



PROJECT INFORMATION

Improving air quality monitoring at rural background stations in Bulgaria



The Schauinsland rural background station monitors air quality for the implementation of national and international environmental agreements.

Source: F. Meinhardt, UBA

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Target country: Bulgaria

Duration: 09/2017–10/2020

Beneficiaries: Ministry of Environment and Water, Executive Environment Agency

Implementing organisations:

Ramboll Deutschland GmbH, TÜV SÜD Industrie Service GmbH, TK Engineering Ltd.

Project number: 90041

Thematic management:

German Environment Agency (UBA)

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Background

Because high pollutant concentrations in air have negative effects, improving air quality has become one of the main priorities of EU environmental policy. Several requirements are set by the EU Directives 2004/107/EC and 2008/50/EC. Air quality monitoring is performed i. a. by measurements at rural background stations. Technical experts of the Executive Environment Agency of Bulgaria have to validate the quality of the measured data before reporting ambient air data to the European Environment Agency. Bulgaria intents to improve these data validation and reporting processes.

Project details

The objective of the project was to increase the capacities of the Executive Environment Agency of Bulgaria for operating with ambient air data of rural background stations. Experts from Germany and Bulgaria engaged in an exchange aiming at helping to protect environment and human health in Bulgaria by more qualified measuring, validation and reporting of air quality. During a fact-finding mission to Bulgaria, experts from Germany gained insight into the national air quality monitoring system of Bulgaria, which enabled them to provide targeted, demand-oriented advice. A study visit to Germany took experts from Bulgaria to the data center of UBA's air monitoring network in Langen, to UBA's central laboratory for air quality analysis in Langen, to the Schmuecke and Schauinsland rural background stations and to the Hessian Agency for Nature Conservation, Environment and Geology (HNLUG) in Wiesbaden. A targeted manual summarises recommendations for the further development of air quality monitoring at a rural background station in Bulgaria.

Advisory Assistance Programme (AAP) for environmental protection in the countries of Central and Eastern Europe, the Caucasus and Central Asia and other countries neighbouring the European Union – a programme of the Federal Ministry for Environment, Nature Conservation and Nuclear Safety

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