Introduction of Institute for Environmental Health and Related Product Safety China CDC

Director/Prof. Jin Yinlong
Institute for Environment Health and Related Product Safety (IEHS), China CDC was established in May 2002 based on former Institute of Environmental Health and Engineering (IEHE) and Institute of Environmental Health Monitoring (IEHM), Chinese Academy of Preventive Medicine (CAPM).
It is a national professional institution for environmental health and related products safety and also a national center for technical guidance and instruction on environmental health and related products safety to CDCs at provincial level.
IEHS’ Personnel

272 staffs

- Administrator 21%
- Assistant Researcher 28%
- Technician 26%
- Prof. & Assoc. Prof. 25%
Air quality safety
Water quality safety
Env. epidemiology
Env. chemistry
Env. toxicology
Env. microorganism

Research dept.

Biological treatment
Env. impact assess.
Health engineering
Product registration
Disinfection
Regulations and standards
Information & promotion

National Institute for Environmental Health and Related Product Safety, China CDC
IEHS’s Mission

- To provide scientific evidences and technological supports for formulating policy, law, strategies, technical guidelines and regulations on environmental health and related products;
■ To develop surveillance and conduct researches on environmental diseases and environmental factors which impact on the human health;

■ To conduct surveys on environmental pollution accidents and provide technical supports to respond to any emergency;
To be in charge of environmental surveillance and assessment of air, water, soil, solid wastes and public places;
To be in charge of testing, monitoring, evaluating and provide judgments on health products including cosmetics, drinking water and water related products, construction products, household chemical products, and air cleaner;
To provide technical support and guidance on surveillance of environmental health and detection of health products for all provinces;

To be a national organization in charge of detection of health products authorized by the Ministry of Health;
To make safety assessments for newly developed technologies or products;

To conduct applied research on environmental and related health products;

To carry out international exchanges and collaborations.
Main projects

- **Health effects of outdoor & indoor air pollution**
  - Study on the relationship between air pollution and lung cancer in 26 cities of China
  - Quantified study on health impact of air pollution from coal-burning in Taiyuan city, Shanxi province, China
Study on health effects of indoor air pollution due to coal burning on women and children in rural areas

Physic and chemical characters and biological effects of particulate matter in atmosphere

Biological outcomes of low concentration respirable particulate matters in ambient air
The etiological study on high incidence of lung cancer in Xuanwei county, Yunnan province

Study on effects of climate change on human health in China

The transport sector’s impacts on health in China
The hazards of small industry pollution on human health

Study on personal exposure to PM2.5, benzene and formaldehyde

Establishment of surveillance points on air pollution and health impacts
Study on monitoring and assessment method of exposure of volatile organic compound

The study on equipments for monitoring on indoor air pollution and personal exposure
Study on assessment techniques for health impact of key indoor air pollutants

Study on control techniques for health impact of key indoor air pollutants

Alleviating indoor air pollution in poor rural areas in China (WB)

Partnership for clean indoor air (PCIA)
Drinking water and water supply and treatment

- Techniques for the treatment of water with high fluoride in rural areas
- Study on removal methods of water fluoride and arsenic
- Evaluation on the effects of water defluoridation measures in China
Study on the effects of arsenic-contaminated water on children’s intelligence

Association of water factors and cardiovascular diseases

Investigation of Huai River pollution and tumor
The treatment of solid waste and night soil

Assessment methods of effects of treatment measures

Assessment of effects of toilets improved
Studies on endemic arsenic poisoning

Distribution of epidemic arsenic poisoning in China

Selenium levels and cognition decline in rural elderly Chinese
Studies on endemic fluorosis and fluoride

Study on the environmental characters and control of fluorosis due to burning coal in Three Gorges of Yangtze River

A dose-response relationship between fluorosis and daily total intake of farmer
Hygienic standards

- Indoor air quality standard
- Ambient air quality standard
- Sanitary standard for drinking water
- Standard of Test methods for drinking water
Hygienic standard for toilet

Diagnosis standard for endemic arsenic poisoning

Sanitation standard of products for health care

Standards of health protection zone for different plants (concrete, paint ……)

National and International Seminars and Workshops

Part of the recent two years
National Symposium on Environmental Health
Aug. 29-30, 2005 Beijing
International Seminar on the Transport Sector’s Impact on Health in China

Sep. 22-23, 2005  Beijing
International Symposium on Climate Change, Climate Variability and Health in China

Nov. 2-3, 2005  Beijing

National Institute for Environmental Health and Related Product Safety, China CDC
National Forum on Environmental Health in China

Nov. 18-19, 2005  Beijing

National Institute for Environmental Health and Related Product Safety, China CDC
International Safety Assessment Seminar on Animal Alternative Method

Nov.11-12, 2005  Beijing

National Institute for Environmental Health and Related Product Safety, China CDC
Administrator of USEPA Visited Project Areas in China
April 11-13, 2006 Yunnan

National Institute for Environmental Health and Related Product Safety, China CDC
Training Workshop on surveillance points on air pollution and health impacts
April 22-23, 2006  Zhangjiagang
Training Workshop on Hygienic Assessment and Supervision of Central Air-conditioning Ventilation System

May 28-29, 2006  Beijing

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