



The First LEED and BREEAM Introduction in Georgia

The first LEED training and BREEAM introductory course in Georgia was conducted on September 30th - October 1st by the Alliance to Save Energy, in partnership with Green Building Council Georgia, both partners of Winrock under the EC-LEDS Clean Energy Program. The training was led by international experts Duygu Erten (PE, LEED Faculty, DGNB and BREEAM Assessor and founder of the Turkish Green Building Council), Eren Bastanogly (LEED AP) and Katya Kaya (BREEAM Assessor, LEED Green Associate), all of TurKECO, a green building consulting firm.

Training covered the two most developed rating systems in the world: (1) Leadership in energy and Environmental Design (LEED) new buildings and major renovations and existing buildings operation/maintenance

schemes, operated by the US Green Building Council and (2) Building Research Establishment Environmental Assessment Method (BREEAM), operated by BRE Global (UK).

The training course was designed to meet requirements of a diverse group of Georgian professionals from private entities, NGOs, government organizations and individual consultants. This is the first significant support in Georgia for building capacity in the green building sector. The trainees will form a core group of professionals to participate in a technical committee for supporting certification of buildings using LEED and BREEAM in Georgia.

Low Emission Development Strategy (LEDS) Process

The importance of LEDS was emphasized by the PM of Georgia in his speech at the highest level of the UN Climate Summit. Georgia took the responsibility to work hard together with the world's nations to reduce carbon emissions and contribute to a better global environment. The EC-LEDS Clean Energy Program works together with Georgia's Low Emission Development Strategy (LEDS) Committee, which is tasked with developing and implementing Georgia's LEDS, including developing policies and programs to support Georgia's commitment.

The LEDS Committee includes a Steering Committee led by the Minister of Environment, an Expert Working Group (EWG) and Sectorial Sub-Working Groups (SWGs) for various sectors. The EWG and SC met in May and September to learn about how MARKAL Georgia will be used to analyze options for reducing emissions from the energy, transport, industrial, waste, forestry, and agriculture sectors and increasing carbon sinks (sequestration).

The SWGs, as well as the Analytical Department of the Ministry of Energy, have gathered data from various sources, which was then analyzed to estimate the energy and non-energy Business as Usual (BAU) emissions scenarios through 2030.

In September 2014, Mr. DeLaquil, an invited expert from Decision Ware Group (DWG), held several meetings and trainings for the EWG and SWGs. He introduced the MARKAL Georgia model which has been developed with USAID support since 2010, and used extensively for energy planning by the Ministry of Energy. The model enables comparison of projected emissions and costs for different policies that reduce or sequester emissions, compared to the Business-As-Usual (BAU) projection.

Energy Efficiency Is A Smart Choice

What is **Energy Efficiency**? Does **Energy Efficiency** mean comfort and/or savings? What you don't know about energy efficient lighting? Do you think **Energy Efficiency** measures contribute to climate change mitigation?

This is a number of questions given to the citizens and visitors of Batumi in front of the huge energy efficient light bulbs in Batumi Boulevard.

On August 31st Batumi residents and tourists were challenged to participate in a street quiz and competition. The next day **energy efficiency** has become a subject of street art on the wall of Batumi Port in the entrance of Batumi.

Enhancing Capacity for Low Emission Development Strategies (EC-LEDS) Clean Energy Program held a two-day Awareness Campaign 'Energy Efficiency Is A Smart Choice' in Batumi. The purpose of the campaign was to raise awareness of the Georgian population on the benefits of sustainable energy consumption, energy cost savings through energy efficiency, and benefits of energy efficient technologies, including energy efficient lighting, home appliances, buildings, waste management, etc.



Overall Project Goals

During the five years of the program, The EC-LEDS Clean Energy Program is expected to reduce GHG emissions in Georgia by at least 236,372.9 metric tons of CO2 equivalent, facilitate up to \$14 million in private sector investments in clean energy, and lead to energy savings of up to 315 GWh (the equivalent of approximately \$22 million).



EC-LEDS Awareness Campaign was joined by USAID’s Project Waste Management Technologies in the Regions (WMTR).



Cross-Cutting Issues

The EC-LEDS Clean Energy Program will address concerns and opportunities with respect to youth, gender and people with disabilities (PWD) to incorporate them in each component of EC-LEDS.

The ECLEDS outreach team will produce the specific promotional/educational material for disabled children and adults. Deaf, dumb and blind people will receive materials via special forms and methods using sign language and Braille.



GIORGI ERMAKOV,
Mayor of Batumi:

‘Batumi has undertaken a commitment to reduce CO2 emissions by 20-21% by 2020. There are a series of measures to be implemented under the Covenant of Mayors by signatory cities directly connected to energy efficiency’

NINA KHATISKATSI,
Deputy Tbilisi Mayor:

‘Today’s meeting is an opportunity for the newly elected government of Tbilisi, as well as for regional municipalities, to understand and analyze the current situation regarding Sustainable Energy Action Plans.’



EC-LEDS Brought Together Georgian Municipalities

In mid-September Batumi Sheraton Hotel hosted ten Georgian municipalities to address the best solutions for climate change mitigation measures. The USAID Deputy Mission Director Thomas Morris greeted Deputy Minister of Energy; the Tbilisi Deputy Mayor and management of relevant municipal departments; Mayors of Batumi, Poti, Zugdidi, Kutaisi, Akhaltsikhe, and Rustavi; Telavi Vice-Mayor; Deputy Governor of Zestafoni; and representatives of the Georgian Department of Statistics, the Covenant of Mayors East Office, ECOFYS, and NALAG.

Sustainable Development Centre “Remissia”, co-leads the implementation of the Component One together with Winrock International, the prime holder of the EC-LEDS cooperative agreement with USAID. Remissia is assisting 10 different municipalities to develop and implement Sustainable Energy Action Plans (SEAPs) and is developing an analytical tool to be used for selecting mitigation options and programs.

In Year One, two new SEAPs (including Monitoring, Reporting and Verification (MRVs) Plans) were prepared, for Zugdidi and Kutaisi Municipalities, while the existing SEAP for the Batumi Municipality that was submitted to the Covenant of Mayors (CoM) has been updated (mainly the building and transport sectors).

The drafts of the Kutaisi and Zugdidi SEAPs have been sent to the relevant Municipalities by Winrock International for their final feedback and approval. The next step will be the submission of the SEAPs to the Covenant of Mayors office by the Municipalities.

In parallel to development of SEAP reports, Remissia elaborated the Municipal Emission Inventory, Projection and Mitigation Planning Tool (muni-EIPMP), an analytical tool supporting SEAP development.

In Year Two, EC-LEDS plans to submit 3 new SEAPs for Poti, Rustavi and Gori municipalities and to significantly update the Tbilisi SEAP that was developed in 2011, as well as developing a Monitoring Report for Tbilisi Municipality. EC-LEDS also plans to develop three Sustainable Energy Offices (SEOs) or Regional Sustainable Energy Centers to support implementation of SEAPs. Training will be provided to 10 municipalities on using the muni-EIPMP tool to develop emissions inventories, Business-As-Usual (BAU) projections, and analyzing and selecting mitigation options using the MUNI-EIPMP tool. EC-LEDS will also assist municipalities in elaborating project proposals. EC-LEDS will launch its grant program and plans to issue at least 6 grants for projects in SEAP municipalities and identify other sources of financing for