

Lista Experților/ Echipa SINERGETIKA

Nume / Domeniu de expertiză	Descriere
<p>Nicolae Zaharia</p> <p>Lider de echipă/ Expert Economic/ Expert Financiar</p>	<ul style="list-style-type: none"> ▪ Expert economic, financiar si în gestionarea proiectelor cu o experiență de peste 10 ani, ▪ Experiență vastă în gestionarea proiectelor de finanțare a energiei pentru UE, USAID și PNUD, cu o valoare totală de peste 22 de milioane EUR; ▪ Experiență extinsă în proiectarea și dezvoltarea schemelor și mecanismelor financiare pentru a sprijini eficiența energetică și îmbunătățirea resurselor naturale care vizează sectorul public, IMM-uri, sectorul industrial, sectorul rezidențial (clădiri) și sectorul agricol; ▪ Dezvoltarea unui mecanism de finanțare a eficienței energetice în Armenia; ▪ Dezvoltarea pieței companiilor de servicii energetice (ESCO) din Belarus; ▪ Dezvoltarea unui Mecanism al Fondului de Garantare a Împrumuturilor pentru susținerea îmbunătățirii eficienței energetice în Moldova; ▪ Suport în dezvoltarea a numeroase politici și reglementări legate de mediu și energie, inclusiv dezvoltarea PNAEE a Moldovei cât și sprijin pentru Ministerul Economiei și Infrastructurii în elaborarea unei foi de parcurs pentru implementarea Programului de renovare a clădirilor guvernului central. ▪ Fluent în română; engleză; rusă
<p>Igor Zanoaga</p> <p>Inginer/ Expert energetic</p>	<ul style="list-style-type: none"> ▪ Expert în Energetică / Inginer cu peste 20 de ani de experiență în eficiența energetică și utilizării resurselor în sectorul industrial, comercial, rezidențial (clădiri) și agricol. ▪ Experiență vastă în elaborarea de planuri de investiții și studii de fezabilitate pentru îmbunătățirea eficienței energetice și sustenabilitatea mediului; efectuarea de audituri energetice și evaluări ale performanței energetice; efectuarea de evaluări ale impactului asupra mediului; și elaborarea proiectărilor tehnice și a planurilor de monitorizare a mediului pentru proiecte energetice la scară largă în Moldova. ▪ Cunoaștere profundă a reglementărilor privind eficiența energetică și a resurselor și a directivelor UE corespunzătoare, inclusiv experiență în dezvoltarea legislației secundare privind eficiența energetică și SER, cât și elaborarea legislației privind auditul energetic secundar în Moldova. ▪ Experiență în elaborarea de strategii, metodologii și reglementări de mediu, inclusiv elaborarea planurilor de acțiune privind eficiența energetică locală (PLAEE). ▪ Fluent în română; engleză; rusă

<p>Octavian Lungu</p> <p>Expert Juridic Expert Energetic/ Expert în Reglementare/</p>	<ul style="list-style-type: none">▪ Expert în gestionarea proiectelor în sectorul energetic, financiar și transport, cu peste 25 de ani de experiență atât în sectorul public, cât și în cel privat;▪ Participarea la elaborarea legilor, reglementărilor și metodologiilor tarifare în domeniul energiei;▪ Participarea și gestionarea proiectelor internaționale de infrastructură susținute de BM, FMI, BERD, UE și PNUD;▪ Experiență de nivel înalt în reglementarea sectoarelor de energie și transport;▪ Experiență continuă în oferirea de expertiză națională pentru proiecte de asistență tehnică în eficiență energetică / surse regenerabile și zone de transport / mobilitate urbană;▪ Fluent în română, rusă, engleză.
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Curriculum Vitae (CV)

Nicolae Zaharia

Position Title and No.	Team Lead/ Economic Expert
Name of Expert:	Nicolae Zaharia
Date of Birth:	June 05, 1979
Country of Citizenship	Double citizenship: Republic of Moldova, Romania
Residence	Republic of Moldova

Education:

Name of Institution	Dates Attended	Degree / diploma obtained
School of Political and Administrative Studies Bucharest, Romania	September 2001 - May 2003	Master's degree (equivalent)
Balti State University "Alecu Russo", Republic of Moldova	September 1997 - May 2001	Bachelor's degree

Language skills: (Mark 1 to 5 for competence, 5 being the highest)

Language	Reading	Speaking	Writing
Romanian	5	5	5
English	5	5	5
Russian	5	5	5
French	4	3	2

Membership of professional bodies: N/A

Other relevant skills (e.g. computer literacy, etc.): Ms Office (Word, Excel, PowerPoint, Outlook, Access, Publisher, etc.)

Key qualifications (relevant to the programme):

Mr. Nicolae Zaharia is a senior energy finance project manager with more than 10 years of experience. He has managed numerous energy finance projects for the EU, USAID and UNDP, with a total value of over 22 million EUR. Mr. Zaharia has extensive experience designing and developing financial schemes and mechanisms to support improved energy and natural resource efficiency at municipal level as well as country wide, targeting the public sector, SMEs, corporates & industry, the residential (building) sector and the agriculture sector. His work has included development of an energy efficiency fund in Armenia designed to finance residential building refurbishment in the city of Yerevan; development of the energy service companies (ESCO) market in Belarus, which would target the energy refurbishment of public as well as residential buildings in Minsk and other municipalities; and development of a Loan Guarantee Fund Mechanism to support energy efficiency improvements in Moldova, specifically in the municipality of Chisinau. He has also supported the development of numerous energy and environment related policies and regulations, including development of Moldova's NEEAP and supporting the Ministry of Economy and Infrastructure develop a road map for the implementation of the Program for Renovation of Central Government Buildings.

Employment record relevant to the assignment (selected experience only, due to page limitations):

Period	Employing organization and your title/position. Contact information for reference	Country	Position title	Summary of activities performed relevant to the Assignment
October 2019 – February 2020	<p>NIRAS Finland Oy (for EU Delegation)</p> <p>Reference Person: Ms. Wende Luinga Heinoja wende.luingaheinoja@niras.fi</p>	Republic of Moldova	Local Consultant in Support to the Modernization of the Energy Sector in the Republic of Moldova (STARS)	<p>Non-key expert. Provided support to the Ministry of Economy and Infrastructure on the for completion of a number of regulations, assessments and pre-assessments, including:</p> <ul style="list-style-type: none"> • Regulation on efficiency requirements for Hot water boilers • Strategic Environment Pre-Assessment or Assessment of National Energy Efficiency Action Plan 2019-2021 • Regulatory Impact Assessment (RIA) on Regulation on Energy Audits and Auditors • Regulatory Impact Assessment (RIA) of Regulation on energy auditing of big enterprises/companies
June 2019 – September 2019	<p>United Nations Development Program (UNDP) Armenia Petros Adamyan Street, 14 Yerevan 0010, Armenia</p> <p><i>International consultant on creation of municipal/public EE Fund or ESCO</i></p> <p>Reference Person: Mr. Vahram Jalalyan, vahram.jalalyan@undp.org</p>	Armenia	International consultant on municipal energy efficiency financing	<p>Responsible for providing managerial and operational support for the implementation of component 3: “Financial de-risking” and component 4: “Financial incentives”.</p> <p><u>Activities performed by the consultant:</u></p> <ul style="list-style-type: none"> • Produce a study on applicability of international experience and best practices of municipal/public energy efficiency funds/ESCOs in Armenian context; • Provide suggestions on establishing financially viable and sustainable municipal/public energy efficiency fund or ESCO applicable in context of Armenia; • Provide proposal on a financial incentive scheme with appropriate legal and institutional model for its implementation; • Prepare 3 options of establishing a municipal/public energy efficiency funds or ESCOs to be presented to municipalities and government of Armenia including essential policy and legal regulations; • Aggregate the information summary and lessons learned in the final report.

Period	Employing organization and your title/position. Contact information for reference	Country	Position title	Summary of activities performed relevant to the Assignment
April 2019 – December 2020	<p>Nordic Environment Finance Corporation (NEFCO) Helsinki, Finland</p> <p>Reference Person: Ms. Aliona Fomenco, aliona.fomenco@nefco.fi</p>	Republic of Moldova	<p>Consultant on municipal energy efficiency financing</p> <p>Consulting Services: Municipal Project Preparation & Implementation Support within Energy Saving Credit Facility (ESC) for NEFCO</p>	<ul style="list-style-type: none"> • Promote energy savings financing programs launched by NEFCO in Moldova; • Identify energy savings investment projects in municipalities of Moldova; • Support in formalization of investment packages, including development of business plans and energy audits; • Monitoring and supervision of the project implementation; • Reporting and due diligence of all activities;
November 2018 – December 2019	<p>Energy Efficiency Agency 1, Alecu Russo street, 10th floor Chisinau, Republic of Moldova</p> <p>Reference Person: Mr. Manole Balan, manole.balan@aee.md</p>	Republic of Moldova	<p>Local consultant</p> <p>Consulting Services for the Elaboration of the National Energy Efficiency Action Plan (NEEAP) for 2019-2021 for Republic of Moldova</p>	<p>Provided key expertise in developing the NEEAP. Elaboration of a new plan as well as its preliminary presentation to the stakeholders, gathering of opinions and suggestions, their incorporation and final presentation of the draft. Also responsible for the support to the Ministry of Economy and Infrastructure in promoting it for final approval.</p> <p><u>Activities performed by the consultant:</u></p> <ul style="list-style-type: none"> • Development of the plan for the elaboration of the NEEAP 2019-2021. • Development of the Draft Assessment Report on the implementation of the NEEAP 2016-2018. • Development of the proposed objectives and new EE measures for the NEEAP 2019-2021. • Development of the Informative Note on the draft Government Decision approving the NEEAP 2019-2021. • Development of the Draft Government Decision on the approval of the NEEAP 2019-2021. • Development of the Summary of Objections and Proposals of the Government Decision on the approval of the NEEAP 2019-2021, as a follow up of the public consultations. • Presentation and promotion of the final NEEAP draft 2019-2021 & support the Ministry of Economy and Infrastructure in getting it approved.

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October 2018 – March 2018	<p>Energy Community Secretariat Am Hof 4, Level 5, 1010 Vienna, AUSTRIA</p> <p>Reference Person: Ms. Violeta Kogalniceanu, violeta.kogalniceanu@energy-community.org</p>	Republic of Moldova	Energy Efficiency Expert to develop a Study on Energy Efficiency Potential in Moldova	<p>Identify, collect, process and report relevant information from existing literature and other sources to compile country-specific datasets of energy efficiency potential in the buildings (public and residential), industry, including power generation, and transport.</p> <p>In addition to desk research tools, conducted face to face interviews with all relevant stakeholders, including but not limited to Ministry of Economy and Infrastructure, Energy Efficiency Agency, National Regulator (ANRE), to clarify all issues of concern.</p>
October 2018 – February 2019	<p>NIRAS Finland Oy (for EU Delegation)</p> <p>Reference Person: Ms. Saana Ahonen saana.ahonen@niras.fi</p>	Republic of Moldova	Local Consultant in Support to the Modernization of the Energy Sector in the Republic of Moldova (STARS)	<p>Non-key expert. Provided support to the Ministry of Economy and Infrastructure on the elaboration of Government Decision for implementation of the Program for Renovation of Central Government Buildings (Article 5 of the Energy Efficiency Directive):</p> <ul style="list-style-type: none"> Reviewed the draft Program ensuring that it complies with the rules for development and uniform requirements to policy documents in Moldova; Drafted the decision of the Government and related legal documents for the promotion of the program; Provision of assistance to the Energy Department of Ministry of Economy and Infrastructure in the promotion process of the program in the Government.
September 2018 – February 2019	<p>The Energy Charter Secretariat 46, Boulevard de la Woluwe 1200 Brussels, Belgium</p> <p>Reference Person: Ms. Bilyana Chobanova, bilyana.chobanova@encharter.org</p>	Republic of Belarus	International ESCO expert	<p>EU4Energy BY1.2/2018 Support to development of legislative and regulatory basis for providing energy efficiency services. The objective of the activity was to support the implementation of the following EETF recommendations:</p> <ul style="list-style-type: none"> Review of the current legislative framework and the actual state of play of providing energy efficiency services and the operation of energy service companies (ESCO); Identification of main barriers and obstacles to the successful implementation of energy efficiency services in Belarus; Provide recommendations for necessary changes of the existing legislative framework with the aim to

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				<p>remove barriers and promote ESCO business in Belarus based on best international practices.</p> <ul style="list-style-type: none"> • Develop draft templates of EPCs for the private and public sector; • Develop EPC public procurement methodology; • Develop guidelines for the development of terms of reference for EPC services (technical requirements, calculation of baseline consumption, monitoring of the implementation etc.). • Provide input to 2-3 meetings of the Inter-Ministerial Working Group (IMWG) on ESCO development. • Conduct capacity building event for the members of the IMWG and other relevant stakeholders; • Supervised and coordinated the deliverables of local as well as international consultants during the assignment; • Provide information on relevant experience with ESCO from EU/Easter European and Neighbourhood countries; • Identify barriers and possible solutions to the successful implementation of energy efficiency services and ESCO in Belarus; • Draft proposals for the improvement of the existing legislative framework; • Develop final Roadmap report, including recommended next steps and follow-up activities for the Government of Belarus to facilitate the adoption of the proposals and draft templates/secondary legislation developed within this assignment.
September 2018 – November 2018	<p>Nordic Environment Finance Corporation (NEFCO) Helsinki, Finland</p> <p>Reference Person: Ms. Aliona Fomenko, aliona.fomenko@nefco.fi</p>	Republic of Moldova	Energy Efficiency and Financing Expert to develop a Study on EXPANSION OF NMF CREDITS TO MOLDOVA	<p>The aim of this assignment was to prepare the expansion of Nordic Environmental Development Fund's (NMF's) credits into the New Countries by collecting basic information and preparing an analysis described below.</p> <p>Activities performed by the consultant:</p> <ol style="list-style-type: none"> 1. Estimation of the potential for Energy Savings Credits (ESC) finance. 2. Assessment of the regulatory framework for municipal borrowing. 3. Assessment of general financial strength and

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				<p>implementation capacity of municipalities for ESC.</p> <p>4. Supervised the elaboration of local consultants' outcomes and ensured the quality control of final deliverables.</p> <p>5. Estimation of the potential for CPF finance.</p> <p>6. Assess implementation capacity of SMEs for the Cleaner Production Facility (CPF).</p>
August 2018 – September 2018	<p>AvantGarde Energy Bratislava, Slovakia for UNDP Armenia</p> <p>Reference Person: Ms. Marina Olshanskaya olshanskaya@avantgarde-energy.com</p>	Armenia	International consultant on the Development of Energy Efficiency Fund regulation in Armenia	<p>Development of Energy Efficiency Fund regulation in Armenia</p> <ul style="list-style-type: none"> • Elaboration of the financial regulation on revolving funds in Armenia • Elaboration of a detailed evaluation guide for applications, define the qualifications, evaluation and selection criteria for investment projects in energy efficiency and renewable sources of energy.
August 2018	<p>UNDP Kazakhstan 14, Mambetov str., Astana, 010000, Kazakhstan</p> <p>Reference Person: Alexandr Belyi, alexander.belyi@undp.org</p>	Kazakhstan	International technical expert in assessing of low-carbon projects in heating and water supply	<p>UNDP-GEF Project “Sustainable Cities for Low-Carbon Development”</p> <p>Analyse and assess the documents submitted by the UNDP-GEF Project for obtaining financial support from applicants (5 applications) for heating and sewage systems (boiler rooms, ATPs, pumps):</p> <ul style="list-style-type: none"> • Application of a potential candidate; • Calculations of proposed project energy efficiency; • Rules for the provision of financial support. <p>Supervise the activity of local technical evaluation committee and ensure the quality control of final deliverables</p>
July 2018 - Present	<p>Sisteme Inteligente in Energetica SRL (SINERGETIKA) Chisinau, Republic of Moldova</p>	Republic of Moldova	Chief Executive Officer	<p>Established and manage an engineering and consultancy company to provide advisory and implementation support services for public and private investment projects in energy efficiency, renewable energy and urban sustainability. Coordinate and supervise all teams involved in</p>

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November 2014 – June 2018	<p>United Nations Development Program in Moldova (UNDP) 131, 31 August 1989 street Chisinau, Republic of Moldova</p> <p>Reference person: Mr. Georgi Arzumanyan georgi.arzumanyan@undp.org</p>	Republic of Moldova	Project Manager of “ESCO Moldova project”	<p>“ESCO Moldova project - Transforming the market for Urban Energy Efficiency in Moldova by introducing Energy Service Companies”</p> <ul style="list-style-type: none"> • Responsible for whole life cycle of the project from inception, planning, promotion to implementation; • Lead the process of elaborating and managing the Loan Guarantee Fund Mechanism (in close collaboration with the Energy Efficiency Fund and partner Financial Institutions); • Support the Chisinau Municipality in preparing and issuing a Request for Qualification resulting in an ESCO shortlist, and Request for Proposals for energy efficiency projects implementation; • Liaised with the national counterparts and donors to ensure that Project results are achieved, and Project resources are managed efficiently and effectively; • Collaborate with national counterparts on all aspects related to their mandate relevant for the project, specifically on quality assurance of energy audits and feasibility studies, selection of EPC projects, and training of stakeholders. • Supervised the activity of local as well as international teams of experts involved at different layers and within activities of the project (e.g. supervised the activity of an international consortium hired to provide facilitation services for establishment of energy services in Moldova)
April 2011 – November 2014	<p>United Nations Development Program in Moldova (UNDP) Chisinau, Republic of Moldova</p> <p>Reference person: Ms. Narine Sahakyan narine.sahakyan@undp.org</p>	Republic of Moldova	Senior Project Officer in Moldova Energy and Biomass project	<ul style="list-style-type: none"> • Led on facilitating the implementation of an agri-industrial cogeneration plant using own-produced biomass waste with a total value of 7 Mil Euro. Conducted studies of the market barriers to, and opportunities for, the development of industrial cogeneration based on biomass in Moldova; • Worked on the implement of a market stimulation scheme, including installation of demonstration projects, market facilitation and implementation of a subsidy scheme, totalling 2 Mil Euro; • Designed and implemented a Public Private Partnership leading to the development of a new service in one of the regions of the country, leading

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				<p>to biomass heat delivery for 26 public institutions located in the south of the country. 5 Mil Euro has been leveraged to make the project operational and successful.</p> <ul style="list-style-type: none"> Supervised the activity of local as well as international teams of experts contracted to provide a wide range of services to the project under my responsibility.
March 2010 April 2011	<p>The German Agency for International Cooperation in Moldova (GIZ) Chisinau, Republic of Moldova</p> <p>Reference person: Mr. Philipp Johannsen philipp.johannsen@giz.de</p>	Republic of Moldova	Project officer on Energy Efficiency and Renewable Sources of Energy	<ul style="list-style-type: none"> Responsible for energy efficiency projects implementation; Advise the project beneficiaries on energy efficiency, energy management, participatory planning of energy budgeting, energy infrastructure development, regional development, inter-communal cooperation, project management, public private partnership opportunities in energy efficiency projects, procurement and tendering processes of energy services, monitoring and evaluation, asset management. Establish and maintain contacts with the Project partners and beneficiaries by means of meetings, correspondence, etc. Draft Project documents, such as reports, Memorandums, TORs, presentations, etc. Represent Project at different levels: local, district, regional, national, international (when necessary) Coordinate the necessary technical assistance for the successful project implementation

Certification:

I, the undersigned, certify that to the best of my knowledge, these data correctly describe me, my qualifications and my experience. I am available to undertake the assignment in case of an award.

Nicolae Zaharia
Date: 05.08.2020

Curriculum Vitae (CV)

Igor Zanoaga

Position Title and No.	Engineer
Name of Expert:	Igor Zanoaga
Date of Birth:	July 12, 1952
Country of Citizenship/Residence	Republic of Moldova / Republic of Moldova

Education:

Name of Institution	Dates Attended	Degree / diploma obtained
Chisinau Technical University	September 1969 - August 1974	Higher Education Diploma/ Engineer in Electronics

Language skills: (Mark 1 to 5 for competence, 5 being the highest)

Language	Reading	Speaking	Writing
Romanian	5	5	5
English	5	4	4
Russian	5	5	5

Membership of professional bodies: Installation Engineers Association of Moldova

Other relevant skills (e.g. computer literacy, etc.): MS PowerPoint, MS Project, Word, Excel, Outlook

Key qualifications:

- Certified Measurement and Verification Professional, The Association of Energy Engineers;
- Member of the Energy Auditors Authorization Commission created by the Energy Efficiency Agency;
- Experience in developing secondary Energy Efficiency and RES legislation in Moldova;
- Experience in developing secondary Energy Audits legislation in Moldova;
- Experience in developing Feasibility Studies in EE and RES projects
- Experience in development and delivery of capacity building activities;
- Experience in organization of workshops and seminars.

Mr. Igor Zanoaga is a senior engineer with over 20+ years of experience in energy and resource efficiency in the industrial, commercial, residential (building) and agricultural sectors. As Senior Engineer at Termoelectrica, he leads three teams of technical experts and engineers. Deep knowledge of energy and resource efficiency regulations and corresponding EU Directives, including experience developing secondary Energy Efficiency and RES legislation and developing secondary Energy Audits legislation in Moldova. Mr. Zanoaga is a Certified Measurement and Verification Professional, and has extensive experience conducting feasibility studies, energy and resource audits and assessments both for SMEs and in buildings.

Employment record relevant to the assignment:

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May 2019 - present	<p>Termoelectrica S.A. Chisinau, Republic of Moldova</p> <p>Senior Engineer</p> <p>Reference person: Nicolae Glingean glingean@termoelectrica.md</p>	Republic of Moldova	<ul style="list-style-type: none"> • Development of Feasibility and Pre-feasibility Studies for energy efficiency projects in buildings and industry sectors, and their Investment Evaluation and Implementation Monitoring and Verification. • Investment Plans Development and Monitoring. • Elaboration of the Feasibility and Pre-feasibility Studies for the implementation of projects in the Renewable Energy Sources field.
January 2018 – December 2018	<p>International Renewable Energy Agency (IRENA) Masdar City, P.O. Box 236, Abu Dhabi, United Arab Emirates</p> <p>Technical Consulting Services</p> <p>Reference person: Marcin Scigan, MScigan@irena.org</p>	Republic of Moldova	<p>The primary objective of this assignment is to undertake an analytical assessment of the Republic of Moldova's readiness for a significant uptake of renewable energy using the Renewables Readiness Assessment methodology and develop an articulated action plan for the Republic of Moldova to achieve its own renewable energy targets.</p> <ul style="list-style-type: none"> • responsible for collecting all the data and information necessary for developing the background paper, issue paper, workshop report and the final RRA report; • responsible for making sure all the deadlines for deliverables to be met. • responsible for efficient and effective coordination with IRENA's focal point and the local RRA coordinator (identified by the Ministry of Economy and Infrastructure) in the Republic of Moldova in assisting with organizing the RRA workshop. • responsible for facilitating group discussions during the workshop to be held in the Republic of Moldova.
June 2018 – December 2017	<p>RTI International 3040 Cornwallis Road, PO BOX 12194, Research Park, USA</p> <p>Consultant</p> <p>Reference Person: Ruba Amarin ramarin@rti.org</p>	Republic of Moldova	<p>Regulatory Impact Analysis:</p> <ul style="list-style-type: none"> • Regulation on tenders for big RES-E producers • Regulation on confirmation of eligible producer status • Regulation on certification of installers of small-scale RES systems

<p>April 2016 – October 2016</p>	<p>United Nations Development Program in Moldova (UNDP) 131, 31 August 1989 street Chisinau, Republic of Moldova</p> <p><i>National Consultant on Energy Efficiency Project Design</i></p> <p><u>Reference person:</u> Georgi Arzumanyan, georgi.arzumanyan@undp.org</p>	<p>Republic of Moldova</p>	<p>National Consultant on Energy Efficiency Project Design Participation in developing the project supporting documents for De-Risking and Scaling-up Investment in Energy Efficiency Building Retrofits financed by GCF/UNDP, data collection and development of Baseline and forecast Energy Savings, other relevant information for Concept Note preparation.</p>
<p>March 2015 – December 2015</p>	<p>United Nations Development Program in Moldova (UNDP) 131, 31 August 1989 street Chisinau, Republic of Moldova</p> <p><i>Local expert</i></p> <p><u>Reference person:</u> Nicolae Zaharia Nicolae.zaharia@sinergetika.co</p>	<p>Republic of Moldova</p>	<p>Local expert ESCO Moldova - Transforming the market for Urban Energy Efficiency in Moldova by introducing Energy Service Companies Assistance to the Municipality of Chisinau in updating the existing Urban Development Plan by providing a “green focus” leading to a reduction of energy consumption as well as to CO2 emissions, having a special emphasis on energy efficiency in the building sector and to thereby help turn the urban development plan into a Green Urban Development Plan Provide support in updating the Sustainable Energy Action Plan and contribute to development of a resource mobilization plan ready to be presented and adopted by the Municipal Council.</p>
<p>February 2015 – August 2015</p>	<p>MVV decon GmbH Augustaanlage 62-64, 68165 Mannheim</p> <p><i>Expert</i></p> <p><u>Reference person:</u> Andrew Parker, a.parker@mvv-decon.com</p>	<p>Republic of Moldova</p>	<p>Project AHEF 119MD</p> <ul style="list-style-type: none"> • Energy Performance Contract (EPC) templates for the public and private sectors; • Methodology (guidelines) for energy performance contracting in the public sector based on best practices (economic feasibility assessment, distribution of extra project benefits, etc.); • Methodology with guidelines for the elaboration of terms of reference for energy performance contracting in the public sector (technical requirements, tender procedures and requirements, etc.). <p>Project AHEF 120MD</p> <ul style="list-style-type: none"> • Methodology (guidelines) for conducting energy audits in CHP and DH plants; • Template for data collection forms (DCF) in CHP and DH energy audits; • Sample analysis with spreadsheet tool to calculate feasibility of CHP and DH SE measures.

<p>October 2014 – November 2014</p>	<p>United Nations Development Program in Moldova (UNDP) 131, 31 August 1989 street Chisinau, Republic of Moldova</p> <p><i>National consultant</i></p> <p><u>Reference person:</u> Silvia Pana-Carp, silvia.pana-carp@undp.org</p>	<p>Republic of Moldova</p>	<p>Development of a full-fledged Nationally Appropriate Mitigation Actions document in the building sector. During the project it was developed NAMA: Piloting Stirling engines in Moldova by upgrading existing biomass heat only boiler plants to cogeneration units.</p>
<p>May 2014 – December 2018</p>	<p>Energy Efficiency Agency 1, Alecu Russo street, 10th floor Chisinau, Republic of Moldova</p> <p><i>Energy Consultant</i></p> <p><u>Reference Person:</u> Manole Balan, manole.balan@aee.md</p>	<p>Republic of Moldova</p>	<p>Consulting in Energy Statistic, developing guidelines on street lighting and energy audits of industrial enterprises, coordinating the implementation of pilot projects on energy efficiency and renewable energy, consulting in implementation of benchmarking studies on energy efficiency in the industrial sector of the country.</p>
<p>October 2013 – April 2014</p>	<p>Consolidated Implementation Unit of Environment Projects (UCIPM) 9 Cosmonautilor str., MD-2005, Chisinau, Republic of Moldova</p> <p><i>Local Energy Expert</i></p> <p><u>Reference Person:</u> Sergiu Magdil magdil@mediu.gov.md</p>	<p>Republic of Moldova</p>	<p>Biogas Generation from Animal Manure Pilot Project</p> <p>Elaboration of Feasibility Study on the Potential for Biogas Development in Agricultural Sector (chapter referring to Energy Efficiency).</p> <p>Analysis of energy consumption profiles of each selected farm, Estimation of heat and electricity demand of each selected farm, Comparison of heat and electrical capacities to justify the use of cogeneration technologies at the respective farm, identification of technical opportunities and estimation of investments needed for: feed in of electricity surplus into network and use of heat surplus produced in cogeneration.</p>
<p>March 2014 – August 2014</p>	<p>United Nations Development Program in Moldova (UNDP) 131, 31 August 1989 street Chisinau, Republic of Moldova</p> <p><i>Energy Expert</i></p> <p><u>Reference Person:</u> Alexandru Oprunenco alexandru.oprunenco@undp.org</p>	<p>Republic of Moldova</p>	<p>Moldova's Green Development Offer</p> <p>Producing the thematic paper (main deliverable) Support for co-chairing a thematic round table Contribute to the mapping of the existing efforts on all three dimensions:</p> <ol style="list-style-type: none"> 1. Business: draft short bios for relevant encountered practitioners. 2. Government/Communities: map and report all stakeholders. 3. External assistance

<p>March 2013 – March</p>	<p>ICF Consulting Ltd Kean House, 6 Kean Street, London WC2B 4AS, United Kingdom</p> <p>Local Sustainable Energy Expert, Auditor</p> <p><u>Reference Person:</u> Mark Allington Mark.Allington@icfi.com</p>	<p>Republic of Moldova</p>	<p>Local Sustainable Energy Expert, Inogate Program “Industrial Energy Audit Analysis for Bankable Projects”</p> <p>Organization of two workshops for 60 auditors, work with instructors before and between workshops to learn methodology to a level of competence high enough to help participants solve exercises.</p>
<p>September 2013 – March 2014</p>	<p>United Nations Development Program in Moldova (UNDP) 131, 31 August 1989 street Chisinau, Republic of Moldova</p> <p>National Energy Sector Expert for the ESCO Moldova Project</p> <p><u>Reference Person:</u> Nadja Veters nadja.veters@undp.org</p>	<p>Republic of Moldova</p>	<p>Participation in developing the project supporting documents for ESCO Moldova financed by GEF/UNDP, data collection and development of Baseline Data Report and project impacts estimates, etc.</p>
<p>August 2013 – October 2013</p>	<p>PricewaterhouseCoopers 37, Maria Cibotari Street, Chisinau, Republic of Moldova</p> <p>Energy Expert</p> <p><u>Reference Person:</u> Alexandru Gozun alexandru_gozun@ro.pwc.com</p>	<p>Republic of Moldova</p>	<p>Energy Sector Reform and Efficiency Improvements Project “Implementation Support for Corporate Restructuring of TERMOCOM, CHP-1 and CHP-2”</p> <ul style="list-style-type: none"> • Estimation of investments for interconnection of Heating Only Boilers HOB-West and HOB-South with CHP-2; • Elaboration of Action Plan for stopping activity of CHP-1, including calculation of investment costs; • Modernization of District Heating pumping stations; • Elaboration of heating supply forecasts for Chisinau; • Calculation of investments for the implementation individual heating substations (IHS) in Chisinau; • Calculation of investments and Payback Period (PBP) for implementation of cogeneration in HOB West and HOB-South.

<p>August 2013 – December 2013</p>	<p>GOPA Consultants Hindenburgring 18 61348 Bad Homburg, Germany</p> <p><i>Energy Expert</i></p> <p><u>Reference Person:</u> Cristina Weiss cristina.weiss@gopa.de</p>	<p>Republic of Moldova</p>	<p>“Modernization of Local Public Services in the Republic of Moldova Project”, implemented by GIZ.</p> <p>Providing support to Energy Efficiency Agency in elaboration of the template structure of the energy audit report for public sector buildings.</p>
<p>June 2013 – December 2014</p>	<p>Tetra Tech ES, Inc. 4601N, Fairfax Drive Suite 601, Arlington V, 422203 USA</p> <p><i>Tetra Tech's EC-LEDS Local Energy Consultant</i></p> <p><u>Reference Person</u> Bob Baumgartner, robert.m.baumgartner@tetrattech.com</p>	<p>Republic of Moldova</p>	<ul style="list-style-type: none"> • Assist in identifying required data for preparation of National Energy Balance. • Participate in training for preparation of National Energy Balance. • Assist in reviewing current NBS surveys to determine if additional questions on energy consumption should be added. • Assist in preparing a Roadmap and data collection templates and instructions to formalize the process for annual preparation of the National Energy Balance. • Assist the Ministry of Environment Climate Change Office in using information from the National Energy Balance for preparation of the Greenhouse Gas Inventory. • Assist NBS staff in collecting data for energy and environmental statistics • Assist NBS staff in preparing reports on energy and environmental statistics.
	<p>International Resources Group 1211 Connecticut Ave. NW, Suite 700, Washington, DC 20036 USA</p> <p><i>Independent Contrator</i></p> <p><u>Reference Person</u> Masood Malik masood.malik@engilitycorp.com</p>	<p>Republic of Moldova</p>	<p>Developing the Benchmarking the Renewable Energy Development Process. Country Report: The Republic of Moldova.</p>

August 2012 – September 2012	Alliance for Energy Efficiency and Renewables 5a, Alexander Pushkin St, Chisinau, Republic of Moldova Senior Energy Expert	Republic of Moldova	Editing the Energy Auditing Regulations and costs calculations methodologies produced as part of Sida Support Program in Moldova for the Energy Efficiency Agency and Ministry of Economy.
	UNIDO National Expert <u>Reference Person</u> Marco Matteini m.matteini@unido.org	Republic of Moldova	National Expert Developing Monitoring & Verification Program of EE, EPIs, Pilot Benchmarking Studies, BPID Program and BPR Program, organising workshops and seminars.
August 2012 – January 2013	IDIS- Viitorul str. Iacob Hâncu 10/1 Chisinau, Republic of Moldova Local Expert <u>Reference Person:</u> Liubomir Chriac liubomir.chriac@viitorul.org	Republic of Moldova	Developing the Sustainable Energy Action Plan for Chisinau Municipality.
February 1999 – March 2012	CADCAM-GRUP S.R.L Chisinau, Republic of Moldova Executive Director	Republic of Moldova	General and technical management of the developed by company design projects in mechanical and HVAC (heating, ventilation and air conditioning).

Certification:

I, the undersigned, certify that to the best of my knowledge, these data correctly describe me, my qualifications and my experience. I am available to undertake the assignment in case of an award.

Igor Zanoaga

Date: 04.08.2020

Curriculum Vitae (CV)
Octavian Lungu

Position Title	Legal Expert
Name of Expert:	Octavian Lungu
Date of Birth:	05/09/1971
Country of Citizenship/Residence	Republic of Moldova

Education:

College/ University/ Specialized education, names of educational institutions	Dates attended	Degree/diplomas obtained
<p>Council of European Energy Regulators (CEER), Brussels</p> <p><i>Commissioner-Level Seminar on Managing European and National Agendas on Energy Regulation:</i></p> <ul style="list-style-type: none"> - <i>Overview of European Institutions</i> - <i>CEER, ACER and Other European Bodies</i> - <i>Key Legislative Developments in EU</i> - <i>Regulatory Oversight at National and EU Level</i> 	Mar.2017	Certificate
<p>Energy Regulators Regional Association (ERRA)</p> <p><i>Seminar for Newly Appointed Commissioners & Chairmen:</i></p> <ul style="list-style-type: none"> - <i>Authority, Autonomy and Accountability of the Regulator, Relationship with other Agencies</i> - <i>Restructuring of the Electric Power Industries</i> - <i>Price Regulation in the Energy Sector</i> - <i>Regulatory Tools to Support Renewable Energy, Electricity Markets</i> - <i>Security of Supply, Privatization Experiences</i> 	Apr.2014	Certificate
<p>Public Administration Academy of Moldova</p> <p><i>Post-graduate studies in International Relations and Law:</i></p> <ul style="list-style-type: none"> - <i>National constitutional, administrative, civil, penal, economic and labor laws</i> - <i>International public and private laws</i> 	1997-2001	MA International Relations Diploma
<p>Bucharest Technical University of Civil Engineering, Romania</p> <p><i>Environmental Sciences/Water Resources Engineering</i></p>	1993-1995	Post-graduate Diploma
<p>Technical University of Moldova</p>	1988-1993	MSc. Electronics Diploma

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
Nov 2019 - present	UNDP, Moldova Sustainable Green Cities Project, National Consultant in Energy Efficiency and Renewable Energy Sources <i>For references:</i> <i>Tel. +373 69162798/e-mail: alexandru.rotaru@undp.org</i> <i>Mr. Alexandru Rotaru, Project Manager</i>	Moldova	<ul style="list-style-type: none"> - National support for scoping, data collection, analysis of existing legal and institutional provisions, development procedures and document templates (aligned with the legislation in place); - Provide inputs for analyzing and implementing financial mechanisms for energy efficiency measures related to loans repayment instruments; - Provide all the required support for determining the most feasible approach to the energy efficient refurbishment in private or residential sector; - Support in organization of round table meetings with national stakeholders.
Jan.2014-Feb.2019	National Agency of Energy Regulation, Commissioner/ Member of the Board <i>For references:</i> <i>Tel. +373 69105199 /e-mail octavian.calmac@gmail.com</i> <i>Mr. Octavian Calmic, Commissioner</i>	Moldova	<ul style="list-style-type: none"> - Coordination of Tariff and Economic Regulation Dept; - Draft, review and approve regulations, incl. tariffs methodologies; - Draft energy laws and its amendments; - Review and approval of utilities companies' investments plans; - Review and approve operational costs and regulated tariffs/prices; - Negotiations with WB, EBRD, EIB, EC large infrastructure projects implementation.

7. Language skills: (Mark 1 to 5 for competence, 5 being the highest)

Language	Reading	Speaking	Writing
Romanian (mother tong)	5	5	5
Russian	5	5	5
English	5	4	4
French	4	3	2

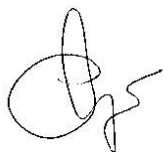
8. Membership of professional bodies:**9. Other relevant skills (e.g. computer literacy etc.):**

- MS Office - advanced

Certification:

I, the undersigned, certify that to the best of my knowledge, these data correctly describe me, my qualifications and my experience. I am available to undertake the assignment in case of an award.

Octavian Lungu
04.08.2020





REPUBLICA MOLDOVA



MINISTERUL ÎNVĂȚĂMÎNTULUI

DIPLOMĂ

de studii superioare universitare de licență

Seria AL

№ 0036791

În baza hotărârii Comisiei pentru examenul de licență

din 23 iunie 2001

Zaharia Nicolae

numele, prenumele

înmatriculat în anul 1997, absolvent al(a)

Universității de Stat „Alec Russo”

instituația de învățămînt superior universitar

din Bălți

a obținut titlul de manager-economist

în profilul economie

specialitatea Management în comerț

specializarea

cu media: pe anii de studii 9,51 (nouă, 51)

examenului de licență 10,00 (zece, 00)

generala 9,75 (nouă, 75)

L.Ș.

Președinte al Comisiei,

Rector, *[Signature]*

Decan,

Secretar, *[Signature]*

Eliberat la 30 iunie 2001

Nr. de înregistrare 107 Semnătura titularului

Tipografia Centrală, 2001



Seria H Nr 0003219



ROMÂNIA
MINISTERUL EDUCAȚIEI ȘI CERCETĂRII



ȘCOALA NAȚIONALĂ DE STUDII
POLITICE ȘI ADMINISTRATIVE



DIPLOMĂ DE STUDII ACADEMICE POSTUNIVERSITARE

D -/ **ZAHARIA GH. NICOLAE**

născut în anul 1979, luna Iunie, ziua 5, în localitatea
BĂLȚI, județul, țara REPUBLICA MOLDOVA

a absolvit STUDIILE ACADEMICE POSTUNIVERSITARE
COMUNICARE ȘI RELAȚII PUBLICE

cu durata de 2 ani, în perioada 2001 - 2003

și a susținut examenul de diplomă la data Iunie 2003

Titularului acestei diplome i se acordă toate drepturile legale.



RECTOR,

DECAN / DIRECTOR,

SECRETAR ȘEF,

Nr. 69 din 14.12.2004

Semnătura titularului

Diploma este însoțită de foaia matricolă

ДИПЛОМЭ

Ш № 341494

Диплома де фазэ есте дагэ Закога
Игорь Иванович
 дрепт адеверинце, кэел ын анул 1969
 а ынтраг ла институту де
политехникэ
дин Химинэу
 ши ын анул 1974 а терминат курсул
 деплин ал институтулуй
ресектор
 ла спечялитатя ал серваторе ку
семикондукторь

Прин хотэрыря Комисией де экзаминаре
 де стат де 22 токе анул 1974
 и сепарате де Закога И.И.

и сепарате де Имайнер
индомкуче техникий електронике
 Присвоение де Имайнер
 де экзаминаре де стат
 де Закога И.И.
 Ректор Вешинь
 Секретарь И.И.И.
 Оралу И.И.И.
 анул 1974

Нумэруа де впрежистаре //

Молдинскин 13.

ДИПЛОМ

Ш № 341494

Настоящий диплом выдан Закоге
Игорю Ивановичу
 в том, что он в 1969 году поступил
 в Химиневский
политехнический институт
 и в 1974 году окончил _____ полный курс
направления
инженерия
 по специальности полупроводниковые
приборы

Решением Государственной экзаменационной
 комиссии от 22 токе 1974г.
Закога И.И.

присвоена квалификация инженера
электронной техники
 Приоритетное Государственной
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 Ректор Вешинь
 Секретарь И.И.И.
 Оралу И.И.И.
 анул 1974г.

Московская типография Гознака. 1969.

DIPLOMĂ

cu mențiune

de studii postuniversitare

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Lungu Octavian

numele și prenumele titularului

în anul 1998 a fost înmatriculat și în anul 2001 a absolvit cursul deplin al Academiei de Administrare Publică pe lângă Guvernul Republicii Moldova la specialitatea *relații internaționale*.

Prin hotărîrea Comisiei de Stat de Calificare din 06 iunie 2001 i se conferă calificarea *specialist în relațiile internaționale*.



*Sedintele Comisiei
de Stat de Calificare*

Președintele

*Sprișcu
M. Blaton*

Nr. de înregistrare 1063
mun. Chișinău, 08 iunie 2001

ROMANIA
MINISTERUL ÎNVĂȚĂMINTULUI
UNIVERSITATEA TEHNICĂ DE
CONSTRUCȚII

Seria B Nr. 193



DIPLOMĂ

LUNGU G.A. OCTAVIAN GHEORGHE

născut în anul 1971, luna SEPTEMBRIE, ziua 5,

în localitatea CIUCIULEA, județul RAIONUL GLODENI R.S.S. MOLDOVENEASCA,

a absolvit ȘCOALA DE ÎNALTE STUDII POSTUNIVERSITARE

în specializarea: INGINERIA RESURSELOR DE APA

cu durata 15 (un an și cinci luni) ani, în perioada octombrie 1993 februarie 1995, cu media generală 7,08 (sapte zero opt)



RECTOR

[Signature]

DECAN

[Signature]

SECRETAR ȘEF

[Signature]

Nr. 17

Semnătura titularului

[Signature]

Data eliberării: anul 1995, luna Octombrie, ziua 25

M

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