



World Experience for Georgia

ANNUAL REPORT

2016



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THINK TANK “WORLD EXPERIENCE FOR GEORGIA”

Annual Report
Energy and Sustainability
2016

Dear Colleagues,

Ten years have passed since a group of colleagues, working in energy sector of Georgia, decided to consolidate their efforts and establish a non-governmental, non-profit non-partisan organization – World Experience for Georgia (WEG) to support Georgia's progress towards western values, liberal market-based democracy and establishment of European standards, mainly in the field of Energy and Environment.

During these past ten years, through implementing many interesting and innovative projects, we tried to contribute to strengthening Georgia's energy security, economic and environmental sustainability; to support Georgian decision-makers at all levels, to make informed and qualified decisions, and to provide a platform for engaging stakeholders in the country's sound policy-making and steady progress on its path to Euro-Atlantic integration. We strived to embed sustainability agenda and long term vision in energy and environmental policies. Being non-partisan professionals and cooperate with all stakeholders was our guiding principles on this way.

In the coming years, we hope to grow even further. With more in-depth research, wider outreach, more publications and public discussions, deeper policy analysis, and stronger collaboration with local and international stakeholders. As a result, we hope to achieve increased impact on the policy debate in the reform process.

Here, we would like to share some of what we've done on that path in 2016.

Sincerely,

Murman Margvelashvili

Director



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WORLD EXPERIENCE FOR GEORGIA – SINCE 2006 AND TILL NOW

A think tank World Experience for Georgia (WEG) was established in 2006 and since then has been working to bring more evidence and rationale to Georgia's policymaking, to strengthen Georgia's energy security, environmental and economic sustainability as well as to support and encourage Georgian decision-makers at all levels for informed decisions, based on accurate analysis and wider knowledge.

We believe that preserving Georgia's independence and democratic liberal market-based society depends on a high level of energy security and an energy sector abiding by EU requirements, sustainable development principles, innovative and cutting-edge professional standards in policy making as well as on vibrant public-private dialogue, citizens engagement, good governance, and transparency.

Activities conducted by WEG include:

- » Energy security analyses, Energy Planning and strategy development including development of MARKAL Georgia model, guidelines for strategy development and training for the Ministry of Energy;
- » Workshop on Addressing Emerging Security Risks for Energy Flows over South Caucasus under NATO SPS program;
- » Monitoring of EU-Georgia Association Agreement;
- » Advocacy campaigns of Georgia's membership in Energy Community;
- » Legislation drafting for energy efficiency and renewable energy;
- » Resource assessments including Energy efficiency and renewable energy potential, shale gas, and waste biomass potentials for Georgia;
- » Energy audits and energy data surveys in residential buildings, com-

mercial and industrial enterprises;

- » Preparation of National Energy Efficiency Action Plan (NEEAP);
- » Multicountry study - Energy Union and Energy Security in EaP Countries;
- » Inventory of Energy Subsidies in Georgia with OECD support;
- » Educational activities including education needs assessments, trainings, certificate programs and masters' programs in energy and sustainability;
- » Climate related research including the Technology needs assessment, Greenhouse gas inventories and mitigation measures, preparation of biennial update report (BUR) to UNFCCC
- » Environmental and social impact assessments and action plans for major energy and road infrastructure projects.

We have issued statements, analyses, policy recommendations, guidelines and action plans on systemic issues in Georgia's energy sector, organized and participated in numerous conferences, workshops and seminars, TV and radio broadcasts, published reports, internet and newspaper articles on high priority issues.

In our activities we have cooperated with ministries, parliament, and energy sector enterprises, international and national organizations, firms and CSOs. We have been active in civil society activities locally and internationally, initiating and participated in exchange, monitoring and advocacy activities mainly related to EU and Euro-Atlantic integration. WEG is a member of EaP Civil Society Forum (SCF), National Platform of CSF, and Coalition for Euro-Atlantic Georgia.

WEG is a signatory of the Code of Conduct signed jointly by Georgian think-tanks and abides to principles of integrity transparency, independence, and nonpartisanship.

We regularly publish research articles and make presentations on important topics including Energy Security, Energy policy and Strategy, Energy Markets, Climate Change mitigation and adaptation, Renewable Energy - specifically sustainable use of biomass and modern biofuel, Energy Efficiency and etc. we have developed the MARKAL Georgia model to represent the Georgian energy system and to be used in long term planning by the Ministry of Energy. We also established Institute of Energy and Sustainable Development at Ilia State University to enhance education and academic research, to promote quality policy making.

WEG tries to disseminate relevant and useful information and is happy to provide consultations to interested stakeholders. We are delighted to know that our results are often used by students and academia of energy related disciplines as well as by sector participants.

Major directions of WEG's activities over the last year include energy security climate and biomass and advocacy in support of EU integration under EU-Georgia Association Agreement and accession to Energy Community. year 2016 has been signified in increased engagement with:

- » Political parties in pre-election period - to raise standard of political debates and promote fact-based dis-

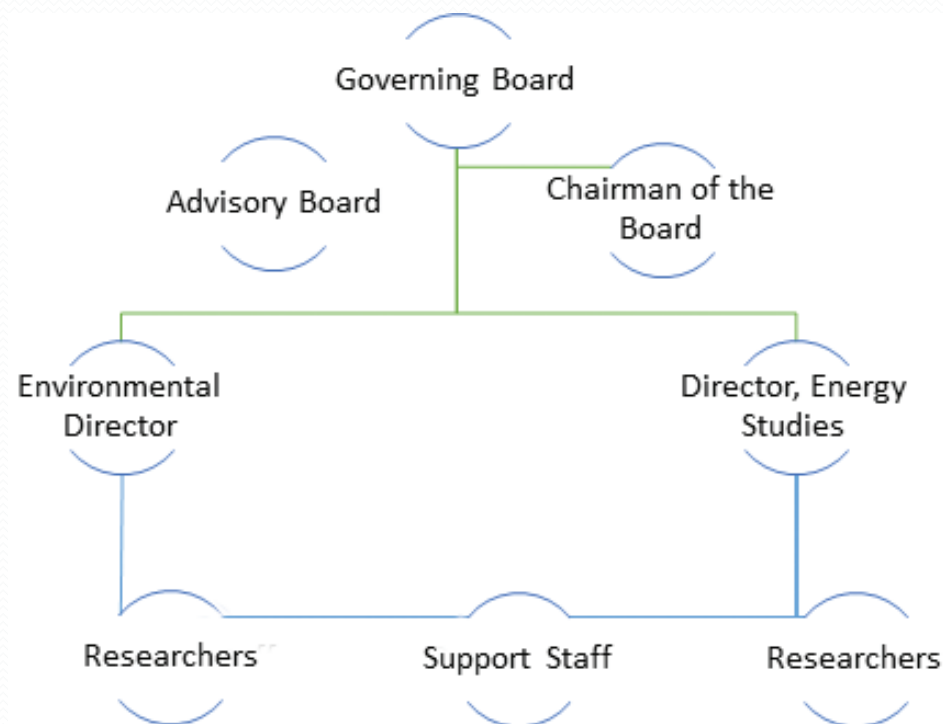
cussions instead of populist promises;

- » Georgian and European public bodies - to advocate for European Integration and Energy Community membership;
- » Ministries of Energy and Environmental and Natural Resources' Protection - to address the energy and environmental crisis related to forest degradation and wood fuel shortage, through development of upgraded biofuels;
- » University and academic circles - to develop a masters' program in Energy and mineral resources management and sustainable development, as well as certified course on Climate change as well as energy related research;
- » Media and General public –with the goal of increasing the awareness and support for systemic improvements in line with Georgia's EnC membership.

The main directions of our future work are:

- » Support Georgia's Energy Sector reforms under Energy Community membership framework;
- » Increase Georgia's and regional energy security through comprehensive systemic visions and analyses;
- » Enhance WEGs professional capacity and coverage of topics in energy and sustainability.

Organizational structure



WEG IN 2016 – MAIN PROJECTS



Raising the Quality of Policy Debate in Pre-Election Period in Georgia

FUNDED BY OSGF

The main goal of this project is to raise the standards of discourse on energy policies among political parties and public, thus create the safeguards against compromising the interests of Georgia's energy security, sustainable development and European integration in pre-election period. This has been done through enhanced public debate on key issues, monitoring the political party programs, benchmarking against best practices and long term country interests, commenting and informing the public on critical aspects of energy policy.



National Endowment for Democracy
Supporting freedom around the world

Mapping the route for EaP countries and the EU cooperation within the Energy Union

FUNDED BY European Commission and NED

The project is a continuation of the previous project "Energy Union and Energy Security in EaP Countries" conducted under the aegis of EaP Civil Society Forum on granting project. The project has been implemented in all EaP countries.

Project goal: to map future relations between the Eastern Partnership countries and the EU within the framework of Energy Union, given bilateral interests and working programs.

HEINRICH BÖLL STIFTUNG SOUTH CAUCASUS

Capacity Building in the Field of Climate Change

FUNDED BY Heinrich Böll Stiftung

The main goal of the project “Capacity Building in the Field of Climate Change” is to raise awareness and capacity of civil society organizations and public entities about climate and sustainability issues, processes and mechanisms; to facilitate their engagement and informed participation in policy making and public discourse, based on facts and research, leading to effective participation of Georgia in Climate Change combatting process. Certified course on climate change has been introduced under the project.



Energy and Water Consumption End-Use Survey In Commercial and Industrial Sectors

FUNDED BY USAID G4G project

The main objective of the Project was to carry out a survey of energy and water end-use data for the commercial and industrial sectors in Georgia. The survey identified the amounts of energy and water consumed, energy and water sources, and the technologies used in energy and water consumption.

Data collected can be processed and summarized to enable the improvement of data in existing MARKAL and other potential planning models.



Empowered lives.
Resilient nations.



Preparation of National Circumstances and Mitigation and Constraints & Gaps Chapters for Biannual Update Report to the UNFCCC

FUNDED BY UNDP, GEF

Under the UNDP project WEG prepared the chapters of First Biennial Updated Report – national circumstances and the Mitigation and Constraints & Gaps. Activities included:

- » Updating information on Georgia’s national conditions, political structure as well as reviews different sectors like: economy, energy, industry, transport, agriculture, waste management etc;
- » Critical analysis of TNC – identification of shortcomings and potential for improvement of methodologies, assumptions, coverage of sectors and mitigation measures;
- » Assessment of mitigation potential of the country, considering technical, environmental and economic aspects;
- » Identify concrete mitigation actions and policies to ensure the greenhouse gas (GHG) emission limitation/reduction etc.



Partnership for Environment and Growth



OECD UNICE UNEP

This project is funded by the EU

Inventory of energy subsidies in the EU’s Eastern Partnership Countries - Georgia

FUNDED BY OECD

The main goal of the project was to help raise awareness of policy makers in the EaP countries about existing energy subsidies and their potential economic, social and environmental impacts. Specifically the project intended to compile information and fill data gaps with regard to energy subsidies in the EaP countries and ensure more transparency in this regard.



European Bank
for Reconstruction and Development

Assistance in Drafting the First National Energy Efficiency Action Plan

FUNDED BY EBRD

WEG in collaboration with ECO Ltd assisted Georgian Government in drafting the First National Energy Efficiency Action Plan (NEEAP). The goal of the project was to assist the Ministry of Energy with the preparation, drafting, adoption and publishing of the country's first NEEAP. NEEAP identifies significant EE improvement measures and expected energy savings in all sectors taking into account of country's potential and national EE targets, with a view to achieving high EE performance of the economy. Specific sectors examined include: Industry, Transport, Buildings, public sector, cooling & heating and generation, transmission, distribution, and supply of energy.



European Bank
for Reconstruction and Development

Market Assessment of the Residential Sector

FUNDED BY EBRD

WEG in cooperation with VTT Technical Research Centre of Finland and the Ministry of Economy and Sustainable Development of Georgia conducted a project – Market Assessment of the Residential Sector. The purpose of this project was in-depth analyze of the residential building sector in Georgia, policy, legislative and institutional set-up, including technical and economic considerations. The policy solutions addressing the existing gaps need to be developed based on overview of the housing policy, legal framework for housing associations, management and maintenance obligations of multi-story apartment buildings, relevant institutions and their capacity.

PUBLICATIONS

Eliminating the forest energy crisis by sustainable use of biomass - The extensive exploitation of forest resources for heating, over the last 25 years in Georgia, has brought about acute environmental, socioeconomic and energy crisis where the forest degradation results in environmental and fuel shortage in rural Georgia. Eliminating the firewood deficit is a major problem that needs to be solved in conjunction with improved forest and environmental management, as well as relevant energy, social, and regional development policies. The solution requires also a new approaches to energy efficiency measures, waste-management, rural-agricultural development as well as business support mechanisms.

The problem needs to be alleviated by working in the following two main directions:

- » Reducing firewood demand by increased efficiency, which depends on rational use of firewood, introduction of more efficient stoves, better heat-insulation of buildings and raising awareness of society.
- » Replacing and supplementing firewood with alternative heating means, such as natural gas, and solid upgraded bio-fuels-pellets, briquettes or chips, etc.

Georgian Energy Sector in View of EU Energy Union Goals - comprehensive review of Georgian energy sector in View of EU Energy Union Goals. Mapping future relations between the Eastern Partnership countries and the EU within the framework of Energy Union, given bilateral interests and working programs.

Georgia's Energy Sector - Are We Prepared to Fulfil the AA Obligations? - The EU-Georgia Association Agreement (AA) signed on 27 June 2014 envisages the implementation of EU energy directives and regulations (energy acquis) by Georgia. The specific timeframes and conditions for this implementation are defined under Georgia's accession Protocol to the Energy Community (EnC).

Until recently, the Government's priority was the development of HPPs and other infrastructure in Georgia through addressing short term solutions with less regard to economic realities and European standards. Within the existing controversial legal framework, this process has resulted in excessive state commitments towards investors based on unwarranted concessions to potential developers and non-competitive agreements creating barriers to reforms. This was accompanied by further deterioration of substandard energy legislation largely failed to attract qualified strategic investors. This environment has allegedly fostered collusion and created interest groups concerned with preserving the status-quo and deferring the reforms.

A monitoring mechanism with the participation of all qualified stakeholders should be established to assure the conformity of energy policies with good industry practices, the EU association goals and the country's long-term strategic interests.

Ensuring the Transparency and Efficiency of Energy Subsidies in Georgia: an Agenda for Reforms - Ensuring the transparency of subsidies is a key requirement of Article 206 of the EU-Georgia Association Agreement. Subsidized energy tariffs (electricity and gas) lead to the overconsumption of energy goods and the underdevelopment of energy efficient technologies. In Georgia, electricity and gas are heavily subsidized. As a result, the country consumes 2-3 times more energy per capita in comparison with EU countries and its energy import dependence is increasing. Georgia's energy subsidies need to be reassessed in order to promote efficiency.

The Ministry of Energy of Georgia defines the subsidy schemes in the energy sector, though no reporting is provided on their amounts and efficiency. Due to the lack of transparency, it is difficult for non-governmental actors to identify and analyze the country's energy subsidy schemes.

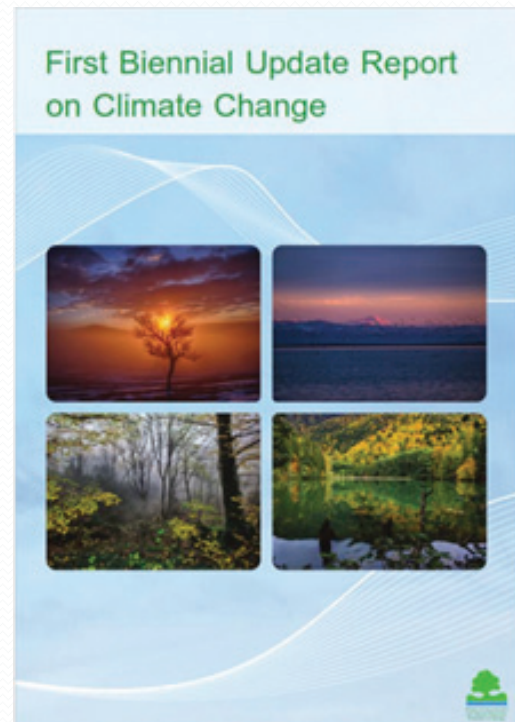
Energy security in the South Caucasus: views from the region - The joint study portrays multiple stakeholders – industrial and household consumers, international and national energy companies, governments, citizens and interest groups – in the energy sector of each South Caucasus country and presents their different perceptions of energy security, instead of focusing on definitions and interpretations of state actors.

The document overviews the situation in Armenia, Azerbaijan and Georgia and concludes, that the South Caucasus energy security discourse should not be considered a monopoly of the states. Consumers and citizens have their distinct views and increasingly voice them on what constitutes energy security and how threats should be mitigated. However, governments and energy companies (often state-owned) are at the center of energy policies. Citizens and consumers still play a minor role in energy policies.

Climate Change

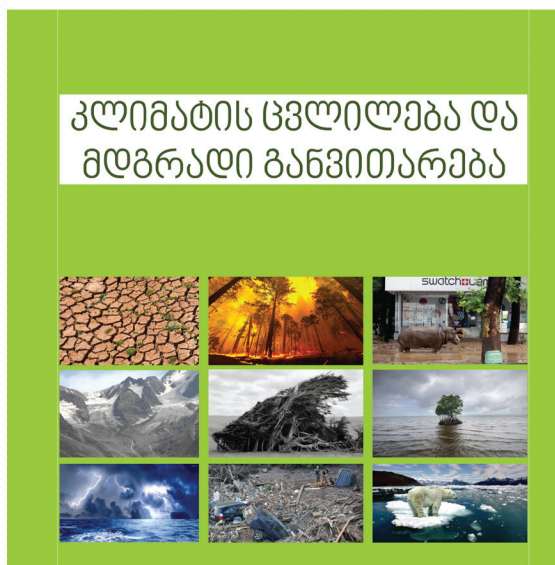
BUR - National Circumstances, mitigation and Constraints and Gaps - Climate change (CC) is becoming the major challenge for the mankind limiting its growth and threatening the wellbeing of future generations. International cooperation in this field becomes more and more important for addressing the challenge. The 2015 Conference of Parties to UNFCCC in Paris brought together the new directions and principles leading to new enhanced obligations of participant countries. The parties submitted their Intended Nationally Defined Contributions (INDC).

WEG has been actively involved in Climate Change policy development and reporting to the UNFCCC. We participated in preparation and provided an important input to the First Biennial Updated Report (BUR) to the UNFCCC and GHG National Inventory report of Georgia (2012-2013).



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2016

Climate Change and Sustainable Development - Another input to climate awareness raising was a Book on Climate Change and Sustainable Development published in 2016. Here we collected lecture materials from Certified Course on Climate Change developed and delivered by lead professionals working on climate change policies in Georgia and internationally. The course was developed under Heinrich Boll Stiftung Project with the aim of raising the awareness and capacity of civil society organizations and public servants in climate and sustainability issues, processes and mechanisms; to facilitate their engagement and informed participation in policy making and public discourse, leading to Georgia's effective engagement in combatting the Climate Change.

MAIN EVENTS

Addressing Emerging Security Risks for Energy Flows over South Caucasus

NATO Advanced Research Workshop “Addressing Emerging Security Risks for Energy Flows over South Caucasus” took place on 5-6 of December 2016 in Tbilisi, Georgia.

The workshop was organized by the General Jonas Žemaitis Military Academy of the Republic of Lithuania and Ilia State University of the Republic of Georgia with the support of NATO Science for Peace and Security (SPS) program. Valuable assistance was provided by the Romanian Embassy in Tbilisi as NATO POC and the World Experience for Georgia. The objective was to provide a thorough review of



the main emerging security risks to critical energy infrastructure (CEI) and address the issues set out in NATO Warsaw Summit Communiqué.

Conference on Georgia’s Energy Sector Achievements, Challenges and Outlook



On August 5, 2016 WEG organized a conference Georgia’s Energy Sector Achievements, Challenges and Outlook in Courtyard Marriott Hotel, Tbilisi. An overall goal of the conference was to review the main challenges of Georgia’s energy sector and to raise the quality of energy policy debate in pre-election period; to assure more robust policies and effective parlia-

mentary and society control in the sector. Representatives of ministries, civil society actors, donors, sector specialists, political parties and diplomatic corps participated in the conference which was marked by sincere dialogue and substantive in-depth coverage of various problematic issues in Georgia’s energy sector.



Climate Course on Climate Change-Opening Event



On May 13, 2016 WEG organized a Climate Change Course presentation and opening event at Ilia State University. International climate change expert, Dr. Hans JH. Verolme, a member of Climate Advisers Network, made a presentation on

Climate Change Policy and Research after Paris COP 21.

The event was highly interactive, attended by representatives from public entities, CSOs, Academia and students. It gave a good start to preparation of the Climate Change certification course in Ilia State University.



ILIAUNI Certificate awards Climate Change and Sustainable Development Course Participants



On July 29, 2016 and December 22, 2016 certificate award ceremonies for Climate Change and Sustainable Development Course participants were held at Ilia State University.

Course participants were selected from public entities, non-governmental organi-

zations, students and media, based on their interest and engagement with in climate change policies, mitigation and adaptation issues. They made the final presentations on climate issues in their relevant professional fields of interest and were awarded the certificates of ILIA State University.



POLICY IMPACT

Georgia's Accession to Energy Community

Since 2014, WEG has been actively involved in monitoring and advocating Georgia's Accession to the Energy Community (EnC). We strongly believe, that EnC membership and related reforms in energy sector conducted with EU assistance, is the best opportunity to reduce the security risks from external energy dependence and internal governance and legislation problems in Georgia.

We have organized a number of public seminars, prepared policy documents and statements, used all available opportunities to raise awareness of politicians and general public about EnC membership. A letter in support of EnC membership prepared by WEG was signed by 26 Non-Governmental organization and sent to

the Prime Minister of Georgia on January 29, 2106. It got a wide media coverage and consolidated the public support to the process. The campaign significantly raised government's attention to the issue and triggered the completion of negotiations.

On October 14, 2016 Energy Community Ministerial Council unanimously approved Georgia's accession Protocol to the Energy Community and deputy minister of Energy of Georgia, Ilia Eloshvili and Minister of Foreign Trade and Economic Relations of Bosnia and Herzegovina Mirko Sarovic signed the Protocol of Accession.

Ratification of the Accession Protocol by Georgian Parliament and commencement of in-depth reforms are our next targets for advocacy.

Advocating for Sustainable Use of Biomass

Extensive use of forests for firewood winter heating has been taking place for the last 25 years in Georgia. It has led to depletion of forest reserves and resulted in acute environmental and social problems. Considering the fact that firewood is the second most important energy resource in the country, WEG tries to advocate for policies for sustainable use of biomass resources in line with European standards and best practices.

A Policy Paper on eliminating the forest energy crisis by sustainable use of biomass was prepared together with Caucasus Environmental NGO Network (CENN) and presented to high level government offi-

cials of Ministry of Environment and Natural Resource Protection and Ministry of Energy and Ministry of Agriculture.

As a result of our joint advocacy efforts a working process has been established in the ministries, where the policy options for forestry waste management and small business development in support of alternative solutions to fuel and environmental problem are being considered. In particular, it is planned to develop new forestry code, reform the forestry Agency, and develop the policies for energy efficiency and use of waste biomass to address the heating needs in rural Georgia.

Identifying and analyzing the key systemic challenges in Georgia's Energy Sector

In 2016 WEG continued its advocacy efforts in support of Energy Sector reform. Namely we assessed the key systemic

problems in Georgia's energy sector governance, legislation and institutional arrangement. The comparison was made to

similar assessment of 2013 by a group of experts working in the sector. This comparison was made to bring to stakeholders' attention insufficient progress in re-

forming the energy sector needed for more energy security and investor confidence to boost the sector's and country's development.

INTERNATIONAL EVENTS

2016 was busy with international visits, conferences and CSO related activities. Some of the main events are highlighted here:

8th Annual Assembly of the Eastern Partnership Civil Society Forum (EaP CSF)

On 28-29 November Brussels hosted the EaP CSF Annual Assembly. This year's Assembly included high-level panels which focused on the role of the Eastern Neighborhood in the EU policies as well as on the status quo of the Eastern Partnership initiative prior to the next EaP Summit. Throughout parallel panels the participants debated on topics related to the EaP CSF priorities such as energy security, youth development and transparency of EU funding in the region. WEG's Director Murman Margvelashvili moderated the panel - The EaP countries within the EU energy framework: strengthening coopera-



tion in face of common challenges. Where he led the discussion and exchanged views between the representatives of EC, Energy Community and CSOs from EaP countries.

Advocacy visits to Berlin, Brussels and Hague of the AA implementation monitoring team

On September 26-28 the EU Integration Program of Open Society Georgia Foundation organized advocacy visit to Berlin in cooperation with the Heinrich Boll Foundation (HBF) South Caucasus office and HBF Berlin headquarter, Germany bringing representatives of the OSGF founded Association Agreement implementation monitoring group. The goal of the visit was to reach out to the German policy-makers and inform them about progress and failures that Georgian government has on its way to AA implementation; also to call for the German decision makers to accelerate the process of adopting visa liberalization decision for Georgia.

Mr. Murman Margvelashvili (Executive



Director of "World Experience for Georgia" (WEG), as a member of AA monitoring team participated in the trip. During the advocacy visit meetings were organized with the members of German Bundestag, representatives of German Ministry of Foreign Affairs and Federal Chancel-

lor's Office, media representatives, as well as a public event. Copies of policy briefs prepared by the AA monitoring team were broadly distributed.

EU Georgia AA monitoring group also visited Brussels and Hague to discuss with EU and Dutch officials and think-tanks independence of state institutions and plurality, visa liberalization, energy security etc. The main message was the Implementation of political reforms which is not achievable without ensuring/elaborating the principles of economic sustainability. Hence, EU should encourage the Georgian government enshrine social issues in its political agenda. More than 15 meetings were conducted with representatives Eu-



ropean External Action Service, European parliament, Dutch foreign ministry, NATO headquarters, etc.

Participation in Energy Community Civil Society Day in Vienna



WEG participated in the 1st Energy Community Civil Society day in June 21, 2016. By holding an inaugural Civil Society Open Day, Energy Community "opened its

doors" to civil society organizations in order to benefit from CSOs' experience and competence.

The meeting emphasized importance of energy efficiency and its major impact on climate change. The main emphasis was made on new global climate agreement – need for matching climate legislation in the Energy Community, the need for revision of the Energy Strategies in the contracting parties, ambitious energy efficiency targets and further utilization of Sustainable renewables; the limited scope of the environmental acquis within the treaty and etc.

International Cooperation - Horizon 2020

WEG continues to host Horizon 2020 National Contact Point (NCP) for Secure, Clean and Efficient Energy. Natalia Shatirishvili, WEG's team member, is also a member of NCP network for Secure, Clean and Efficient Energy "C-Energy 2020".

Horizon 2020 is EU Research and Innovation program with nearly 80 billion euro of funding available over 7 years (2014-2020). In 2016 Georgia signed an association agreement with Horizon 2020, which gives the possibility to national research



organizations to participate in the program with the same right as EU member states. The mission of NCP is to support and assist Georgian organizations in all aspects of participation in Horizon 2020.

WEG provides guidance and assistance

to national researchers and research organizations, participates in international twinning schemes and brokerage events to exchange experience with EU NCP organizations, it participates and organizes info days, workshops.

Expert Group Meeting for Recommendations on EU-EaP Science, Technology & Innovation Cooperation in 'Energy'

The Expert Group Meeting on 'Energy' targeting the Eastern Partnership region took place in Athens, Greece, on 26 April 2016. During the meeting, the evaluation of the project's activities on Energy were briefly presented. The event involved energy experts and representatives of the research community (high representatives from institutes/research centres/universities) from the EU and the Eastern Partnership countries. WEG's Murman margvelashvili participated in the event as an energy expert from Georgia and contributed to re-



thinking the tactics for organization of Horizon 2020 activities and events in future.

Coalition for Euro-Atlantic Georgia

In December 2016, WEG became a member of the Coalition for Euro-Atlantic Georgia launched by 22 nongovernmental organizations on September 5, 2016.

The members of coalition declare that:

- » Peaceful development of free and independent Georgia will be best achieved through its integration into NATO and the European Union;
- » Their goal is to contribute towards building a free, independent state where human rights and liberties are duly observed and state institutions efficiently function;

- » The Coalition members will concert their best efforts and closely cooperate with each other to expedite Georgia's full integration into the Euro-Atlantic institutions.



WEG AND ILIA STATE UNIVERSITY



In 2013 WEG signed a memorandum of understanding with Ilia State University with the aim to cooperation and establishing of modern educational and research programs at Ilia State University focused on energy and sustainability, to support Sustainable Energy Development and Innovation in Georgia.

Several important steps have been taken in this direction:

Institute of Energy and Sustainable Development has been established in Ilia State University to conduct the research and projects in energy and sustainability. The institute has participated in energy audits, waste biomass assessment, BUR preparation and other activities in the field of sustainable energy.

A New Masters' Program

Master degree program - Energy and Mineral Resources Management and Sustainable Development has been developed jointly by WEG and Ilia University. The program consists of two modules and provides the qualification of Master in Energy Management or Master in Mining and Geology Management. The goal of the program is to prepare the professionals capable of embedding sustainability agenda in developing energy and mineral resources policies and projects.

The course modules are designed to give

students technical knowledge and management skills for successful carrier in sustainable management of energy and/or mineral resources.

Teaching

Besides the Master's Program, four 6 ECTS Credit courses are led by WEG at Ilia State University: Energy Systems, Sustainability and systems, Energy policy and European energy and transport policy.

Certificate course in Climate Change and Sustainable Development

Under the Heinrich Böll Stiftung Funded project, we developed Certified Course on Climate Change at Ilia State University. The two groups of students have graduated the course consisting of public servants, journalists, CSO and private company representatives.

Climate change (CC) is becoming a major challenge for the mankind limiting its growth and threatening the wellbeing of future generations. International cooperation in this field becomes more and more important.

Therefore, we decided to develop and deliver the training course of high standard on climate and sustainability in Ilia State University (ILIAUNI). The project brought together the representatives of civil soci-



ety, public entities, journalists and students together with the lead CC experts in Georgia, to provide them with current knowledge in climate change mitigation and adaptation to enable for informed policy analysis, substantive dialogue and purpose oriented practical research in Climate and sustainability issues.

In 2016 the course was conducted twice and about 35 participants graduated successfully. The topics include:

1. The Scientific Basis of Climate Change
2. Climate change effects
3. Climate change mitigation and ad-

aptation

4. Climate change mitigation measures in Georgia
5. Global efforts in combatting climate change
6. National Reporting on Climate Change
7. Climate change challenges in Georgia and existing policy
8. Country's needs and international Support

The course is planned to be continued in 2017.

PARTNERS AND DONORS

WEG maintains good working relations and partnership with:

- | | |
|---|--|
| » Ministry of Energy of Georgia | » GFSIS |
| » Ministry of Environment and Natural Resources Protection of Georgia | » Green Alternative |
| » Ilia State University | » Deloitte Overseas G4G project |
| » CRRC Georgia | » VTT |
| » CENN | » General Jonas Žemaitis Military Academy of Lithuania |
| » Energy Efficiency Center Georgia | » Other think-tanks and consulting organizations in Georgia and abroad |
| » ECO Ltd | » NGOs united in EaP Civil Society Forum and its National Platform |
| » International Institute for Sustainable Development | |

Our main Donors and clients are:

- | | |
|----------------------------|-------------------------------------|
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| » OECD | » Heinrich Boell Foundation |
| » European Commission | » And others. |
| » Konrad Adenauer Stiftung | |



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