

“ADVANCED MID-LEVEL MALE AND FEMALE PROFESSIONALS OF CENTRAL ASIA AND AFGHANISTAN – FOR THE REGIONAL COOPERATION AND PROMOTION OF GREEN INNOVATIONS”

REPORT

ON THE 10TH ANNIVERSARY CENTRAL ASIAN LEADERSHIP PROGRAMME ON ENVIRONMENT FOR SUSTAINABLE DEVELOPMENT

AND THE REGIONAL TRAINING COURSE ON WATER DIPLOMACY WITH A SPECIAL FOCUS ON GENDER-SENSITIVE NEGOTIATION AND MEDIATION SKILLS

SEPTEMBER 16 – 25, 2019





CONTENT

1. Gratitude to partners	4
2. List of Abbreviations	5
3. Introduction	6
3.1. Regional processes and platforms of cooperation	6
3.2. Background	6
4. Leadership and the role of youth in innovations:	7
5. CALP as a tool for leadership and capacity building:	8
5.1 Leaders of new generation	8
5.2. CALP alumni network	8
5.3. CALP relevance	8
6. CALP contribution to CAREC as a Center of knowledge	8
7. Organizing Committee of the CALP alumni network	10
8. The 10th Anniversary CALP:	13
8.1. Goals and objectives	16
8.2. Partners and donors: multilateral and intersectoral approach	16
8.3. Speakers and lecturers	18
8.4. Participants	19
8.5. CALP contribution to the regional cooperation	21
8.6. Thematic content	21
9. OSCE Regional Training course on water diplomacy with a special focus on gender-sensitive negotiation and mediation skills:	22
9.1. Relevance	46
9.2. Goals and objectives	46
9.3. Partners	46
9.4. Speakers and participants	47
9.6. Agenda of the Training	47
10. Success stories of the CALP alumni: 2010-2019	47
11. CALP results, impact and sustainability	54
12. Annexes	55



GRATITUDE TO PARTNERS

CAREC is grateful to all partners and donors for the support, commitment and contribution in organizing the 10th Anniversary Central Asian Leadership Programme on Environment for Sustainable Development (CALP) and the Regional Training on Water Diplomacy with a special focus on negotiating skills and gender-sensitive mediation in 2019, namely: the OSCE Programme Office in Nur Sultan, the UN Environment, the OSCE Secretariat in Vienna, the USAID, the World Bank, the European Union, the Ministry of Foreign Affairs of Finland, the Stockholm International Water Institute (SIWI), the OSCE Programme Office in Dushanbe and Kazakh-German University, who provided great support to the enhancement of youth programs and networks, capacity building of the young leaders from Central Asia and Afghanistan by promoting the values of regional cooperation and partnership.

CAREC is grateful to all the moderators and speakers, representatives of state bodies of the Central Asian countries and Afghanistan, international, regional and non-governmental organizations, programs and projects, and mass media for the participation and contribution to the success of the 10th CALP and the OSCE Training.

Special thanks go to the CALP Alumni Network, members of the first Organizing Committee, who worked for 2 consecutive years from 2017 to 2019 to enhance the CALP Network, as well as the current members of Organizing Committee elected for the period 2019-2021.

CAREC is also grateful to all the consultants and experts of CAREC, who shared their invaluable experience with the participants of the 10th Anniversary Leadership Programme on priority environmental issues for sustainable development of the Central Asian region.



LIST OF ABBREVIATIONS

ASBP	The Aral Sea Basin Program
CA	Central Asia
CALP	Central Asian Leadership Programme on Environment for Sustainable Development
CAREC	The Regional Environmental Centre for Central Asia
CLI	Collective Leadership Institute (Germany)
ESD	Education for Sustainable Development
DKU	Kazakh-German University
EU	European Union
GIZ	German Society for International Cooperation
IFAS EB	Executive Board of the International Fund for Saving the Aral Sea
IPCC	Intergovernmental Panel on Climate Change
IUCN	International Union for Conservation of Nature
IWRM	Integrated Water Resources Management
KazWaste	Kazakhstan Association of Organizations and Individual Entrepreneurs
MENR	Ministry of Ecology and Natural Resources of the Republic of Kazakhstan
MSW	Municipal Solid Waste
NEXUS	Water, energy and food security nexus approach
NGO	Non-governmental organization
OSCE	Organization for Security and Cooperation in Europe
PNA	Protected natural areas
REPPSD	Regional Environmental Program for Sustainable Development of Central Asia
SDC	Swiss Agency for Development and Cooperation
SDGs	Sustainable Development Goals
SIWI	Stockholm International Water Institute
UNDP	UN Development Programme
UNEP	UN Environment Programme
UNESCO	UN Educational, Scientific and Cultural Organization
UNFCCC	UN Framework Convention on Climate Change
UNECE	UN Economic Commission for Europe
UN ESCAP	UN Economic and Social Commission for the Asian Pacific
USAID	United States Agency for International Development
UzWaterAware	EU Water Awareness Project
WB	World Bank
Zoinet	Environmental Network, Switzerland



INTRODUCTION

3.1. Regional processes and platforms of cooperation

In 2019 CAREC marked 18 years of activities, and it continues to develop as a regional environmental organization that promotes and supports initiatives in the field of environmental protection and sustainable development. CAREC facilitates regional environmental cooperation platforms in Central Asia, by increasingly involving young people and providing a neutral dialogue platform for the youth capacity building, sharing experience, best practices and success stories.

CAREC
18 years

The Central Asian International Environmental Forum (CAIEF), the Central Asian Conference on Climate Change (CACCC), and the CALP are the examples of successful and effective regional initiatives and dialogue platforms.

Regional cooperation can significantly influence not only the achievement of the goals set for the countries, but also the effectiveness of implementation of the national development programs and strategies, including using the potential of the younger generation. For the full development of any region, it is necessary to use the energy, willingness to change, creativity and innovative ways of thinking of the youth. In the context of

globalization, the growth of the world's population and the limited natural resources, it is important that young people can make a significant contribution to solving complex socio-economic and environmental problems.

3.2. Background

CALP builds on the achievements and lessons of the CAREC Young Leaders Program which was in operation in 2006-2008 (with support from the EU and the Government of the Netherlands), and the UNEP Leadership Program in Tongji University, China. Nowadays it became one of the most successful examples of multi-pair partnership, cross-sectoral capacity building initiative the region of Eastern Europe, the Caucasus and Central Asia (EECCA). In 2010 on the sidelines of the Ministerial Conference on Environment and Development of the Asia-Pacific Region, the 1st CALP was organized at the Nazarbayev University. The three-day program was designed for mid-level officials interested in sustainable development, and comprised of three dimensions - human, environment and sustainable development.

After 10 years ***CALP remains a recognized platform for youth regional cooperation.*** The geography and the number of the CALP participants has significantly increased over the last years with more involvement of different international partners and donors – all this made the program agenda more innovative, rich, extensive and targeting global challenges.



LEADERSHIP AND THE ROLE OF YOUTH IN INNOVATIONS

In September 2015, the UN General Assembly adopted the Agenda-2030 for Sustainable Development and the Sustainable Development Goals (SDGs). One of the important goals is the *SDG4: «Ensuring inclusive and equitable quality education and promoting lifelong learning opportunities for all.»* It is assumed that by 2030, young people will be provided with the opportunity to acquire the knowledge and skills necessary for sustainable development, including by promoting green and healthy lifestyles, human rights, gender equality, a culture of peace, global citizenship and understanding of cultural diversity.



YOUTH AND SDGS

According to the UN data (<https://www.un.org/sustainabledevelopment/youth/>), in 2015-2030 the number of young people is expected to grow. Given the high digital interconnectivity, young people are capable to contribute to the resilience of their communities, among others, by proposing innovative solutions to societal challenges and driving social progress. Building on its global convening role, the United Nations is uniquely placed to act as a source of protection and support for young people, and a platform through which their needs can be addressed, their voice be amplified, and their engagement be advanced.



YOUNG SDG LEADERS

In September 2016, the inaugural class of 17 Young Leaders was announced. They work with the Youth Envoy to engage more young people in the SDG, advocate for their achievements and propose fresh ideas to promote the Agenda-2030.

1. <https://www.un.org/sustainabledevelopment/ru/youth/>



CALP AS A TOOL FOR LEADERSHIP AND CAPACITY BUILDING

5.1. Leaders of new generation

In Central Asia, the role of young leaders in transformations in the field of the environment and sustainable development and in promoting the regional dialogue is becoming more visible from day to day. The role of new generation managers, regional leaders who have global thinking, regional vision, understanding of the importance of regional cooperation and are ready to embrace innovative approaches is becoming increasingly important. Young leaders with high qualifications and professional skills are needed to respond to the global challenges and jointly solve regional problems on water, climate change, gender, and other environmental issues.

In this context, *CALP is the only regular programme to increase the environmental capacity on sustainable development in Central Asia*, which provides young people with comprehensive understanding of environmental challenges both in the region and the world. CAREC continues holding this unique leadership programme from 2010 up to now.

5.2. CALP alumni network

From 2010 to 2019, about 280 people graduated from the Leadership Programme. Today, graduates of the CALP make significant contributions to the promotion of regional cooperation and sustainability in various sectors throughout the region. The graduates



CALP IS THE ONLY REGULAR
PROGRAMME TO INCREASE
THE ENVIRONMENTAL CA-
PACITY ON SUSTAINABLE
DEVELOPMENT IN CENTRAL
ASIA

not only collaborate, share experience, take part in regional meetings and forums, but also study together at foreign universities, set friendships and support each other. Many graduates have been appointed to key positions in the various sectors, for example, one of the graduates of the CALP **Mr. Idrees Malyar** was appointed Deputy General Director of the National Environmental Protection Agency of Afghanistan in September 2018. CALP graduates work in the water, environmental and energy agencies of the region, at CAREC head office and its branches, civil society and academia and promote the values and benefits of regional cooperation in their daily work.

5.3. Relevance of the CALP and the OSCE Training

The CALP and the OSCE Training are responding to global, regional and national environmental challenges by providing more opportunities for young leaders to learn how to make environmentally friendly decisions and how to use and enhance their leadership skills and knowledge.



TODAY, THERE ARE EMERGING GLOBAL AND REGIONAL CHALLENGES IN THE FIELDS OF ENVIRONMENT PROTECTION, WATER MANAGEMENT AND SUSTAINABLE DEVELOPMENT, INCLUDING:

- ☑ The need to develop a regional dialogue for a faster response to global challenges;
- ☑ The need to introduce innovative approaches and programs, updating databases in the field of environmental protection, water resources, climate change and sustainable development;
- ☑ The importance of capacity building of a new generation through the use of modern educational curricula and vocational trainings;
- ☑ Limited financial resources and donor sources to finance selected major educational programs in the Central Asian region;
- ☑ Lack of certified teachers and trainers to improve the skills of specialists in sustainable development;
- ☑ The fragmentation and instability of project results: low “institutional memory”, replication of knowledge, and update of information, etc.

The role of the CALP, as a regular program to enhance the potential of young leaders in the region, is increasing from year to year, as evidenced by the increasing number of applications from the region’s youth and nominations from national partners represented by ministries and departments of Central Asian countries.



CALP CONTRIBUTION TO CAREC AS A CENTER OF KNOWLEDGE

As noted above, in 2010-2019 CAREC, in collaboration with partners and donors, successfully conducted 10 CALPs.

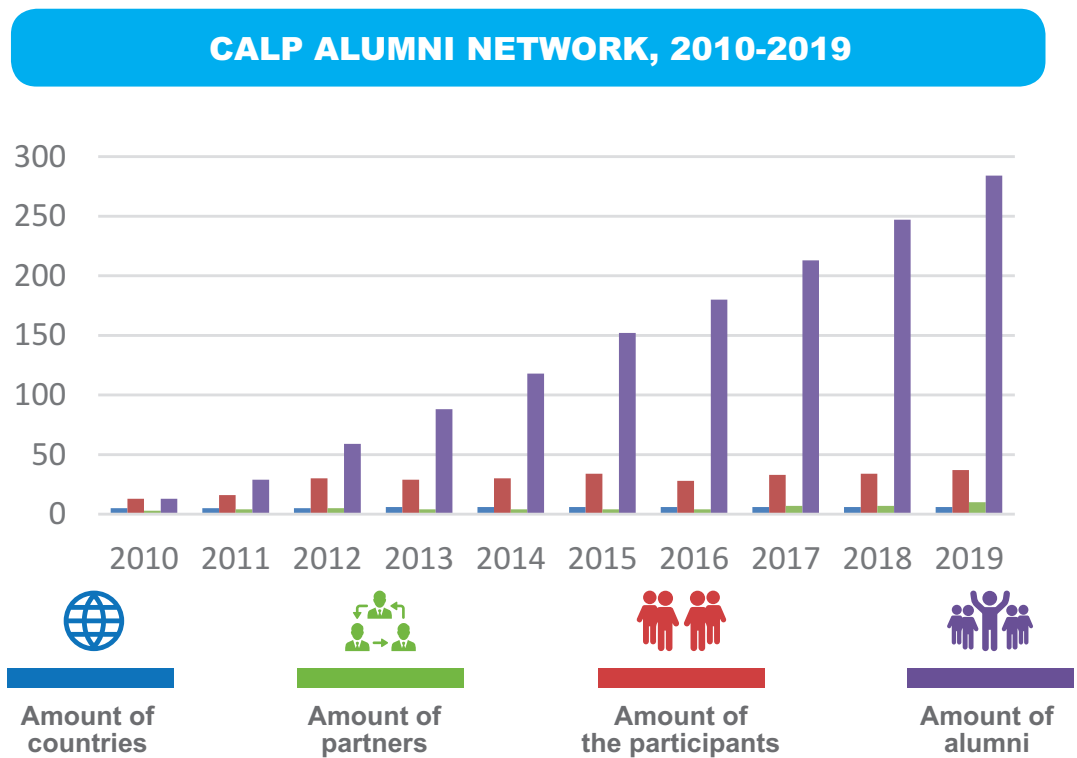


Timeline of the CA Leadership Programme



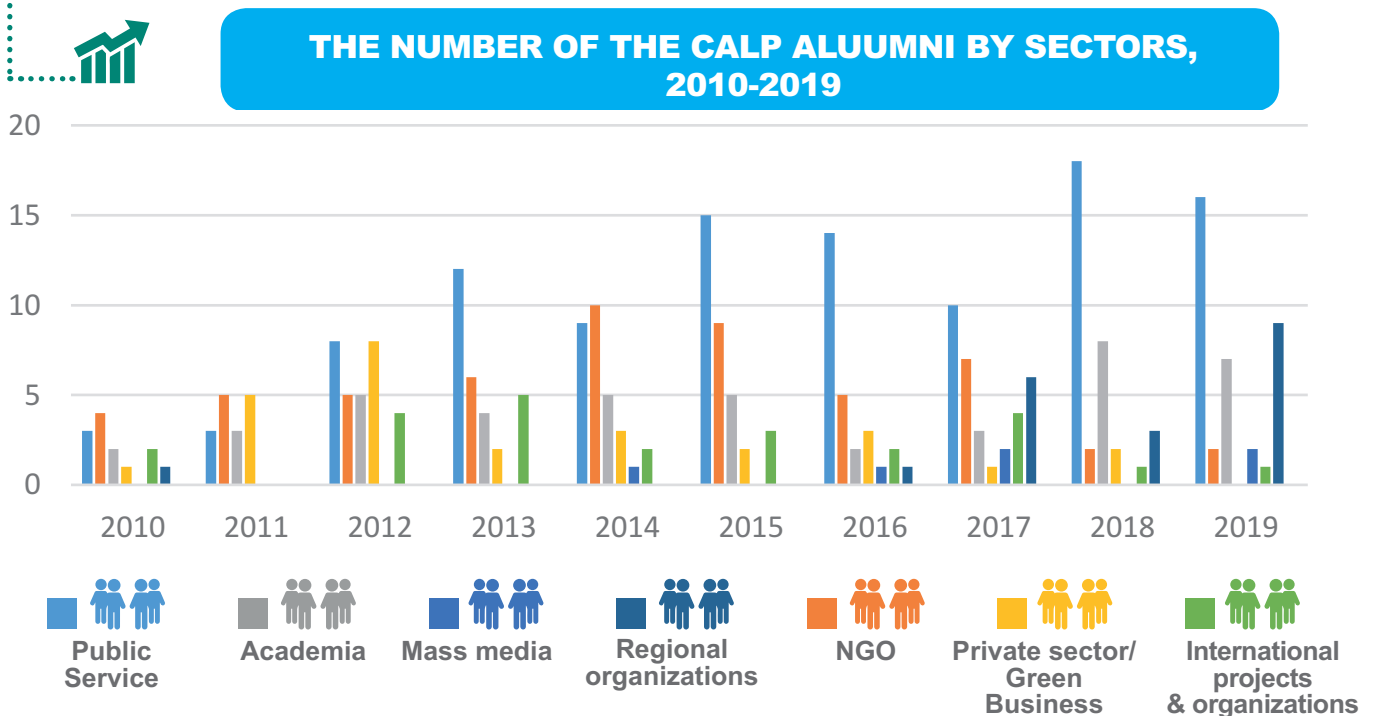
Each year there is a growing dynamic in terms of the thematic content and number of participants. The 1st CALP was held in Astana in 2010 with participation of only 13 people, this year the 10th CALP brought together 37 participants. *Today, there are more than 280 CALP alumni* (Figure 6.1).

Figure 6.1. CALP Alumni Network 2010-2019



In the early years of the programme (2010-2016) the number of participants from NGOs and the private sector prevailed. In the following period of 2016-2019 there was a persistent trend of growing interest from the participants representing public and academic sectors. *From year to year, CAREC receives more official nominations from state bodies of CA countries, which proves the importance, recognition and demand of the CALP by the national partners.* There is also a growing interest in participating in the CALP from representatives of international programs, projects and regional organizations. In addition, CALP helps to improve the situation in the field of environmental legislations to ensure more sustainable environmental decisions.

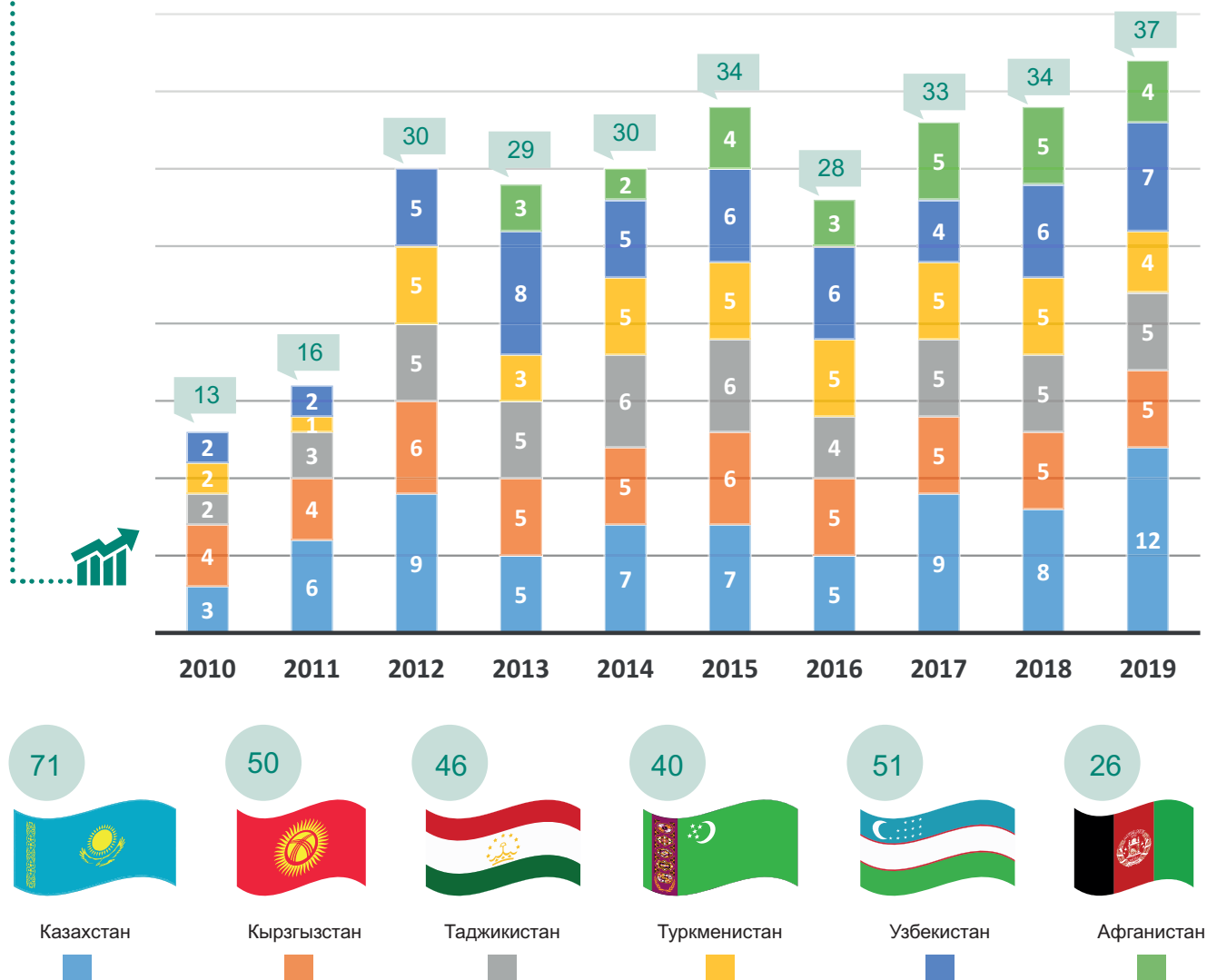
Figure 6.2. The number of the CALP alumni by sectors, 2010-2019



The number of the CALP alumni in the period of 2010-2019 varies from 26 (Afghanistan) to 72 (Kazakhstan). Due to the fact that participants from Afghanistan joined the CALP only in 2013, the number of graduates from this country show less numbers. The majority of participants are from Almaty city, including CAREC junior staff and interns, which participation did not require an additional financial support (Figure 6.3).

Figure 6.3. Amount of the CALP participants by countries, 2010-2019

AMOUNT OF THE CALP PARTICIPANTS BY COUNTRIES, 2010 – 2019



By promoting the dialogue and cooperation between all stakeholders engaged in the environmental protection, CAREC continues to develop as a regional Knowledge Center on environmental issues in Central Asia and views knowledge and innovation as the key instrument to respond to global challenges and regional environmental needs in Central Asia. In this regard, *CALP today is one of the most important tools for the development of the CAREC Knowledge Center*, taking into account the role of youth in promoting innovations, green best practices, the ability of young people to change, lead and take responsibility at all levels.



ORGANIZING COMMITTEE OF THE CALP ALUMNI NETWORK



2017 THE FIRST ORGANIZING COMMITTEE OF THE CALP ALUMNI NETWORK WAS ESTABLISHED

In 2017 the first Organizing Committee of the CALP Alumni Network (hereinafter - the CALP Organizing Committee) was established, comprising 6 graduates of previous Leadership programs. The Organizing Committee of the CALP was working on a rotational basis for 2 consecutive years until September 2019.



Ms. Danara Saranova (Kazakhstan), Ms. Aziza Murzashova (Kyrgyzstan), Ms. Madina Rakhmatova (Tajikistan), Ms. Nataliya Chemaeva (Turkmenistan), Ms. Nodira Janibekova (Uzbekistan) and Mr. Idris Malyar (Afghanistan) actively worked in the first Organizing Committee for the last two years. The Organizing Committee of the CALP Alumni network helped CAREC to disseminate information, knowledge, best practices at both national and regional levels and assisted in the implementation of the various CAREC events. CAREC regularly held separate youth events in the sidelines of its regional platforms such as CAIEF and CACCC, inviting the CALP graduates - members of the Organizing Committee of the CALP Alumni network.



Prior to the start of the 10th Anniversary CALP, the new members of the CALP Alumni network were proposed to the new Organizing Committee, including: Ms. Saule Agataeva (Kazakhstan), Ms. Aiperi Dzhayloobaeva (Kyrgyzstan), Ms. Takhmina Akhmedova (Tajikistan), Mr. Hemra Atabaev (Turkmenistan), Ms. Shahzoda Alikhanova (Uzbekistan) and Mr. Hussein Alemi (Afghanistan). The official introduction of new committee members took place during the 10th Anniversary CALP.



The CALP Organizing committee and members of the Alumni network meet not only at the CALP platform, but also successfully conduct various youth side or pre-conference events during the regional forums. In 2018 CAREC together with the CALP Organizing Committee successfully conducted the *Side Event of the Youth of Central Asia during CAIEF in Tashkent*, where they developed shared vision of the young people of the region, highlighting the role of CALP as a regional programme for youth capacity building. In April 2019, as part of the CACCC in Tashkent, the *Youth Pre-Conference Event "One Planet, One Future: Motivating young people to take action on climate change"* with support from the USAID's Smart Waters project and World Bank's CAMP4ASB

Program took place. The event made a valuable contribution to strengthening the regional cooperation and preparing future leaders who will be playing a major role in ensuring a sustainable development of the region. Therefore, *CAREC CA Leadership programme is an effective tool for building partnerships and cooperation in Central Asia*. Participation in the Leadership program allows young specialists to acquire a new set of knowledge and skills on environment and sustainable development, as well as to benefit from CAREC's firsthand information and broad partner networks.





THE 10TH ANNIVERSARY CALP



8.1. GOALS AND OBJECTIVES

The overall goal of the 10th Anniversary CALP is to promote connectivity of Central Asian youth by providing a neutral regional youth dialogue platform for discussing water cooperation, water diplomacy, gender equality, climate change, energy efficiency, gender, the NEXUS approach and other development issues between representatives from governments, academia, civil society, and private business, as well as strengthening and highlighting their role and voice in the regional cooperation.

30 young people from the countries of Central Asia and Afghanistan were selected to participate in the 10th Anniversary CALP and the OSCE Training through an open competition. Total 37 people took part in the CALP and the Training, including CAREC staff and interns. This year the programme brought together more than 70 partners, speakers, trainers, experts and consultants from international organizations, projects, companies, the expert community, NGOs, national, regional partner organizations and mass media. *In total, in 2019, more than 110 people participated in the 10th CALP and the OSCE Regional Training.*

The Leadership programme was aimed at developing eco-innovations and designed for the advanced mid-level professionals from Central Asia and Afghanistan, representing the state, non-governmental, academic and green business sectors. Based on the gender balance criteria, women made up more than 50% of the CALP and the OSCE Training participants, with 13 men (44%) and 16 women (56%). The breakdown of women by national delegations was the following: Kazakhstan (80%), Kyrgyzstan (80%), Turkmenistan (75%), Tajikistan (60%), Afghanistan (50%), and Uzbekistan (30%). In general, participation of more women both in national leadership teams and in CALPs had a positive impact on team building.



In accordance with the CALP goals and objectives, during the presentations and lectures, the leaders were presented with the latest innovative solutions to environmental problems at the global, regional, national and local levels

Annex 1. CALP agenda



THE MAIN OBJECTIVES OF THE 10TH ANNIVERSARY CALP ARE:



Promoting leadership as a tool for cooperation and innovations in sustainable development



Highlighting importance of youth in upbringing change in the societies on environment and sustainable development in Central Asia



Presenting an important role of the water diplomacy with emphasis on gender-sensitive negotiation and mediation skills



Sharing experience, best practices, achievements and success stories on leadership and sustainable development by the CALP alumni



Demonstration of youth role and opportunities to strengthen regional cooperation in Central Asia



Preparing the future decision-makers who will be at the forefront of global efforts towards a more sustainable future



Promoting youth role in cooperation with business to address environmental and development challenges



CALP PRINCIPLES:



Thinking globally, acting locally, managing regionally



Transparency through the use of electronic application system and selecting participants by selection committee members from all 6 countries



Eco-friendliness – paperless approach through the use of a special web application: <http://calp.carececo.org/mobile/> with access to all event's documents



Online learning – welcome notes and keynote presentations by international experts via video-conferencing



Openness – partners from international organizations and the private sector moderate CALP thematic sessions



Back-to-back events – holding several parallel events at once: 10th CALP, the OSCE Training on water diplomacy with emphasis on gender-sensitive negotiation and mediation skills, media training on climate change and water management issues

8.2. Partners and donors: multilateral and intersectoral approach

In 2019 traditionally the CALP was supported by the following international partners: UN Environment; the OSCE Programme Office in Nur Sultan, the United States Agency for International Development (USAID); the World Bank and the European Union. Also, the new partners joined to this Leadership Initiative: the OSCE Secretariat in Vienna; the Ministry of Foreign Affairs of Finland, the Stockholm International Water Institute (SIWI) and the OSCE Programme Office in Dushanbe. Moreover, representatives of Kazakh-German University (DKU), the Swiss Agency for Development and Cooperation (SDC) and the UNESCO Cluster Office in Central Asia, supporting such priority areas as water resources management, regional water cooperation and education for sustainable development, took part in the 10th CALP.

Engagement of new partners to the initiative proves the growing recognition by the international and donor community of the CALP as a tool for regional cooperation and capacity building of young leaders.



Сессия 1: Церемония открытия

Фасилитатор – г-жа **Евгения Постнова**, НПО «Акимена», Кыргызстан

Модератор: г-н **Зафар Махмудов**, Исполнительный директор, Региональный экологический центр Центральной Азии (РЭЦЦА)

Спикеры:



Зафар Махмудов
Исполнительный директор
РЭЦЦА



Томас Гремингер
Генеральный секретарь
OSCE



Зулфухар Жолдасов
Председатель Комитета
экологического
регулирования и контроля
Министерства экологии,
геологии и природных ресурсов Казахстана



Дьердь Сабо
Посол, Глава
Программный офис OSCE в
Нур-Султане



Рабаб Шамиле
Специалист по
окружающей среде и
природным ресурсам
Отдел экономического
развития, USAID / Центральная
Азия



Манон Кассара
Консультант по
управлению водными
ресурсами, Специалист по
международным водам
Всемирный банк



Андре Верли
Региональный советник
Швейцария



Олжас Атымтаев
Национальный
программный сотрудник
Программы ООН по
окружающей среде, Офис по
Центральной Азии



Барбара Януш-Павлетта
Проректор по
международному
сотрудничеству и связям с
общественностью
Казанско-Немецкий университет



Лина Бенете
Руководитель отдела
образования
UNESCO

During the 10th CALP, CAREC tried to involve more partner organizations to moderate thematic sessions on such topics as innovations, start-ups, water cooperation, water diplomacy, gender equality, climate change, energy efficiency, Post-Paris process, Nexus approach, waste management, etc.



To increase the ability of participants to absorb and process large amount of information during trainings, the regular morning yoga and breathing exercises have been organized. In the later feedback, leaders mentioned that the provided exercises were very useful and helped them cope with a large informational and mental load.



In order to combine financial and intellectual resources, efforts and expertise, a series of different anniversary events have been conducted under the auspices of the CALP:

- ☑ 10th Anniversary CALP, September 16-22
- ☑ Regional training on water diplomacy with a special emphasis on negotiation skills and mediation, taking into account the OSCE-SIWI gender factors, September 23-25
- ☑ Training on climate change and water at the Kazakh-German University, September 26 -28

8.3. Speakers and lecturers

The 10th Anniversary CALP in 2019 was unique in terms of number of participants and high level representation of international, regional, national and local speakers: more than 70 partners from international, regional organizations, state bodies of the countries of Central Asia and Afghanistan, public organizations, scientists, environmental activists, eco-bloggers, and environmental leaders of the CA region took part as speakers of the 10th CALP.

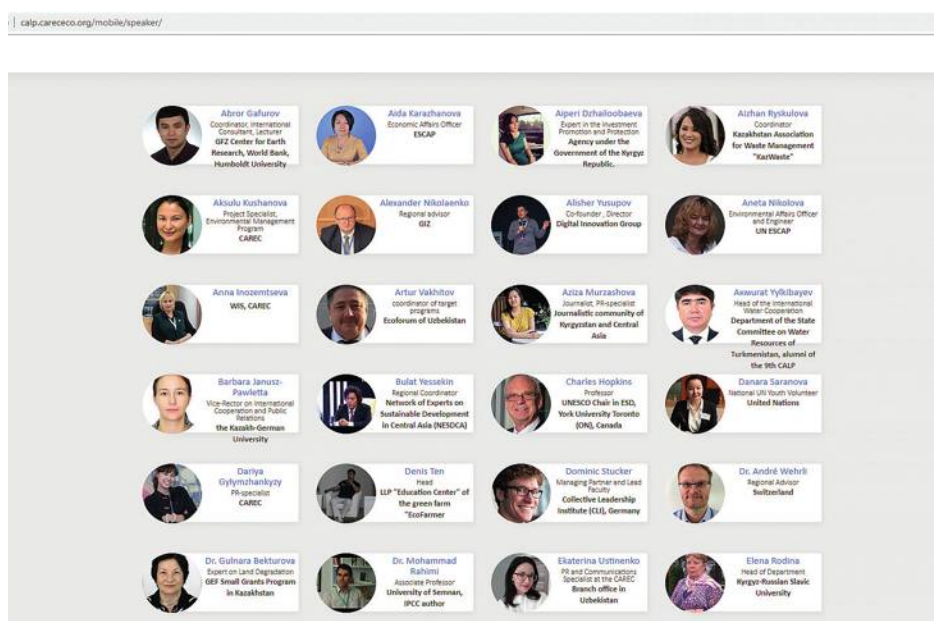
Annex 2. List of speakers.

On September 16, the opening ceremony of the 10th CALP was moderated by **Mr. Zafar Makhmudov**, CAREC Executive Director and was attended by high-level international partners: **Mr. Thomas Greminger**, OSCE Secretary General, Ambassador (video-conference); **Mr. Gyorgy Szabo**, Ambassador, Head of the OSCE Programme Office in Nur-Sultan; **Ms. Rabab Shamayleh**, Environment and Natural Resources Specialist, Economic Development Division, USAID Central Asia; **Ms. Manon Cassara**, Water Management Consultant, World Bank; **Dr. André Wehrli**, Swiss Regional Advisor on Water Resources in Central Asia; **Mr. Olzhas Atymtaev**, National Program Officer, United Nations Environment, Central Asia Office; **Dr. Barbara Janusz-Pawletta**, Vice-Rector of Kazakh-German University and **Ms. Lina Benete**, Head of Education at the UNESCO Cluster Office in Almaty.

Equally important for the success of the 10th Anniversary CALP was participation of the prominent politicians, decision-makers, members of the CAREC Board of Governors and the Public Advisory Council, representatives of state organizations and environmental leaders of the Central Asian region and Afghanistan. The keynote presentations in this session were made by **Mr. Zulfukhar Zholdasov**, Chairman of the Committee for Environmental Regulation and Control of the Ministry of Ecology, Geology and Natural Resources of Kazakhstan; **Mr. Khairullo Ibodzoda**, Ambassador of the Republic of Tajikistan to Kazakhstan; **Mr. Idrees Malyar**, Deputy Director General of the National Environmental Agency of the Islamic Republic of Afghanistan (NEPA); **Mr. Sagit Ibatullin**, Professor, Academy of Agricultural Sciences of Kazakhstan; **Ms. Kuralay Karibayeva**, Director of the Institute for Sustainable Development, member of the CAREC Board; **Mr. Bulat Yessekin**, Regional Coordinator, Network of Experts on Sustainable Development in Central Asia (NESDCA), **Ms. Kaisha Atakhanova**, Director of the Partnership for Innovation Program, ARGO Regional Programs.



Well-known environmental leaders, NGO representatives, eco-activists and eco-bloggers of the Central Asian region took part in the CALP as speakers: Mr. Vadim Nee, Ms. Yelena Yerkovich, Mr. Timur Idrisov, Ms. Vera Mustafina, Mr. Arthur Vakhitov, Ms. Maria Genina, Mr. Mikhail Belyakov, Mr. Denis Ten, Ms. Pakizat Saylaubekova.



Participation of representatives of international, donor organizations, academic sector, NGOs and environmental leaders of Central Asia and Afghanistan as partners and key speakers of the 10th Anniversary CALP demonstrated success, acknowledgement and importance of the Leadership Programme, as well as the importance of joining partners' efforts and resources in implementation of regional projects in the Central Asian region.



8.4. Participants

To participate in the 10th CALP, applicants were required to apply via online platform <http://calp.carececo.org/> within 3,5 months from March 1 to June 10. The selection of participants was carried out on the basis of the developed selection criteria in consultation with partners from the OSCE Secretariat in Vienna and OSCE Programme Office in Nur-Sultan and national partners. As a result, representatives of state bodies of the countries of Central Asia and Afghanistan made up more than 50% of the participants and represented various government ministries and departments – foreign affairs, environmental protection, water resources, energy, finances. In total, 37 specialists from the CA countries and Afghanistan, representing the state, non-governmental, academic, international and media sectors, including CAREC staff and interns.

Annex 3. List of participants.

8.5. Contribution to regional cooperation.

As noted above, a successful implementation of the CA Leadership Programme and the OSCE Training on water diplomacy largely depended on the interest and commitment of the young CA regional leaders, and their willingness to promote new solutions to address climate change, ensure energy efficiency and effective water management in the region.

The important elements promoting the regional cooperation in Central Asia include:

- ☑ promoting the interests and needs of the region at global scale - developing and presenting a common regional vision;
- ☑ providing a platform for exchange of information, lessons learned, innovative technologies;
- ☑ expansion of interdepartmental dialogue between ministries and agencies of CA countries on environmental protection and sustainable development;

- ☑ establishing cooperation, forming multi-partner initiatives and expanding their scope;
- ☑ harmonization of environmental standards at the regional level;
- ☑ strengthening partnerships between governments and the private, public and business sectors on environmental issues and sustainable development.

From the very first days of the work in the field of environment and sustainable development, Central Asian youth should promote the spirit of regional cooperation and be oriented towards mutually beneficial partnership and search for joint solutions to address transboundary environmental problems of the region. It is the key aspect that formed the basis for the development of the CALP agenda and its thematic sessions.

Participants from Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan and Afghanistan gained access to global, regional and national innovative knowledge and practices, were able to exchange experiences and best practices in the field of environmental protection, water management, water diplomacy, climate change and energy efficiency, gender, water-food-energy nexus and green innovations.

8.5. Thematic content of the 10th CALP

Day 1: September 16, 2019 the Opening session was led by **Mr. Zafar Makhmudov**, CAREC Executive Director, who welcomed the CALP participants, highlighting that:

“The Leadership programme is needed to encourage new professionals. Today, the graduates of the CALP make significant contributions to promoting regional cooperation and sustainability in various sectors throughout the region”.



Further, **Mr. Thomas Greminger**,

OSCE Secretary General greeted the participants of the 10th Anniversary CALP through the video conference. In his speech he noted the achievements of the CALP and its synergy with the goals and objectives of OSCE, especially in the field of cooperation on water resources management.



The Plenary session of the partners and donors, moderated by CAREC Executive Director **Mr. Zafar Makhmudov**, was held in the form of a “talk show”, answering the following key questions:

- ☑ Expectations of partners and donors from the participants of the 10th CALP and members of the CALP Alumni Network;
- ☑ The role of leaders in promoting innovations in Central Asia;
- ☑ What kind of skills and competencies should possess the leaders of the XXI century?



Mr. Zulfukhar Zholdasov, Chairman of the Committee for Environmental Regulation and Control of the Ministry of Ecology, Geology and Natural Resources of the Republic of Kazakhstan, Chairman of the CAREC Board, noted:

“2019 was declared as the Year of Youth, and environmental leadership is very important for the future of the country. With regard to development of the new Environmental Code of Kazakhstan, the expert potential of young specialists will be in demand. Every year Kazakhstan builds up the potential of “green” financing and “green” investments, which means that the country needs qualified specialist to implement the new ideas and principles”.



Mr. Gyorgy Szabo, Ambassador, Head of the OSCE Programme Office in Nur-Sultan expressed his commitment to environmental leadership and stressed that he was pleased to personally represent the OSCE at the Anniversary CALP and congratulated CAREC staff on the results achieved. He emphasized that despite of the fact that we all live in different countries, nature recognize no borders, and all environmental problems of the region must be addressed all together.



“The approach to solving problems should be comprehensive. You need to understand that today’s Leadership programme participants might become those who will be responsible for making sustainable environmental decisions in their respective countries”.



"The Central Asian leadership program is a great opportunity for young Central Asian leaders to come together and engage in the discussions of environmental issues to address future challenges facing the region."



Ms. Rabab Shamayle, General Development Officer (Energy) in the Department of Economic Development, USAID Central Asia, highlighted the USAID program goals in the fields of environment and water cooperation in the region, and drew particular attention to the USAID's Smart Waters, which is currently implemented by CAREC in Central Asia and Afghanistan.



Ms. Manon Kassara, World Bank, noted the importance of regional cooperation in Central Asia on the environment, climate change and energy efficiency issues and highlighted the important mission and the role of young leaders. She gave a creative definition to the leadership saying that great leader can lift others or raise potential and lead them along the way.

Mr. André Wehrli,

Swiss Agency for Development and Cooperation (SDC), mentioned that the Blue Peace Initiative is a Switzerland's long-term contribution to sustainable development of the Central Asian region and to strengthening partnerships and cooperation in the region.



Mr. Olzhas Atymtaev,

National Program Officer of the UN Environment office in Central Asia, encouraged participants to learn from each other and use the valuable knowledge and other educational resources of UN.

Ms. Barbara Janusz-Pavletta, Vice-Rector for International Cooperation and Public Relations of the Kazakh-German University, mentioned about the success of Master's programme in Integrated Water Resources Management (www.dku.kz) and expressed gratitude to CAREC for long-standing cooperation in capacity building of environmental leaders, especially on water-related issues.





Ms. Lina Benete, an education specialist at the UNESCO Cluster Office in Central Asia, clarified a range of competencies that modern leaders should acquire, including the ability to learn new things and be prepared for changes. One of the SDGs targets quality education, in this regard the UNESCO Cluster Office in Central Asia considers education as a tool to achieve the SDGs.

Afterwards, a special session was run by the *Organizing Committee of the CALP Alumni Network*, which was opened by a presentation of the former CALP Organizing Committee members, followed by the handing over ceremony to the new Organizing Committee members.



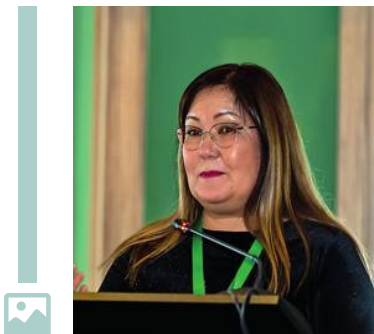
SESSION 2: Leadership

The purpose of the session, organized in the format of video greetings and presentations from the global and regional leaders, was to demonstrate the inspirational leadership stories to the participants of the 10th CALP. The session moderator, **Mr. Henry Wyes**, CAREC consultant, noted that environmental leadership emerges in response to challenges related to ecosystem dysfunction, pollution and other environmental problems, and urged participants to pay a special attention to climate change issues.

“Leadership largely depends on what you feel in your heart and what you do in your daily life. Sometimes small things are very important, and I find it is extremely important for leaders to transform their knowledge into discussions with the audience you are talking to...”



The session was continued by an inspiring video presentation by **Ms. Olga Algayerova**, Executive Director of the UNECE, in which she encourages leaders to develop and increase their competences, be brave and become a part of the global environmental movement.



Ms. Kaysha Atakhanova, director of the Partnership for Innovation program and the regional programs of the "ARGO" and winner of the Goldman International Environmental Award (2005), shared her leadership story with participants, noting that issues of regional cooperation have been and remain the most relevant, especially initiatives on democratization of water resources management.

A video presentation by **Professor Charles Hopkins**, York University, Toronto, Canada, Head of the UNESCO Chair of ESD, highlighted the global ESD processes, the role of ESD in reaching SDGs and the importance of developing leadership skills and competencies for sustainable development among the younger generation.



The purpose of **SESSION 3 "Today's Central Asian Environmental Leaders: Achievements, Lessons, and Challenges"**

was to demonstrate the inspirational leadership examples to the 10th CALP participants. **Mr. Idrees Malyar**, CALP graduate, Deputy Director General for Politics and International Affairs of the National Agency for National Environmental Protection Agency of Afghanistan (NEPA), talked about his career path with a detailed analysis of the key success factors. Mr. Malyar's speech inspired many participants who could develop a fresh look at the opportunities around and strengthened their belief in themselves.

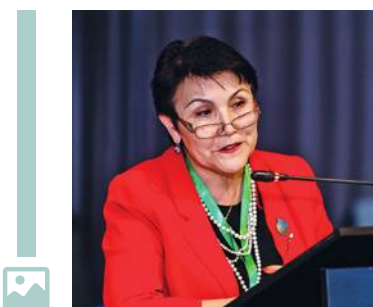


Mr. Khairullo Ibodzoda, Ambassador Extraordinary and Plenipotentiary of Tajikistan to Kazakhstan, emphasized the role of transboundary and intersectoral cooperation in the Central Asian region, which young leaders can carry out in various fields and in many areas, increasing the potential for interconnections at all levels of natural resource management and addressing environmental challenges.



Mr. Bulat Yessekin, expert on sustainable development, Vice-Chairman of the CAREC Public Advisory Council, highlighted some of the theoretical foundations of sustainable development concept, including the reports of the Club of Rome (limits of growth), V.G. Gorshkov (Theory of Biotic Regulation) and the need to constantly build capacities of young leaders.

Ms. Elena Rodina, professor of the Kyrgyz-Slavic University, member of the CAREC Public Advisory Council, noted that it is important for the leaders to adhere to the concept of lifelong learning. According to scientists' predictions, 2019 - 2025 will be years of reduced flow of water in Central Asia, therefore, without green development and sustainable energy conservation it will be difficult for countries to get out of the water and energy "dead end".



Ms. Kuralay Karibayeva, Director of the Institute for Sustainable Development, member of the CAREC Board, underlined importance of having teachers and mentors who navigate young leaders along their academic and professional endeavors. She also told about interesting facts from the history of CAREC establishment and difficulties in addressing the environmental problems of the region.



Bright success stories and memorable discussions from well-known environmental leaders served as inspiration for the participants of the CALP and the OSCE Training.

The agenda of the 10th Anniversary CALP included several innovative, practically oriented sessions. The keynote speaker of the **SESSION 4 "Collective Change Management: A Compass for Revitalizing Travel"** was **Mr. Dominic Stucker**, CLI (Germany). His session started with a discussion of the question "How can we, leaders, develop our own potential and create opportunities for cooperation in order to make a worthy contribution to the implementation of the SDGs?".



"The environmental challenges like climate change or desertification or water management are common for all Central Asian countries. Desertification doesn't need a visa to go from one country to the next. And so, I think the real strength of the CALP is the regional focus".





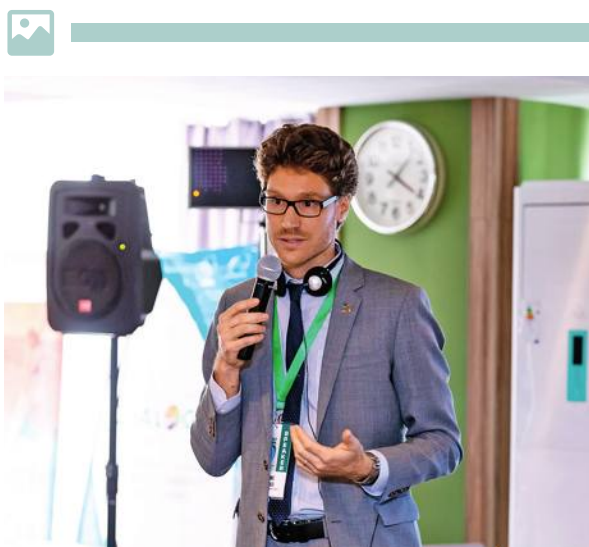
Success stories of the CALP leaders by PR-specialist. In the framework of the final session of the CALP first day, **Ms. Dariya Gylymzhankyzy**, a graduate of the 2nd CALP, a PR specialist of the CALP and the OSCE Training, presented the results of the survey held among the CALP Alumni Network. She talked about the networking aspects, achievements, expectations and plans for future, and presented a newsletter with inspirational and motivating success stories of the graduates of the CALP.

The second day of the CALP on September 17 was opened by the **SESSION 5: Global processes and platforms for cooperation in the field of environment and sustainable development**. **Mr. Olzhas Atymtayev**, National Program Officer of the UN Environment (Office for Central Asia), described the principles, goals and directions of UNEP's work, highlighted the issues of the Agenda-2030, the SDGs, and activities in Central Asia.



In the video presentation made by **Mr. Zaal Lomtadze**, Head of the Section of the UNECE Environment Division, various aspects of the sustainable development process in the European Region were presented using the "Environment for Europe (EfE)" process as an example. He also stressed the role of youth in holding environmental campaigns and activities ("Clean Air in Batumi", etc.).

The need for collective efforts by young people to tackle environmental issues was also highlighted by **Mr. Dominic Stucker**, CLI, Germany. Having described in details the process and components of the SDGs implementation process, he spoke about the mechanisms of collective leadership for their implementation. During the discussion, Mr. Stucker explained how positive changes can be promoted, and presented examples of public campaigns on water issues, etc.





This was followed by a video presentation by **Ms. Aneta Nikolova**, a UN ESCAP staff member, who, during the presentation, presented the examples of system-thinking and integrating the SDGs into national planning in the context of the Agenda-2030.

The session was concluded by a video presentation made by **Ms. Jamal Annagylyjova**, Coordinator for Central and Eastern Europe in the Secretariat of the UN Convention to Combat Desertification, who spoke about the global challenges of land degradation in the region and the world, and the role of the UN Convention to Combat desertification. She demonstrated by practical examples how “green” development can prevent drought and sandstorms in Central Asia.



SESSION 6 “Central Asia: Initiatives, Processes, Approaches” was organized and moderated by **Dr. Henry Wytes**. The work of the session proceeded in the form of a panel discussion, to which the following speakers were invited as panelists:



Dr. André Wehrli, Swiss Agency for Development and Cooperation (SDC) comprehensively described the goals, objectives and the main components of the Swiss Blue Peace Initiative, which put great emphasis on transboundary watercourses. One of the components of the initiative include research and measurement, which is of particular importance with regard to glaciers in Kyrgyzstan and Tajikistan. Mr. Wehrli also described the financial mechanism of the Blue Peace initiative and the process of its implementation in Central Asia.

Mr. Alexander Nikolayenko, Regional Advisor to GIZ, explained the key milestones of the Berlin process for supporting water management in Central Asia and encouraged participants to study the materials available through the website on Transboundary Water Management in Central Asia www.waterca.org, including the Central Asia Water project database and online tools (calculation of river flow volumes, etc.).





Ms. Firuza Hojjeva, representative of the OSCE Programme Office in Dushanbe presented the OSCE initiatives on “green” economy in Tajikistan, including the activities done to improve environmental legislation, environmental education and the implementation of the Aarhus Convention. The expert noted that OSCE promotes implementation of “green” economy principles in the country through increasing the capacity of civil servants, disseminating information and practical trainings (mainly on sustainable agriculture) via the Aarhus Centres.

Mr. Marat Narbayev, Deputy Director, Executive Commission of the International Fund for Saving the Aral Sea (IFAS) in Kazakhstan made a presentation on dust and salt storms in the Aral Sea region, research being done in this field. He also showed some of space images illustrating the direction of storm flows and photos of the Kokaral dam, which helped to preserve the North Aral Sea. The expert also explained the “Green” belt of projects aimed at preventing salt transfer from the bottom of the Aral Sea, combating degradation and restoring the ecosystem.



Mr. Sagit Ibatullin, an expert on water issues at the Academy of Sciences of Kazakhstan, informed the leaders about the problems of forming the region’s water sector and noted that there are no serious conflicts between the countries of the upper and lower regions of Central Asia - there are only disputes on certain issues. The problems of outdated infrastructure and the shortage of qualified specialists and water engineers in the field of water management are still relevant for the Central Asian countries.

Mr. Jalil Buzrukov, Head of the Tajik branch of SIC ICSD presented the evolution of the Regional Environmental Program for Sustainable Development (REP for SD) and its importance both in the light of the accumulated experience of regional cooperation and the expertise built up within the established network of experts in the region. Mr. Buzrukov drew a special attention to the fact that in 2014 the ICSD decided to update the program thanks to the methodological support from GIZ, the process got a new start.





Ms. Meirgul Alpysbayeva, representative of the UNESCO Cluster Office in Central Asia, made the presentation on Education for Sustainable Development as a tool for achieving the SDGs in Central Asia, in which she noted the role of ESD in introducing key competencies into the education sector. Today it is important not only to transfer knowledge, but also to develop practical skills and competencies. One of the

key competencies of ESD is a “teamwork competency” where an education component is ensured in each SDG.

The SESSION 6 “Central Asia: Initiatives, Processes, Approaches” was moderated by **Ms. Yekaterina Strikeleva**, Manager of CAREC’s Water Initiatives Support program and organized in the form of a panel discussion with participation of 6 speakers from public and academic sectors working on the issues of green approaches in education, raising public awareness, youth, media, urbanization and agriculture.



Mr. Vadim Nee, Chairman of the Ecoforum of NGOs of Kazakhstan, highlighted a number of environmental initiatives taken by civil society organizations in Central Asia and trends for its further development. He encouraged young leaders to seek to gain work experience in the NGO sector, and demonstrated eco-cartoons created by junior specialists of the electronic newsletter “Living Asia”.

Ms. Yelena Yerzakovich, Director of the “Velo-friends Foundation” (Kazakhstan) made a presentation on sustainable modes of transport, innovations and challenges of urban mobility and revealed the difficulties in implementing this initiative based on the example of Almaty city and mentioned some of international benchmarking best practices.





The presentations were continued by **Ms. Yekaterina Strikeleva**, CAREC, who presented CAREC's activities in Central Asia, its goals, objectives, regional initiatives and platform such as CAIEF, CACCC, CALP and highlighted youth projects, programs and initiatives.

Ms. Galiya Nurmukhanbetova, Associate professor of the International IT-University from Kazakhstan, revealed the meaning of such concepts as “sustainable lifestyle”, “collaborative consumption”, “happy life index”, etc. The expert drew attention of the participants to the indicators system such as “ecological footprint” (indicator of environmental consumption and environmental impact). The speaker also shared information about the Living Planet index, Human Development Index, Happiness Index, Happy Planet Index (does not include GDP) and many others.



Ms. Maria Genina, sustainable development expert, talked about different types of environmental settlements, giving an example of the Almarai eco-settlement in the Almaty region and invited participants to visit the eco-settlement as part of the field visit with the support of the OSCE Programme Office in Nur Sultan, and get introduced with various resource-saving technologies.

The panel discussion was concluded by the presentation of **Mr. Mikhail Belyakov**, eco-activist and eco-blogger and the winner of the Dmitry Tereshkevich Central Asian Youth Environmental Prize. He talked about the ways to live more eco-friendly lifestyle by organizing different eco-events such as clean up campaigns, community work days, fairs, youth meetings, etc.



SESSION 7 “Business and Environment - innovations, start-ups and green development” was opened by moderator Ms. Tatiana Shakirova, Manager of CAREC's Education for Sustainable Development program.

Mr. Alisher Yusupov, IT entrepreneur, the co-founder of Startup Mix from Uzbekistan, made a presentation on the role of digital development in the startup ecosystem: artificial intelligence, blockchain, data in green startups and shared the practical examples

of the use of artificial intelligence and blockchains in the world. Participants discussed various definitions of startups, their development prospects in Central Asia, especially in such areas as agrobusiness, energy, green technologies, and water issues. In this regard, the leadership role of the STEAM disciplines (science, technologies, engineering, art, mathematics) was particularly noted.



Ms. Saida Yusupova, Director of the “Green Business Innovation” organization in Uzbekistan, explained the SDGs in terms of innovations and business opportunities, providing the examples of green business, women leadership, environmental initiatives and startups on ground (drip irrigation, etc.). The speaker introduced the concept of “Startup - Ecosystem”, which is becoming more widespread, and shared the examples of several inspiring environmental startups from different countries (Israel, Switzerland, etc.) and encouraged leaders to develop the following top 10 skills:



- ☑ **complex problem solving**
- ☑ **critical thinking**
- ☑ **creativity**
- ☑ **people management**
- ☑ **ensuring coordination**
- ☑ **emotional intelligence**
- ☑ **formation of judgments**
- ☑ **design thinking**
- ☑ **service-orientation**
- ☑ **leadership**

At the end of the day, the Organization Committee of the CALP Alumni network organized an eco-game as part of team building process. The game was led by **Mr. Hemra Atabaev** in the form of the famous intellectual game show “WHAT, WHERE, WHEN?”. This kind of informal meet ups contribute to creating a warm and friendly environment in the teams.



The SESSION 8 “Promotion of green innovations, start-ups and principles of a green economy in Central Asia and opportunities for regional cooperation”

opened the third day of the CALP on September 18. As an introduction, the modera-



tor of the session, **Mr. Rati Japaridze**, Economic and Environmental Affairs Officer at the OSCE Programme Office in Nur-Sultan, presented the OSCE mission, the organization’s mandate and activities of the programme office in Nur Sultan with a special focus on the environmental dimension. In terms of environmental issues, Mr. Japaridze highlighted some of key topics promoted and supported by the OSCE in Kazakhstan: green growth, sustainable development, the Paris Agreement, waste management; environmental legislation; integrated water resources management and promotion of international environmental conventions.

This was followed by the presentation of the next speaker **Ms. Yelena Shevchenko**, Director of the Analytical Center for Innovation, JSC “Kazakhstan Industry and Export Center”. She explained the concept of innovation, the existing climate and water startups in Kazakhstan, fundraising opportunities and the ways to support entrepreneurship through grants, investments in high-risk projects “Business Angel”, etc. The speaker demonstrated a video film “Astana science festival ” and the Climate Launch-Pad contest as an opportunity to learn how to develop a project from idea generation to implementation.



“We must believe and count on young people, as they are actually those who be living in future, and their role is very important for the society.”

Ms. Saida Yusupova, LLP “Innovation for Green Business” told about existing water and climate acceleration programs in Uzbekistan, and made specific recommendations for development of green startups through participation in a business accelerator. The demo video showed the success stories of specific young people who could promote their innovations and participate in various international competitions. The theme of startup promotion was continued by **Mr. Alisher Yussupov**, an IT technology entrepreneur in Uzbekistan, who revealed the secrets of successful marketing technologies.

Moderator **Mr. Rustam Issakhoyev**, CAREC Environmental Management Programme Specialist, opened the **SESSION 9 “Interlinking Water, Energy, Food Security and Ecosystem Conservation: the NEXUS approach”**, with the video introduction by EU

expert **Dr. Oliver Cogels** on the «NEXUS approach in natural resource management, highlighting the global context of the initiative and proposed solutions. The speaker gave insights to the Nexus topic in a global context, providing real examples and statistics from different countries.



Ms. Aida Karazhanova, Economic Specialist, Sustainable Cities Department, Ecology and Development Department of UN ESCAP made a video presentation where she discussed the opportunities to apply the Nexus approach in Central Asia and shared implementation plans and expected results of the initiative, with particular emphasis on possible investment projects in the region.



The next presentations by **Mr. Rustam Issakhov** and **Ms. Aksulu Kushanova**, experts of the European Union's NEXUS project, CAREC, revealed the history of the NEXUS concept and explained the meaning of this approach. **Ms. Aksulu Kushanova** focused on the practical implementation of the NEXUS approach and shared examples from Central Asia: development of guidelines for the use of reservoirs in Tajikistan and the project for the restoration of sardobes (traditional fresh water storage in Turkmenistan and other countries of the region).

To consolidate the information received, the participants were offered to play **the NEXUS business game** which focused on water, energy and food management. The young leaders were divided into 3 groups with distribution of specific roles. Through consistent decision-making techniques they learned how to analyze natural and social consequences of environmental issues in the game context.

During the **SESSION 10 “Analytics for Leaders: Opportunities, Tools, and Key Aspects,”** **Mr. Alisher Yusupov** spoke about design thinking as a tool for testing startup ideas and data analysis. The expert presented examples of famous companies (Apple and others) that invest in design thinking. There are two design thinking laboratories in Kazakhstan, and one of their project targeted Almaty to make it greener and more eco-friendly city.



The **SESSION 10** was continued by **Mr. Dominic Stucker**, who drew the attention of the participants to the **concept of “Collective leadership”**, which is at first glance is contradictory, but inherently innovative, modern and demanded. *“A leader is one who never rests on his laurels and constantly improves themselves,”* said the speaker. After discussion with the audience and working out key concepts, the expert suggested to divide in three groups in order to analyze collective leadership in the developing ecosystem of cooperation for environmental protection of Central Asia.

Day 4: September 19, 2019 was opened by the greeting of the moderator of the **SESSION 11 “IWRM: Aspects, Approaches, Innovations, Practice”** **Mr. Bulat Yesekin**, Sustainable Development Expert, Vice-Chairman of the CAREC Public Advisory Council.



The first speaker was **Mr. Ak-murat Yilkibayev**, representative of the Water Committee of Turkmenistan, who presented the country's priorities in the field of sustainable development and in water sector. He paid special attention to the experience he gained during his participation in the 9th CALP in 2018 and how this experience helped him to achieve more significant results in the work of the Water Committee.

This was followed by a presentation of **Ms. Yekaterina Strikeleva** on integrated water resources management (IWRM), its approaches and principles. The speaker revealed the specifics of the institutional aspects of IWRM, giving examples of the water legislation in Central Asia. **Ms. Strikeleva** paid particular attention to the gender aspects of water management and participation of women in decision-making process related to water resources.

Ms. Anna Inozemtseva, Deputy Chief of Party of the USAID's Smart Waters project, CAREC, shared a methodology for creating and supporting the functioning of small basin councils (SBC) with a specific focus on institutional aspects. The role of SBCs in co-operation on transboundary rivers is valuable, therefore, in 2008 CAREC initiated a dialogue with the countries of the region in order to identify the small rivers where SBCs could be established. She also explained the basin councils' activities, composition and functions based on the CAREC's experience in this field.



Presentations of **Ms. Resida Erdman** and **Ms. Ekaterina Ustinenko** provided the CALP participants with the opportunities to learn from the unique experience of the UzWaterAware project team of the European Union and CAREC in raising water awareness, with a special emphasis on the rural areas of Uzbekistan, which helps to strengthen partnerships between government agencies, NGOs and media. The use of modern graphic techniques helps to reach a wide audience and increase environmental awareness.

At the end of the session, **Ms. Shynar Sarikenova**, CAREC Water Initiatives Support Programme, made a presentation on the environmental aspects and water quality in a transboundary context, showing examples of joint monitoring on the Chu and Talas rivers. From 2016 to 2018, as part of the project supported by the UNECE and the Finnish government, it became possible to build multilateral cooperation, including the hydrometeorological services of the Central Asian countries, and to prepare a number of analytical documents.

The SESSION 12 “Water Diplomacy: Regional Cooperation in Water Management” continued the day. Moderator **Ms. Anna Inozemtseva** made a comprehensive introduction to the topic of the session and introduced experts. **Mr. Alexander Nikolayenko**, Regional Advisor to the GIZ, presented the Transboundary Water Management Programme in Central Asia from a historical perspective, revealed the various stages of the negotiation process on sustainable water management, and the goals of creating various interstate commissions and their work.



Ms. Yekaterina Strikeleva informed the CALP participants about CAREC's water diplomacy principles and approaches based on best practices and 11 years of CAREC experience in this field. Currently CAREC introduces a basin management approach in Afghanistan and helps organizing joint meetings of local basin councils to improve water diplomacy at the local level. CAREC facilitates coordination between Central Asian countries as well as assists in joining efforts and developing regional vision. Additionally, participation of delegations from Central Asian countries and Afghanistan at the Water Week and the World Water Forum allows them to get involved in the international processes and receive funding opportunities to solve problems.

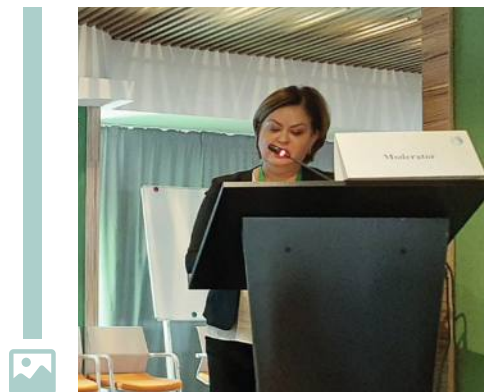


Ms. Lyazzat Syrlybayeva, Regional Coordinator, Central Asian Youth Water Network (CAY4W) highlighted the role of youth in strengthening regional cooperation in Central Asia and Afghanistan. After signing the Berlin process in 2018, a special Master's programme was created at the Kazakh-German University. Later on the

graduates of the programme established the new organization called “Central Asian Youth for Water”.

The session concluded with a presentation by **Mr. Dominic Stucker**, who introduced the results of the case study on cooperation in the Khojabakirgan Sai transboundary basin (Kyrgyzstan and Tajikistan) together with the International Water Management Institute (IWMI). This basin is located near the Isfara Sai basin, and the case study took into account climate change forecasting and the NEXUS approach.

The SESSION 13 “Climate change at the global level”, moderated by **Ms. Irina**



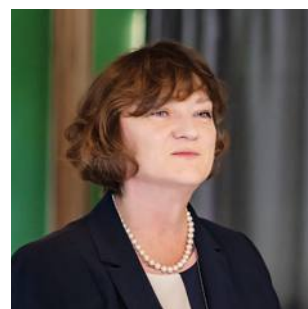
Bekmirzayeva, CAREC Manager of the “Climate Change and Sustainable Energy” Programme, highlighted the key factors of climate change, its consequences and required measures for global decision-making in this filed.

Ms. Olga Pilifosova, Manager of the Adaptation Program (UNFCCC Secretariat) informed about the activities under the UN Framework Convention on Climate Change and the Paris Agreement on Climate Change. In 2015 the Paris Agreement was signed. Not a single

problem in the history of mankind has brought together so many state leaders as the problem of climate change voiced in Paris. The Paris Agreement is an agreement under the UN Framework Convention on Climate Change which regulates the measures to reduce carbon dioxide in the atmosphere since 2020. The participating countries



*“When I started my leadership path, we lacked such capacity building programs, and we had to go through everything by our own, which took much more time”
(Olga Pilifosova, Manager of Adaptation Program, UNFCCC Secretariat).*



set their nationally determined contributions (NDCs) to achieve the declared common goals, and review them once every five years.



The discussion was followed by the **video presentation of Dr. Yuba Sokona**, IPCC Vice-Chair, on the key messages from the IPCC Fifth Assessment Report and special reports on global warming of 1.5°C, as well as on climate change and land issues.

Further the video “Climate Change in Central Asia” was presented to the

participants, demonstrating the impact of climate change on the key sectors of the region. Then, **Ms. Irina Bekmirzayeva** presented the Climate Adaptation and Mitigation Program for Aral Sea Basin (CAMP4ASB), currently being implemented in Central Asia in 2017-2021 with the support of the World Bank, with particular focus on the regional component of the program implemented by CAREC in cooperation with IFAS.



Dr. Abror Gafurov, representative of the German Center for the Earth Research (GFZ), presented an assessment of the impact of climate change on hydrological processes and glaciers in Central Asia. The report contained various maps, diagrams and graphics that clearly illustrate the changes that occur with temperature, precipitation and other climatic indicators over the past 20 years or more.

Ms. Zhanna Babagalieva, CAREC Specialist, Climate Change and Sustainable Energy, presented the results and recommendations of meteorological and hydrological modelling carried out as a part of the CAMP4ASB project.

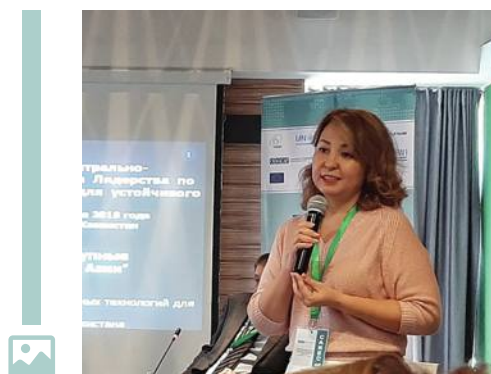


Interesting data from the *ZOI Ecological Network* was presented during a video presentation of **Mr. Viktor Novikov**, who drew attention to the role of science in decision-making on the examples of EU legislative initiatives on climate change issues. The expert's report included a lot of valuable cartographic information both at the national and regional levels.



Mr. Vadim Nee, Chairman of the Coordinating Council of the Eco Forum of NGOs of Kazakhstan, presented innovations, best practices, examples and activities with youth, as well as shared the experience of establishing and further work within the Regional Network of Public Organizations on Climate Change under the World Bank's CAMP4ASB project.

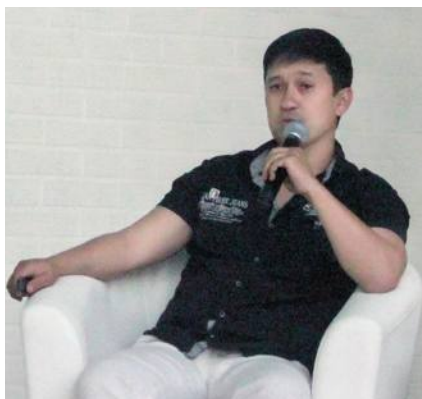
Day 5 of the CALP on September 20, 2019 was launched with the **SESSION 15 "Climate-Resilient, Agricultural Technologies"**. Introduction to the topic was made by moderator **Ms. Saltanat Zhakenova**, specialist of the CAREC "Climate Change and Sustainable Energy" Programme. She stressed that the water and agricultural sectors are the most vulnerable to climate change.





Mr. Artur Vakhitov, Project Coordinator for the Ecoforum of NGOs in Uzbekistan, Regional Coordinator of the GEF Civil Society Network for Eastern Europe and Central Asia (EECA) Region, shared his experience in the field of eco-technologies. The video “*Best Practices and Available Technologies for Central Asia*” was demonstrated based on the example of the Humsan mountain village in Uzbekistan, where one can see how biogas plants, solar technology, planting drought-resistant crops (nuts, almonds, etc.) can be used to protect against mudflows. After the video, **Dr. Vakhitov** mentioned the initiatives of regional NGOs to disseminate accessible green technologies, including effective, inexpensive watering from available materials; drip irrigation system was shown on the example of clay pot irrigation technology; technology of simple desalination plants for drinking water, solar parabolic oven; manufacturing of solar installations from an old parabolic antenna and a sheet of cardboard; cooking on the eco-oven “sun” pilaf and corn flakes, as well as heating food; manufacturing technology of a solar collector from an ordinary old window frame; pyramidal greenhouse; receiving compost and vermiculture.

Expert on land management (GEF Kazakhstan Small Grants Program), **Dr. Gulnara Bekturova** shared the experience of the GEF/SGP in implementing climate-resilient technologies in Kazakhstan. Additionally, the expert showed practical ways to save and restore soil using special crops. To restore land, it is necessary to make available livestock breeding for families with a small number of cattle and to convert abandoned arable lands by sowing fodder crops.



Mr. Denis Ten, founder of LLP “EcoLifeStroy-Service”, expert on humus production and composting, shared his experience in creating an ecological farming in Almaty region, dealing with vermiculture, animal husbandry, beekeeping, hydroponics and aquaponics. Currently, the farm produces bacteria that are useful for agriculture. The farm uses eco-technologies, especially aerial solar collectors – all components of the eco-farm are

connected to each other, and this allows to earn additional income and achieve cost savings. The farm successfully promotes its products (bio-fertilizers, bio-humus) on the Kazakhstan market, conducts trainings, field visits and other events, drawing more and more public attention to the opportunities of organic farming.



At the end of the session, **Mr. Timur Idrisov**, Senior adviser of the NGO “Little Earth”, made a video presentation where he made a critical review and analysis of a number of well-known statements on sustainable consumption. Participants exchanges questions and answers about vermiculture technology, hydroponics, eco-friendly agriculture, etc.

The SESSION 16 “Innovations in the integrated management of municipal solid waste: legal and institutional frameworks and best practices in the Central Asia region”. Keynote speaker of the session, **Ms. Vera Mustafina**, Executive Director of the KazWaste Association, presented innovations in the integrated management of municipal solid waste. With regard to Global Waste Management Outlook data,



the expert shared information about specific ways to reduce the amount of waste and recycle it from the perspective of modern eco-trends (green, low-carbon and circular economies). Participants also discussed challenges and barriers on waste management and disposal in Central Asian countries, tariffs for waste collection, and other regulations. Separate garbage collection was recognized as the easiest tool in the context of medium size cities due to the higher interests of processors of raw materials and other factors.

Ms. Aizhan Ryskulova, Coordinator of the KazWaste Association, presented some of global trends in waste management and their applicability to the current situation in Kazakhstan. Since 2015 the KazWaste Association has been dealing with waste management issues in more than 50 business companies. They also work to improve environmental legislation and try to mobilize the general public participate in decision-making process related to waste collection, processing and disposal.



The session was continued with presentation of **Ms. Pakizat Saylaubekova**, the Center for Sustainable Development (CSD Center), Kazakhstan. She shared the system of separation and processing of municipal solid wastes in Almaty. The main efforts of eco-activists working in this area are focused on promoting the separate collection of wastes in the daily lives of citizens, or through conducting eco community days. CSD Center provides trainings on waste separation and promote this practice at various eco-fairs. **Ms. Saylaubekova** conducted a mini workshop in groups on how to separate and recycle household waste.



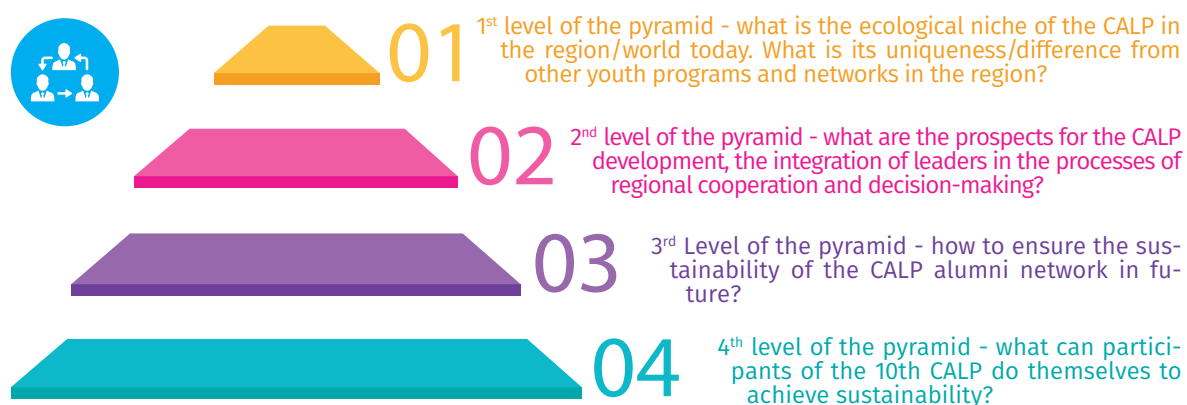
Day 6: September 21 started with the group exercise on “Building Pyramid of Sustainability”, which has become a good tradition of the CALP. The exercise was conducted by the CALP facilitator **Ms. Eugenia Postnova** (NGO “Akmena”, Kyrgyz Republic). During this exercise, each of the participants put down their personal professional goals, developed a road map, and signed a Collective Agreement on implementation of the plans. This exercise was aimed at contributing to development of the regional vision and strengthening regional cooperation of Central Asian countries and Afghanistan

Annex 4. Report of the 10th CALP Facilitator.

The participants were divided into 4 groups:

- ☑ 1. Scientists and environmental state agencies (N-North);
- ☑ 2. NGOs and media (S-South),
- ☑ 3. Economists (E-East),
- ☑ 4. A group of participants from Afghanistan (W-West).

All groups were asked to answer the following questions:



Participants discussed and formulated their plans on colored cards and placed on the sides of the Pyramid. This was followed by signing of a collective agreement on the implementation of the set of plans.



Closing ceremony of the 10th Anniversary Leadership Programme.



On September 21, at the end of the 10th Anniversary CALP, a *certificate delivery ceremony* took place along with a series of interviews with young leaders.



A special attention should be paid to the final session of the 10th CALP where the leaders exchanged memorable national souvenirs and gifts specially brought for each other. This was an unforgettable emotional moment in the closing ceremony of the 10th Anniversary Leadership Programme that certainly touched the heart of each participant.

Field trip. On the final day of the 10th CALP, September 22, the leaders took part in a group field visit to the environmental settlement “Almarai” located nearby Almaty city.



They had an opportunity to learn about resource-saving technologies and pilot sites for drip irrigation, permaculture, and eco-construction within the “Straw Paradise” project. The ecological settlement regularly holds different thematic trainings, interactive classes, summer camps, team building events and creative eco-meetings.





THE OSCE REGIONAL TRAINING COURSE ON WATER DIPLOMACY WITH A SPECIAL FOCUS ON GENDER-SENSITIVE NEGOTIATION AND MEDIATION SKILLS

9.1. Relevance

The countries of Central Asia are rich in water resources. However, uneven distribution of those resources and the disparate interests of the countries make the distribution of water in Central Asia a major source of potential tensions. Climate change puts additional stress on the environment, in particular on water and land resources, posing new challenges for adequate institutional responses. Managing water resources jointly can help build trust and improve relations among different water users, neighboring communities and states.

9.2. Goals and objectives

The OSCE Training course is part “Women, Water Management and Conflict Prevention – Phase II” of project, followed after “Regional training workshop on gender mainstreaming and conflict resolution in water governance” successfully conducted in 2015 in Almaty.

The main objective of the OSCE Training course was to increase capacity of leaders and water professionals in Central Asia in gender-sensitive water governance and water diplomacy.



9.3. Partners

In 2019, the OSCE Regional Training Course on Water Diplomacy with a special focus on gender-sensitive negotiation and mediation skills and the 10th Anniversary CALP were supported by the OSCE Secretariat in Vienna, Austria, the Ministry of Foreign Affairs of Finland and the Stockholm International Water Institute (SIWI). Thanks to the support of the partners, CAREC organized 10-day Anniversary Leadership events at high level from September 16 to 25, 2019, covering broader range of topics and participants with wider backgrounds, and high-level speakers.

9.4. Role of the gender aspect

Gender mainstreaming in water management is important as women are often disproportionately affected by unsustainable water management. Gender-sensitive policy interventions in the water sector contribute to fair water distribution and maximize the social, economic and environmental benefits of sustainable development. In this regard, gender mainstreaming in water governance can lead to more effective and responsive policies that reduce social imbalances for the benefit of the society as a whole and therewith contribute to conflict prevention.

Annex 5. List of the training participants.

9.5. Speakers

Invited speakers comprised international experts and trainers from the International Centre for Water Cooperation (under the auspices of UNESCO) / Stockholm International Water Institute (SIWI), OSCE experts, CAREC Water Initiatives Programme staff, alumni from the previous regional training courses on gender mainstreaming in water governance. The training was conducted in a variety of interactive formats such as plenary lectures, presentations, work in small inter-country groups, practical exercises, role-playing and simulation of international negotiations on water issues, etc.



9.6. Agenda

The Training agenda was comprehensive, covering different thematic areas and included the following key modules:

- ☑ Benefits of collaboration and cost of non-actions
- ☑ Negotiation skills and introduction to the role play
- ☑ Role play: roles allocation
- ☑ Role play: negotiating transboundary waters
- ☑ Group presentations on agreements reached during the role play
- ☑ Role play: transboundary water negotiations - stocktaking
- ☑ Final discussions and evaluation of the workshop

Annex 6. Training agenda.



On the first day of the Training on September 23, Ms. Sogol Jafarzadeh, OSCE Advisor on Environmental Affairs opened the event and greeted the participants on behalf of the OSCE Secretariat in Vienna.

Ms. Giulia Sechi, OSCE Advisor on gender-related issues, highlighted:



"It's impressive to observe how deeply you - the young leaders are involved in the issue and how seriously you treat water diplomacy and transboundary water management".

Ms. Giulia Sechi, OSCE Advisor on gender-related issues, highlighted:



"We really hope that this type of training can also be taken as a starting point for the young leaders to further develop their capacity in gender mainstreaming".

Ms. Elizabeth Yaari, Senior Program Manager, SIWI and **Mr. Kerry Schneider**, Program Manager, SIWI took part in the opening ceremony. On behalf of CAREC, **Ms. Yekaterina Strikeleva**, Manager of CAREC's Water Initiatives Support programme, delivered a welcome note. The organizers and experts made an introduction to the training and introduced the participants and speakers. Ms. Sogol Jafarzadeh, OSCE, made an introductory presentation on the OSCE mission and activities on environment and water cooperation. SIWI experts, **Ms. Elizabeth Yaari** and **Mr. Kerry Schneider** presented the concept of water diplomacy and highlighted the approaches of universal water diplomacy and got acquainted with the methods and tools of universal water diplomacy and learned about specific examples from other basins and regions.



At the end of the first day of the Training, the *OSCE session on gender integration and inclusive processes* was held.

The objective of this session was to achieve a common understanding on the following issues:

- ☑ Basic concepts related to gender mainstreaming and equality
- ☑ The relationship between gender and the environment
- ☑ Gender mainstreaming in the project cycle
- ☑ Gender integration and international donors

Gender equality is essential in addressing sustainable development challenges. Research has shown more positive and sustainable impact of projects where women are involved. It is important to put women in the center of WASH and sanitation projects (OECD, UNICEF) due to their role as household managers. Benefits from women's participation go beyond the single project (education, economic development, safer and more sustainable use of water at community level, knowledge sharing). And yet there is a persistent gender gap in water management leadership. This session raised the issues relevant for Central Asia, which are gradually becoming a priority due to the increasing role of women in local water management.



The second day of the Training on September 24 was started with the session devoted to the benefits of cooperation and assessment of the damage from inaction and lack of cooperation. A keynote presentation was made by **Ms. Tais Reznikova**, Senior Specialist, CAREC Water Initiative Support Programme. This topic was a subject of research implemented by CAREC and international partners in 2018. The costs of inaction correlate with potential benefits of water cooperation and their scale hence demonstrates the scale of the benefits and opportunities that better water management and closer cooperation can deliver for Central Asia. This session stimulated keen interest among the Training participants and laid the ground for further practical work and participation in the role play of negotiations on transboundary waters. To make the role play game more effective, **Ms. Elizabeth Yaari** made a presentation on negotiation skills with introduction to role-playing.

9.7. Role play on water diplomacy and achieving training objectives

The following issues were presented and discussed:

- ☑ International water law: promoting cross-border cooperation with a gender perspective
- ☑ The role of multi-level water resources management: examples of countries affected by conflicts
- ☑ Gender mainstreaming in benefit-sharing and regional integration approaches
- ☑ Options for implementing gender policies and strategies; as well as
- ☑ Learning from other experiences: case studies and lessons learned

Water diplomacy recognizes that there are many different actors that have can create platforms to resolve water conflicts and windows of opportunity for water cooperation. These actors comprised government officials (state and local level), non-state/ government actors, private sector, civil society, media, and others. Water diplomacy can help to assess and generate opportunities for cooperation in shared basins and improve water security.

Participants identified a set of benefits of water diplomacy:

- ☑ Strengthening ties, both political and technical
- ☑ Implementing activities to solve arising issues between parties
- ☑ Changing attitudes, a new way of thinking and joint ideas that can become a source of information for the official process
- ☑ Expanding a role of diplomacy to attract the parties involved
- ☑ Developing a vision and common understanding of the technical difficulties associated with water resources and mutually beneficial solutions
- ☑ Maintaining various communication channels and options if formal relationships deteriorate.



2-days Role-play on “A multi-stakeholder Negotiation Simulation in Transboundary Water Management” was run and moderated by representatives of SIWI and CAREC. Two fictional countries of Borovia and Northland were taken as an example, differing both in the level of development of economies, manufacturability, and environmental friendliness and priority of environmental protection issues. The Moravi River was chosen as a transboundary river, on which there are problems requiring urgent solutions.



According to one of the participants' opinion, Ms. Fariza Madenova from Kazakhstan, “Negotiations as part of the role-play at the OSCE and SIWI Training in water diplomacy and gender were aimed at developing practical skills in conducting international negotiations, reaching consensus and exchanging the results of negotiations with all participants.”



Participants in the OSCE-SIWI Training in Water Diplomacy studied all the peculiarities, advantages and challenges of international negotiations and mediation as part of a role play organized by the event's trainers. 2-days game was filled with heated discussions. Sometimes the participants in the negotiating table managed to reach consensus, and sometimes they didn't. Sometimes the meetings ended having representatives of the two sides shaking hands, and sometimes the negotiations ended before they even started. At the end of the training, our leaders shared their impressions of the game. Everyone mentioned that they had learned a lot of important and necessary things for themselves, adopted experience and got some insights, which they can use practically in negotiation process in future.





SUCCESS STORIES OF THE CALP GRADUATES: 2010-2019

In 2019 CAREC prepared a Collection of success stories of the CALP graduates in the period of 2010-2018. It was important for CAREC and partners supporting CALP for 10 years to share success stories of graduates, representatives of various sectors and various countries of the region



Annex 7. PR-report of the 10th CALP and OSCE Training

Annex 8. List of media

Annex 9. List of publications

As part of a survey, the leaders shared their memories about the Leadership Programme, the role of CAREC in encouragement of the young leaders of the region, offered recommendations to the future participants of the CALP. Based on the results of the survey, an illustrated bulletin “Success Stories” of graduates was developed.



Annex 10. «Success Stories of Graduates of the CALP»

Along with the targeted interviews carried out with the CALP graduates and the issue of “Success Stories” collection, there was conducted a comprehensive survey among 40 participants in order to identify the role and influence of the CALP on their career, growth, development. The final result of the survey was presented by the project PR-specialist on the first day of the 10th CALP, September 16.

10

ANNIVERSARY CALP:



Brought together leaders of Central Asia and Afghanistan and provided a neutral regional dialogue platform for discussion of issues of water diplomacy, gender, climate change, energy efficiency, innovation, the NEXUS approach and other topics of sustainable development



Made a significant contribution to promoting regional cooperation and the activities of CAREC over the past 18 years as a regional center of knowledge on the environment and sustainable development



Demonstrated the effectiveness of regional dialogue processes and platforms promoted by CAREC in cooperation with international partners - CAIEF, CACCC and CALP



Demonstrated the role of leadership as a tool for cooperation, innovation and change



Confirmed the interest of international community, national partners and private sector representatives in the CALP as a regional youth platform in the field of environment and sustainable development



Emphasized the role and attracted attention of the international community to the important role of youth in promoting innovations in Central Asia



Highlighted a crucial role of water diplomacy with an emphasis on gender-responsive negotiation and mediation skills



Opened the prospects for more effective solutions in the field of climate change, energy efficiency, water resources and sustainable development in the future



Provided a comprehensive understanding of environmental and sustainable development issues for future decision-makers on environmental problems in the region



Presented success stories, achievements, best practices, and innovative ideas for existing and promising regional projects through the use of international experience and CALP alumni network



Made a substantial contribution to strengthening of the regional cooperation in the field of water resources, climate change, renewable energy sources, NEXUS, etc.



Assisted to discussion and support of the ideas of regional youth initiatives and projects in the field of environment and development by international partners



Developed the PYRAMID OF SUSTAINABILITY by the CALP participants as the ground for the CALP Concept for the next decade until 2030



Participants of the 10th Anniversary CALP and the OSCE Training confirmed their willingness to cooperate and solve the emerging sustainability issues together, to implement regional projects, exchange news and experience through the CALP Alumni and the OSCE Training-2019 pages in social networks.



12

LIST OF ANNEXES



1. 10th CALP agenda
2. 10th CALP list of speakers
3. 10th CALP list of participants
4. Report of the CALP facilitator
5. OSCE Training list of participants
6. OSCE Training agenda
7. PR-report of the 10th CALP and OSCE Training
8. List of mass-media
9. List of publications (media-monitoring)
10. Success stories of the CALP alumni
11. Presentations and pictures: <http://192.168.0.4:5000/fsdownload/f9Kvl8BT9/Calp%202019>