



Funded by the  
European Union

# WECOOP

EU – Central Asia Cooperation on  
Water – Environment – Climate Change

## WECOOP study tour “Integrated environmental permitting and introduction of Best Available Techniques (BAT)”

18-24 September 2022  
Prague, Czech Republic

### PROGRAMME

Date	Time	Place/activity	Note
<b>Sun 18.9.</b>		Arrivals of participants – transfer to the hotel	Organized by WECOOP
<b>Mon, 19.9.</b>	8.45 – 9.30	Transfer to the Environmental centre (José Martího 407/2, 162 00 Praha 6)	Public transport
	9.30 – 11.30	The Charles University Environment centre – Department of Environmental Economy	
	11.30 – 14.00	Lunch break, transfer to the Ministry of Environment (Vrsovicá 65, 100 10 Praha 10)	Public transport
	14.00 – 16.30	Ministry of Environment – Division of State Administration	
	16.30 –	Free time	
<b>Tue, 20.9.</b>	8.30 – 9.00	Transfer to the Regional Office (Zborovská 81, 150 00 Praha 5-Smíchov)	Public transport
	9.00 – 12.00	Regional Office of the Central Bohemian Region – Department of Environment	
	12.00 –	Free time	
<b>Wed, 21.9.</b>	8.30 – 10.00	Transfer to CEZ Tusimice Power Plant (Northern Bohemia - Ústecky Region)	Organized by WECOOP
	10.00 – 16.00	Excursion to the CEZ Tusimice Power Plant (coal fired power plant, wind park)	
	16.00 – 17.30	Transfer to Prague	Organized by WECOOP
<b>Thu, 22.9.</b>	8.45 – 9.30	Transfer to the Institute (Rozvojoová 135, Praha 6)	Public transport
	9.30 – 12.00	Institute of Chemical Process Fundamentals, Czech Academy of Sciences - Department of Environmental Engineering	
	12.00 – 14.00	Lunch break, transfer to CENIA (Moskevská 1523/63, 101 00 Praha 10-Vršovice)	Public transport
	14:30 – 16:30	Visit to CENIA – Czech Environmental Information Agency	
	18.00 – 20.30	Common dinner hosted by Rut Bizkova and Vladislav Bizek	Walking distance from hotel
<b>Fri, 23.9.</b>	9.00 – 9.30	Transfer to the Technology Agency (Evropská 1692/37, 160 00 Praha 6)	Public transport
	9.30 – 12.00	Technology Agency of the Czech Republic	
	12.00 –	Free time	
<b>Sat, 24.9.</b>		Departures of participants – transfer to the airport	Organized by the project

## Information on the organizations

### **The Charles University Environment centre – Department of Environmental Economy**

The Department explores the relationship between society and the environment using social science methods, particularly quantitative economy and sociology. Main topics include modelling of energy system development and emissions projections (including analysis of the determinants of emissions development (decomposition analysis, econometrics), analysis of the impact of regulations on the economy and households through macroeconomic or simulation models or quantification of external costs and impacts of pollution on human health, buildings and materials and the environment, including analysis of the impact of climate change on sectoral development.

Website (English): <https://www.czp.cuni.cz/czp/index.php/en/about-us/dpt-of-env-econ-and-soc>

Overview of methods applicable in formulation of environmental and climate policies with respect of economic parameters and expected impacts of policies (modelling of scenarios, cost assessments).

### **Ministry of Environment of the CR, Prague**

400 Section of State Administration – Deputy Minister Vladimir A. Mana (Department of Legislation, Department of State Administration Supervision).

Website (English): <https://www.mzp.cz/en>

Introduction to the system of environmental protection in the Czech Republic with focus on integrated environmental permitting and implementation of BAT, information on recent developments in relevant EU policies and legislation (revision of the Directive on Industrial Emissions, revision of air related legislation), priorities of the Czech Presidency of the EU. Explanation of the role of the Ministry in integrated environmental permitting and introduction of BAT.

### **Regional Office of the Central Bohemian Region, Prague**

*Note: Region is an administrative unit (like “oblast”) with independently elected regional government and permanent administrative office. Majority of environmental permits (including integrated permits) is being issued by regional governments while the Ministry of Environment acts as appeal authority.*

Department of Environment and Agriculture, Section Waste management (competent authority for issuing integrated environmental permits in the region).

The region has variety of different industries – power plant, oil refinery, car companies (Škoda, Toyota), heavy chemistry, machinery - which means considerable experience with integrated permitting and BAT implementation. At present, 239 industrial and agricultural installations in the region are operated with valid integrated permit and permitting procedure is in progress in 3 more cases.

Website (English): <https://www.kr-stredocesky.cz/en/web/centralbohemia>

Presentation of practical experience with the whole process of integrated permitting (application, assessment of BAT parameters, permit, revision, appeals). Special attention will be paid to revisions of integrated permits in the case of technological change and to the assessment of compliance of installed technologies with BAT requirements.

### **CEZ (Czech Power Company)**

CEZ is the leading energy company in the Czech Republic (one third of national electricity sales) which operates practically all types of power plants (including two nuclear power plants). The first wave of BAT introduction in coal fired power plants had been implemented in early 1990s. At present, all CEZ coal fired power plants (in total 6200 MW) are in full compliance with the recent EU requirements (BAT Conclusions 2017).

Website (English): <https://www.cez.cz/en/home>

Visit to a modernized coal fired power plant in Tušimice.

### **Institute of Chemical Process Fundamentals, Czech Academy of Sciences, Prague**

Department of Environmental Engineering, Department of Chemistry and Physics of Aerosols

Research in the Department of Environmental Engineering involves the development of new procedures for increasing the efficiency of thermochemical conversion of fuels with the use of new and alternative fuels and further reducing the impact on the environment (development of new and more effective processes of flue gas treatment, effective and clean utilization of new waste-based fuels, and the search for suitable methods of processing and using solid waste from energy production), the development of technologies to advance decentralized systems for the use of alternative fuels and biomass by gasification and pyrolysis and their transformation to synthesis gas of a quality suitable for the production of chemical commodities, primarily transport fuels and hydrogen. The Department of Aerosol Chemistry and Physics (DACP) addresses studies of the chemical and physical properties of atmospheric aerosols (especially fine solid particles in the air), their source apportionment and monitoring of aerosols in both ambient air and in indoor environments. Thermal energy storage is an important part of the Department's research (studies of properties of phase-change materials and thermal fluids that can be used in thermal batteries).

Website (English): <https://www.icpf.cas.cz/en/>

Presentation of recent results of the Institute with focus on implementation in industrial practice.

### **CENIA – Czech Environmental Information Agency**

The Czech Environmental Information Agency (CENIA) is a contributory organization of the Ministry of the Environment (MoE). The basic purpose of the organization is synthetic research in the field of ecology and environmental care and professional support for the performance of state administration, especially in the field of integrated prevention. CENIA's mission is to collect, evaluate and interpret environmental information and to provide it to the professional and lay public.

CENIA cooperates with all providers of data sources in the environmental ministry as well as with a number of research, scientific and university institutions. It participates in the development and provision of selected data and mapping services and is the operator of a number of information systems. CENIA uses its expertise in the preparation of national assessment documents and strategic and conceptual materials produced under the responsibility of the MoE. The various CENIA teams collaborate on both national and international projects, and CENIA is thus profiling its position also in the field of science and research.

Website (English): [https://www.cenia.cz/czech-environmental-information-agency/#\\_o-cenia](https://www.cenia.cz/czech-environmental-information-agency/#_o-cenia)

### **Technology Agency of the Czech Republic, Prague**

The Technology Agency of the Czech Republic is a state agency founded in 2009 to support applied research, experimental development and innovation. It aims to support applied research and experimental development especially in the field of advanced technologies, materials and systems, energy resources and the protection and creation of the environment including sustainable development of transport. Approved budget for 2022 is EUR 250 million.

Website (English): <https://www.tacr.cz/en/>

Information on supporting procedure (with focus on international cooperation – DELTA Programme), presentation of successful projects (both national and international and discussion of potential financing of joint projects (CA country, Czech Republic).

**Facultative programme** (Tuesday or Thursday afternoon) – could be organised ad hoc in the case of interest of participants.

### **Czech Geological Survey**

Website (English): <http://www.geology.cz/extranet-eng>

Discussion of potential cooperation with CA countries.