

ACKNOWLEDGEMENT

Dear readers,

The “Air Pollution in the Czech Republic in 2021” yearbook, you are just opening, is a result of joint efforts of a team of authors of air quality staff of CHMI, formed by experts with various specializations necessary for the successful processing of the entire publication. An important role is played by colleagues from regional offices who, in addition to their expertise, also bring knowledge of local conditions.

The yearbook has been prepared on the basis of verified data collected through the Air Quality Information System (AQIS). Primary measurements are carried out by the Czech Hydrometeorological Institute in the National Air Quality Monitoring Network. The collected air samples are analysed by air quality laboratories. Last year, new laboratories were put into operation in the Ústí nad Labem branch, which will significantly strengthen the institute's ability to measure polycyclic aromatic hydrocarbons. Another source of data for the AQIS database is information on air quality provided by cooperating institutions. These are, in particular, the Public Health Institute in Ostrava, the Public Health Institute in Ústí nad Labem, ČEZ, a. s., the Forestry and Game Management Research Institute, p. r. i., the Czech Geological Survey, the Institute of Hydrobiology, municipal authorities and other contributors. The database also includes information from the border areas of Slovakia, Germany, Poland, and Austria. Data from neighbouring states help us mainly to refine map outputs in border areas.

The emissions part of the AQIS database includes data on emissions reported through ISPOP, whose activities are ensured by the Czech Environmental Information Agency (CENIA). The Czech Statistical Office, the Transport Research Centre, p. r. i., and the Research Institute of Agricultural Technology, p. r. i., participate in the emission inventory preparation. Other data are provided by the Military Geographic and Hydrometeorology Office in Dobruška, the Road and Motorway Directorate of the Czech Republic and the Institute of Transportation Engineering of the Capital City of Prague. The operation and development of the AQIS database is provided in cooperation with the IDEA-ENVI Ltd.

The 2021 yearbook presents an overview of information on the status and development of air pollution in the area of the Czech Republic. Emphasis is placed on the interpretation of the measured data and presenting the interrelations between the level of air quality, meteorological conditions and other factors affecting the pollution burden.

I would like to thank all my colleagues who contributed to preparation of this yearbook. Thanks also go to colleagues who provided data measurement and processing. I would also like to extend my thanks to employees of cooperating organizations for their contributions. Special thanks are due to editors of the yearbook, RNDr. Leona Vlasáková, Ph.D. and Ing. Hana Škáchová, for conscientious work in coordinating preparation of the texts and graphic annexes. I am convinced that this material will be a valuable aid for your work. We greatly welcome any suggestions and recommendations for improvement of the service provision.

Prague, October 2022

RNDr. Jan Macoun, Ph.D.
Air Quality Director