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Funded by the European Union

Closing Roundtable in the Kyrgyz Republic

National Historical Museum of the Kyrgyz Republic, Bishkek

12 February 2026

SECCA Activities in the Kyrgyz Republic: Results achieved and challenges

Paata Janelidze, Team leader, Key Expert in Energy Engineering

Ilze Purina, Key Expert in Energy Sector Governance

Maratbek Cholponkulov, Senior Non-key Expert, National Coordinator in the Kyrgyz Republic

Sustainable Energy Connectivity in Central Asia (SECCA)

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General information on SECCA

Sustainable Energy Connectivity in Central Asia (SECCA):

EU-funded regional cooperation project between the European Union and its partner countries in Central Asia in the field of sustainable energy

Implementation period:

15 March 2022 - 31 May 2026

Partner countries:

Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan

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Project objective

Overall Objective:

to promote a more sustainable energy mix in the Central Asia region in line with EU best practices

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Sustainable Energy Mix in the Kyrgyz Republic

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Sustainable Energy Mix in the Kyrgyz Republic

A more sustainable energy mix in the Kyrgyz Republic (KR) means:

- **Transitioning from reliance on fossil fuels (coal and gas) toward a cleaner, diversified portfolio** - utilizing massive wind, solar, and hydropower potential
- **Improving Energy Efficiency** (EE), which reduces overall demand, minimizes waste, and lowers greenhouse gas (GHG) emissions, which in turn, allows to increase a share of renewable energy sources (RES) in energy consumption. EE strengthens energy security, reduces reliance on fossil fuels, and offers the most cost-effective, immediate path to decarbonization across sectors like buildings, transport, and industry

*EE is so important in the world's journey to net zero, to keep global warming at 1.5 degrees Celsius, that it is nicknamed **"the first fuel"** by the International Energy Agency (IEA)*

- **Upgrading aging Soviet-era grid** to handle RES
- **Fostering regional energy cooperation**

Sustainable Energy Mix in the Kyrgyz Republic (1)

Benefits from the sustainable energy mix in KR:

- **Improved Energy Security** - Diversifying away from a heavy reliance on large hydropower and thereby manage risks from low water levels, glacier melt, and seasonal shortages
- **Reduced Dependence on Fossil Fuel Imports / cut down use of expensive, imported coal and natural gas** - due to the Increased use of domestic RES and improved EE
- **Economic Growth and Attraction of Investment** - due to the increased foreign direct investment (e.g., in solar projects), creates jobs in the green energy sector, and additional revenues via projects like CASA-1000

Sustainable Energy Mix in the Kyrgyz Republic (2)

Achieved decarbonization targets:

- Key actions in the **Nationally Determined Contribution (NDC) of KR, revised in October 2025,** include:
  - Transitioning from coal to electricity/gas
  - Increasing EE, developing RES (hydro)
  - Enhancing climate-smart agriculture

- KR has officially committed to achieving **carbon neutrality by 2050**

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SECCA approach to promote a more Sustainable Energy Mix in the Kyrgyz Republic

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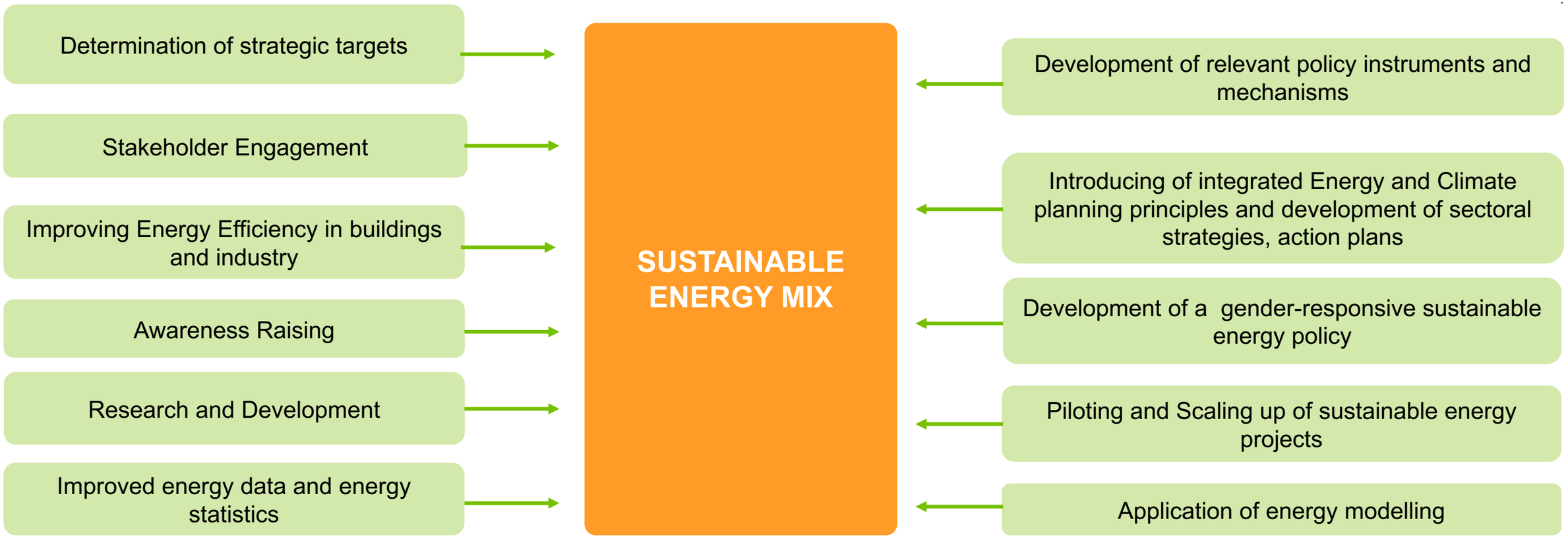
SECCA approach to promote a more Sustainable Energy Mix in the Kyrgyz Republic



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TA provided by SECCA: General approach

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SECCA approach to provide Technical Assistance aimed at Sustainable Energy Mix in the Kyrgyz Republic

- SECCA has provided Technical Assistance (TA) in promoting a more sustainable energy mix at Regional and National levels
- TA activities at the **Regional level** were implemented **after agreement** with the Beneficiary Countries
- TA activities at the **National level** were implemented **upon request** of the Beneficiary Countries
- Steps taken by SECCA to identify and implement TA activities:
  - ✓ Identification of the fields for TA – Based on consultations with the national State Partner (Ministry of Energy of the Kyrgyz Republic) and key stakeholders
  - ✓ If there was a lack of information regarding the most relevant EU developments in the identified field, experts from EU Member States (MS) and/or Energy Community Contracting Parties (EC CPs) were invited as speakers at SECCA events (regional and national conferences, technical workshops, roundtables, etc.) and presented EU practices as well as opportunities for CA countries in these specific areas
  - ✓ After the events, if the interest was expressed by the Beneficiary Country, the ToRs were developed and Non-key experts (NKEs) contracted
  - ✓ Proposed approaches/ draft documents and results were presented and discussed with a wide range of related national stakeholders to ensure strong ownership and continuity of the initiated activities

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TA provided by SECCA: Regional Activities

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Regional Activities: Energy Modelling

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Energy Modelling

- Integrated Energy and Climate planning is one of the key tools for promoting a sustainable energy mix
- The role of the Integrated Energy and Climate planning was highlighted at many regional and national level events (conferences, trainings, etc.) to explain the overall concept to a wide range of stakeholders
- In the EU, a quantitative energy and climate systems analyses are based on energy modelling, that provides a virtual, data-driven "laboratory" to simulate, analyze, and optimize complex energy systems
- Model-based integrated solutions for the development of sustainable energy, as well as data-based decision-making in the energy and climate, are not yet a common practice in CA, including in Kyrgyzstan
- These new approaches for CA countries, best practices, examples, and experience of EU MSs and EC CPs were shared and discussed in detail with the SECCA modelling team, and also, key stakeholders in each Beneficiary country

Energy Modelling (1)

- SECCA has set up the Regional Group on Modelling, consisting of two young professionals from each Beneficiary Country, including Kyrgyzstan
- Communication with relevant national stakeholders established
- Two-phase work plan for the Regional Group on Modelling developed and implemented
  - ✓ Phase I (September 2024 – February 2025): Capacity development of the Regional Group on Modelling through 3 training workshops
    - (i) On “fundamentals” of energy and climate strategic planning and modelling analyses and aimed to provide a common understanding of the energy and climate issues and of some good practices
    - (ii) On selection/collection/elaboration/utilization of energy (and non-energy) statistics and data for quantitative analyses
    - (iii) On technical practices for quantitative modelling analysis and their links with the preparation of strategic documents and integrated plans

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Energy Modelling (2)

- Phase II – started in July 2025, and took a more targeted, country-specific and application-oriented approach, while continuing to strengthen capacities of the Central Asian countries to develop national energy sector models, enhance local systems thinking and promote knowledge- and data-driven decision making in the energy and climate sectors
- Phase II included one training workshop and extensive practical work on the application of different tools and modelling practices
- Results were presented at the final workshop (Almaty, 4-5 February 2026)

- Results of the **Kyrgyz "Modelling unit"** were presented at the recent Regional workshop on energy modelling (Almaty, 4 February 2026) and meeting of the Inter-Institutional Working Group on ESCO (Bishkek, 10 February 2026). The modelling included analysis of:
  - ✓ Electricity demand projection
  - ✓ Demand-side measures (Building Envelope Efficiency, Efficient Appliances & Lighting)
  - ✓ Transmission- and distribution-side measures (Modernization of T&D Infrastructure for Transmission losses reduction, Strengthening Revenue Collection & Anti-theft Measures)
  - ✓ Supply-side measures (modernization of hydropower plants, deployment of wind and solar power plants, Rooftop solar)

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Regional Activities: Energy statistics

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Energy Statistics

In KR, SECCA collaborated closely with:

National Statistical Committee

SECCA organized:

- **Training on formation of the energy balance, calculation of EE indicator in the KR** (Bishkek, 17 May 2023)
- **Regional Workshop on Final Energy Consumption Statistics** (Tashkent, 11-13 July 2023)

SECCA prepared

Recommendations for improving reporting on SDG7

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Regional Activities: Energy labelling

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Energy Labelling

In KR, SECCA worked closely with:

Kyrgyzstandart

SECCA organized:

Regional Conference on Energy Labelling (Tashkent, 21-22 October 2025)

In close cooperation with the national stakeholders, SECCA prepared:

- **Country reports** on the current status of energy labelling
- **Recommendations** for the further development of energy labelling in CA countries

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Regional Activities: Horizon Europe

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Horizon Europe

The largest program of the EU in science and innovation

OBJECTIVES:

Support scientific and technological research, innovation and sustainable development in the EU and beyond

BUDGET AND IMPLEMENTATION PERIODS:
- € 95.5 billion for 2021-2027
- € 175 billion for 2028-2034

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Current status of National Contact Point networks in CA

- Activities under the SECCA Horizon Europe (HE) component began in May 2024 – at that time, **HE National Contact Points (NCPs) coordinators** were established in **Kazakhstan** and **Kyrgyzstan**
- In less than 2 years:
  - ✓ **NCP coordinators** nominated in **Tajikistan**, **Turkmenistan,** and **Uzbekistan**
  - ✓ **NCP for Cluster 5** nominated in **Kazakhstan**, **Kyrgyzstan**, and **Uzbekistan**, and **is being discussed in Turkmenistan**
- This clearly demonstrates **the will and commitment of the CA countries** to enhance Research and Innovation (R&I) cooperation with the EU under the HE program

Support, tools and instruments for NCPs & research institutions

- SECCA has developed **a template for research organisations** to highlight their key capacities, research interests, and areas of expertise in a structured manner
- The template was **distributed to relevant research organizations** in Kazakhstan, **Kyrgyzstan**, Turkmenistan, and Uzbekistan
- **Filled-in templates were received** in Kazakhstan, **Kyrgyzstan**, Turkmenistan, and Uzbekistan
- A comprehensive **database of Central Asian research institutions** has been created and uploaded on the **GREENET platform** – an official network of the HE Cluster 5 NCPs in the EU – to support partner searches for participation in Cluster 5 of the HE programme

Support, tools and instruments for NCPs

In Kazakhstan, **Kyrgyzstan,** Turkmenistan, Uzbekistan:

- **Database of institutions** interested in participation in the HE program developed
- **Overview of profiles of research institutions** interested in participation in the HE program, **including priority areas for cooperation,** prepared
- **Communication strategy** developed
- **Key performance indicators (KPIs) to monitor and measure progress** developed
- **Recommendations** for further enhancing the participation of countries of CA in the HE program drafted

HE in the Kyrgyz Republic

- In KR, SECCA collaborated closely with:
  - **HE NCP Coordinator** and **HE NCP Cluster 5**
  - **Ministry of Education and Science**
- SECCA organized:
  - **Regional workshop** “Horizon Europe in Central Asia: Promoting Research Excellence and Collaboration for Sustainable Energy” (Almaty, 14 May 2024)
  - **HE Cluster 5 Regional Info Day - Enhancing EU-Central Asia Research Collaboration in HE** (Almaty, 20 May 2025)
  - **Professional Development workshop for HE NCPs** (Almaty, 21 May 2025)
- HE NCP Coordinator and HE NCP Cluster 5 organized:
  - **Horizon Europe Info Day** (Bishkek, 16 May 2025)

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Regional Activities: Gender in Energy

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Gender in Energy

- **Gender equality and social inclusion (GESI)** represent one of the focuses of the SECCA activities
- SECCA conducted five **national GESI assessments** for CA countries, focussing on:
  - ✓ The policy dimension of the gender and energy nexus
  - ✓ Access to electricity and clean cooking fuels
  - ✓ Girls in science, technology, engineering and mathematics (STEM) education
  - ✓ Women's employment in the energy sector
- The analysis showed that GESI is a challenge in CA, especially in the energy sector, in which fewer women are involved
- The results of the national GESI assessments have been presented at the Regional Conference "Gender and Energy in Central Asia" (Almaty, 17-18 October 2024)
- To address GESI-related challenge, STEM4Her events, as part of Sustainable Energy Days (SEDs) 2025 campaigns, were conducted in CA countries, including **Kyrgyzstan**

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Podcast promoting sustainable energy “Energiya Joly”

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Podcast promoting sustainable energy “Energiya Joly”

- **“Energiya Joly” Podcast,** launched by SECCA in October 2024, explores the path to sustainable energy in Central Asia
- To date 20 video podcast episodes were produced on various EE and RE related topics
- Among them Episode 10: ***Energy Sector of Kyrgyzstan: Trends and Prospects*** features an in-depth discussion with Nurzat Abdyrasulova, Sustainable Energy Expert, founder of UNISON Group. It addresses the current state of the country's energy sector, its key challenges, and opportunities for sustainable development.
- As of February 2026, a dedicated podcast channel on YouTube https://www.youtube.com/@EnergiyaJoly has
  - **6 750+** subscribes
  - around **350 000** views

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Regional contests

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Regional contest #Reels4SustainableEnergy

- In 2023, SECCA has organized a **Regional contest *#Reels4SustainableEnergy*** among university students, young researchers and young professionals in the area of engineering, energy, environment and/or climate studies from Central Asia. The contest aimed to promote the environmental and economic benefits of saving energy, facilitate energy efficiency, raise public awareness of the need to scale up the use of renewable energy, and foster the creative capacity of young people
- A total of 67 reels from all over the region were published on Instagram and 6 winners of the reels contest were awarded (Astana, 2 June 2023)
- Among the winners:
  - ✓ **Second prize: Aisuluu Kolbaeva, Snow Leopard Foundation (Kyrgyzstan)**

Regional Media Contest
Energy transition for a better tomorrow

- On 14 April 2025, SECCA announced the launch of the **Regional Media Contest *Energy transition for a better tomorrow***
- Journalists were invited to submit their materials published in print or online media or aired/broadcast on TV/radio, in the period from 15 April 2024 to 14 May 2025, on the following topics: sustainable energy, renewables, EE, gender equality in the energy sector, STEM education for girls, green/sustainable building practice, EU–CA sustainable energy cooperation, EU–CA research cooperation under HE Programme's Cluster "Climate, Energy, and Mobility"
- A total of 128 journalists from all CA countries applied and submitted 206 entries. The Award Ceremony took place on 1 June 2025 during the EuroFest2025 in Astana, Kazakhstan. Among the winners:
  - ✓ **First prize**: **Vladislav Ushakov, Kyrgyzstan,** photojournalist at "Photo.kg", for the photo report titled **"Kyzyl-Beyit: from isolation to energy independence"**
  - ✓ **Special recognition from the Media contest Jury: Ermek Aktanov, Kyrgyzstan**, for a radio report on "Birinchi Radio" titled **"A woman in energy"**

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Regional Photo Exhibition

The EU – CA: Faces of Sustainable Energy Development Cooperation

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Regional Photo Exhibition *The EU – CA: Faces of Sustainable Energy Development Cooperation*

- In 2025 as part of the third EU–Central Asia Sustainable Energy Days (SED), the SECCA project brought a powerful regional initiative to life: the **Regional Photo Exhibition *The European Union – Central Asia: Faces of Sustainable Energy Development Cooperation***
- First inaugurated on 1 June at EuroFest 2025 in Astana, the exhibition featured 38 inspiring portraits of scientists, engineers, entrepreneurs, policymakers, and educators who are advancing the sustainable energy transition and taking actions toward a greener and more resilient tomorrow for the CA countries and for generations to come
- After the inauguration, the exhibition travelled across the region, becoming a central highlight of the SEDs in Kazakhstan, **Kyrgyzstan**, Tajikistan, Turkmenistan, and Uzbekistan.
- The **Kyrgyz edition** of the photo exhibition was presented at the launching event of the EU-Kyrgyzstan Sustainable Energy Days (Bishkek, 14 October 2025)

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Regional Activities: Study Tours

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STUDY TOURS

Netherlands: “Renewable Energy – State of the Art”.

- In November 2022, recognizing the role of mass media in raising awareness, shaping public attitudes, and engaging journalists in discussions on energy transition, environmental protection, and climate action, two EU-funded projects— WECOOP and SECCA —organized a week-long study tour “Renewable Energy – State of the Art” for winners of the 2020 and 2022 European Union (EU) regional media contests
- Eight journalists from Kazakhstan, **Kyrgyzstan**, and Uzbekistan visited the Netherlands to learn from EU and Dutch experience in the implementation of new renewable energy policies, as well as in the production of wind energy, bioenergy, and green hydrogen

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STUDY TOURS

Georgia: “Sustainable Energy in Practice: Georgia’s Success and EU Best Practices”.

- In November 2023, SECCA organised a study tour to Georgia titled “Sustainable Energy in Practice: Georgia’s Success and EU Best Practices”. The tour brought together 16 senior government officials and energy sector experts from all 5 countries of Central Asia to examine Georgia’s successful energy sector reforms, aligned with EU policies and Energy Community standards
- The participants gained first-hand knowledge on overall policy and legal framework for the promotion of sustainable energy, integrated energy and climate planning, practical aspects of promotion of energy efficiency in buildings and industry, project development and implementation, promotion of green investments, renewable energy auctions, and regional networks
- During the study visit, the **Green Energy Fund of Kyrgyzstan** and the Georgian Energy Development Fund signed a **Memorandum of Understanding** (MoU) to establish cooperation between the parties in the field of renewable energy development

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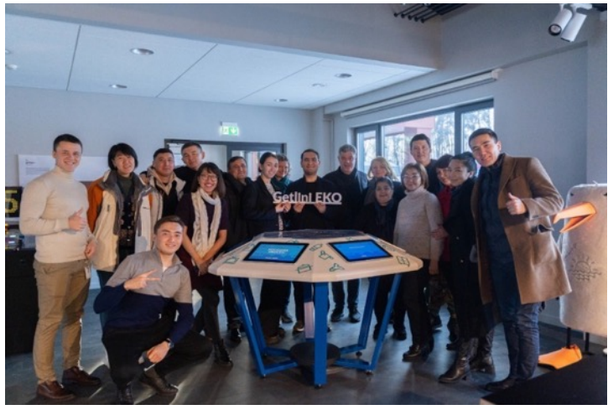
STUDY TOURS

Latvia: “Promotion of Energy Efficiency – Latvian Experience”.

- From 27 November to 1 December 2023, students, young researchers and professionals - winners of the EU contest #Reels4SustainableEnergy and the best Sustainable Energy Mural Design, as well as representatives of the most energy efficient schools from Kazakhstan, **Kyrgyzstan**, Tajikistan, Turkmenistan, and Uzbekistan visited Latvia for a week-long study tour “Promotion of Energy Efficiency – Latvian Experience”
- The tour showcased Latvia’s successful examples of energy efficiency (EE) and energy-saving practices implemented by both the public and private sectors, as well as the development of renewable energy (Latvia has the third highest share of renewables in final energy consumption in the EU)



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TA provided by SECCA:

National-level Activities in KR:

Policy, regulatory and institutional framework for the transition to a sustainable energy system

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Pilot Inventory of Public Buildings

- SECCA collaborated closely with:
  - **Ministry of Energy**
  - **Institute of Energy**

- In close cooperation with the national stakeholders, SECCA prepared:
  - **Pilot inventory of public buildings,** starting with buildings on the balance of the President's administration (34 buildings) in Bishkek, and data verification for buildings whose energy consumption is out of the accepted range of specific energy consumption
  - **Recommendations** for further development of the inventory of public buildings in KR

Quality Control of Energy Performance Certification of Buildings

- SECCA collaborated closely with:
  - **Ministry of Energy**
  - **Ministry of Construction and Architecture (former Gosstroy)**
  - **Inter-institutional Working Group**
  - **UNISON Group**

- In close cooperation with the national stakeholders, SECCA prepared:
  - **Draft bylaw** on Quality Control of Energy Performance Certificates, which was sent for the interinstitutional review and consultations at the end of 2025

Energy Service Market Development

- SECCA collaborated closely with:
  - **Ministry of Energy**
  - **Inter-institutional Working Group**

- SECCA organized:
  - **Regional Technical Workshop** “ESCO – from theory to implementation practice” (Tashkent, 26 June 2024)

- In close cooperation with the national stakeholders, SECCA prepared:
  - **Concept note** on a pilot project on Energy Service Companies (ESCO) in the KR
  - **Draft of the Government order** on a pilot project on ESCO, including **a template of ESCO contract** and **Measurement and Verification (M&V) methodology for determining energy savings achieved**

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EU-Kyrgyzstan Sustainable Energy Days

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Sustainable Energy Days 2023

- The First European Union – Kyrgyzstan Sustainable Energy Days (SEDs) took place in Bishkek in May 2023
- SECCA collaborated closely with:
  - ✓ **Ministry of Energy**
  - ✓ **Ministry of Education and Sciences**
- As part of SEDs 2023, **ecological-economic Lyceum No. 65** was recognized as the most energy efficient school in Bishkek
- The schoolchildren of the lyceum took part in a flash mob on electric scooters under the slogan **“Reduce Carbon Emissions, Save the Planet!”** to draw attention to the high levels of greenhouse gas emissions produced by the transport and to inspire people to choose more environmentally friendly means of transportation

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SEDs 2024

- The Second European Union – Kyrgyzstan Sustainable Energy Days took place in the cities of Bishkek and Osh in October 2024
- SECCA collaborated closely with:
  - **Ministry of Culture, Information and Youth Policy**
  - **Kyrgyz State Technical University named after I. Razzakov, Kyrgyz State University of Construction, Transport and Architecture, Kyrgyz Agrarian University named after Skryabin, International University of Innovative Technologies, Kyrgyz-Russian Slavic University**

As part of SEDs 2024:

- SECCA organised **student lectures and debates** on sustainable energy
- In Osh, **secondary school №14 named after K. Altybaev** was awarded as the Most Energy Efficient School
- The Third European Union – Kyrgyzstan Sustainable Energy Days took place in Bishkek, in October 2025

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SEDs 2025

As part of SEDs 2025, SECCA organised:

- The official handover of the **Pre-Feasibility Study** for Karakol-1 SHPP to the **Green Energy Fund**
- The celebration of the winner of the EU's **regional media contest** "*Energy Transition for a Better Tomorrow"* – Kyrgyz photojournalist Vlad Ushakov from photo.kg who received the 1st prize
- The opening of the **photo exhibition** "The European Union – Kyrgyzstan: Faces of Sustainable Energy Development Cooperation"
- **STEM4Her** – an interactive and inspiring event at Bishkek's most energy-efficient School №65

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TA provided by SECCA:

National-level Activities in KR:

Promotion and facilitation of investment, capacity and awareness in Sustainable Energy

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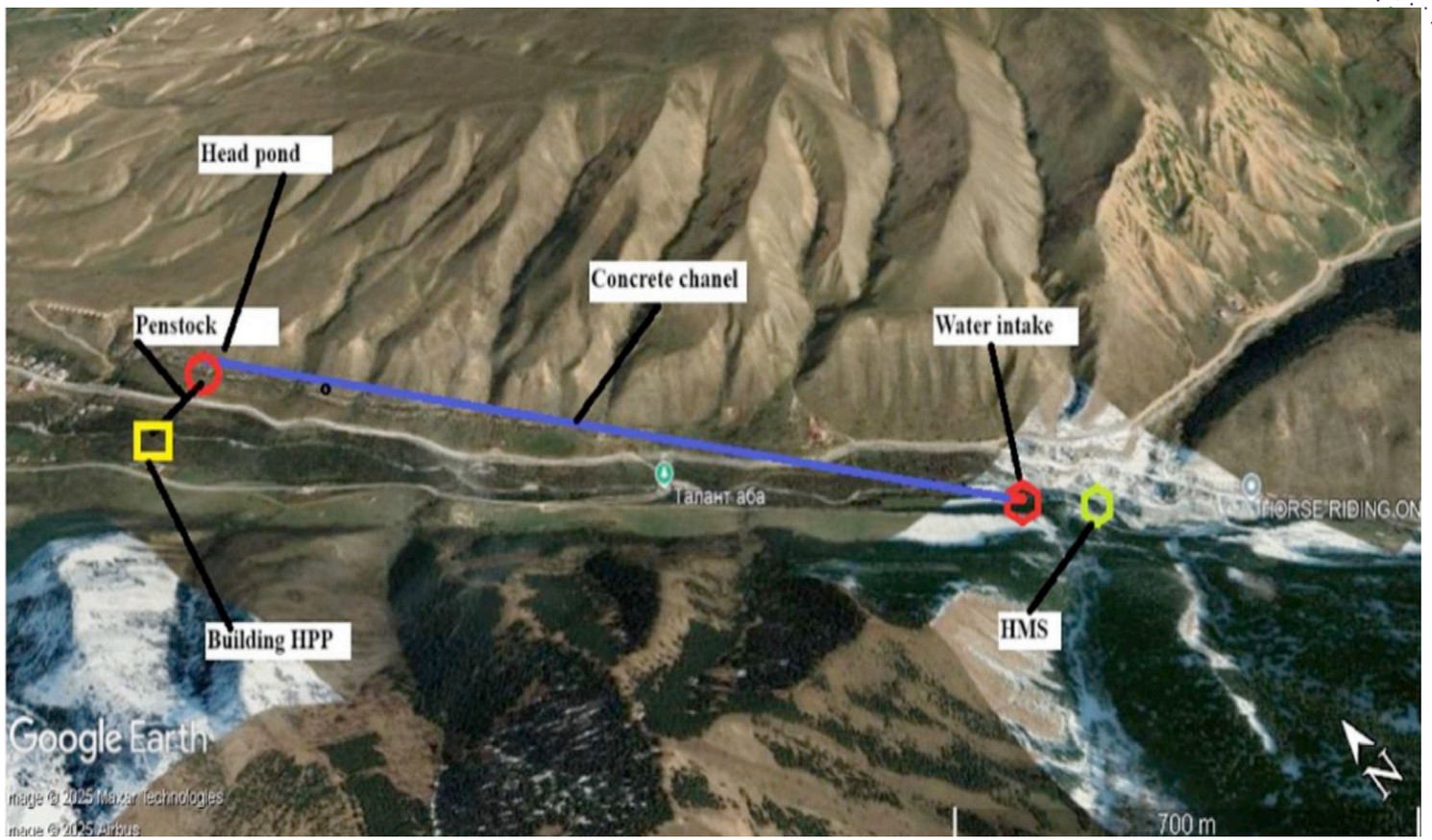
Small hydropower

- In September 2023, SECCA prepared an **Assessment Report on the Small Hydro Power sector in the Kyrgyz Republic**
- In February 2024, the **Green Energy Fund under the Cabinet of Ministers of the Kyrgyz Republic** requested carrying out Pre-Feasibility Study (FS) for Karakoll-1 Small Hydropower Plant (SHPP)



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Small hydropower

- **Kick-off Meeting «Conducting a Pre-Feasibility Study – the first step to develop Small Hydropower projects»** was held in July 2024
- The main results of Pre-FS were presented at the **Roundtable «Development of Small Hydropower in Kyrgyzstan: First steps taken»** (Bishkek, 4 February 2025)
- The **draft Pre-FS report for Karakol-1 SHPP** was submitted to the Green Energy Fund for review in April 2025
- **Pre-FS report was officially handed over to the Green Energy Fund** in October 2025
- Main parameters of Karakol-1 SHPP

- ✓ Designed capacity – 2.4 MW (2 x 1.2 MW units of Francis turbines)
- ✓ Annual generation – 11.786 GWh
- ✓ Capex - $3,960,533
- ✓ Opex - $ 60,000 annually

Financial parameter	Project	Equity (40%)
Internal Rate of Return (IRR)	12.60%	14.91%
Payback, years	9.44	10.00
Net Present Value (NPV)	$ 571,037	$ 401,129
Levelized Cost of Electricity (LCOE)	USD¢ 5.13	USD¢ 5.21

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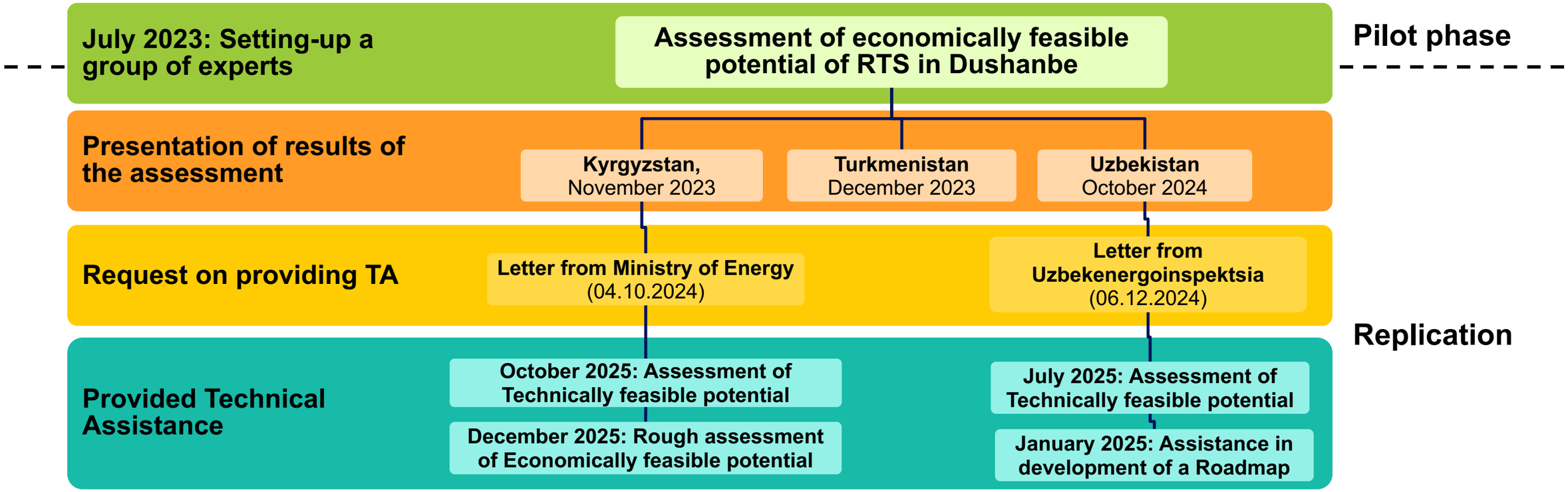
SECCA: Promoting of Rooftop Solar (RTS) Development in CA



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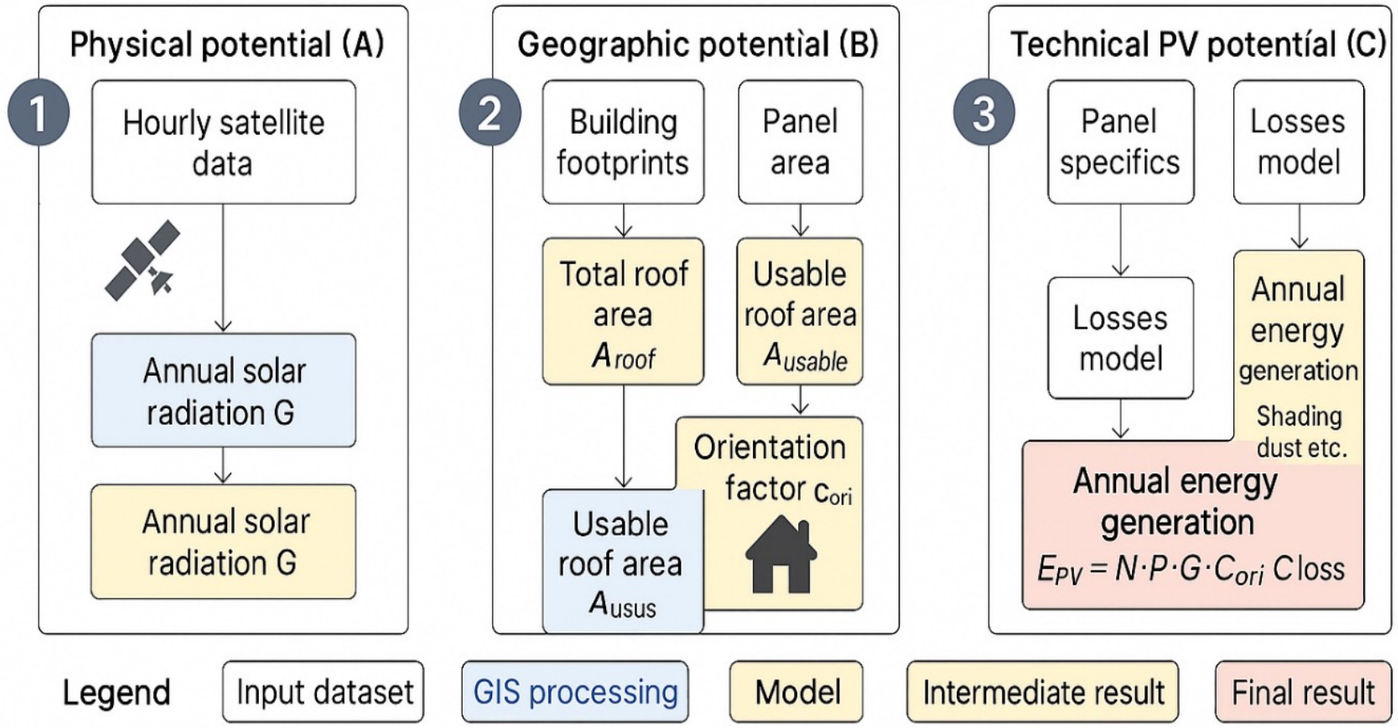
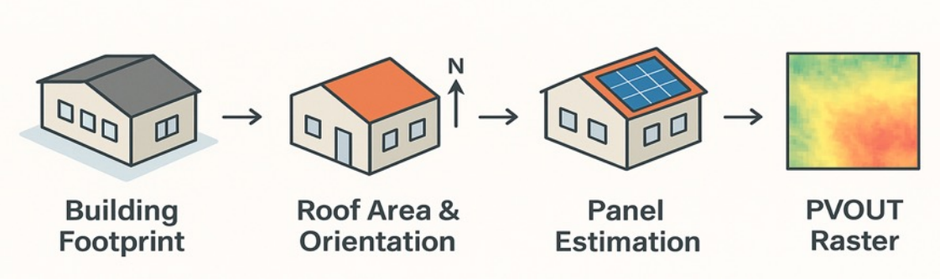
Assessment of RTS potential in Kyrgyzstan





Stages and elements of rooftop solar technical potential assessment

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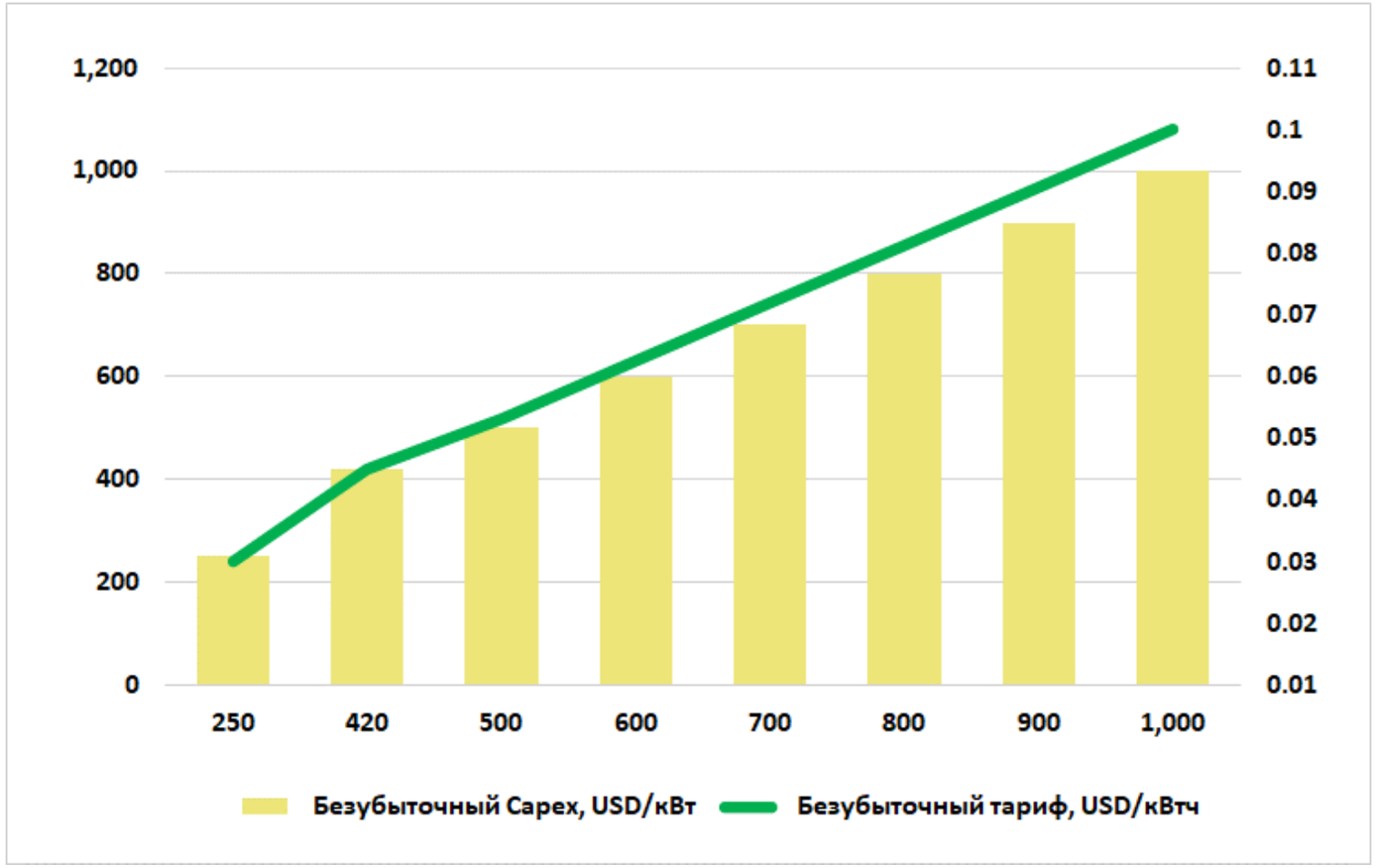
Assessment of Technically feasible potential of RTS in Kyrgyzstan

Region	Number of buildings	Useful roof area, m2	Capacity, kW	Annual generation, kWh
Batken Region	136,376	10,089,536	1,766,042	1,458,232,268
Bishkek City	410,562	32,508,890	5,695,807	4,973,460,563
Chuy Region	857,247	64,164,236	11,232,657	9,545,893,486
Jalal-Abad Region	710,092	53,608,227	9,385,853	8,073,478,074
Naryn Region	218,824	13,410,995	2,339,733	2,151,193,311
Osh City	104,498	12,917,488	2,275,043	1,832,019,507
Osh Region	542,238	47,579,161	8,348,130	6,948,280,688
Talas Region	183,003	14,615,842	2,561,160	2,366,739,823
Issyk-Kul Region	482,984	34,151,663	5,973,366	5,217,998,738
Total	**3,645,824**	**283,046,038**	**49,577,790**	**42,567,296,459**

Rough Assessment of Technically feasible potential of RTS in Kyrgyzstan



- There are certain segments where the implementation of RTS systems is financially feasible
- End consumers in the commercial building segment have the greatest incentive to install RTS systems due to the highest tariff rates for this category of consumers

Global Gateway

Challenges

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Main Challenges

- While the Kyrgyz Republic has established strategic goals for RE and EE, these goals often lack comprehensive integration, modeling, and data-driven analysis
- SECCA has taken initial steps in this direction by: (i) sharing EU best practices for integrated energy and climate planning, including model-based scenario analysis; (ii) promoting different instruments and mechanisms for EE and RE development, and (iii) raising awareness among stakeholders and the public, including through SEDs campaigns. However, national capacity must be further developed, particularly through learning-by-doing initiatives
- Significant gaps between ambitious RE/EE targets and the investment reality, are challenged by a “feasibility gap”: While targets are set high, existing legal and regulatory (L&R) frameworks and immature markets often make investments economically unviable

Recommendations (Proposed Solutions)

Recommendations for Government Agencies

- To ensure integrated energy and climate planning in Kyrgyzstan, the institutional setting must shift from a fragmented approach to a better coordinated, cross-sectoral framework through:
  - ✓ A high-level body (e.g., the Cabinet of Ministers) must lead the integration of NDC climate targets into energy strategy, aligning with the 2018-2040 National Development Strategy
  - ✓ Ministry of Energy must lead long-term strategic planning, integrating RE and EE into the main energy balance
  - ✓ Establishment of a Specialized Body responsible for:
    - Scenario-Based Modelling
    - R&D and Innovation Strategy
    - Data Management
    - Technical Support for RE

Recommendations (Proposed Solutions)

- Further improvement of L&R for RE and EE, including by the independent Regulator (fair tariffs, competitive selection of RE providers, transparent monitoring)
- Further development of national capacities for:
  - ✓ Development and implementation of sustainable energy policies
  - ✓ Maximization of the effectiveness of TA provided by the International donors and Development partners
  - ✓ Maximization of the effectiveness of TA and full utilization of financing opportunities provided by the International donors and Development partners
- Recommendations for the EU/other donors

SECCA website

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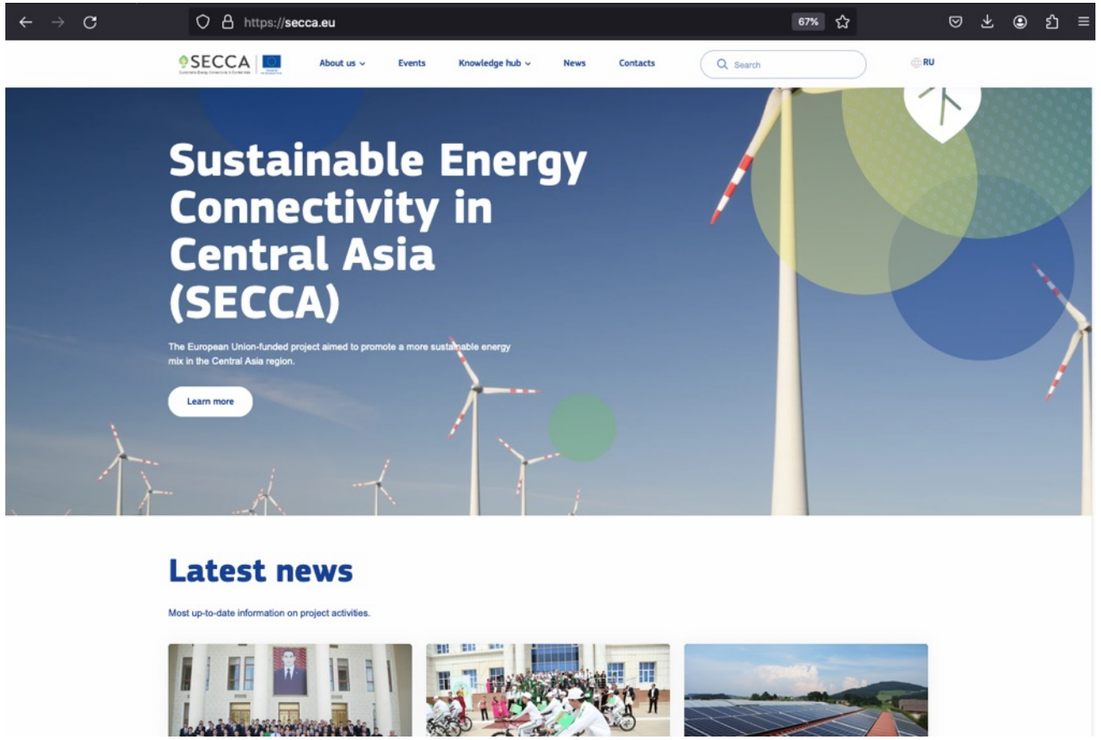

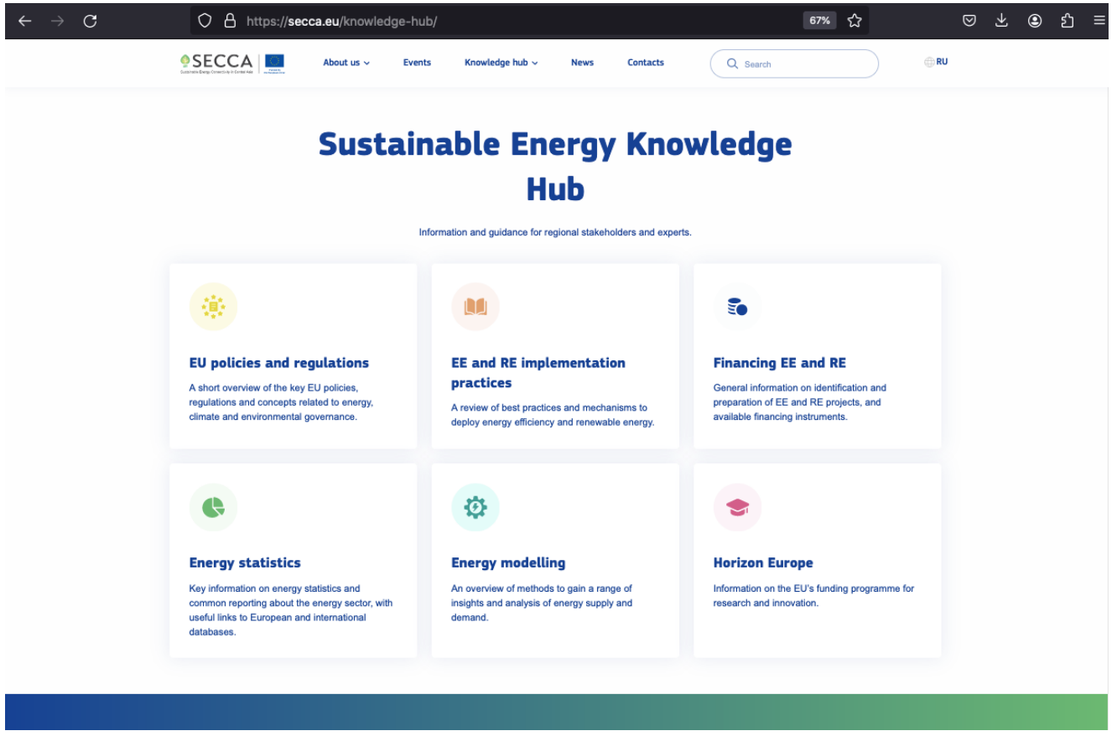

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