

LEAP Model: Hands-on training

-- In-room training --

Date: **July 2-4, 2024** | Dushanbe, Tajikistan | Venue TBC

Background

LEAP, the Low Emissions Analysis Platform, is a widely-used software tool for energy policy analysis and climate change mitigation assessment developed at the Stockholm Environment Institute. LEAP users include government agencies, academics, non-governmental organizations, consulting companies, and energy utilities. It has been used at many different scales ranging from cities and states to national, regional and global applications.

LEAP is fast becoming the de facto standard for countries undertaking integrated resource planning, greenhouse gas (GHG) mitigation assessments, and Low Emission Development Strategies (LEDS) especially in the developing world, and many countries have also chosen to use LEAP as part of their commitment to report under the UNFCCC. More and more countries continue to use LEAP to create energy and emissions scenarios that were the basis for their Nationally Determined Contributions and will track their NDC progress based on regular updates of the model results.

Based on the requests from multiple countries of Central Asia and the Caucasus to **build the capacity of their national experts in using the LEAP modelling**, the CBIT-GSP and ReCATH projects intend to address this request jointly by delivering the hands-on in-room training for key specialists from the key ministries and organizations of Central Asian and the Caucasian countries on LEAP modeling.

Objective

The main objective of the training is to **instruct and guide the participants** from the key organizations dealing with energy development as well as with modelling and scenarios of GHG emissions, on the **practical use of LEAP model**.

It is expected that the participants will acquire practical knowledge on how to operate with the LEAP model and what type of data are needed for processing. The improved knowledge on LEAP will result in better understanding of the NDC implementation progress in Central Asia and the Caucasus for better decision making.

Target Audience and Language

The training will gather key specialists and experts working on GHG Inventory, modelling and scenario for GHG emissions, mitigation actions and NDC. It is expected that the participants will represent key implementing organizations of the transparency and climate reporting in the face of the Ministries of Energy and its subsidiary branches, Ministry of Environment and Nature Resources, Hydromets and others.

The training will be held **in Russian** with possible interventions in English.

Proposed agenda

Day 1: July 2 nd 2024 (Tuesday)		
08:30 – 09:00	Arrival of participants and registration (ReCATH)	
09:00 – 09:15	Welcoming remarks	- Government of the Republic of Tajikistan - Mr. Dilovarsho Dustzoda, on behalf of ReCATH/CAREC - Ms. Aiymgul Kerimray, on behalf of UNEP-CCC
09:15 – 09:30	Evaluation of the participants level of knowledge before the training (menti)	Ms. Oxana Kravtsova, ReCATH/CAREC
09:30 – 10:30	Introduction to LEAP Model <ul style="list-style-type: none"> • Energy Balance, LEAP structure, Reference Energy System, user interface, input data requirements, main outputs. 	Aiymgul Kerimray, UNEP-CCC
10:30 – 10:45	Coffee-break	
10:45 – 12:30	Modelling energy demand with LEAP (Households, Transport, Industry, Services).	Aiymgul Kerimray, UNEP-CCC
12:30 – 13:30	Lunch break	
13:30 – 13:40	Energizer	Ms. Oxana Kravtsova, ReCATH/CAREC
13:40 – 15:00	Training Exercise №1. Setting Current Accounts and Baseline Scenario for the demand sectors (Households).	Aiymgul Kerimray, All participants
15:00 – 15:15	Coffee break	
15:15 – 16:40	Training Exercise №1. Setting Current Accounts and Baseline Scenario for the demand sectors (Households). Solution to Applied exercise. Discussion of obtained results.	All participants
16:40 – 17:00	Main take-aways from the Day 1 Evaluation of the Day 1	Ms. Oxana Kravtsova, ReCATH/CAREC
Day 2: July 3 rd 2024 (Wednesday)		
09:00 – 09:30	Arrival of the participants Introduction to the Day 2 Energizer	Ms. Oxana Kravtsova, ReCATH/CAREC

09:30 – 10:30	Modelling energy supply with LEAP: <ul style="list-style-type: none"> Energy Transformation (electricity generation, oil refineries) 	Aiyngul Kerimray, UNEP-CCC
10:30 – 10:45	Coffee-break	
10:45 – 11:30	Modelling energy supply with LEAP: <ul style="list-style-type: none"> Resources (Coal mining, oil and gas production) 	Aiyngul Kerimray, UNEP-CCC
11.30-12.00	Modelling emissions with LEAP	Aiyngul Kerimray, UNEP-CCC
12:30 – 13:30	Lunch break	
13:30 – 13:40	Energizer	Ms. Oxana Kravtsova, ReCATH/CAREC
13:40 – 15:00	Training Exercise №2. Modelling transformation sectors with LEAP (Electricity transmission and distribution, Electricity generation).	All participants
15:00 – 15:15	Coffee-break	
15:15 – 16:40	Training Exercise №2. Modelling transformation sectors with LEAP (Electricity transmission and distribution, Electricity generation). Solution to Applied exercise. Discussion of obtained results	All participants
16:40 – 17:00	Main take-aways from the Day 2 Evaluation of the Day 2	Ms. Oxana Kravtsova, ReCATH/CAREC
Day 3: July 4th 2024 (Thursday)		
09:00 – 09:30	Arrival of the participants Introduction to the Day 3 Energizer	Ms. Oxana Kravtsova, ReCATH/CAREC
09:30 – 10:30	Cost-benefit Analysis with LEAP	Aiyngul Kerimray, UNEP-CCC
10:30 – 10:45	Coffee-break	
10:45 – 11:30	Modelling Transport Sector with LEAP	Aiyngul Kerimray, UNEP-CCC
11.30 – 12.30	Modelling Non-Energy Sectors with LEAP	Aiyngul Kerimray, UNEP-CCC
12:30 – 13:30	Lunch break	
13:30 – 13:40	Energizer	Ms. Oxana Kravtsova, ReCATH/CAREC

13:40 – 15:00	<p>Training Exercise №3. Modelling emissions with LEAP. Setting up mitigation scenario with LEAP.</p> <p>Solution to Applied exercise. Discussion of obtained results</p>	All participants
15:00 – 15:15	Coffee-break	
15:15 – 16:30	<p>Training Exercise №3. Modelling emissions with LEAP. Setting up mitigation scenario with LEAP</p>	All participants
16:30 – 17:00	Wrap-up, key take-away messages and next steps	Ms. Oxana Kravtsova, ReCATH/CAREC
	Evaluation of the training	