INOGATE
ANNUAL MEETING
BRUSSELS, Belgium
October 22, 2014

“Sustainable Energy Programme for Central Asia: Renewable energy sources & Energy Efficiency” (CASEP)

Implemented by: giz GFA Consulting Group carec
What is CASEP?

An EU-funded 36 month long programme for regional energy cooperation with technical assistance budget of 4 million Euro, between the European Union and its Partner Countries in Central Asia, and covers “Sustainable Energy” for the Central Asian Region [ends April 2016]

(Contracting Authority is EC DEVCO Unit H2 Geographical Coordination Central Asia, Middle East/Gulf, Asia Regional Programmes)

Beneficiaries are the 5 INOGATE Partner Countries in Central Asia: Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan
What is CASEP?
Relation to INOGATE?

CASEP
Programme financed by the European Union

CASEP
Covers INOGATE

Component C
“Sustainable Energy “ in the Central Asian Countries of:
Kazakhstan
Kyrgyzstan
Tajikistan
Turkmenistan, and
Uzbekistan

Implemented by:
What is CASEP?

CASEP: Sustainable Energy; Promotion of RES and EE

• The overall objective is to contribute to the increased security, reliability and efficiency of energy supplies in the Central Asian countries and thereby to improve the preconditions for regional integration of efficient and sustainable energy systems and increased cooperation with EU countries.

• The purpose is to assist in the set-up of the necessary policy, regulatory and institutional mechanisms enabling the penetration of renewable energy sources in the energy mix of the beneficiary countries as well as increasing the energy efficiency at national level .... in accordance with each country priorities.
What is CASEP?

**CASEP components**

1. Support policy design and formulation for introduction of RES & EE nationally and regionally
2. Professional development of local partners in RES & EE policies and instruments
3. Pilot project development in the fields of RES & EE
4. Awareness raising on RES & EE
5. Co-ordination with INOGATE activities
What is CASEP?

CASEP component Activities

COMPONENT 1
Support policy design and formulation for introduction of RES & EE nationally and regionally

Key Activities (Based on agreed need for improvement and request by Beneficiary Country):

- Capacity review of MKUR (for Energy and especially RES & EE)
- Assessment of potential for use of EE & RES in Beneficiary Countries
- Support development of policy frameworks for Beneficiary Countries for development of “Sustainable Energy” policies

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CASEP component Activities

COMPONENT 2
Professional development of local partners in RES & EE policies and instruments

Key Activities:
• Assess existing capacity (and needs) of MKUR, Beneficiary Countries for professional development in fields of EE & RES
• Set up institutional development/capacity building schemes (based on above assessment)
• Implement targeted capacity building schemes
CASEP component Activities

COMPONENT 3

Pilot project development in the fields of RES & EE

Key Activities (Contingent upon availability of financing, e.g. IFCA):

• Identify a defined number of pilot projects
• Demonstrate actual benefits of these identified projects
• Design technical specifications (based on identified projects)
• Prepare tender documentation for implementation (as above)
• Design monitoring for full cycle of above projects
• Organize stake holder coordination and systems in support of these projects
• Assure replicability of these projects
• Work with International Financial Institutions to identify bankable projects for funding
CASEP component Activities

COMPONENT 4

Awareness raising on RES & EE

Key Activities:
• Assessment of current perception and awareness of EE & RES in Beneficiary Countries
• Prepare a Communications Strategy (with tools) based on above
• Prepare a Communications Action Plan, with events and activities
• Implement the above events and activities

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CASEP component Activities

COMPONENT 5

Co-ordination CASEP, INOGATE activities

Key Activities:
• Support a common CASEP, INOGATE energy interface and work for Central Asian Beneficiary Countries
• Assure coordination in visibility and information
• Assure work programs are co-ordinated, lessons-learned absorbed into work programs

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CASEP
Programme financed by the European Union
**Improvement of EE**

- The CASEP main emphasis is on introducing a new concept, **Demand-side management to improve energy efficiency**, in Beneficiary Countries.
- A more dynamic and cooperative set-up is required for such Demand-side EE project implementation, including following considerations:
  - Large number of small-scale projects requires moving from project-by-project based approach to a program approach => **assistance in preparation/up-dating of the National Energy Saving Program (NESP)**
  - The involvement of numerous stakeholders requires effective inter-institutional cooperation => **assistance in development of institutional models for implementation of the NESP**
  - Municipal level involvement in energy sector development planning is required => **assistance in development of Sustainable Energy Action Plans at municipal level (Covenant of Mayors initiative)**
Promotion of RES

- The CASEP emphasis is on \textit{introducing of sustainability criteria in RES policy planning and implementation}
- Different set-up is needed for making RES projects, especially small-scale projects, sustainable:
  - Similarly to the EE set-up, moving from a project-by-project approach to a program approach is required \Rightarrow \textit{assistance in preparation/updating of the National Strategy on RES}
  - Similarly to the EE set-up, effective inter-institutional cooperation is required
  - Many RES projects offer additional solutions by integrating EE aspects (e.g. Integrated solar energy components in EE boiler houses) and thus the active cooperation/coordination of EE and RES programs should be ensured
Work program: Overall priorities – 2014

• MKUR capacity assessment and recommendations for its increased support/ institutional strengthening in promotion of EE/RES and dedicated Regional event

• Stakeholder consultations – seminars on EE/RES policy planning and implementation (in all countries)

• Assistance in development of national level programs (NESP and NS RES – KYR and TAJ), including:
  ✓ assessment of EE/RES potential
  ✓ analysis of alternative scenarios for EE/RES development
  ✓ assessment of legal framework and suggestions for removal of barriers
Work program: Overall priorities – 2014

- Assessment of existing institutional capacity and development of capacity building programs (in all countries)

- Implementation of specific capacity building programs (energy audits in industrial enterprises – KAZ and UZB; training of RES project managers - KAZ)

- Organization of seminars on sustainability requirements to EE/RES projects (KAZ, KYR, TAJ, UZB)

- Study tours to GERM/LATV, SERB/CROA – EE/RES (KYR and TAJ)

- Regional event – Sustainable Energy Week (KAZ, KYR)

- Development of Awareness raising strategy, action plan and started implementation
Work program: Overall priorities – 2015-2016

• Implementation of specific capacity building programs (in all countries)

• Strengthening of municipal level capacity for promotion of EE/RES – following CoM efforts in development of SEAPs (KYR and TAJ)

• Study tours – EE/RES (KAZ, KYR, TAJ, TKM, UZB)

• Regional event – Sustainable Energy Week (TAJ, TBD)

• Regional event – Strengthening of municipal capacity in development of investment programs (in cooperation with CoMO East project)

• Identification of EE/RES pipelines to be financed by IFIs (KYR, TAJ, UZB)

• Implementation of Awareness raising action plan (in all countries)
Work program: Regional – 2014

- Component 1:
  - ✔ Systems, capacity and legal review of MKUR
  - ✔ Strengthening of CA RES RC technical capability in conducting of RES potential assessment and regional coordination skills
  - ✔ EU best practices:
    - Institutional models
    - Financial incentives for RES
    - Energy audits in industry

- Component 2:
  - ✔ Institutional capacity assessment of MKUR

- Component 4:
  - ✔ Sustainable Energy Weeks (Sharing of Regional Experience in Planning and Implementation of Sustainable Energy Policies: EE/RES)
  - ✔ MKUR support event

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## Work program: Regional – 2014

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STE – Short-term expert;  R – Report;  EV - Event
• Component 2:
  ✓ Institutional capacity assessment focused on Kazakhenergoexpertiza - conducted
  ✓ Capacity building plans for strengthening of Kazakhenergoexpertiza’s role as Holder of state register of companies that should conduct energy audits, CoM National coordinator - developed and implementation started
    - Training on industrial energy audits
  ✓ Training of RES Project managers in project cycle, procurements, risk management, monitoring & evaluation, etc.

• Component 3:
  ✓ Wind energy project design assistance; for Samruk Green Energy staff in usage of WindPro and FIDIC contracts conducted

• Component 4:
  ✓ Development of Awareness raising strategy, action plan and started implementation

Implemented by:
## Work program: Kazakhstan – 2014

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ST – Short-term expert;  R – report; EV – Event (seminar, training, study tour)
Work program: Kyrgyzstan – 2014

• Component 1:
  ✓ Three meetings of Inter-institutional WGr for updating of the NESP and NS RES already conducted
  ✓ Updating of the NESP:
    - Analysis of alternative scenarios for EE development
    - EE potential assessment
    - Legal framework assessment
    - Draft NESP produced (end of 2014)
  ✓ Development of NS RES:
    - RES potential assessment
    - Development of baseline scenario for RES development
    - Legal framework assessment
    - Preparation of NS RES in accordance with proposed by CASEP roadmap (start of work, which is to end August 2015)
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Work program: Tajikistan – 2014

• Component 1:
  ✓ Introductory seminars on EE policy planning and RES promotion (April 2014)
  ✓ Updating of the NESP:
    - First meeting of Inter-institutional WG (scheduled for October)
    - Analysis of alternative scenarios for EE development
    - EE potential assessment
    - Legal framework assessment
    - Draft roadmap for NESP presented to Beneficiaries by CASE
  ✓ Development of NS RES (as with NESP):
    - First meeting of Inter-institutional WG (October)
    - Analysis of baseline scenario for energy sector development including RES development
    - Legal framework assessment
    - Draft roadmap for NS RES and ToR for WG presented to Beneficiaries by CASEP

Implemented by:
Work program: Tajikistan – 2014

• Component 2:
  ✓ Institutional capacity assessment - conducted
  ✓ Capacity building plans - developed
  ✓ Study tour EE/RES - conducted

• Component 3:
  ✓ Organization of seminars on sustainability requirements to EE/RES projects

• Component 4:
  ✓ Development of Awareness raising strategy, action plan

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Work program: Turkmenistan – 2014

• Component 1:
  ✓ Seminars on EE policy planning and RES promotion (December; in coordination with the EU funded “SDP” project)

• Component 2:
  ✓ Capacity building plans - developed
    - Training on development of awareness raising campaigns (in coordination with the EU funded “SDP” project)

• Component 4:
  ✓ Development of Awareness raising strategy and action plan (in coordination with the EU funded “SDP” project)

Implemented by:
# Work program: Turkmenistan – 2014

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Work program: Uzbekistan – 2014

- Component 1:
  ✓ Seminars on EE policy planning and RES promotion
- Component 2:
  ✓ Capacity building plans developed and implementation started:
    - Training on development of institutional set-up and capacity building for quality control of industrial energy audits conducted (one seminar done with the World Bank – UzEEF, follow-up TBA)
- Component 3:
  ✓ Assistance in technical design of solar PV-based electricity supply to about 400 Rural Health Centres (RHC)
- Component 4:
  ✓ Development of Awareness raising strategy and action plan
## Work program: Uzbekistan – 2014

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<td>3.a: Identification of pilot projects</td>
<td>Identified pilot RHCs</td>
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<td>3. c: Design the technical specifications for the pilot projects</td>
<td>Design of solar PV-based electricity supply to RHCs</td>
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<td>4 (a, b, c, d): Awareness raising</td>
<td>Awar. raising strategy, action plan and implem.</td>
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Sustainable Energy Programme for Central Asia: Renewable Energy Sources - Energy Efficiency (CASEP)

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THANK YOU!

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