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General Information

The Robert Koch Institute (RKI) is Germany's public health institute. It has the mission to protect and improve the health of the population. Its tasks are:

- Identification, surveillance and prevention of diseases, especially infectious diseases
- Monitoring and analysing long-term public health trends in Germany
- Epidemiological and medical analyses as well as evaluation of highly pathogenic and highly contagious diseases which are of great significance to the general public
- Providing a scientific basis for health-related political decision-making
- Informing and advising political decision-makers, the scientific sector and the general public
- Executive tasks as defined by law, in particular with regard to protection from infection, legislation on stem cell research, and attacks using biological agents
- Federal health reporting

In addition to epidemiology, disease research and the social sciences, achievements in the field of artificial intelligence (AI) in particular have the potential to meet the growing challenges in protecting the health of the population. Thus, in order to be able to meet its responsibility well into the future, the RKI established a new "Centre for Artificial Intelligence in Public Health Research (ZKI-PH)" in Wildau – in close proximity to the nearby University of Applied Sciences (TH) Wildau, which is home to a number of AI specialists in various fields.

The ZKI-PH combines the RKI's traditional expertise in infectious and non-communicable disease research with artificial intelligence methods. In this way, previously unknown epidemiological and pandemic correlations can be uncovered, research results from the various areas of activity within the RKI can be linked, and research outcomes can be made available more readily to other national institutions for the benefit of public health.

The centre covers the following five research areas in the context of Public Health:

- ZKI-PH 1 AI Fundamentals
- ZKI-PH 2 AI for Molecular Diagnostics (MDx)
- ZKI-PH 3 AI for Imaging
- ZKI-PH 4 AI for Society
- ZKI-PH 5 AI-supported Data Visualisation

Key facts

- **Founded in 1891**
- **Federal Public Health Institute**
- **4 Locations in Wildau, Berlin (2x) and Wernigerode**
- **Over 1.300 employees are working in 7 departments**
- **Host to three Collaboration Centres of the World Health Organization**
- **International Partnerships with research institutes all over the world**

CENTRAL RELATED INFRASTRUCTURE & RESOURCES

- **Interdisciplinary research in infectious diseases, non-communicable diseases and biological hazards.**
- **Member of the Wildauer Network Artificial Intelligence (Net4Ai).**
- **Since 2021 the ZKI-PH is working in Wildau.**

