

CURSO ONLINE CAPEV 4-2018

1. Program's Logistics

<p>Title: Conceptual Energy Efficiency Map</p>	<p>Target audience:</p> <ul style="list-style-type: none"> - Officials of the energy and environmental sector of the governments of member countries and non-members of OLADE. - Public and private sector specialists involved in renewable energy projects.
<p>Instructors:</p> <p>Jaime Guillén – OLADE´s Consultant Armando Llangarí - Commercial Manager - GEINSOTEC SA</p> <p>Capacity Building Specialist: Lourdes Pillajo cap@olade.org</p> <p>Technical Support: capev-soporte@olade.org</p>	<p>Language: This course will have the translated pre-recorded broadcast version of the course which is originally delivering in Spanish</p> <p>Online Sessions: June 22 ,27 and July 4,6,11,13,18, 2018 Schedule Online Sessions: 09:00 to 10:30 am Quito time, GMT-5</p> <p>Note: We kindly suggest watching the local time in your country in relation to the local time in Quito. To verify the time for Ecuador, see: http://www.horlogeparlante.com/spanish/america_del_sur.php</p>
<p>Registration: Until May 31, 2018</p>	<p>Mode: Online Level: Basic</p>
<p>Before starting the course, communication tests will be carried out with the videoconference platform, the participants will be notified of the date and time of this test.</p> <p>Minimum Technical requirements:</p> <ul style="list-style-type: none"> • Personal Computer with operating system: Windows 8 or higher • Microphone and speakers working well. • Internet access with minimum bandwidth of 4 MB 	

2. Presentation

The global energy sector has great challenges ahead, mainly related to the constant increase in energy demand, the direct influence on greenhouse gas (GHG) emissions of the use of fossil fuels for their generation, and the relative scarcity of non-renewable energy resources. On the other hand, energy costs have made the reduction and efficient use of energy an important competitive advantage in the industrial and commercial sector worldwide.

As a result, energy efficiency has become one of the main tools, not only at the governmental level but also at the private level. It aims to achieve increased competitiveness through reduced costs as a result of reduced energy use, as well as to achieve a reduction in greenhouse gas (GHG) emissions associated with energy generation, taking into account that most energy is still generated from non-renewable sources worldwide.

For this reason, it is necessary to promote knowledge on issues related to Energy Efficiency, so that these basic concepts, as well as the most used mechanisms for the development of Energy Efficiency worldwide, can be incorporated in the different sectors of the countries' energy consumption.

3. General Objective

To show the participants the basic concepts of Energy Efficiency, as well as the tools most used for the development of activities, focused on the rational use of energy, with a global approach that goes from the governmental perspective to the point of view of the user of the different energy sources.

4. Specific Objectives

- To know the most widely used energy efficiency measures worldwide, applied from the government side most used in the globe, so that they can be replicated and adjusted locally in each of the countries, according to their own realities.
- To learn how to establish mechanisms to estimate the potential benefits of the introduction of energy efficiency measures and quantify the actual impacts obtained through the use of energy management systems and the ISO 50001 standard.
- To know the potential that has the implementation and development of energy efficiency with the saving in the use of energy, in terms of associated benefits and the improvement in the competitiveness of the different consumption sectors.

5. Participant's Profile

It is desirable that course participants have technical training in careers such as: mechanical, electrical, electromechanical, industrial or business administration. If you do not have technical training in the aforementioned careers, it is desirable that you have experience in technical departments of public entities related to the energy sector, the industrial sector or in entities in the tertiary sector, in positions related to administration, energy management, plant maintenance or the management of auxiliary services.

6. Duration of Program

The course will have the following workload:

- 7 online sessions of 1:30: 10 hours
- Hours dedicated of questionnaires: 10 hours
- Total: 20 hours

7. Registration and Certificate

The participant must go to the following link for registration to this course. <http://elearning.olade.org/course/view.php?id=287> . It's mandatory to register as the main mail, the institutional email in order to be able to make the differentiation of payment.

It is defined for this course as participants of the public sector to:

- Officials of the Ministries and Secretariats of Energy, Focal Points and entities directly dependent on the central government of the 27 Member Countries of OLADE. For this group OLADE offers a preferential treatment, so the value of the course is 88 Usd

For those outside the mentioned group, the value of the course is 200 Usd, it means will be considered within the "private" category".

- officials from other public bodies related to the energy sector.
- Students and professors from public and private universities.
- Independent consultants
- Private Companies

In order to make the payments, the participants must contact Javier Palacios to inform about the payment options to: javier.palacios@olade.org. Payments must be made until May 31, 2018.

8. Training Methodology

Online sessions will be taught under web seminar virtual method, which involves real-time interaction with the instructors and participants from different countries through Blackboard platform

Training subjects will be developed through presentations according to the schedule set out in Point 13. The sessions compose a theoretical presentation and a space for a round of questions and answers at the end of each of them.

The participant will find the links for each online session, presentations, questionnaires, session recordings, forums and other reference documents in the Virtual Classroom Platform.

The Virtual Classroom Platform (www.olade.org/elearning) is an informatics tool that allows reproducing the teaching process virtually; participants must register a username and password in order to access it (the same information used when making the registration to the program), which participants will get the academic material, recordings and assignments proposed by instructors.

9. Approval of Course

In order to approve the course, participants should complete a minimum score of 8/10. Instructors will propose a questionnaire for each online session which will be evaluated on 10. The deadline to complete each questionnaire will be 15 days. The participant will have two attempts for each questionnaire.

Note: The participant can unsubscribe the program until the middle. It means until June 12. For that, should to go: profile/Course Name/Administration Menu/Unenroll me from.

10. Course Evaluation

The participant have the opportunity to evaluate the general quality of the program by answering the assessment proposed in the Virtual Classroom Platform. The information gathered will serve as input for continuous quality improvement.

11. Intellectual property

All material produced and distributed during this course must be used exclusively for this course and only for registered participants. If a participant wishes to use part of the material distributed for disclosure to third parties, he/she must request written authorization to OLADE.

12. Instructors

Jaime A. Guillén P.

Mechanical Engineer from the University of the Armed Forces - ESPE, based in Ecuador, also he has a Master's degree in Sustainable Energy Engineering from the RMIT University of Australia. In his ten years of professional experience, he has been part of different organizations in the industrial sector, insurance and the energy sector. He currently works as an Energy Efficiency Consultant at the Latin American Energy Organization (OLADE), where he is in charge of managing the Latin American and Caribbean Energy Efficiency Project (PALCEE), as well as collaborating as a private consultant in the implementation of energy management systems for the commercial and industrial sector of Ecuador.

Armando G. Llangarí B.

Industrial and Process Engineer graduated from the Equinocial Technological University, in Quito Ecuador. In his 11 years of professional activity he has collaborated with companies in the industrial sector in the areas of Industrial Safety, Maintenance, Production, Quality Control, Operations and Engineering. For 7 years he has been advising companies and organizations in the Electric Power area. His training has been carried out through different training programs in countries such as China, Canada and the United States.

13. Course Content

N	Tema	Fecha
Sesión 1	Introduction to Energy Efficiency	22/06/2018
Sesión 2	Government Instruments of Energy Efficiency	27/06/2018
Sesión 3	Energy Management Systems - ISO 50001	4/07/2018
Sesión 4	Safety and quality of electrical energy - disturbances to the network	6/07/2018
Sesión 5	Energy audits	11/07/2018
Sesión 6	Energy Efficiency Indicators	13/07/2018
Sesión 7	Optimization of energy in industry and the commercial sector	18/07/2018