



Ambient air pollution and noise have considerable impact on the human health and the environment. A possibly changing climate in general may lead to considerable changes also on the regional scale. People and the environment as such as well material goods also need to be protected from natural or human-induced radiation. Hence, the monitoring and evaluation of these environmental impacts as well as the information about the "state-of-the-environment" are key tasks of the Department of Pollution Control and Radiation Protection.

Among the specific fields of activity of this Department are the following:

- ambient air pollution
- climate protection
- authorisation and quality control of measuring stations for monitoring
- noise, vibrations
- radioactivity and precautionary radiation protection
- environmental information

Ambient Air Quality monitoring data

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The earth's natural resources are limited and detailed knowledge of them is a prerequisite for sustainable resource management and use. Geological, pedological, engineering- and resource-specific exploration provides the basis for professional advice on all geo-scientific questions of regional planning, geo risks and soil protection. It also supports the prevention or minimumization of adverse impacts to the soil and bedrock and hence contributes to the conservation or restoration of vital resources.

This Department's fields of activity include:

- geological exploration of the subsurface
- evaluation of mineral deposits
- evaluation of soil functions and soil protection
- fundamental investigations for remediation of contaminated sites
- geophysical investigations and seismological service of the state of Hesse
- monitoring the safety of water retaining structures and dams
- exploration of areas at risk from landslides and sinkholes
- geoscientific advice



Water is vital to human, animal and plant life. The Department of Water is therefore engaged in the conservation or restoration of a good ecological and chemical status of surface waters as well as a good chemical and quantitative status of groundwater resources. This mission is dependent upon the collection of relevant monitoring and assessment data.

The department's areas of responsibility include:

- monitoring the chemical-physical, biological and structural quality of surface waters
- implementation of the EU Water Framework Directive
- municipal monitoring of sewage treatment plants and certification of principal operators
- collection of basic data on rainfall and runoff
- flood protection
- groundwater protection and hydrogeological survey
- expert opinions for the delineation of protection areas for drinking water and medicinal springs
- expert advice on groundwater-resources use (e.g. borehole heat exchangers)

Hessian Agency for the Environment and Geology (HLUG)

The HLUG is a technical and scientific environmental authority within the organizational framework of the Hessian State Ministry for the Environment, Energy, Agriculture and Consumer Protection (HMUELV).

Dedicated and competent professionals of various disciplines are working together in order to investigate and evaluate the key media of our environment – water, soil and air. They are in charge of key tasks on behalf of the Hessian environmental administration, as for instance the further development of the geodata infrastructure.

Data and information on the condition and change of the environmental media are recorded, collected, processed, evaluated and are made available to the general public. These data are used to develop concepts, policy recommendations and expert opinions. On this basis the HLUG provides scientific, expert and practically orientated advice to the ministries and other authorities. The agency regularly informs experts as well as the public through publications, informative events (public meetings) and the internet (www.hlug.de).

The agency is located in Wiesbaden and has branches in Kassel and Darmstadt as well as in Ebsdorfergrund, Hünstetten and Villmar.

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Hessen-Viewer
- <http://hessenviewer.hessen.de>

www.ansicht.com



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