

## **Summer School**

### **Post-Accident Radiation Monitoring Techniques**

**7 - 12 June, 2020**

#### **Deadlines:**

30 of April 2020 - for registration and passport information

10 of May 2020 - complete payment documents for bank transfer (the Contract)

17 of May 2020 - for Payment to bank account

7 of June 2020 - for Arrival in Kiev and transportation to the training facility

#### **Cancellation policy:**

- Cancellation free of charge until 6 weeks prior to training start
- Full training fee applies for cancellations later and for non-appearance.

#### **Organizers:**

European Centre of Technological Safety (TESEC), Kyiv, Ukraine

Research and Production Enterprise Atom Komplex Prylad, Kyiv, Ukraine, [www.akp.com.ua](http://www.akp.com.ua)

**Host Country:**

Ukraine

**Executive organization:**

RPE Atom Komplex Prylad, Kyiv, Ukraine,

**Workshop director:** □ □ □ □ □

Dr. Victor Poyarkov, Director of European Centre of Technological Safety

**Workshop executive director:**

Ms. Galyna Kazymyrova,

Ph. 380-44 501-4907, Fax: 380-44 502 8918

E-mail: galina@akp.kiev.ua

**Workshop language:** □ □

English

**Workshop location:**

Resort Hotel, Kyiv Region, about 40 km from Kyiv

**Field Exercise location:**

Exclusion Zone of Chornobyl NPP

**The nearest international airport:** □

Boryspil, Kyiv

Zhulianiy, Kyiv

### **Information about participants:**

Scanning copy of the passport first page and completed the Participants registration form have be sent to e-mail [galina@akp.kiev.ua](mailto:galina@akp.kiev.ua)

### **Objectives:**

This Training Course is organized to provide training and experience in:

- techniques of post-accidental radiation monitoring;
- accidental dose assessment;
- emergency response in the case of nuclear or radiological accidents.

The curriculum is designed for emergency workers, decision-makers, graduate students, university faculty and scientists interested in emergency preparedness and response, radiation protection and risk assessment.

The curriculum includes:

- classroom instruction;
- field training;
- exercises in contaminated area of the Chornobyl Exclusion Zone.

### **Background:**

The Chornobyl accident has provided a unique opportunity for research and training on emergency response and post-accidental radiation monitoring. It is one of only a few places in the world where effective training and experience in internal and external dose assessment, radioactive sample collection and preparation, contamination mapping and decision making can be provided in real highly contaminated area. It is important to expand such experience for upgrading of post-accident radiation monitoring techniques and decision making in a case of nuclear or other radiological accident.

The TESEC was created by the Ministry of Ukraine of Emergencies and Affairs of Population

Protection from the Consequences of Chornobyl Catastrophe and Council of Europe Open Partially Agreement on the Prevention of, Protection Against and Organization of Relief in Major Natural and Technological Disasters. It has the laboratory facilities and faculty needed to provide advanced international seminars and group training. There are laboratories and equipment for sampling and sample preparation, portable dose and dose rate meters, alpha and gamma spectroscopy and beta particle detection, In-Situ measurement technique, etc.

The curriculum of the course consists of classroom instruction, practical field exercises and data analysis at the TESEC training facility, and exercises in contaminated areas of the Chornobyl Exclusion Zone.

The main purpose is to give opportunity for the participants, who are interested in providing of measurements, to apply their knowledge in “real” conditions and to be trained as emergency monitoring team. The purpose of the course is also to give opportunity for the participants to realize what action should be done during different phases of the accident, to participate in real measurement with the aim of emergency monitoring and to apply their knowledge in decision making using real results of measurements.

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□ □ **A distinguishing feature of the Training Course will be its practical aspects.** The international group of participants will be divided into teams to perform gamma and beta surveys, In-Situ gamma spectrometry, vegetation and soil sampling in contaminated field and forest locations, data acquisition and assessment.

## **Curriculum:**

The lectures and drills are developed by an international panel of experts. It is based on current international standards and methodologies. The training materials of IAEA train-the-trainers course “Regional Train-the-Trainers Course on Monitoring Strategies, Procedures, Reporting and Transmission of Data” will be used during the Training Course.

## **Travel:**

Participants should make their own travel arrangements to Boryspil` Airport (KBP) of Kyiv or Zhuliany Airport (IEV); AKP could provide guidance.

## **Visit:**

To near of Sarcophagus and Chernobyl NPP, city of Prypyat’.

## **Course Structure:**

**Main course:**

**Lectures:**

*Module M 1:* Emergency monitoring overview

*Module M 2:* Field radiation and contamination monitoring

*Module M 3:* Field sampling

*Module M 4:* Gamma spectrometry

*Module M 5:* Radiation protection of monitoring teams

*Module M 6:* Basic data evaluation

*Special lecture*

Chernobyl accident



## **Demonstrations and Drills**

*Session 1:*      Radiation instruments

*Session 2:*      Sampling equipment and techniques

*Session 3:*      Gamma spectrometer calibration

*Session 4:*      Personal and equipment contamination check

*Session 5:*      Evaluation session

## **Field exercises**

*Exercise No.1:*    Radiation and contamination monitoring

*Exercise No.2:*    Sampling

*Exercise No.3:*    In-situ gamma spectrometry

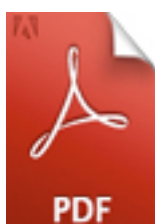
*Exercise No.4:* Laboratory measurements

*Exercise No.5:* Personal and equipment contamination check



[Participants' registration form](#)

[download form](#)



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[PARM 2020 brochure](#)

[download&nbsp;](#)

## **Cost of the ☐ Coures and Payment**

Cost of the course is 2980 Euro for one person.

### **The price includes:**

1. Transfer: **Airport Boryspil/Zhuliany, Kyiv - training facility - Airport Boryspil/Zhulian**

**y, Kyiv**

2. Visit to Chornobyl NPP and Chornobyl exclusion zone
3. Three time per day meals, official diner, coffee-breaks
4. Personal protection cloth for training and work
5. Set of printing materials for lecture and practice training
6. Accommodation

**Minimum number of participants: 8, maximum – 16.**