖度： 全国省份
7. 数据交付时间：T+0
8. 数据来源：生态环境部城市空气质量发布平台：

<http://106.37.208.233:20035/> 空气质量预报平台：

<http://106.37.208.228:8082/>

9. 数据说明：

自 2013 年新空气质量标准施行以来的空气质量数据，AQI 即空气质量指数。根据《环境空气质量指数（AQI）技术规定》（HJ633-2012），AQI 是将《空气质量标准》（GB3095-2012）中规定的 6 项污染物（SO₂、NO₂、PM_{2.5}、PM₁₀、CO、O₃）的浓度依据适当的分级浓度限值计算得到的简单的无量纲指数，可以直观、简明、定量地描述环境空气质量状况。

10. 数据集内容：

- a) 基础资料：含监测点位名称，所属省市，经纬度。
- b) 监测值：AQI 及六项污染物具体浓度值。分为站点时报，站点日报，城市时报，城市日报。

- c) 预报：含未来 24、48 小时空气质量指数范围、空气质量等级、首要污染物等预报信息。

11. 数据集推荐用途（仅为示例，不限于如下用途）：

- a) 对各地涉及环境保护的城投债及相关环境治理企业业绩等进行分析预测。
- b) 对相关地区，行业生态环境保护投资趋势等进行分析。
- c) 对空气质量与健康，城市规划，交通等关系进行分析。

12. 数据集使用案例：

- a) 上海交通大学 COVID-19 对空气质量的影响
- b) 上海财经大学 上海各区环境污染对于住宅租赁价格的影响
- c) 河北科技大学 河北省 O₃-NO_x-VOCs 协同控制路径研究
- d) 北京工业大学 邯郸市一市一策

13. 联系方式：

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上海青悦 ESG 信息披露与评级方法论参见：<http://www.epmap.org/esgmeth>

ESG data set national air quality forecast, real-time and history data

one Data set name: national air quality control data

two Data set access mode: <https://data.epmap.org/product/nationair>

Download, API, online Bi analysis.

three Data start and end time: 2013-01 to the latest

four Update frequency: hourly

five Data volume: 367 cities, 1700 stations are added according to the 14th five year plan

six Regional coverage: provinces in China

seven Data delivery time: T + 0

eight Data source: urban air quality release platform of Ministry of ecological

environment: <http://106.37.208.233> : 20035 / air quality prediction platform:

<http://106.37.208.228> :8082/

nine Data Description:

Since the implementation of the new air quality standard in 2013, AQI is the air quality index. According to the technical regulations for ambient air quality index (AQI) (hj633-2012), AQI is a simple dimensionless index calculated by the concentrations of six pollutants (SO₂, NO₂, PM_{2.5}, PM₁₀, Co, O₃) specified in the air quality standard (gb3095-2012) according to the appropriate graded concentration limits, which can directly, concisely and quantitatively describe the ambient air quality.

ten Data set content:

a) Basic data: including monitoring point name, province, longitude and latitude.

b) Monitoring values: AQI and specific concentration values of six pollutants.

Divided into site times, site daily, city times, city daily.

c) Forecast: including the forecast information of air quality index range, air quality grade and primary pollutants in the next 24 and 48 hours.

eleven Recommended use of data set (for example only, not limited to the

following uses)

a) This paper analyzes and forecasts the performance of urban investment bonds and related environmental governance enterprises involved in environmental protection.

b) The investment trend of ecological environment protection in related areas and industries is analyzed.

c) Analyze the relationship between air quality and health, urban planning, transportation and so on.

twelve Data set use case:

a) Shanghai Jiaotong University Influence of covid-19 on air quality

b) Shanghai University of Finance and Economics The impact of environmental pollution on housing rental price in Shanghai

c) Hebei University of science and technology Research on collaborative control path of O₃ NO_x VOCs in Hebei Province

d) Beijing University of Technology Handan City, one city, one strategy

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For the information disclosure and Rating Methodology of Shanghai Qingyue

ESG, please refer to: <http://www.epmap.org/esgmeth>