



*Atoms for Peace*

الوكالة الدولية للطاقة الذرية  
国际原子能机构  
International Atomic Energy Agency  
Agence internationale de l'énergie atomique  
Международное агентство по атомной энергии  
Organismo Internacional de Energia Atómica

National Liaison Officer

Vienna International Centre, PO Box 100, 1400 Vienna, Austria  
Phone: (+43 1) 2600 • Fax: (+43 1) 26007  
Email: [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org) • Internet: <http://www.iaea.org>

In reply please refer to: C7-RER/9/139/002  
Dial directly to extension: (+431) 2600-22329

2017-03-28

**Subject:** Invitation to a Regional Training Course on Oversight of Human and Organizational Factors  
Tirana, Albania, 3-7 July 2017

Dear National Liaison Officer,

I am pleased to invite you to send nominations of suitable candidates to participate in the above-mentioned training course under the framework of TC Project RER/9/139 – Strengthening Inspection Capabilities of the Regulatory Authorities (Phase II). The purpose of the training course and related information are outlined in the attached Prospectus.

For candidates who are selected by the IAEA, the IAEA will cover the cost of return international travel from the home country to Tirana, Albania and provide a stipend for the duration of the training course in line with IAEA rules and procedures.

Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Training Course available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/train-course/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Mr Alfredo Bano Leal (IAEA Official Fax: +43-1-26007 or E-Mail [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **12 May 2017**.

Yours sincerely,

Martin Krause  
Director  
Division for Europe  
Department of Technical Cooperation

Enclosures: Prospectus

# International Atomic Energy Agency

## Regional Training Course on Regulatory Oversight of Human and Organizational Factors

### PROSPECTUS

**Project Number & Title:** RER/9/139 - Strengthening Inspection Capabilities of Regulatory Authorities (Phase II)

**Place (City, Country):** Tirana, Republic of Albania

**Dates:** 3 - 7 July 2017 (5 days)

**Deadline for Nominations:** 12 May 2017

**Organizers:** The International Atomic Energy Agency (IAEA) in collaboration with the Government of Albania through the Radiation Protection Commission of the Republic of Albania

**Host Country Organizer:** Ms Mirela Shijaku  
Radiation Protection Commission of the Republic of Albania  
Str."Aleksander Moisiu" Nr. 80  
Tirana  
E-Mail: sh\_mirela@yahoo.com  
ALBANIA

**Language:** English

**Purpose:** The purpose of this training course is to introduce the concepts of Human and Organizational Factors (HOF); and to develop knowledge on and gain an understanding of widening the more classical inspection approaches to regulate safety from a rather technical view to human and organizational issues, as well as their interaction in a systemic way.

Safety is the result of the interaction between individuals, organizations and technology. This has been highlighted in many instances and by several past severe accidents such as the Chernobyl accident in 1986. The importance of Human and Organizational Factors (HOF) has been magnified throughout the evaluation of the Fukushima Daiichi accident which occurred in 2011.

Consequently, a regulatory body should pay special attention to not only technical, but also human and organizational issues. In conducting inspections and when interacting with licensees, a regulatory body shall consider all factors which may positively or adversely influence the safety-related performance of humans and organizations.

**Expected Output(s):** Participants will be expected to gain sufficient knowledge and understanding on how to prepare and implement inspection programmes for overseeing HOF as well as to get acquainted with the training materials in view to a national implementation of this course.

**Scope and Nature:** Throughout the training course, there will be presentations related to relevant IAEA publications as well as presentations delivered by experts to share their experience on inspection of HOF.

Exercises and discussions during breakout and plenary sessions will allow the participants to further understand and practice how to oversight HOF during inspections.

The necessary information and materials will be provided to the participants in order to facilitate the organization of training course on this topic in their own organization.

**Background Information:** The implementation of TC project RER/9/139 is primarily aimed at developing and strengthening safety infrastructure. It has been designed to assist participating countries that are developing their infrastructure for safety for a nuclear power programme or have nuclear power plants in developing and reinforcing their inspection capabilities and practices to oversee nuclear safety.

The regulatory bodies have to oversee the operator's activities to ensure that the facility is constructed, commissioned and operated safely. In the course of its routine activities, the regulatory bodies make judgements on the acceptability of safety level of the regulated facilities. A key challenge for them is to define a reliable approach that is systematic, comprehensive, based on well-defined acceptable criteria and guidelines and pragmatic in order to reach sound conclusions and make timely decisions in an efficient and effective manner.

Different countries have adopted different approaches for regulatory inspections. In this respect, the project is intended to facilitate the review the various practices and share the experiences to date. Taking into account new programmes and modern practices and the life extensions of many existing reactors, it is important to ensure that inspection activities focus on those areas which pose higher risk. Furthermore, the expansion of existing nuclear power programmes requires additional attention to HOF as well as Leadership and Management for Safety (LMS) from the early construction stages.

The project is aimed to provide assistance in defining regulatory requirements, prepare guides and integrate the oversight of the HOF and LMS within the regulatory inspection programmes as necessary.

The design of the project envisages the participation of counterparts from those countries of the region that are currently constructing, commissioning and operating nuclear power plants. The participation in the project activities of candidates from other countries will be considered on a need basis depending on the nature of the activities.

**Participation:** The training course is open to 20 participants. Priority will be given to candidates from countries that are currently operating nuclear power plants. Candidates from countries embarking in a nuclear power programme or operating non-power nuclear facilities will be considered on need basis.

**Participants' Qualifications:** The participants should be experienced staff members from the regulatory bodies or their technical support organizations who are directly involved in the planning, implementation or assessment of the inspections to nuclear power plants and, to a lesser extent, to no-power nuclear facilities. Candidates from nuclear power plants are also invited to participate as long as they have direct involvement in the implementation of inspections in their facilities.

The training course will be conducted in English and candidates should have sufficient English proficiency to participate in the training course without difficulty.

**Nomination Procedure:** Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Training Course available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/train-course/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Mr Alfredo Bano Leal (IAEA Official Fax: +43-1-26007 or E-Mail [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **12 May 2017**.

**Administrative and Financial Arrangements:** Nominating Governments will be informed in due course of the names of the candidates who have been selected and will, at that time, be given full details of the procedures to be followed with regard to administrative and financial matters.

Selected participants from countries eligible to receive technical assistance will be provided with a round trip economy class air ticket from their home countries to Tirana, Republic of Albania, and a stipend sufficient to cover the cost of their accommodation, food, and minor incidentals. Shipment of accumulated training course materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the training course do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the training course, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.