



**REPORT<sup>1</sup>**  
**UN Special Programme for the Economies of Central Asia (SPECA)**  
**17<sup>th</sup> session of the SPECA Project Working Group on Water and Energy Resources**  
**5 November 2009, Bishkek, Kyrgyzstan**

**A. ORGANIZATION OF THE MEETING**

1. The 17 session of the SPECA Project Working Group (PWG) on Water and Energy Resources took place in Bishkek, Kyrgyzstan on 5 November 2009. The meeting was organized by the United Nations Economic Commission for Europe (UNECE) and the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP).
2. 29 participants took part in PWG session, including delegations from Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan, with observers from Mongolia, and the Russian Federation. and representatives from UNDP, Asian Development Bank, Eurasian Bank of Development, EurAsEC, the International Fund for Saving the Aral Sea (IFAS), USAiD, CAREC and the European Union. The list of participants is attached. (Annex 1)
3. The Meeting was chaired by Mr. Almaz Stamaliiev, Ministry of Energy, Kyrgyzstan, and opened by Mr. Adam Sek, Regional Adviser, Sustainable Energy Division of UNECE.
4. Participants approved the following agenda:
  1. Opening of the session
  2. Selection of officials
  3. Adoption of the agenda
  4. Review of the implementation of the work plan for 2009 and possible future priority activities
  5. Adoption of the work plan for 2010
  6. Cooperation with other international organizations
  7. Other matters
  8. Adoption of conclusions and recommendations.
5. The Programme of the 17<sup>th</sup> session of the Project Working Group on Water and Energy Resources is attached. (Annex 2)

**B. CONCLUSIONS AND RECOMMENDATIONS**

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1. Participants approved the following conclusions and presented the following recommendations for consideration by the SPECA Coordinating Committee and the SPECA Governing Council:

***Adoption of conclusions and recommendations.***

The PWG participants noted the progress in implementing the Baku Initiative on Energy Efficiency and Conservation and recommended to the Governing Council the following conclusions and recommendations:

- A. The participants agreed to extend their cooperation to the project that would develop a set of guidelines on effective institutional arrangements in implementing national energy efficiency policies by providing the necessary policy information.
- B. Following the successful initiative of the UNECE in developing a financing scheme by creating an enabling environment to promote private sector investment in energy efficiency, the proposal to replicate a similar initiative was considered within the framework of the Global Energy Efficiency 21 project.
- C. In this connection, it was recommended that more activities with respect to the benefits of this initiative needed to be explained to the member States. UNECE will be holding a workshop in Kiev to introduce some case studies related to removing policy barriers for private sector financing and a similar type of seminar could also be organized in Central Asia in developing a project that would meet the specific conditions and needs of Central Asia.
- D. It was agreed that energy efficiency in the buildings sector should be prominently featured in the development of the regional concept and guidelines on energy efficiency. It was also requested that the United Nations support member States in developing appropriate standards for sustainable buildings
- E. It was recommended that steps towards the development of a SPECA regional concept on energy efficiency should start with a detailed analysis of the existing legislative framework, utilizing existing similar studies as much as possible so as not replicate activities. Member States and participating international organizations agreed to provide information and studies already available to ensure that activities in developing the concept are not duplicated.
- F. Participants of the PWG recommended that an online forum be utilized to allow experts from different countries with Central Asia to communicate and post relevant information and best practices. It was suggested that an existing web platform could be used such as the one developed by UNDP.
- G. It was also recommended that the previous strategy developed could be revised to incorporate this new information collected.
- H. The PWG participants requested that the possibility and modality of establishing a subregional institution be reviewed in association with the development of a SPECA

regional concept. It was also suggested that 2010 could be used as an inception period to develop a long term strategy based on the preliminary studies and exchanges by experts.

- I Participants of the PWG welcomed the UNECE project “Development of the renewable energy sector in the Russian Federation and CIS countries – prospects for interregional cooperation” and agreed to support it by including its outcome in their energy strategies. In addition, The project is financed by the Russian Federation. Member States recognized the need to establish regional principles for promoting renewable energy at a legislative level and with regard to the best practices and local conditions.
- J In enhancing climate change mitigation which requires decarbonising their economies, the participants of PWG welcomed information on the ECE project “Enhancing investment on advanced fossil fuel technologies for climate change mitigation and sustainable development in countries with economies in transition”. The participants recognised the key role of investment into advanced fossil fuel technologies to support energy security and low carbon sustainable development along with the importance of establishment of the principles of regional regulatory norms..
- K Concerning the Dam Safety Cooperation in Central Asia the participants of the PWG made the following decisions and recommendations :
- L Participants of the PWG welcomed the progress in implementing of Phase II of the “Dam Safety in Central Asia:Capacity Building and Regional Cooperation Project”  
The project is implemented by ECE and aimed at the improvement of the national legislation and state regulation in the field of dam safety in participating countries and strengthening of the regional cooperation in this field.  
The project is implemented in the context of the Programme on improvement of environmental and socioeconomic situation in the Aral Sea Basin-2 for the period 2003 to 2010 (ASBP-2) implemented by IFAS. It is also a part of the Environment and Security Initiative (ENVSEC) and is financed by the Government of Finland with partial financial support of the Government of the Russian Federation.
- M. Concerning the support for improvement of national legislation on the safety of hydrotechnical structures the PWG participants recommended to continue the support within the framework of the project to the countries interested in improvement of their national legislations based on the Model Law on the Safety of Hydrotechnical Structures in the form of consultations or independent reviews of draft legislations.
- N Concerning the development of documentation for regulatory and technical management for the safety of hydrotechnical structures the PWG participants recommended
  - 1. To consider the Terms of Reference as a basis and to recommend to use it in the development of a model technical regulation “Provision of the Safety of Hydrotechnical Structures” taking into account proposals on its content made by the participants of the Dam Safety meeting.
  - 2. To continue the work on the preparation of a model technical regulation “Provision of the Safety of Hydrotechnical Structures”

**Agenda item 5: Adoption of the work plan for 2010**

The PWG reviewed the proposed work plan for 2010 and endorsed its implementation (Annex 5)

**Agenda item 6: Cooperation with other international organizations**

The PWG noted the possibility of extending the cooperation with other international organizations

**Agenda item 7 Other matters**

No other matters were raised under this agenda item.

**Agenda item 8: Adoption of conclusions and recommendations.**

The PWG adopted its report on 5 November 2009.

Almaz Stamaliev, Ministry of Energy, Kyrgyzstan  
Chairperson, 5 November 2009,

## **Annex I**

### **SPECA Project Working Group on Water and Energy Resources**

5 November 2009  
Bishkek, Kyrgyzstan

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## **Annex II**

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

IN COLLABORATION WITH

UNITED NATIONS ECONOMIC AND SOCIAL COMMISSION FOR ASIA AND  
THE PACIFIC

### **SPECA Project Working Group on Water and Energy Resources Seventeenth session**

5 November 2009 Bishkek,  
Kyrgyzstan

#### **Programme**

##### **0930 - 1000 Registration**

##### **1000 - 1015 Agenda item 1 - Opening session**

Opening statement by H.E.Mr. Akylbek Tumenbaev, Deputy Minister, Ministry of Energy of Kyrgyzstan.

A joint message from the Economic and Social Commission for Asia and the Pacific (ESCAP) and the Economic Commission for Europe (ECE).

##### **1015 – 1030 Agenda item 2 - Election of officers**

The Deputy Minister, Ministry of Energy of Kyrgyzstan, H.E.Mr. Akylbek Tumenbaev will preside over the Working Group.

##### **1030 – 1100 Agenda item 3 - Adoption of the agenda**

The provisional agenda and programme will be considered and adopted by the PWG.

##### **1100 - 1230 Agenda item 4 - Review of work plan implementation**

- a. Review of energy activities  
The PWG will be review the outcome and recommendations from the Workshop on Energy Efficiency in SPECA Countries.
- b. Review of water activities  
The PWG will review on-going activities in the water sector that has been included in the work plan and contribute to the implementation of the SPECA cooperation strategy on the rational use of energy and water
- c. Review of other activities

##### **1230 – 1330 Lunch**

**1330 - 1400 Agenda item 5 - Adoption of the work plan for 2010**

The PWG will discuss and adopt the work plan for 2010.

**1400 - 1430 Agenda item 6 - Cooperation with other international organizations**

PWG will consider the possibility of the cooperation with other international organizations.

**1430 - 1445 Agenda item 7 - Other matters**

The PWG may raise any other matters not covered under the agenda items mentioned above.

**1445 – 1530 Agenda item 8 - Adoption of conclusions and recommendations**

The PWG will adopt its report, which will serve as a record to provide further guidance for the work to be implemented within the framework of the SPECA PWG on Water and Energy Resources.

## Annex III

**UNECE**

United Nations Economic Commission  
for Europe



**ESCAP**

United Nations Economic and Social  
Commission for Asia and the Pacific

5 November 2009

### REPORT

#### **Workshop on Energy Efficiency in SPECA Countries**

2 - 5 November 2009

Bishkek, Kyrgyzstan

#### **I. Background and organization**

1. The Workshop on Energy Efficiency in SPECA Countries was held in Bishkek, Kyrgyzstan from 2 to 5 November 2009 and organized by the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) and the Economic Commission for Europe (UNECE). The objective of the Workshop were to (a) further develop strategies for the implementation of the Baku Initiative for energy efficiency and conservation, and (b) discuss the potential for scaling up activities already being undertaken. The annotated agenda and programme are attached as Annexes I and II.
2. The Workshop was attended by 27 participants comprising Government officials, specialists and experts from Azerbaijan, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan and Uzbekistan as well as representatives from the Asian Development Bank, EurAsEC, the Eurasian Development Bank, the European Reconstruction and Development Bank, the Regional Environmental Centre for Central Asia, UNDESA, UNDP Kyrgyzstan and the USAID. The list of participants is attached as Annex III.

#### ***Agenda Item 1: Opening of the session***

3. The Workshop was opened on 2 November 2009 by Mr Almaz Stamaliev on behalf of H.E. Mr Akylbek Tumenbaev, Deputy Minister of Energy, Kyrgyzstan. Mr Stamaliev informed the Meeting that the new Government of Kyrgyzstan is in place and the Ministry has been renamed as the Ministry of Energy. He expressed his expectation from the Meeting as well as a successful conclusion to the Meeting.
4. On behalf of United Nations Regional Commissions (ESCAP and UNECE), Mr Adam Sek welcomed the participants to the Workshop. Mr Sek briefed the meeting participants on the objectives of the meeting and expectation towards strengthening regional cooperation on energy efficiency.

#### **II. Summary of Discussion**

#### ***Agenda Item 2: Overview of previous recommendations***

5. The secretariat provided an overview of the outcomes of the 2008 Workshop as well as the progress made on those outcomes as summarized below:

- i. *Recommendation 1: facilitate the establishment of a network of energy efficiency centres in Central Asia.*  
 ESCAP is currently implementing a project entitled “Strengthening Institutional Capacity to Support Energy Efficiency in Selected Asian Countries”, which includes country-level activities in Central Asia.
- ii. *Recommendation 2: development of a SPECA region concept on energy efficiency.*  
 ESCAP has submitted a project proposal entitled “Supporting the implementation of the Baku initiative on energy efficiency and conservation for sustainable and inclusive development” to the Russian Federation for possible financing. The project will focus on developing a SPECA region concept and guidelines on energy efficiency for Central Asia as well as priority activities for further consideration by the SPECA member States.
- iii. *Recommendation 3: promote sustainable building practices*  
 Within the framework of the Development Account Project on Eco-Efficient and Sustainable Urban Infrastructure Development in Asia and Latin America, ESCAP is currently supporting a preliminary study in Tajikistan to identify economic benefits and alternative financing opportunities in municipal buildings.

***Agenda Item 3: Country presentations on challenges and opportunities in promoting energy efficiency***

Uzbekistan

6. Mr Romen Abdullaevich Zakhidov, Institute of Power Engineering, Tashkent informed the Workshop on the energy efficiency status in Uzbekistan. In response to the global economic crisis, Uzbekistan is focusing on modernization and technology upgrade in large industries including developing standards and implementation of measures to reduce losses under the framework of the state anti-crisis programme. The priority programmes aimed at modernization and improving export potentials by developing 300 investment projects amounting to 24 billion USD. However, it was noted that there is need to mobilize necessary financial resources. The needs to further strengthen legislative framework in promoting investment as well as to strengthen private sector participation were noted. And in this context, during the discussion session, it was noted that it would be important to address energy efficiency in the context of energy sector reforms and modernization in Central Asia by addressing the issues of energy efficiency legislation harmonization and promotion of best practices in the area of clean energy technologies.

Mongolia

7. Mr Batryenchin Sharav, Ministry of Mineral Resources and Energy of Mongolia presented the potential of primary energy resources including reserves of fossil fuels and renewable energy, the present situation of the energy sector of Mongolia, completed and ongoing projects and their results in the field of energy efficiency and conservation, and future trends and plans in this area. Mr. Batryenchin also highlighted the necessity of legislation for energy efficiency as well as for public private partnerships in the energy sector of Mongolia.

Tajikistan

8. Mr Georgy Petrov, Institute of Water Problems, Hydro Power Engineering and Environment of the Academy of Sciences, Dushanbe, presented the energy efficiency situation in Tajikistan. As 98% of the energy resources come from hydropower, the emission of greenhouse gases from Tajikistan is very low. However, the role of energy efficiency is well recognized as a means to further develop the economy. Legislative mandates on energy efficiency exist in Tajikistan, but

there are no clear strategies to implement these laws. However, measures to reduce energy consumption through the promotion of energy efficient light bulbs to 3.5 million people with subsidies to the poor will be implemented. Tajikistan has a vast untapped hydropower potential, which could contribute to the formation of a unified system, if constructed. Mr. Mansur Sharipov elaborated further on planned constructions and expansion of the electric power sector in Tajikistan, including collaboration with and financing from neighbouring countries.

#### Azerbaijan

9. Mr. Iftihar Huseynov provided an overview of the energy situation and activities in Azerbaijan. Since 2000, the Government of Azerbaijan has been increasing its electric power capacity and now exports electricity to neighbouring countries. Metering of electric power was installed over the last few years which have facilitated the collection of fees for electricity supply. In addition, in 2007 a single electricity tariff was established for all consumers which have, in some cases, lead to a 200 per cent increase in the electricity tariff. This has stimulated energy efficiency activities among consumers. Azerbaijan is also experiencing considerable demolition and construction of buildings in recent years, which has led to greater energy efficiency of these buildings. In addition, this year a presidential decree was adopted on establishment of an Agency on alternative and renewable energy sources under the Ministry of Industry and Energy.

#### Kyrgyzstan

10. Mr. Almaz Stamaliev presented the situation in Kyrgyzstan, with a particular focus on changes made by the recently formed new government. One significant amendment includes changing the Ministry of Industry, Energy and Fuel Resources to the Ministry of Energy, which will include offices on renewable energy and energy efficiency. A number of decrees have been passed through parliament on issues related to energy, including the construction of a new hydropower station, the creation of an agency on small hydro power, the privatization of the electricity sector, and the electrification of remote villages. National programmes focus on energy safety, energy security and national energy policy, but also emphasise regional cooperation in Central Asia with respect to energy. Energy efficiency programmes are incorporated into the energy programme. The energy conservation law has been in place for some time but was amended last year, primarily to establish an energy efficiency fund.

#### Kazakhstan

11. Mr German Trofimov from the Kazakhstan Union of Power Engineers informed the Workshop on the status of energy supply, energy efficiency and renewable energy in Kazakhstan. Mr Trofimov noted that currently the energy supply in Kazakhstan is self-sufficient. However, as resources are depleted, he noted the urgency in promoting energy efficiency, particularly given the huge potential for energy savings in Kazakhstan. Low energy efficiency is due to outdated equipment and the concentration of heavy industries in Kazakhstan. Currently there is no department on energy efficiency in Kazakhstan. A new law on energy efficiency is being prepared to replace the existing law adopted in 1997. Also in reaping the huge potential of renewable energy, the Government of Kazakhstan has also adopted the renewable energy law in 2009 together with a set of strategies up to 2024. Mr. Trofimov also suggested that a regional centre on energy efficiency would benefit the activities being undertaken on this subject in the SPECA region, and that Kazakhstan Science and Research Energy Institute has enough space and resources to establish this kind of Centre.

#### ***Agenda Item 4: Energy efficiency institutions***

12. As a follow-up to the recommendations made at the Workshop in Almaty in 2008, ESCAP has secured funds to implement a capacity building project in three subregions of Asia, (Central Asia, South and South-East Asia) with financial contribution from the Republic of Korea and in collaboration with EurAsEC in Central Asia. Mr Sergey Molodtsov, Consultant to the project, briefed the meeting participants on the preliminary findings of the study currently undertaken in Central Asia. The Study recognizes the good progress made in Central Asia with respect to institutional building to support the promotion of energy efficiency and also noted the increased number of highly qualified professionals in this field. Given these improvements, the challenge in developing effective institutions in promoting energy efficiency hinges on the existence of a clear legislative authority and the structure to respond to it, the capacity to coordinate and communicate with other strategic stakeholders, and sustainable financing mechanisms.
13. The Meeting was appreciative of the study and provided feedback to the consultant for further consideration. specifically: (a) the comparison among various models of energy efficiency institutions including those from Belarus, Ukraine and the Russian Federation; and (b) considering the limited financial resources of the Governments, the innovative financing mechanism to sustain these institutions.
14. In enhancing effective implementation of energy efficiency policies, the member States of SPECA recognized the critical role that energy efficiency centers could play in realizing implementation of policies. Member States of SPECA agreed to extend their cooperation to the ESCAP project by providing the necessary policy information. Member States also deliberated on the possibility and modality of establishing a subregional institution as well as the benefits of having a network of energy centres.

***Agenda Item 5: Global Energy Efficiency 21 project***

15. In pursuance of energy efficiency in Central Asia, member States of SPECA recognized the need to improve the enabling environment to mobilize the necessary financial resources in implementing energy efficiency projects. One such modality is to strengthen policies and regulatory arrangements to foster energy efficiency market formation and attract private sector investment in energy efficiency. Based on the successful implementation of the Energy Efficiency 21 Initiative by the United Nations Economic Commission for Europe (UNECE), a proposal was made by the UNECE and ESCAP to replicate the initiative in the Asian region including Central Asia. The Initiative by UNECE was successfully developed to meet the needs of the participating member States in strengthening their capacity to increase the level of investment in energy efficiency. Mr Oleg Dzioubinski and Mr Gianluca Sambucini, Sustainable Energy Division of UNECE, and Mr Kohji Iwakami, Environment and Development Division, ESCAP, provided the basic information relevant to the development of a suitable initiative for Central Asia.
16. Building on the issues that were being discussed at the Workshop, including those relevant to the need to establish a more comprehensive framework of policies, strategies, institutions and financing mechanisms, the Initiative was perceived to have benefits. However, further discussions on the merits and process in developing the project would be necessary. Organization of an event similar to the one to be held in Kiev, which will be reviewing case studies on overcoming barriers to investments into energy efficiency and renewable energy projects through policy reforms, could also enhance the understanding of the objectives of this comprehensive and integrated initiative. It was noted that UNDP will be holding an international conference on sustainable building design in May 2010, and recommended that a meeting similar to the one held in Kiev could be held in association with this meeting.

17. Member States decided to consider supporting the development and implementation of this initiative by: (a) collaborating with the United Nations systems in developing the project document through appropriate national agencies; and (b) liaising with GEF national focal points to obtain the necessary support. ESCAP will take the lead in close consultation with UNECE in developing the project document.

***Agenda Item 6: Energy efficiency in municipal buildings***

18. Mr. Batryenchin Sharav provided an overview of activities related to energy efficiency in buildings in Mongolia. Specifically, a project by UNDP was presented which involved improving the regulations for buildings to be energy efficient in construction and design.
19. Ms Rodina Elena, UNDP Kyrgyzstan informed the Workshop of an initiative of UNDP in implementing two pilot projects in Kyrgyzstan on energy efficient buildings. The Government of Kyrgyzstan has set up legislative support for the effective implementation and replication of this project. The legislation requires all building designs to follow new standards as of January 2010. Although it took four years to develop this project, it is expected to demonstrate the benefits of energy efficiency buildings for wider replication. The Workshop participants were particularly encouraged by similar initiatives being proposed by the Government of Uzbekistan under UNDP GEF as well as the demonstration projects implemented in Mongolia.
20. Taking these various initiatives in the subregion into account, it was agreed to continue exchanging information on the progress of these projects for the purpose of identifying effective measures to replicate them. In this connection, it was agreed that the buildings sector should be prominently featured in the development of the regional concept and guidelines. It was also requested that the United Nations support member States in developing appropriate standards for sustainable buildings.

***Agenda Item 7: Development of the renewable energy sector in the Russian Federation and CIS countries – prospects for interregional cooperation***

21. Mr. Adam Sek of UNECE presented the project “Development of the renewable energy sector in the Russian Federation and CIS countries – prospects for interregional cooperation” to the Workshop participants, the main objective of which is to promote interregional cooperation to overcome energy policy, regulatory, institutional and financial barriers to the development of renewable energy resources in the Russian Federation and CIS countries. The project expects to achieve (a) increased capacity of national and regional experts to identify and adopt measures to overcome barriers to the development of renewable energy resources; and (b) an enhanced investment climate for deployment of renewable energy technologies in the Russian Federation and CIS countries.
22. During discussions on this project it was emphasized that the project focuses on subregional cooperation and that there were plans to continue in this area. It was also emphasized that projects should not duplicate work which has already been undertaken.
23. Mr Romen Abdullaevich Zakhidov presented the situation regarding renewable energy globally and in Central Asia, followed by specific examples in Uzbekistan. Mr. Mansur Sharipov also provided an overview of activities in Tajikistan regarding renewable energy, including the role of regional cooperation in the energy policies of Tajikistan.

24. In enhancing effective implementation of sustainable energy and green economy development, the member states of SPECA recognised the crucial role of renewable energy development in the Central Asian region. With the view to further promote its development, the Member States of SPECA welcomed the ECE project “Development of the renewable energy sector in the Russian Federation and CIS countries – prospects for interregional cooperation” and decided to support it with a view to eventually by including its outcome in their energy strategies, especially considering the role of regional cooperation on renewable energy development in their national energy policies. In this connection, the need to establish regional principles of promoting renewable energy at a legislative level and with regard to the best practices and local conditions was recognized.

***Agenda Item 8: Enhancing investment on advanced fossil fuel technologies for climate change mitigation and sustainable development in countries with economies in transition.***

25. Mr. Adam Sek presented the project “Enhancing investment on advanced fossil fuel technologies for climate change mitigation and sustainable development in countries with economies in transition” which will begin in 2010 and run until 2011. The objective of this project is to enhance the governments’ ability to attract FDI into advanced fossil fuels technologies to support energy security and low-carbon sustainable development. To the extent possible, a regional approach would be taken to optimize resources, encourage cross-fertilization, and build partnerships among regional and international experts. Afghanistan, China, India, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, Ukraine, and Uzbekistan were invited to participate in this project.

26. In enhancing climate change mitigation which requires decarbonising their economies, the Member States of SPECA welcomed information on the UNECE project funded by the UN Development Account and to be implemented by UNECE and UNDESA from 2010. The Member States of SPECA recognised the key role of investment into advanced fossil fuel technologies to support energy security and low carbon sustainable development. Also recognized was the importance of establishing principles for regional regulatory norms that would allow the use of “green” energy generated from renewable energy sources in one country for off-setting “dirty” energy consumption in another country with the purpose to potentially attract investment for the development of renewable energy under the Clean Development Mechanism of the Kyoto Protocol and UNFCCC.

***Agenda Item 9: SPECA regional concept on energy efficiency***

27. A presentation was made by Ms. Valentina Kasymova relating to interregional cooperation suggesting issues that could be adopted for a SPECA regional concept on energy efficiency.

28. Participants discussed the underlying principles and long term vision of a regional concept on energy efficiency, the activities that could be achieved in the short term, and the other projects or studies that could support this concept. It was suggested that a detailed analysis of the existing legislative framework could be undertaken. This should, however, utilize existing similar studies as much as possible and not replicate activities. In addition, it was recommended that an online forum be utilized to allow experts from different countries within Central Asia to communicate and post relevant information and best practices. A number of web forums already exist for this purpose and it was suggested that the web platform on environmental issues already developed by UNDP could be used for this purpose ([www.caresd.net](http://www.caresd.net)). Alternatively, a website specifically for energy efficiency in buildings is also being developed by UNDP. It was also recommended that the previous strategy developed could be revised to incorporate this new information collected.



29. It was recognized that institutions were important in developing and implementing energy efficiency policies and programmes, particularly for collaborating in the development of a SPECA regional concept. In this regard, it was requested that the possibility and modality of establishing a subregional institution be reviewed. It was also suggested that 2010 could be used as an inception period to develop a long term strategy based on the preliminary studies and exchanges by experts.
30. SPECA Member States and international organizations expressed their appreciation to the representative from EurAsEC for sharing information on the ongoing work related to the establishment of an integrated energy market and on the analysis and harmonization of the energy legislation in the EurAsEC member states. Other international organizations undertaking studies and Member States agreed to also provide information that will assist in the development of a regional concept on energy efficiency.

***Agenda Item 10: Other matters.***

31. No other matters were raised.

***Agenda Item 11: Adoption of conclusions and recommendations.***

32. In support of the implementation of the Baku Initiative on Energy Efficiency and Conservation adopted by the Governing Council in 2006, the Workshop participants recommended to the PWG-Water and Energy Resources to endorse the following conclusions and recommendations:
  - I. Member States of SPECA agreed to extend their cooperation to the project that would develop a set of guidelines on effective institutional arrangements in implementing national energy efficiency policies by providing the necessary policy information.
  - J. Following the successful initiative of the UNECE in developing a financing scheme by creating an enabling environment to promote private sector investment in energy efficiency, the proposal to replicate a similar initiative was considered within the framework of the Global Energy Efficiency 21 project.
  - K. In this connection, it was recommended that more activities with respect to the benefits of this initiative needed to be explained to the member States. UNECE will be holding a workshop in Kiev to introduce some case studies related to removing policy barriers for private sector financing and a similar type of seminar could also be organized in Central Asia in developing a project that would meet the specific conditions and needs of Central Asia.
  - L. It was agreed that energy efficiency in the buildings sector should be prominently featured in the development of the regional concept and guidelines on energy efficiency. It was also requested that the United Nations support member States in developing appropriate standards for sustainable buildings
  - M. SPECA Member States recommended that steps towards the development of a SPECA regional concept on energy efficiency should start with a detailed analysis of the existing legislative framework, utilizing existing similar studies as much as possible so as not replicate activities. Member States and participating international organizations agreed to

provide information and studies already available to ensure that activities in developing the concept are not duplicated.

- N. In addition, it was recommended that an online forum be utilized to allow experts from different countries with Central Asia to communicate and post relevant information and best practices. It was suggested that an existing web platform could be used such as the one developed by UNDP.
- O. It was also recommended that the previous strategy developed could be revised to incorporate this new information collected.
- P. Member States requested that the possibility and modality of establishing a subregional institution be reviewed in association with the development of a SPECA regional concept. Mr. Trofimov recommended that the Kazakhstan Science and Research Energy Institute could be used to establish this kind of Centre. It was also suggested that 2010 could be used as an inception period to develop a long term strategy based on the preliminary studies and exchanges by experts.
33. Member States of SPECA welcomed the UNECE project “Development of the renewable energy sector in the Russian Federation and CIS countries – prospects for interregional cooperation” and agreed to support it by including its outcome in their energy strategies. In addition, Member States recognized the need to establish regional principles for promoting renewable energy at a legislative level and with regard to the best practices and local conditions.
34. In enhancing climate change mitigation which requires decarbonising their economies, the Member States of SPECA welcomed information on the ECE project “Enhancing investment on advanced fossil fuel technologies for climate change mitigation and sustainable development in countries with economies in transition”. The Member States of SPECA recognised the key role of investment into advanced fossil fuel technologies to support energy security and low carbon sustainable development along with the importance of establishment of the principles of regional regulatory norms.
35. To ensure consistency of translation and communication on issues related to energy, it is recommended that an English-Russian-Turkic dictionary on energy efficiency and renewable energy be developed.
36. The conclusions and recommendations of the Workshop were adopted by the participants of the Workshop. The Conclusions and Recommendations will further be submitted to the 17th session of the Project Working Group on Water and Energy Resources to be held on 5 November 2009.

## ANNEX 4

**UNECE**

United Nations Economic Commission  
for Europe



**ESCAP**

United Nations Economic and Social  
Commission for Asia and the Pacific

5 November 2009

### **Workshop on Energy Efficiency in SPECA Countries**

2 - 5 November 2009  
Bishkek, Kyrgyzstan

#### **ANNOTATED PROVISIONAL AGENDA**

**1. Opening of the session.**

Opening statements will be delivered by ESCAP and UNECE. The agenda will be presented for adoption and the purpose and expectations of the workshop will be briefly presented and discussed.

**2. Overview of previous recommendations.**

An overview of the previous discussions and recommendations relevant to the Baku Initiative on Energy Efficiency and Conservation will be provided to form a background for discussions to follow.

**3. Country Presentations on Challenges and Opportunities in promoting energy efficiency**

Country participants will provide an overview of their national activities and policies related to energy efficiency and the energy sector in general.

**4. Energy efficiency institutions.**

Based on another recommendation from the 2008 *Workshop on Energy Efficiency Opportunities in Central Asia including SPECA Countries*, the work undertaken on energy efficiency institutions in Central Asia by ESCAP, and other organizations as available, will be presented for feedback and discussion to ensure all the necessary issues are covered. The future activities will also be presented to obtain feedback on the linkages between current projects and how these can be built upon to develop a network of energy efficiency institutions and support the work of the previous agenda item. Discussions should result in an analysis of key barriers to establishing a network of institutions and recommendations of actions that could overcome these barriers. Building on the previous agenda item, a general plan of action for the following one to five years should also be incorporated in these recommendations.

## **5. Energy efficiency in municipal buildings.**

The 2008 Workshop recommended that a project to promote sustainable building practices be developed in the region, along with a number of demonstration projects within public buildings. Though a small scale study related to this is being undertaken by ESCAP, a proposal for this larger-scale is still under development and would require considerable information from key stakeholders nationally.

Various organizations within and external to the SPECA region have experience in applying energy efficiency technologies and practices to municipal buildings within the SPECA region and in other countries with similar climates. These will be presented for the purpose of knowledge sharing and compiling issues that are important for consideration when developing a project of this size. In particular, discussions should highlight how the initial financing for retrofitting buildings was obtained and other innovative financing options that could be available nationally.

## **6. Global Energy Efficiency 21 project.**

The *Global Energy Efficiency 21: Cooperation between the United Nations regional commissions on energy efficiency for climate change mitigation* project was launched by UNECE in December 2008 during a side event to the United Nations Climate Change Conference (COP-14) in Poznan. The project aims to build on the success of the UNECE project “Energy Efficiency 21 (EE21)” by developing a mechanism to replicate it in other Regional Commissions. In 2007, the EE21 project resulted in the creation of a €354 million investment fund for financing energy efficiency and renewable energy projects in 12 countries of Eastern Europe, Central Asia and South-Eastern Europe. The EE21 project specifically works with countries to support the formation of an energy efficiency market through building the capacity of local experts to develop projects, working with local authorities on government policy reforms, and facilitating opportunities for project finance through externally managed public-private partnership investment funds.

From late 2009 to 2010, a project proposal will be developed by ESCAP, with the assistance of ECE, to explore options for replicating the success of EE21 in Asia and the Pacific. Given that some Central Asian countries have already been involved in EE21, this project profile and the potential opportunities and barriers as they relate to Central Asia will be discussed during the Workshop to obtain valuable information required to prepare the project proposal.

The EE21 project will be presented and the experience and barriers to inclusion of some countries from Central Asia will be discussed. This discussion should link to the previous two agenda items as the establishment of an enabling environment would require the right policies and institutional mechanisms, which could be supported through regional cooperation.

## **7. Development of the renewable energy sector in the Russian Federation and CIS countries – prospects for interregional cooperation.**

The Russian Federation and countries of the Commonwealth of Independent States (CIS) are endowed with very significant renewable energy resources, though the current contribution of solar, tide, wind, hydro, geothermal and bio-fuels is less than 5 per cent of total primary energy consumption.

The main objective of the project is to promote interregional cooperation to overcome energy policy, regulatory, institutional and financial barriers to the development of renewable energy resources in the Russian Federation and CIS countries.

It is expected that the project would result in (a) increased capacity of national and regional experts to identify and adopt measures to overcome barriers to the development of renewable energy resources; and (b) an enhanced investment climate for deployment of renewable energy technologies in the Russian Federation and CIS countries.

The activities under the project Development of the renewable energy sector in the Russian Federation and CIS countries – prospects for interregional cooperation will be presented by UNECE. This will include the problems and achievements so far, future activities and recommendations for follow-up work beyond the completion of the project. In developing future activities under the previously mentioned agenda items, discussions will highlight the linkages with this project for the purpose of building on work already undertaken to avoid unnecessary replication.

## **8. Enhancing Investment on Advanced Fossil Fuel Technologies for Climate Change Mitigation and Sustainable Development in Countries with Economies in Transition (2010-2011)**

Mitigating climate change will require de-carbonizing the global economy through the promotion of cleaner advanced energy technologies. Intergovernmental consultations at 15th session of the Commission on Sustainable Development (CSD-15) have shown that fossil fuels will continue to be the largest energy source in many developing countries in coming decades. The challenges are to attract the investment necessary to support the transition to a low carbon economy.

The objective of the project is to enhance the governments' ability to attract FDI into advanced fossil fuels technologies to support energy security and low-carbon sustainable development. To the extent possible, a regional approach would be taken to optimize resources, encourage cross-fertilization, and build partnerships among regional and international experts.

The project will briefly be presented by UNECE and the following countries would be invited to participate: Afghanistan, China, India, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, Ukraine, and Uzbekistan.

## **9. SPECA regional concept on energy efficiency.**

One of the recommendations from the 2008 *Workshop on Energy Efficiency Opportunities in Central Asia including SPECA Countries* was the development of a SPECA regional concept on energy efficiency to help guide national energy efficiency programmes. This concept would include information on the current situation in SPECA countries and possible activities or goals over the next five years.

During the workshop, the opportunities and barriers to developing a SPECA regional concept on energy efficiency will be discussed, and a review of work undertaken by various organizations that support this initiative will also be presented. A facilitated discussion will develop a plan of action to identify the key guiding principles of this concept and plan for specific activities for 2010 and beyond.

Based on discussions over the course of the Workshop, key recommendations will be summarized and compiled, including the allocation of activities and responsibility at various levels from national, subregional and international organizations. These recommendations will be incorporated into the report of the Workshop.

**10. Other matters.**

Other matters not covered under the agenda will be raised and discussed, if necessary.

**11. Adoption of conclusions and recommendations.**

The report from the Workshop will be provided for comments and adopted by participants of the meeting. This report will then be submitted to the Project Working Group on Water and Energy Resources for adoption at its seventeenth session.

## ANNEX III

**UNECE**

United Nations Economic Commission  
for Europe



**ESCAP**

United Nations Economic and Social  
Commission for Asia and the Pacific

5 November 2009

### Workshop on Energy Efficiency in SPECA Countries

2 - 5 November 2009  
Bishkek, Kyrgyzstan

#### Programme

2 November 2009

- |           |  |
|-----------|--|
| 0830-0900 | Registration   |
| 0900-0930 | Agenda Item 1: Opening of the session.<br>Opening Statement by Mr. Akylbek Tumenbaev, Deputy Minister, Ministry of Industry, Energy and Fuel Resources of Kyrgyzstan<br>Welcome Remarks from ECE/ESCAP, Mr. Adam Sek, UNECE                                  |
| 0930-0945 | Agenda item 2: Overview of previous recommendations and introduction to the Workshop<br>Ms Kelly Hayden, ESCAP   |
| 0945-1030 | Agenda item 3: Country Presentations on Challenges and Opportunities in promoting energy efficiency:<br>1. Uzbekistan  |
| 1030-1045 | Coffee Break   |
| 1045-1200 | Cont'd Country Presentations on Challenges and Opportunities in promoting energy efficiency<br>2. Tajikistan<br>3. Mongolia<br>Discussion  |
| 1200-1330 | Lunch  |
| 1330-1500 | Agenda Item 4: Energy efficiency institutions<br>Mr Sergey Molodtsov, Deputy Director on Science,<br>Centre for Energy Policy, Moscow, Russian Federation<br>Discussion: Appropriate institutional mechanisms in promoting energy efficiency in Central Asia |

- 1500-1515 Coffee Break
- 1515-1630 Agenda Item 5: Energy efficiency in municipal buildings  
Mr Georgy N. Petrov, Senior Energy Expert, Department of the Institute of Water Problem, Academy of Science, Dushanbe, Tajikistan  
Mr. Batryenchin Sharav, Senior Energy Specialist, Ministry of Mineral Resources and Energy Mongolia, Project on energy efficiency in buildings in Mongolia  
Discussion: How to upscale and apply this to other countries in the region.
- 1800- Welcome dinner

3 November 2009

- 0900-1015 Agenda Item 5: Energy efficiency in municipal buildings continued  
GEF project on energy efficiency in buildings in Kyrgyzstan, Ms. Rodina Elena, UNDP Kyrgyzstan  
Discussion: How to upscale and apply this to other countries in the region.
- 1015-1030 Coffee Break
- 1030-1200 Country Presentations on Challenges and Opportunities in promoting energy efficiency continued  
4. Azerbaijan  
5. Kyrgyzstan
- Agenda item 6: Global Energy Efficiency 21  
Mr. Oleg Dzioubinski, Sustainable Energy Division, UNECE  
Mr Kohji Iwakami, Energy Security Section, Environment and Development Division, ESCAP  
Mr Gianluca Sumbuccini, Sustainable Energy Division, UNECE  
Discussion: Steps towards developing partnerships in seeking private sector financing in energy efficiency
- 1200-1300 Lunch
- 1300- 1500 Agenda Item 7: Development of the renewable energy sector in the Russian Federation and CIS countries – prospects for interregional cooperation, Mr Adam Sek, Regional Adviser on Energy, UNECE  
Renewable energy in Central Asia, Mr. Romen Zakhidov, Institute of Power Engineering and Automation of Uzbekistan Academy of Sciences  
Discussion
- 1500-1515 Coffee Break
- 1515-1600 Agenda Item 8: Enhancing investment on advanced fossil fuel technologies for climate change mitigation and sustainable development in countries with economies in transition (2010-2011), Adam Sek, UNECE



## Discussion

4 November 2009

- 0830-0900 Country Presentations on Challenges and Opportunities in promoting energy efficiency continued  
6. Kazakhstan
- 0900-1045 Agenda Item 9: SPECA region concept on energy efficiency  
Ms Kelly Hayden, Energy Security Section, Environment and Development Division, ESCAP  
Ms Valentina Kasymova, Professor, Faculty of Economics and Management of Energy Sector, Kyrgyz-Russian Slavic University  
Discussion: Steps towards development of a subregional concept on energy efficiency in Central Asia
- 1045-1100 Agenda Item 10: Other matters
- 1100-1130 Adoption of conclusions and recommendations
- 1130-1230 Lunch

5 November 2009

### **SPECA Project Working Group on Water and Energy Resources**

Adoption of the report from the Workshop on Energy Efficiency in SPECA Countries

## ANNEX III

### Workshop on Energy Efficiency in SPECA Countries

2-5 November 2009  
Bishkek, Kyrgyzstan

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## Annex IV

18 November, 2009

UNITED NATIONS

ECONOMIC COMMISSION FOR EUROPE

THE INTERNATIONAL FUND FOR SAVING THE ARAL SEA

### **REPORT OF THE REGIONAL MEETING FOR DAM SAFETY COOPERATION IN CENTRAL ASIA**

**Bishkek, Kyrgyzstan, 3-4 November 2009**

This report has been issued without official editing by the Environment, Housing and Land Management Division of the United Nations Economic Commission for Europe (UNECE) secretariat

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#### **A. ORGANIZATION OF THE MEETING**

1. The Regional Meeting for Dam Safety Cooperation in Central Asia took place in Bishkek, Kyrgyzstan on 3-4 November, 2009. The Meeting was organized by the United Nations Economic Commission for Europe (UNECE) in close cooperation with the Executive Committee of the International Fund for Saving the Aral Sea (EC IFAS) and the Executive Board of the International Fund for Saving the Aral Sea (EB IFAS) in the Republic of Kazakhstan.

2. The Meeting was held within the framework of Phase II of the “Dam Safety in Central Asia: Capacity Building and Regional Cooperation Project” implemented by UNECE. The project is carried out under the supervision of the Project Working Group on Water and Energy Resources in Central Asia and within the framework of the United Nations Special Programme for the Economies of Central Asia (SPECA). It is aimed at the improvement of the national legislation and state regulation in the field of dam safety in participating countries and strengthening of the regional cooperation in this field. The project is implemented in the context of the Programme on improvement of environmental and socioeconomic situation in the Aral Sea Basin-2 for the period 2003 to 2010 (ASBP-2) implemented by IFAS.

It is also a part of the Environment and Security Initiative (ENVSEC) and is financed by the Government of Finland with partial financial support of the Government of the Russian Federation.

#### **1. Objectives of the Meeting**

3. The Meeting was organized to discuss the draft Regional Agreement on Cooperation in the Field of the Safety of Hydraulic Structures in Central Asia, and to consider the opportunity to elaborate a model technical regulation “Provision of the Safety of Hydrotechnical Structures”, as well as to plan activities within the framework of the project for the year 2010. In addition, the objective was to exchange corresponding experiences between the participants.

#### **2. Attendance**

4. 24 participants from Kazakhstan, Kyrgyzstan, Tajikistan and Uzbekistan took part in the Meeting; 3 participants represented IFAS. The Eurasian Economic Community (EurAsEC), World Bank and Eurasian Development Bank were also represented at the Meeting. 38 participants included in the list of Appendix 1 to this report took part in the Meeting together with staff members of UNECE secretariat, consultants and representatives of other organizations.

#### **3. Opening of the Meeting**

5. The Meeting was opened by Mr. Duishenbek Kamchibekov, State Secretary of the Ministry of Natural Resources, Kyrgyzstan. He emphasized the relevance of hydraulic structures safety issues for Central Asia and expressed gratitude to UNECE and the international consultants on behalf of the Government of the Kyrgyz Republic for their support and assistance provided to address problems important for the region. He also wished success to the Meeting.

6. Mr. Bo Libert, Regional Adviser, Environment, Housing and Land Management Division, UNECE in his welcoming speech drew the attention to the fact that the project was entering its final stage and called to strengthen the efforts aimed at completion of the project and the achievement significant results, which would be appreciated by both participating countries and donors.

7. Mr. Sagit Ibatullin, Chairman of IFAS EC, welcomed the participants. He emphasized with satisfaction that the cooperation between IFAS and UNECE in terms of implementation of the regional project aimed at ensuring the safety of hydraulic structures in Central Asia continued to develop successfully.

#### **4. Election of Officers**

8. Messrs. Chyngyz Uzakbaev, Deputy Director General of the Department of Water Resources, Kyrgyzstan, Medet Ospanov, Director, IFAS Executive Board in the Republic of Kazakhstan, Hairullo Ibodzoda, a member of IFAS EC – Plenipotentiary of the Republic of Tajikistan and Timur Kamalov,

Chairman of the State Inspectorate on Control and Surveillance of Technical Condition and Safe

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Operation of Large and Important Water Management Facilities (“Gosvodhoznadzor”) of the Republic of Uzbekistan took turns in chairing the sessions of the Meeting.

#### **5. Approval of the Agenda**

9. The following agenda of the Meeting was approved:

1. Opening of the Meeting.
2. Election of officials.
3. Approval of the agenda of the Meeting.
4. Progress in the implementation of the second phase of the project (2008-2010).
5. Working groups’ sessions:
  - (a) Working group on harmonization of regulatory, legislative and technical instruments on dam safety in countries of Central Asia.
  - (b) Working group on elaboration of the Regional Agreement on Cooperation with respect to the Safety of Hydrotechnical Structures. Reports on working groups’ sessions.
6. Work Plan for 2010.
7. Proposals for further development of the project.
8. Miscellaneous.
9. Conclusion of the Meeting
10. The Programme of the Regional Meeting for Dam Safety Cooperation in Central Asia is attached in Appendix 2.

#### **B. PROCEEDINGS**

11. Under Item 4 of the agenda, Mr. Bo Libert presented the results of activities completed under the project in 2009. He remarked that in May 2009 in Tashkent, a pilot regional training course was conducted on enabling the safety of hydrotechnical structures safety in Central Asia, and a Working Group session was held on harmonization of regulatory, legislative and technical normative instruments for dam safety in countries of Central Asia. In Almaty, in August 2009, a Working Group session took place on preparation of the Regional Agreement on Cooperation with respect to the Safety of Hydrotechnical Structures. In addition, on October 2009 in Dushanbe, a national meeting was held on the safety of hydrotechnical structures in Tajikistan.

12. Mr. Yuri Steklov, consultant, reported on the progress at the regional level in terms of the implementation of the decisions made at the previous regional meeting held in Almaty in November 2008.

13. Mr. Medet Ospanov, Kazakhstan; Mr. Iskander Djoldoshaliev, Kyrgyzstan; Mr. Khairullo Ibodzoda, Tajikistan and Mr. Timur Kamalov, Uzbekistan reported about the activities in their countries during the previous period with regard to improvement of national normative legal frameworks. In particular, it was emphasized that in Kazakhstan, in December 2008, the law on introduction of amendments to Water Code of the country was adopted to enhance state regulation in the area of the safety of hydrotechnical structures, and in May 2009, the Government of the country approved Safety Rules for water management systems and facilities. In Kyrgyzstan, within the framework of a World Bank funded project on water management improvement, draft laws were prepared on the establishment of national Dam Safety Committee along with its statutes. In Tajikistan, the establishment of an interdepartmental working group to elaborate a draft law on the safety of hydrotechnical structures was being considered. In Uzbekistan, a draft law on introduction of amendments to the national legislation on the safety of hydrotechnical structures adopted 10 years ago was in its final stage of approval in the national Parliament.

14. Under Item 5a of the agenda, Mr. Dmitry Radkevich, consultant, presented his vision of further work related to elaboration of a model national technical regulation “Provision of the safety of hydrotechnical structures”. The Terms of Reference for the development of a model technical regulation was supplemented with several items based on proposals given by some participants. Mr. Radkevich also

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noted that national rules and standards required for the implementation of the provisions of the proposed technical regulation should be revised.

15. Under Item 5b of the agenda, Mr. Yuri Steklov, Consultant, presented in detail the work performed with regard to the elaboration of a Regional Agreement on Cooperation in the field of the safety of hydrotechnical structures. As a result, a new draft agreement was prepared as of September 13, 2009, which included all comments and proposals received before that date, and another version as of September 24, 2009 that systematized outcomes of previous discussions in a new format and with some additions. Mr. Vinogradov, consultant, presented the review of all comments and proposals for the draft regional agreements as of September 24, 2009. Then the participants shared their views about the

documents presented.

16. Under Item 7 of the agenda, Mr. Bo Libert presented proposals for the 2010 work plan. The participants' attention was drawn to the fact that the plan provided for two meetings of each working group – Working Group for Development of Regional Agreement and Working Group on Regulatory, Legal and Technical Management for the Safety of Hydrotechnical Structures.

17. Under Item 8 of the agenda proposals were made for further development of the project on dam safety cooperation in Central Asia.

18. Under Item 9 of the agenda, Mr. Dmitry Radkevich, consultant, briefed the participants on the results of the investigation conducted in relation to the accident that happened at Sayano-Shushenskaya HPP and on measures undertaken in Russia to prevent such accidents in the future.

19. The representatives of Tajikistan reported to the participants that in October 2009 the high-rise Nurek Dam on the Vakhsh River in Tajikistan was awarded with an honorable certificate by the International Commission on Large Dams, which acknowledged it being an example of highest engineering achievement in dam construction.

## **B. CONCLUSIONS AND RECOMMENDATIONS**

20. The participants of the Meeting made the following decisions and recommendations under the agenda items:

### **I. Concerning the support for improvement of national legislation on the safety of hydrotechnical structures**

To continue the support within the framework of the project to the countries interested in improvement of their national legislations based on the Model Law on the Safety of Hydrotechnical Structures in the form of consultations or independent reviews of draft legislations.

### **II. Concerning the development of documentation for regulatory and technical management for the safety of hydrotechnical structures**

1. To consider the Terms of Reference as a basis and to recommend to use it in the development of a model technical regulation “Provision of the Safety of Hydrotechnical Structures” taking into account proposals on its content made by the participants of the meeting.

2. To continue the work on the preparation of a model technical regulation “Provision of the Safety of Hydrotechnical Structures” in accordance with the following schedule:

(a) The consultants of the project are to prepare the first version of a model technical regulation by November 30, 2009 to be sent to the national project coordinators for consideration by the countries participating in the project; to apply in the preparation of the document the relevant CIS interstate standards, construction norms and rules (SNiP), and the regulations of the Russian Federation applied in Central Asia.

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(b) National project coordinators should submit comments and proposals on the first draft model technical regulation by February 28, 2010;

(B) The consultant of the project is to submit the second version of the model technical regulation prepared, taking into account comments and proposals received, to be considered at the next meeting of the project Working Group on Regulatory, Legal and Technical Management for the Safety of Hydraulic Structures in April - May 2010;

3. The consultant of the project is to start preparing a list of model summary rules and standards, which could be adopted as normative subsidiary documents to the technical regulation “Provision of the Safety of Hydrotechnical Structures”.

4. To gratefully accept the offer of the World Bank financed “Water Management Improvement Project” in Kyrgyzstan to arrange for the translation of the model technical regulation to English.

### **III. Concerning the Draft Agreement on Cooperation related to the Safety of Hydrotechnical Structures in Central Asia**

1. National project coordinators are to ask MFA of their respective countries to send the official position of their country on the draft agreement version as of September 24, 2009 to the Executive Committee of IFAS by December 31, 2009.

2. The consultants of the project are to prepare a revised version of draft Regional Agreement by February 15, 2010 taking into account the proposals received from the countries participating in the project.

3. The project management is to submit to the Executive Committee of IFAS a revised draft Regional Agreement to be further submitted for approval in the respective countries, and to request assistance for promptly receiving the positions of the countries on the revised draft agreement.

4. The consultants of the project are to summarize the elaborated proposals from the countries and to prepare a draft of the agreement on this basis, to be considered at the next session of the Working Group on drafting the agreement.



#### **IV. Concerning the Work Plan for 2010**

To approve the Project Work Plan for 2010 (Appendix 3).

#### **Miscellaneous**

1. To recommend IFAS Executive Committee to introduce the matter on inclusion to ASBP-3 a regional project for further development of cooperation in the area of the safety of hydrotechnical structures taking into account outcomes of the UNECE project “Dam Safety in Central Asia: Capacity Building and Regional Cooperation”.
2. To note with satisfaction the readiness of the Eurasian Development Bank to support the efforts of Central Asian countries related to the preparation and publication of analytical reviews on ensuring the safety of hydrotechnical structures.
3. The participants expressed their gratitude to the Government of Finland and to the Government of the Russian Federation for their support to the project.
4. To express gratitude to the Design and Technological Institute “Vodavtomatika and Metrology” for a good arrangement of the Meeting.

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#### *Appendix 1*

#### **LIST OF PARTICIPANTS**

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**Bishkek, Kyrgyzstan, November 3-4, 2009**

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*Appendix 2*

## **PROGRAMME**

### **The Regional Meeting for Dam Safety Cooperation in Central Asia**

**Bishkek, Kyrgyzstan, November 3-4, 2009**

**Tuesday, November 3, 2009**

9.00 – 9.30 Registration of the Participants

#### **First Plenary Session**

9.30 – 9.40 **Opening of the Meeting**

*Chairman – Mr. Chyngyz Uzakbaev, Deputy Director General, Department of Water Resources, Kyrgyzstan*

Welcoming statement on behalf of the Government of the Kyrgyz Republic

*Mr. Duisshenbek Kamchybekov, State-secretary, Ministry of Natural Resources*

Welcoming statement on behalf of UNECE

*Mr. Bo Libert, Regional Adviser, UNECE*

Welcoming statement on behalf of IFAS

*Mr. Sagit Ibatullin, Chairmen of IFAS EB*

09.40 – 10.00 **Adoption of the agenda and election of officials**

Presentation of Meeting agenda:

*Mr. Bo Libert, Regional Adviser, UNECE.*

10.00-10.30 **Progress in the implementation of the second stage of the project “Dam Safety in Central Asia: Capacity Building and Regional Cooperation”.**

*Mr. Bo Libert, Regional Adviser, UNECE.*

10.30-11.00 Coffee break

11.00-12.00 **Progress in the implementation of the decisions of the regional meeting “Dam Safety in Central Asia: Capacity Building and Regional Cooperation”, Almaty, November 2008 at the regional and national levels.**

*Mr. Yuri Steklov, consultant;*

*national project coordinators:*

– *Mr. Medet Ospanov, Kazakhstan;*

– *Mr. Iskander Djaldoshaliev, Kyrgyzstan;*

– *Mr. Hairullo Ibodzoda, Tajikistan;*

– *Mr. Timur Kamalov, Uzbekistan.*

12.00 – 12.30 Discussion

12.30-14.00 Lunch

#### **Working Group on Regulatory, Legal and Technical Management for the Safety of Hydrotechnical Structures**

*Chairman - Mr. Hairullo Ibodzoda, Tajikistan*

14.00 – 14.10 Introduction and proposals concerning the activities of the Working Group.

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*Mr. Bo Libert, Regional Adviser, UNECE*

14.10 – 14.30 Elaboration of a model technical regulation “Provision of the Safety of Hydraulic Structures”.

*Mr. Dmitry Radkevich, consultant*

14.30 – 15.30 Presentations by country representatives

15.30-16.00 Coffee break

16.00-17.30 Discussion

17.30 -18.00 Adoption of decisions, recommendations and a report of the Working Group

**Wednesday, November 4, 2009**

**Working Group for Development of Regional Agreement**

*Chairman – Mr. Medet Ospanov, Kazakhstan*

9.30 – 9.40 Introduction and proposals concerning the activities of the Working Group

*Mr. Yuri Steklov, consultant*

9.40 – 10.00 Review of the comments to draft Regional Agreement on Cooperation in the Area of Hydrotechnical Structures Safety in Central Asia.

*Mr. Sergei Vinogradov, consultant*

10.00 – 10.30 Discussion

10.30-11.00 Coffee break

11.00 -12.00 P r e s e n t a t i o n s by IFAS, MFAs, Ministries of Justice and other stakeholder ministries' and agencies' representatives

12.00 -12.30 A d o p t i o n of decisions, recommendations and a report of the Working Group

12.30-14.00 Lunch

### **Second Plenary Session**

*Chairman – Mr. Timur Kamalov, Uzbekistan*

14.00 -14.10 D i s c u s s i o n of proposals for further development of the project on cooperation with regard to dam safety in Central Asia

*Mr. Bo Libert, Regional Adviser, UNECE;*

*Mr. Yuri Steklov, consultant;*

*country representatives;*

*EADB representative*

14.10 -14.30 D i s c u s s i o n

14.30-14.40 Work Plan for 2010

*Mr. Bo Libert, Regional Adviser, UNECE*

14.40-15.00 Discussion

15.00 -15.30 O u t c o m e of the investigation of the accident at Sayano-Shushenskaya HPP and on 12

measures aimed at prevention of such accidents in the future.

*Mr. Dmitry Radkevich, consultant*

15.30-16.00 Coffee break

16.00 -17.00 R e v i e w and adoption of decisions, recommendations and report of the Meeting.

Conclusion of the Meeting

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### *Appendix 3*

### **Plan of Work for the Second Phase of the “Dam Safety in Central Asia: Capacity Building and Regional Cooperation” Project in 2010**

Under the project the following main goals were envisaged to be achieved:

A - The Governments of the participating countries have introduced or revised national regulatory frameworks for dam safety.

B - The Governments of the participating countries have set up a regional cooperative framework on dam safety and sustained intraregional cooperation, including the introduction and maintenance of early warning systems for dam accidents.

C - The Governments of the participating countries have the necessary documentation and technical capacity for harmonizing technical regulations and procedures for the monitoring and evaluating of dam performance.

D - The Governments of the participating countries have better access to potential sources of technical assistance for rehabilitation of dams and improvement of monitoring and early warning systems.

The work plan for 2010

1. Support to Kyrgyzstan, Tajikistan and Turkmenistan in improvement of their national legislations based on Safety of Hydrotechnical Structures (output A)

2. Development of the Draft Agreement on Cooperation related to the Safety of Hydrotechnical Structures in Central Asia (output B)

3. Development of a model technical regulation “Provision of Safety of Hydrotechnical Structures” (output C)

Under the project the following events are planned to take place in 2010:

1. Joint Meeting of the Working Group on Development of a Regional Agreement and Meeting of the Working Group on Harmonization of Regulatory, Legislative and Technical Management instruments

Bishkek or Tashkent

2 days (April -May 2010)

2. Training for high level officials

Moscow<sup>1</sup>

10 days (beginning of summer 2010)



<sup>1</sup> If necessary financial resources will be available.

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3. Regional Meeting for Dam Safety Cooperation in Central Asia (Including meetings of the Working Groups)

Bishkek or Tashkent or Almaty or Dushanbe

2 days (October-November 2010)

In case of availability of funds, other activities such as additional training, meetings on bilateral cooperation on dam safety and cooperation on pumping stations may be considered.

## Annex V

### SPECA Work Plan 2010 - 2011

#### Water, Energy and Environment

In light of a large degree of interdependence of most of the SPECA member countries, efficient use of water and energy resources on mutually agreed and beneficial terms is critical for economic and social development in the region and meeting basic human needs of its populations. The theme of Water and Energy was among the initial work areas of SPECA and was addressed through the Project Working Group on Water and Energy Resources. This work resulted in the elaboration of the Strategy for the Efficient Use of Water and Energy Resources in Central Asia.

For energy related activities, the Governing Council, which met in May 2006 in Baku, decided that the proposals for a Coordinated SPECA Energy System and the Baku Initiative on Energy Efficiency and Conservation be submitted to the Project Working Group (PWG) on Water and Energy Resources for consideration and reporting to the next Coordinating Committee. The SPECA Coordinating Committee met in December 2006 in Dushanbe, following the PWG, which reviewed the two proposals extensively and recommended the approval of those projects. The SPECA Coordinating Committee subsequently endorsed the recommendations of the PWG.

Water and environment activities?

In 2010 – 2011, the following projects and activities are envisaged:

Name of Project/Activity	Timeframe	Budget
Ongoing and planned projects/activities with funding secured or expected.		
		•
		•
Baku Initiative on Energy Efficiency and Conservation: - Strengthening Institutional Capacity to Support Energy Efficiency in Selected Asian Countries (KEMCO) - Supporting the implementation of the Baku initiative on energy efficiency and conservation for sustainable and inclusive development	2009 – 2015  2010 – 2011	• KEMCO (US\$50,000 approximately for Central Asia)  • Russian Federation (\$100,000 for two years subject to annual approval by the donor)
-Enhancing Investment in Advanced Fossil Fuel Technologies  for Climate Change Mitigation and Sustainable Development  in Countries with Economies in Transition	2010-2011	• Economic Commission for Europe, in cooperation with Department of Economic & Social Affairs Economic and Social Commission for Asia and Pacific (\$616,080)  •
Supporting the establishment of a Trans-Asian Energy System for Sustainable Development	2010 - 2012	• Russian Federation (\$102,490 for two years subject to annual approval by

		the donor)
Possible projects/activities in areas where ESCAP have considerable experience and in-house expertise and which could be implemented if supported by interested donors/partners.		
Coordinated SPECA Energy System	2010 - 2015	Funding being sought Estimated budget US\$500,000
Wind energy resources assessment and technology demonstration	2010 - 2011	Funding being sought Estimated budget US\$648,900
English-Russian dictionary on trans-boundary water management	2010	Funding being sought Estimated budget US\$80,000