A. ORGANIZATION OF THE MEETING

1. The 16th session of the SPECA Project Working Group (PWG) on Water and Energy Resources took place in Almaty, Kazakhstan on 18 November 2008. 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. 59 participants took part in PWG session, including delegations from Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan and the Russian Federation. Representatives from UNDP, Eurasian Bank of Development, EurAsEC, Organization for Security and Cooperation in Europe (OSCE), Kazakh Research Institute of Power Engineering named after Sh. Ch. Chokin and the Executive Committee of IFAS. The list of participants is attached. (Annex 1)

3. The Meeting was chaired by Mr. Joldoshbek M. Nazarov, First Deputy Director General, Joint-Stock Company Electric Power Plants from the Kyrgyz Republic and opened by Mr Paolo Garonna, Acting Executive Secretary 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 cooperation strategy to promote the rational and efficient use of water and energy resources in Central Asia:
   - Review of work plan implementation

5. Review of the relevant decisions of the SPECA Governing Council

6. Dam Safety in Central Asia

7. Other matters

8. Adoption of conclusions and recommendations.

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1 This report has been issued without official editing.
5. The Programme of the 16th session of the Project Working Group on Water and Energy Resources is attached. (Annex 2)

B. CONCLUSIONS AND RECOMMENDATIONS

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

   **Agenda item 4:** Review of the implementation of the cooperation strategy to promote the rational and efficient use of water and energy resources in Central Asia: Review of work plan implementation.

2. Having heard the report by ESCAP on the outcome of the theme study for the 64th session of the Commission on Energy Security and Sustainable Development in Asia and the Pacific, the PWG welcomed the participation of countries in the upcoming meeting “Energy efficiency opportunities in Central Asia including SPECA countries” which aims to further develop a plan of action under the Baku Initiative for Energy Efficiency and Conservation. The specific focus of the meeting will be on end-use of energy in the residential and public, particularly relating to building design and appliance labeling and standards. The report for this meeting is attached (Annex 3). Participants of the PWG agreed to support and approve further work based on the recommendations of this meeting.

3. The PWG noted the activities undertaken in 2007 and 2008 under the Chu-Talas Rivers Commission following its inauguration in July 2006. The participants of the PWG noted that these activities have been effective in supporting cooperation to improve the management of water resources in the Chu and Talas rivers.

4. Participants of the PWG welcomed information on the Central Asian Regional Water Information Base Project (CAREWIB) which aims to improve information exchange in Central Asia with regard to water and environmental issues. The regional internet portal for this project provides a new tool to access existing information that has been difficult to obtain previously. During the second phase of the project, access to information was strengthened particularly with respect to data collection and dissemination at national levels, the production of regular publications, capacity building to integrate CAREWIB into decision-making processes at the national, regional and international levels, and supporting the sustainability of the project in the future.

5. The PWG took note of the efforts to enable subregional cooperation and inputs to the planning stage of projects under consideration likely to have a significant adverse environmental impact across national borders. The participants of the PWG recognized that the Environmental Impact Assessment Convention is in principle an effective tool to negotiate and prevent possible cross-boarder environmental impacts.

6. The PWG reviewed the outcome of the International Conference “Water Unites – Strengthening Cooperation on Water Management in Central Asia” held in Almaty on
17-18 November 2008. The participants of the PWG took note of the Chairperson’s report from the International Conference held in Almaty which included highlighting the importance to develop regional dialogue and cooperation on water resources management further, the need to improve institutional capacities to manage river basins for selected transboundary rivers, and national pilot projects for improved water management.

7. The PWG also noted the efforts by ESCAP to support subregional cooperation in enhancing water security and transboundary cooperation in accessing water resources in Central Asian countries. These activities are outlined in paragraphs 8 to 10.

8. ESCAP convened a regional workshop on “Institutional changes required to achieve MDG on sanitation” in Macao, China from 4 to 6 November 2008. This regional workshop was part of the contribution of ESCAP to the implementation of the International Year of Sanitation. The experiences of the region and findings from the regional workshop to be used to provide inputs to the preparation of the UN Secretary-General’s report to the General Assembly session in 2009.

9. ESCAP has recently started the implementation of the project to promote the “Development of Eco-Efficient Water Infrastructure in Asia and the Pacific”. The first regional workshop of the project was held in Seoul from 10 to 12 November 2008, with participation of national and international experts from 22 countries, including three countries of Central Asia: Azerbaijan, Tajikistan and Uzbekistan. The project will be implemented in a two-year period and scheduled for completion in July 2010. Most of the national experts participating in the regional workshop expressed their interest in participating in the implementation of pilot projects in their respective countries. ESCAP also intends to promote the development of small hydropower projects as part of this project to support the Berlin Water Process.

10. The PWG noted that ESCAP has been requested to undertake activities to support the effective monitoring of investment and results in water and lead a regional effort to promote cooperation on this subject. It is expected to continue in the coming year in preparation for the second Asia-Pacific Water Summit.

**Agenda item 5: Review of the relevant decisions of the SPECA Governing Council**

11. The PWG noted information on the third session of the SPECA Governing Council held in Moscow on 20 October 2008. A number of updates of SPECA activities were reviewed and noted including a report on the implementation of the 2008-2009 SPECA Work Plan, and the progress towards establishing regular and substantial coordination of activities between SPECA and other programmes and organizations supporting regional economic cooperation in Central Asia.

12. The Governing Council also adopted the decision to invite the Executive Secretaries of UNECE and ESCAP to undertake joint visits to SPECA capitals to discuss additional ways to strengthen the Programme. Recommendations from the President of Kazakhstan were noted along with the request for regional commissions to elaborate concrete proposals for submission by SPECA member countries for the possible inclusion in the next session of the SPECA Governing Council or
Coordinating Committee. The Council also noted the information provided by the secretariats on a joint UNECE-ESCAP SPECA office in Central Asia.

Agenda item 6: Dam Safety in Central Asia

13. Having heard presentations on the activities under the action plan on Dam Safety in Central Asia approved by the PWG during the 15th session, participants noted with satisfaction the meetings held in 2008 to build national legislation and institutions, collaboration and standards for dam safety between Central Asian countries. The PWG further endorsed the recommendations to develop a regional agreement that would be discussed on 19 November 2008 during the Dam Safety in Central Asia meeting. The report for this meeting is attached (Annex 4).

Agenda item 7: Other matters

14. No other matters were raised under this agenda item.

Agenda item 8: Adoption of conclusions and recommendations.


Mr. Joldoshbek M. Nazarov,

Chairman of the PWG on Water and Energy Resources,
First Deputy Director General, Joint-Stock Company Electric Power Plants
The Kyrgyz Republic

18 November 2008, Almaty
SPECA Project Working Group on Water and Energy Resources, sixteenth session

18 November 2008
Almaty, Kazakhstan

LIST OF PARTICIPANTS

AZERBAIJAN

Mr. Iftikhar Huseynov, Deputy of Head of the License and the Control over Energy Resources Department, Government House, Block 5, Floor 2, U. Hagbeyov str., 40, Baku, Tel: (99412) 493-77-87; Fax: (99412) 598-16-78; E-mail: iftixar_h@yahoo.com

Mr. Teymur Osmanov, Vice Chief, Science Project, Construction and Foreign Relations Division, Water and Melioration Committee, Government House, 5th floor, HAWFOJSC, Baku, Tel: (99412) 493-6154; Fax: (99412) 4931176; E-mail: safsu@mail.ru / sutascom@bakinter.net

KAZAKHSTAN

Mr. Aset Uali, First Secretary of Integration Processes Division under Department of CA, Ministry of Foreign Affairs, Astana, Tel. (+77172) 720350; Fax (+77172) 720367; E-mail: uali@mid.kz

Mr. Muslim Jienbaev, Chief expert, Department for Normatives of Water Resources, Division of Strategy on use of Natural Resources of the Ministry of Agriculture, Astana, Tel: (77172) 555833; Fax: (77172) 555793; E-mail: muslim2007_67@mail.ru

Mr. Erlan Badashev, Head of Division for Organization of Operation of Water-Economic objects and Land Development, Committee on Water Resources under the Ministry of Agriculture, Astana, Tel. (+77172) 742696; Fax. (+77172) 742681; E-mail: 591924@mail.ru

Mr. Marat Mynbaev, Chief Expert of Division on Prevention of Technogenic and Natural Disasters under the Department of Prevention of Emergencies and Prospective Development, Ministry of Emergencies, Astana, Tel. (+77172) 944827; E-mail: mynbaev@emer.kz

Mr. Erlan Aidarbekuly, Expert, Department of International Law, Ministry of Justice, Astana, E-mail: erlan125@minjust.kz

Mr. Esjan Jumabekov, Head of Legal and Technical Support and Energy Saving Department, Committee for State Energy Supervision under the Ministry of Energy and Mineral Resources, Astana, E-mail: minbaeva@memr.kz

Mr. Vadim Vinokhodov, Deputy Head, Department for Mudflow Control, “Kazglavselezashita” State organization, Ministry for Emergency Situations, Astana, E-mail: kazselezashita@mail.ru
Mr. Leonid Dmitriev, Director, Production Cooperative “Institute of Kazgiprovodkhoz”, Astana, E-mail: kazgipro@mail.ru

Mr. Maidan Nurtazin, Technical Director, Production Cooperative “Institute of Kazgiprovodkhoz”, Astana, Tel. (+7727) 2798333; Fax. (+7727) 2791614; E-mail: kazgipro@mail.ru

Mr. Iossif Vilkoviskiy, Chief Engineer, “Kazhydroproject” LLP, Astana, Tel: (+7727) 2730031; Fax: (+7727) 2731743; E-mail: kazhydro@netmail.kz

Mr. Anatoliy Ryabtsev, Chairman, Committee for Water Resources, N 8 Building 3, Orynbor Str, Astana, Tel: (8-7172) 741720; Fax: (8-7172) 742681, E-mail: adr52@mail.ru

KYRGYZSTAN

Mr. Joldoshbek M. Nazarov, First Deputy Director General, Joint-Stock Company Electric Power Plants, 326 Jibek Jolu, Bishkek, 720070, Tel: (996-312) 666883; Fax: (996-312) 663409; E-mail: Deputy3-es@infotel.kg

Mr. Almaz Stamaliev, Chief Specialist, Department of Production and Distribution of Electroenergy, Ministry of Industry, Energy and Fuel Resources, 119 Ahunbaeva str., Bishkek 720055, Tel: (996-312) 560340; Fax: (996-312) 560340; E-mail: stamaliev@mail.ru / ovipe@yandex.ru

Ms. Jyldyz Sarybaeva, Head of International Economy Organizations Department, Ministry of Foreign Affairs, Bishkek, Tel: (996 312) 667348; E-mail: skijyldyz@mail.ru

Mr. Oleg Makarov, Director, Research Institute “Vodoavtomatika i Metrologia”, Bishkek, Tel: (+996312) 541159; E-mail: pkti@elcat.kg

Mr. Iskender Djoldoshaliev, Head, Water Resources Management Department, Ministry of Agriculture, Water Resources Management and Processing Industry, Bishkek, Tel: (+996312) 549098; Fax: (+996312)549094; E-mail: dvh@elcat.kg; pkti@elcat.kg

Mr. Alexey Zyrianov, Deputy Director, Center of Operation and Repair of JSC "Electricity Stations", Bishkek, Tel: (+996312) 672172; E-mail: expo-es@infotel.kg

RUSSIAN FEDERATION

Mr. Anatoly Danilov, Chief of Department of Operative Regulation, Federal Agency for Water Resources, 8-1, Kadrova, Moscow 117292, Tel: (8-499) 724 1841; E-mail: danilov@favr.ru

Ms. Anna Y. Klyukhina, Attaché, Department of International Organizations, Ministry of Foreign Affairs, Sennaya square 32/34, Moscow 119200
Tel: (7-495) 244-42-11; Fax: (7-495) 244-24-01; E-mail: aklyukhina@yandex.ru
TAJIKISTAN

Mr. Georgy N. Petrov, Senior Energy Expert, Chief of Hydroenergy Laboratory, Department of the Institute of Water Problem, Academy of Science, Parnin str.12, Dushanbe 734002, Tel: (992 37) 224 52 31; Fax: (992 37) 224 52 31; E-mail: geomar@bk.ru

Mr. Timur Valamat-Zade, Chief Specialist, Division of National Strategies and Socio-Economical Programs, Center for Strategic Researches under the President of the Republic of Tajikistan, Rudaki str. 40, Dushanbe, Tel: (992 37) 221 11 00; Fax: (992 37) 221 11 00; E-mail: Rumit1940@mail.ru

TURKMENISTAN

Mr. Kurbangeldy Ballyev, Department Head, Scientific Information Center, IFAS Interstate Commission for Sustainable Development, Ashgabat, Tel: (+99312) 353448; Fax: (+99312) 353448; E-mail: kballyev@online.tm

Mr. Guvanch Hanmedov, Head, Utilization Management Department, Ministry of Water Resources, Ashgabat, Tel: (+99312) 390115; Fax: (+99312) 221380; E-mail: minwater@online.tm

UZBEKISTAN

Mr. Romen Zakhidov, Head, Department of the Institute of Energy, IPEA, Academgorodok Tashkent 100125, Tel: (998-71) 262 09 21; Fax: (998-71) 262 09 19; E-mail: zakhidov@energy.uzsci.net

Mr. Kakhraman R. Allaev, Professor of Tashkent State Technical University, Editor-in-Chief of “Saving energy and reserves” Magazine, Universitetskaya Street, Tashkent State Technical University, house 2, Tashkent, Tel: (998-71) 2462935; E-mail: kahramon-allaev@mail.ru / tstu-energy@rambler.ru

Mr. Timur Kamalov, Chairman, “Gosvodhoznadzor” Water Control Facilities Committee, Tashkent, Tel: (+99871) 144 31 31; Fax: (+99871) 144 30 41; E-mail: v-nadzor@sks.uz

Mr. Shuhrat Talipov, Chief Specialist, State Inspection "Gozvodhoznadzor", Tashkent, Tel: (+99871) 144 30 49; Fax: (+99871) 144 30 41; E-mail: v-nadzor@sks.uz

Mr. Ernazar Makhmudov, Director, Institute of Water Problems, Academy of Sciences, Tashkent, Tel: (+99871) 1691270; Fax: (+99871) 1691270; E-mail: imp@mail.ccc.uz

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<table>
<thead>
<tr>
<th>Entity</th>
<th>Contact Person</th>
</tr>
</thead>
</table>
| Eurasian Development Bank (EDB)                                       | Mr. Alexander Mironenkov, Head of Technical Assistance Division, Eurasian Development Bank, 1 / 2 Bld. 1, Verkhnaya Radischevskaya St., 109240 Moscow, Russian Federation  
Tel: (495) 725 3230; Fax: (495) 725 3230; E-mail: Mironenkov_ap@eabr.org |
|                                                                      | Mr. Tulegen Sarsembekov, Eurasian Development Bank, 1 / 2 Bld. 1, Verkhnaya Radischevskaya St., 109240 Moscow, Russian Federation, E-mail: sarsembekov_tt@eabr.org |
| Executive Committee of International Fund for saving the Aral Sea (EC IFAS) | Mr. Sagit Ibatullin, Chair, Executive Committee of International Fund for saving the Aral Sea (EC IFAS), Almaty, Kazakhstan  
E-mail: saghit@inbox.ru, medet.ospanov@gmail.com |
|                                                                      | Mr. Almabek Nurushev, Director, Executive Board of IFAS in Kazakhstan, Member of the Executive Committee of IFAS  
Tel: (+7727) 2986383/ 81/ 85; Fax: (+7727) 507717; E-mail: ifas_almaty@alnet.kz |
|                                                                      | Mr. Medet Ospanov, Deputy Director, Executive Board of IFAS in Kazakhstan  
Tel: (+7727) 2986383/ 81/ 85; Fax: (+7727) 507717; E-mail: mospanov@mail.kz |
|                                                                      | Ms. Nodira Zuhurova, Head of Secretariat Executive Committee of International Fund for saving the Aral Sea (EC IFAS), 40-Rudaki str., Dushanbe, Tajikistan  
Tel: (992 372) 235840; Fax: (992 372) 235840; E-mail: rodnik_01@mail.ru |
| Eurasian Economic Community (EurAsEC)                                 | Mr. M. Musataev, Deputy Secretary General IC EuroAsEC, Moscow, Russian Federation, E-mail: intekom@nursat.kz |
|                                                                      | Mr. Kopbolsyn Kudaibergenuly, IC EuroAsEC, Moscow, Russian Federation, E-mail: kopbolsin.k@mail.ru |
| Organization for Security and Cooperation in Europe (OSCE)           | Mr. Alexey Stukalo, Deputy Co-ordinator for OSCE, Economic and Environmental Activities, Vienna, Austria  
Tel: (43-1) 51436730; E-mail: Alexey.stukalo@osce.org |
| JSC Kazakh Research Institute of Power Engineering named after Sh.Ch. Chokin | Mr. Yerbol Bugybayev, Engineer, JSC Kazakh Research Institute of Power Engineering named after Sh.Ch. Chokin, 85, Baitursynov Street, Almaty, Kazakhstan  
Phone/Fax: +7(727)2937097; E-mail: yerbol_82@mail.ru |
CONSULTANTS

Ms. Valentina Kasymova, 14 Ashkhabadskaya st., Bishkek, Kyrgyzstan
Tel: 996-312-549783, 996-555-782060 (mobile); E-mail: kasymova_kg@rambler.ru

Mr. Ismoil Nadjmiddinov, Consultant
Tel: (+992372) 235836; Fax: (+992372) 235840; E-mail: ecifas@tajik.net

Mr. Yuri Steklov, Consultant
Tel: (+662) 960 3457; E-mail: yuri.steklov@gmail.com

Mr. Dmitry Radkevich, Consultant
Tel: (+7495) 4935131; Fax: (+7495) 4974050; E-mail: radkevich@mte.gov.ru

Mr. Erkin Orolbaev, Consultant
Tel: (+996312) 612977; E-mail: erkin.orolbaev@gmail.com

UNITED NATIONS BODIES

UNDP Kyrgyzstan
Mr. Zharas Takenov, Programme Specialist, UN House, 160 Chui Avenue, 720040 Bishkek, The Kyrgyz Republic
Tel: (996-312) 611213; Fax: (996-312) 611217; E-mail: Zharas.takenov@undp.org

Mr. Ularbek Mateyev, Coordinator Programme, St. Kievskja 96b, Bishkek, Kyrgyzstan
Tel: (996-312) 623692; Fax: (996-312) 623692; E-mail: U_mateev@up.elcat.kg

UNDP Turkmenistan
Mr. Richard Young, United Nations Resident Coordinator, UNDP in Turkmenistan, Ashgabat, Turkmenistan
Tel: (993-12) 350225 / 425250; Fax: (993-12) 425317 / 88; E-mail: Richard.young@undp.org

UNDP RBEC NY
Ms. Kori Udovicki, UNDP Assistant Administrator, Regional Director RBEC, One UN Plaza, DC-1-1622, New York 10017, U.S.A.
Tel: (1-212) 9066394; Fax: (1-212) 9066595; E-mail: Kori.udovicki@undp.org

----------------------
UNITED NATIONS SECRETARIAT

United Nations Economic Commission for Europe (UNECE)

Mr. Paolo Garonna, Acting Executive Secretary of UNECE, Palais des Nations, CH-1211 Geneva 10, Switzerland

Mr. Marton Krasznai, Regional Adviser, Economic Cooperation and Integration Division, UNECE, Palais des Nations, CH-1211 Geneva 10, Switzerland, Tel.: +4122 917 2760; Fax: +4122 917 0178, E-mail: Marton.krasznai@unece.org

Mr. Adam Sek, Regional Adviser on Energy, Sustainable Energy Division, Room 460, Palais des Nations, CH-1211 Geneva 10, Switzerland, Tel: (41-22) 917 2687; Fax: (41-22) 917 0038; E-mail: adam.sek@unece.org

Mr. Bo Libert, Regional Adviser, Environment, Housing and Land Management Division, Palais des Nations, CH-1211 Geneva 10, Switzerland, Tel: (+4122) 917 23 96; Fax: (+4122) 917 06 21; E-mail: Bo.libert@unece.org

United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)

Mr. Le Huu Ti, Chief, Water Security Section, Environment and Development Division, ESCAP, United Nations Building, Rajadamnern Nok Avenue, Bangkok 10200, Thailand, Tel: (66-2) 288 1450; Fax: (66-2) 288 1059 / 1048; E-mail: ti.unescap@un.org

Mr. Kohji Iwakami, Economic Affairs Officer, Energy Security Section, Environment and Development Division, ESCAP, United Nations Building, Rajadamnern Nok Avenue, Bangkok 10200, Thailand, Tel: (66-2) 288 1542; Fax: (66-2) 288 1059 / 1048; E-mail: iwakami.unescap@un.org

Ms. Kelly Hayden, Associate Economic Affairs Officer, Energy Security Section, Environment and Development Division, ESCAP, United Nations Building, Rajadamnern Nok Avenue, Bangkok 10200, Thailand, Tel: (66-2) 288 1544; Fax: (66-2) 288 1059 / 1048; E-mail: haydenk@un.org

Ms. Elvira Mynbayeva, Associate Economic Affairs Officer, Special Unit on Countries with Special Needs, Office of the Executive Secretary, ESCAP, United Nations Building, Rajadamnern Nok Avenue, Bangkok 10200, Thailand, Tel: (66-2) 288 2809; Fax: (66-2) 288 1090; E-mail: mynbayeva@un.org
UN Special Programme for the Economies of Central Asia (SPECA)
16th session of the Project Working Group on Water and Energy Resources
Almaty, Kazakhstan, 18 November 2008

PROGRAMME

14:45 – 15:00 Registration of participants
15:00 – 15:15 Opening session
   Speech of welcome on behalf of UNECE and ESCAP
   (Mr. Paolo Garonna, acting Executive Secretary, UNECE)
15:00 – 15:10 Election of officers
15:10 – 15:15 Adoption of the agenda (Chair)

Session 1. Review of the implementation of the cooperation strategy to promote the rational and efficient use of water and energy resources in Central Asia: Review of work plan implementation

15:15 – 15:25 Review of energy activities in 2008 including progress towards the implementation of the Baku Initiative on Energy Efficiency and Conservation (Mr. Kohji Iwakami, Energy Security Section, Environment and Development Division, ESCAP)
15:25 – 15:35 Review of water activities including projects in the Chu and Talas river basins, the CAREWIB project and the project on EIA in a transboundary context (Mr. Bo Libert, Regional Advisor, Mr. Anatolii Ryabtsev and Mr. B. Koshmatov)
15:35 – 15:45 Review of other activities including the meeting “Water Unites – Strengthening Cooperation on Water Management in Central Asia” (Mr. Marton Krasznai, Regional Advisor, UNECE, Mr. Le Huu Ti, Chief, Water Security Section, Environment and Development Division, ESCAP)
15:45 – 16:00 Discussion

Session 2. Review of the relevant decisions of the SPECA Governing Council

16:00 – 16:15 Review of the relevant decisions of the SPECA Governing Council (Ms. Elvira Mynbayeva, Special Unit on Countries with Special Needs, ESCAP)
16:15 – 16:30 Discussion
16:30 – 16:45 Tea Break

Session 3. Other matters

16:45 – 17:45 Activities of the Dam Safety in Central Asia project in 2008 (Mr. Bo Libert, Mr. Yuri Steklov, Mr. Dimitrii Radkevich and Mr. Timur Kamalov)
17:45 – 17:55 Discussion
17:55 - 18:00 Other matters

Session 4. Adoption of the conclusions and recommendations

18:00 - 18:15 Discussion
18:15 – 18:30 Adoption of conclusions and recommendations
ANNEX 3

Workshop on Energy Efficiency Opportunities in Central Asia including SPECA Countries

18-21 November 2008, Almaty, Kazakhstan

Final Report

I. Background and organization

1. The Workshop on Energy Efficiency Opportunities in Central Asia including SPECA Countries was held in Almaty, Kazakhstan from 18 to 21 November 2008. The Workshop was organized by the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) and the Economic Commission for Europe (UNECE) in collaboration with the JSC Kazakh Research Institute of Power Engineering named after Sh. Ch. Chokin. The Workshop programme is attached (Annex I).

2. The Workshop was attended by 24 participants comprising Government officials, specialists and experts from Azerbaijan, Kazakhstan, Kyrgyzstan, the Russian Federation, Tajikistan, Turkmenistan and Uzbekistan as well as representatives of the UNDP (Kyrgyzstan), and IFAS (Kazakhstan and Tajikistan). The list participants is attached (Annex II).

3. The Workshop was opened on 18 November 2008 by Mr Paolo Garonna, Acting Executive Secretary of the UNECE.

II. Summary of Discussion

Session 1 - Energy efficiency potential in SPECA countries

4. An overview of the ESCAP theme study on energy security and sustainable development was provided by ESCAP, followed by an introduction to financing opportunities for energy efficiency action in Central Asia presented by UNECE. A detailed analysis of regional energy efficiency and energy saving potential of economies, including all SPECA countries, was presented by Ms. Valentina Kasymova, who reported the results of her studies concerning opportunities for collaboration to achieve a number of energy efficiency action on a subregional level. The host institution presented the activities undertaken in Kazakhstan.

5. Discussions focused on technical issues related to the lack of opportunities for data exchange, lack of systematic monitoring and inefficiency of energy-saving policies in SPECA countries. It was highlighted that actions for implementing energy efficiency needed to consider different sectors, as well as best practices of other countries, including strengthening of institutions and raising public awareness of energy efficiency advantages, when developing national policies. On a subregional level, there was a need for further collaboration on mutual data exchange, harmonization of legal and regulatory instruments and energy-pricing policy, including the development of a Central Asian energy market. It was recognized that mutual cooperation for mutual benefits could help produce energy which is clean and renewable and that action will be required now to realize these benefits.
over the next two to three decades. During the discussions, opinions were voiced on the need to develop a regional vision and strategy for energy efficiency, as well as to establish the institutional framework for cooperation within SPECA countries.

Session 2 – Energy efficiency labeling and standards

6. Mr. Tienan Li provided an introduction to the benefits of standards and labeling and the experience of China. Specific policy and institutional arrangements were also introduced during a further presentation.

7. Country representatives shared their perspectives related to the promotion of energy efficiency standards and labeling. Most Central Asian countries have state standards on energy which were practiced in the former Soviet Union. Countries recognizing the need to promote energy efficiency have noted the necessity to update and upgrade the standards as well as institutional capacity in certifying various equipment and appliances used in their country.

8. Some of the major constraints identified included (1) lack of access to financing; (2) lack of incentives to promote and enforce standards; (3) lack of knowledge and awareness of the consumers towards standards and labeling; (4) lack of human resources; (5) lack of measuring devices; (6) weak legislations; and (7) lack of laboratories to test products.

9. The Workshop noted that introducing Standards and Labeling will be a long process in gaining the confidence of consumers and manufactures, but may not necessarily be an expensive programme. For Central Asia, the suggestion for undertaking a collaborative approach towards testing and certification was noted.

10. One recommendation which was strongly supported by participants was the establishment of a network of energy efficiency centers in Central Asia to pursue energy efficiency initiatives including the promotion of standards and labeling. Such centers could support policy makers and serve as a counterpart with international organizations.

Session 3: Sustainable building design

11. A presentation on sustainable building design was provided by Mr. B. Mohanty. This included the technical aspects of sustainable building design along with the economic, institutional and policy environment that could support these activities. This was followed by a detailed discussion on how these designs could be applicable to Central Asian countries. Some of the issues highlighted were: (1) the need for and provision of appropriate incentives to the private sector; (2) revision of the existing building standards, which were developed during the former Soviet Union period; (3) further information sharing on good practices from other countries; (4) the need to scientifically demonstrate the benefits of sustainable building design through pilot projects; and (5) the need to consider different aspects of energy pricing which encourages energy efficiency but also considers the ability of the population to afford the service.

12. One proposal arising from these discussions was the possible development of a regional project on creating a harmonized building code for Central Asia. It was also suggested that pilot projects and the target of implementation of these building codes should be Government and public buildings. It was also indicated that a concurrent project could be
run to mobilize the private sector to develop a voluntary rating tool for buildings. Any project should also incorporate a strong educational component. Some of these activities, particularly relating to coordinating education, could be implemented by energy efficiency centers in each country.

**Session 4 – The way forward**

13. During the meeting, potential options for developing a regional energy efficiency strategy were raised. Though some participants had reservations specifically related to the difficulties of achieving regional agreement, there was a general consensus that a basic concept could be developed indicating the current situation with energy efficiency and possible goals. Participants displayed considerable commitment for cooperation, though some consider that the focus for developing energy efficiency plans of action should start at the national level and build towards a regional strategy/guideline. However, it was noted that policies may be easier to harmonize and collaboration would be easier if a regional strategy/guideline were developed first. It was generally decided that a brief concept could be prepared and if supported, further steps can be taken to develop a regional strategy/guideline.

14. During the final session, a number of break out groups analyzed issues needed to consider implementing sustainable building design and standards and labeling programmes. These groups specifically discussed and analyzed the problems and existing measures taken by other stakeholders related to these issues in identifying the niche area. Groups were requested to develop a solution including a number of activities, a source of funding and a strategy to secure political and financial support. The discussions were then presented to all Workshop participants. A summary of these presentations have been attached (Appendix III).

**III. Conclusions and recommendations**

15. It was recommended that activities be undertaken to facilitate the establishment of a network of energy efficiency centers in Central Asia to pursue energy efficiency initiatives, assist decision makers and serve as a counterpart with international organizations.

16. It was also recognized that a regional concept could be developed on energy efficiency which would help guide their national energy efficiency programmes. The concept would include information on the current situation in SPECA countries and possible activities or goals over the next five years. Over a long term perspective, this could be developed into an energy efficiency strategy for the region.

17. It was recommended that a project be developed to promote sustainable building practices in the region along with a number of demonstration projects within public buildings. The project would need to incorporate a strong educational component which could be implemented by energy efficiency centres. It was also suggested that a project could be developed and implemented concurrently to mobilize the private sector to make a business case and develop a voluntary rating tool for buildings.

18. The Workshop participants agreed to extend their cooperation and seek government support by providing further information and data to develop project profiles.
19. The Workshop requested the secretariat to report on the progress of these recommendations to the Project Working Group at its 17th session.

IV. Acknowledgement

20. The participants expressed its appreciation to the Secretariat and host organization, the JSC Kazakh Research Institute of Power Engineering named after Sh. Ch. Chokin for successfully organizing the Workshop.

V. Adoption of the Report

Annex I

**PROGRAMME**

**WORKSHOP ON ENERGY EFFICIENCY OPPORTUNITIES IN CENTRAL ASIA**

**INCLUDING SPECA COUNTRIES**

**18-21 NOVEMBER 2008, ALMATY, KAZAKHSTAN**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Person</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Day 1 – 18 November 2008</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:30</td>
<td>Opening session and welcome to participants</td>
<td></td>
</tr>
<tr>
<td>18:30-18:40</td>
<td>Opening statement</td>
<td>ESCAP/UNECE</td>
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<tr>
<td><strong>Day 2 – 19 November 2008</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>08:30-09:00</td>
<td>Registration of participants</td>
<td></td>
</tr>
<tr>
<td>09:00-09:30</td>
<td>Presentation and adoption of the agenda</td>
<td>ESCAP</td>
</tr>
<tr>
<td>09:30-12:00</td>
<td>Session 1 – Energy efficiency potential in SPECA countries</td>
<td></td>
</tr>
<tr>
<td>09:30-09:50</td>
<td>Sustainable Energy Security for Asia and the Pacific</td>
<td>Mr. Kohji Iwakami, ESCAP</td>
</tr>
<tr>
<td>09:50-10:10</td>
<td>Energy efficiency market creation - Financing energy efficiency investments for climate change mitigation</td>
<td>Mr. Adam Sek, UNECE</td>
</tr>
<tr>
<td>10:10-10:40</td>
<td>Energy efficiency as a factor of promoting the sustainable development in Central Asia</td>
<td>Professor Valentina Kasymova</td>
</tr>
<tr>
<td>10:40-10:55</td>
<td>Coffee break</td>
<td></td>
</tr>
<tr>
<td>10:55-11:10</td>
<td>Discussion – challenges of implementing energy efficiency in Central Asian countries</td>
<td>Participants</td>
</tr>
<tr>
<td>11:10-11:30</td>
<td>Promotion of energy efficiency in Kazakhstan</td>
<td>Kazakh Research Institute of Power Engineering</td>
</tr>
<tr>
<td>11:30-12:00</td>
<td>Discussion – possible activities required to implement an energy efficient policy in Central Asian countries</td>
<td>Participants</td>
</tr>
<tr>
<td>12:00 – 13:30</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td><strong>13:30 – 16:30</strong></td>
<td>Session 2 – Energy efficiency labelling and standards</td>
<td></td>
</tr>
<tr>
<td><strong>The purpose of this session is to introduce the concept of labelling and standards for appliances and review the policy, institutions and financing that provided an enabling environment in other countries. A facilitated discussion should follow the initial presentation which should aim to challenge participants to think of concrete actions that would be undertaken to develop an energy efficiency labels and standards in their country. The key outcome of the discussion would be a set of issues and possible activities.</strong></td>
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<tr>
<td>Time</td>
<td>Activity</td>
<td>Presenter/Participants</td>
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<tr>
<td>13:30 – 15:00</td>
<td>Presentation of case studies of effective programmes in other countries, the enabling environment and impacts</td>
<td>Prof. Tienan Li</td>
</tr>
<tr>
<td>15:00 – 15:20</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>15:20 – 16:30</td>
<td>Specific issues related to energy efficiency standards and labelling – costs and recovery, available technology, etc. Analysis and discussion on creating enabling environment and implementing activities in Central Asian countries</td>
<td>Participants (Facilitator: Prof. Tienan Li)</td>
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</tbody>
</table>

**Day 3 – 20 November 2008**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 4: Energy efficiency in public buildings</th>
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<tbody>
<tr>
<td>09:00-12:00</td>
<td>The purpose of this session is to introduce examples of eco efficiency in buildings and review the policy, institutions and financing that provided an enabling environment. A facilitated discussion should follow the initial presentation which should aim to challenge participants to think of concrete actions that would be needed to integrate energy efficiency in buildings in their country. The key outcome of the discussion would be a set of issues and possible activities.</td>
</tr>
<tr>
<td>09:00 – 10:30</td>
<td>Introduction to sustainable building design and planning</td>
</tr>
<tr>
<td></td>
<td>Presentation of case studies of energy efficiency in public buildings</td>
</tr>
<tr>
<td>10:30 – 10:50</td>
<td>Coffee break</td>
</tr>
<tr>
<td>10:50 – 12:00</td>
<td>Analysis and discussion on creating enabling environment and implementing activities in Central Asian countries</td>
</tr>
<tr>
<td>12:00 – 13:30</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30 – 15:00</td>
<td>Breakout groups discuss the creation of an enabling environment and required actions specifically for labelling and standards or buildings</td>
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<tr>
<td>15:00 – 15:20</td>
<td>Coffee break</td>
</tr>
<tr>
<td>15:20 – 16:30</td>
<td>Presentation of results from breakout group discussions</td>
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</table>

**Day 4 – 21 November 2008**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 4 – The way forward</th>
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<tbody>
<tr>
<td>9:00 – 12:00</td>
<td>The purpose of this session would be to discuss possible ways forward and activities that could be undertaken by countries with the assistance of international organizations. The outcome of this session would ideally be a statement of commitment from participants along with several concrete ideas and activities that could be undertaken. The overall purpose would also be to motivate participants and assist ESCAP and ECE develop a programme to implement energy efficiency in buildings and labelling and standards. Possible actions to fall under the Baku Initiative could also be highlighted to enable us to develop a programme of activities.</td>
</tr>
<tr>
<td>09:00 – 09:20</td>
<td>Recap on outcome from previous days’ discussion</td>
</tr>
<tr>
<td>09:20 – 10:00</td>
<td>Discussion – feasibility of activities, potential for greatest short term impact, long-term activities</td>
</tr>
<tr>
<td>10:00 – 10:20</td>
<td>Coffee break</td>
</tr>
<tr>
<td>10:20 – 11:00</td>
<td>Discussion – feasibility of activities, potential for greatest short term impact, long-term activities</td>
</tr>
<tr>
<td>11:00 – 11:30</td>
<td>Adoption of the report</td>
</tr>
<tr>
<td>11:30 – 12:00</td>
<td>Summary and close</td>
</tr>
<tr>
<td>12:00 – 13:30</td>
<td>Lunch</td>
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Annex II

UNITED NATIONS
ECONOMIC AND SOCIAL COMMISSION FOR ASIA AND THE PACIFIC

in collaboration with

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE (UNECE)
and
JSC KAZAKH RESEARCH INSTITUTE OF POWER ENGINEERING
NAMED AFTER SH.CH. CHOKIN

Workshop on Energy Efficiency Opportunities in Central Asia including SPECA Countries
18-21 November 2008
Almaty, Kazakhstan

LIST OF PARTICIPANTS

AZERBAIJAN

Mr. Iftihar Huseynov, Deputy of Head of the License and the Control over Energy Resources Department, Government House, Block 5, Floor 2, U. Hagbeyov str., 40, Baku  Tel: (99412) 493-77-84; Fax: (99412) 598-16-78; E-mail: iftiihar_h@yahoo.com

Mr. Teymur Osmanov, Vice Chief, Science Project, Construction and Foreign Relations Division, Water and Melioration Committee, Government House, 5th floor, HAWFOJSC, Baku Tel: (99412) 493-6154; Fax: (99412) 4931176; E-mail: safsu@mail.ru / sutascom@bakinter.net

KAZAKHSTAN

Mr. Yerkebulan Sagynaiuly Mukhtar, Director, Department of Standardization and Research Work, The RSE “KazInSt”, Orynbor str. 11, building of Standard Centre, Astana Kazakhstan 010000, Tel: (7727) 793 323;  Email: kazinst_kz@mail.ru

KYRGYZSTAN

Mr. Almaz Stamaliev, Chief Specialist, Department of Production and Transmission of Electroenergy, Ministry of Industry, Energy and Fuel Resources, 119 Ahunbaeva str., Bishkek 720055 Tel: (996-312) 560 340; Fax: (996-312) 560 340; E-mail: stamaliev@mail.ru / ovipe@yandex.ru

RUSSIAN FEDERATION

Mr. Anatoly Danilov, Chief of Department of Operative Regulation, Federal Agency for Water Resources, 8-1, Kedrova, Moscow 117292, Tel: (8-499) 724 1841; E-mail: danilov@favr.ru

Ms. Anna Y. Klyukhina, Attaché, Department of International Organizations, Ministry of Foreign Affairs, Sennaya square 32/34, Moscow 119200
Tel: (7-495) 244-42-11; Fax: (7-495) 244-24-01; E-mail: aklyukhina@yandex.ru
TAJIKISTAN

Mr. Georgy N. Petrov, Senior Energy Expert, Department of the Institute of Water Problem, Academy of Science, Parmin str.12, Dushanbe 734002
Tel: (992 37) 224 52 31; Fax: (992 37) 224 52 31; E-mail: geomar@bk.ru

Mr. Timur Valamat-Zade, Chief Specialist of the Division of the National Strategies and Socio-Economical Programs, Center for Strategic Researches under the President of the Republic of Tajikistan, Rudaki str. 40, Dushanbe
Tel: (992 37) 221 11 00; Fax: (992 37) 221 11 00; E-mail: rumit1940@mail.ru

TURKMENISTAN

Mr. Kurbangeldy Ballyev, Department Head, Scientific Information Center, IFAS Interstate Commission for Sustainable Development, Ashgabat
Tel: (+99312) 353448; Fax: (+99312) 353448; E-mail: kballyev@mail.tm

UZBEKISTAN

Mr. Romen Zakhidov, Head, Department of the Institute of Energy, IPEA, Academgorodok, Tashkent 100125, Tel: (998-71) 262 0921, 234 0525; Fax: (998-71) 262 09 19; E-mail: zakhidov@energy.uzsci.net

Mr. Kakraman R. Allaev, Professor of Tashkent State Technical University, Editor-in-Chief of the Journal “Problem of energy and sources saving”, Universitetskaye Street, Tashkent State Technical University, house 2, Tashkent, Tel: (998-71) 246 2935, 227 1485; E-mail: kahramon-allaev@mail.ru / tstu-energy@rambler.ru

----------------

UNITED NATIONS BODY

UNDP Kyrgyzstan

Mr. Zharas Takenov, Programme Specialist, UN House, 160 Chui Avenue, 720040 Bishkek, The Kyrgyz Republic
Tel: (996-312) 611213; Fax: (996-312) 611217; E-mail: Zharas.takenov@undp.org

Mr. Ularbek Mateyev, Coordinator Programme, St. Kievskja 96b, Bishkek, Kyrgyzstan
Tel: (996-312) 623692; Fax: (996-312) 623692; E-mail: U_mateev@up.elcat.kg

----------------

OTHER ENTITIES

Executive Committee of International Fund for saving the Aral Sea (EC IFAS)

Ms. Nodira Zukhurova, Head of Secretariat Executive Committee of International Fund for saving the Aral Sea (EC IFAS), 40-Rudaki str., Dushanbe, Tajikistan
Tel: (992 372) 235840, (992 918) 685849; Fax: (992 372) 235840; E-mail: rodnik_01@mail.ru

--------------
ESCAP CONSULTANTS

Mr. Tienan Li, General Director, China Standard Certification Center, No. 4, Zhichun Road, Haidian District; Beijing, China
Tel: (86-10) 5881 1568; Fax: (86-10) 5881 1569; E-mail: litn@cecp.org.cn / litn@cmos.gov.cn

Mr. Brahmanand Mohanty, 13 Zamindar Garden, Pondicherry, India
Tel: (91413) 2224014; Fax: (91413) 2332033; E-mail: mohanty@vsnl.com

Ms. Valentina Kasymova, 14 Ashkhabadskaya st., Bishkek, Kyrgyzstan
Tel: 996-312-549783, 996-555-782060 (mobile); E-mail: kasymova_kg@rambler.ru

---------------------

CO-ORGANIZERS

UN Economic Commission for Europe (UNECE)

Mr. Adam Sek, Regional Adviser on Energy, Sustainable Energy Division, Room 460, Palais des Nations, CH-1211 Geneva 10, Switzerland
Tel: (41-22) 917 2687; Fax: (41-22) 917 0038; E-mail: adam.sek@unece.org

JSC Kazakh Research Institute of Power Engineering named after Sh.Ch. Chokin

Mr. Beibit Orazbayev, Chief of the Information Sector, JSC Kazakh Research Institute of Power Engineering named after Sh.Ch. Chokin, 85, Baitursynov Street, Almaty, Kazakhstan
Phone/Fax: +7(727)2928890, E-mail: bobtech@mail.ru

Mr. Arman Amangaliev, Chief of the Industries Sector, JSC Kazakh Research Institute of Power Engineering named after Sh.Ch. Chokin, 85, Baitursynov Street, Almaty, Kazakhstan
Phone/Fax: +7(727)2937097; E-mail: a-arma-energ@mail.ru

Mr. Yerbol Bugybayev, Engineer, JSC Kazakh Research Institute of Power Engineering named after Sh.Ch. Chokin, 85, Baitursynov Street, Almaty, Kazakhstan
Phone/Fax: +7(727)2937097; E-mail: yerbol_82@mail.ru

Mr. Nurgaliev Askat, Engineer, JSC Kazakh Research Institute of Power Engineering named after Sh.Ch. Chokin, 85, Baitursynov Street, Almaty, Kazakhstan
Phone/Fax: +7(727)2937097; E-mail: askhat_nur@mail.ru

---------------------
ESCAP SECRETARIAT

Mr. Kohji Iwakami, Economic Affairs Officer, Energy Security Section, Environment and Development Division, ESCAP, United Nations Building, Rajadamnern Nok Avenue, Bangkok 10200, Thailand
Tel: (66-2) 288 1542; Fax: (66-2) 288 1059 / 1048; E-mail: iwakami.unescap@un.org

Ms. Kelly Hayden, Associate Economic Affairs Officer, Energy Security Section, Environment and Development Division, ESCAP, United Nations Building, Rajadamnern Nok Avenue, Bangkok 10200, Thailand
Tel: (66-2) 288 1544; Fax: (66-2) 288 1059 / 1048; E-mail: haydenk@un.org

Ms. Elvira Mynbayeva, Associate Economic Affairs Officer, Special Unit on Countries with Special Needs, Office of the Executive Secretary, ESCAP, United Nations Building, Rajadamnern Nok Avenue, Bangkok 10200, Thailand
Tel: (66-2) 288 2809; Fax: (66-2) 288 1090; E-mail: mynbayeva@un.org
Annex III

Summary of group presentations

Group A: Energy Efficiency Centres

**Barriers to energy efficiency:**
1. High energy consumption of utilities and industries
2. Poor regulation
3. Insufficient funds from the State for energy efficiency and energy conservation
4. Lack of stimulus and incentives
5. Lack of informative campaigns

**Existing measures by stakeholders:**
1. State support of energy efficiency measures (addition, modification and revision to the Energy Saving Law)
2. Some energy efficiency programs exist but these are fragmented
3. International/bilateral funding for energy saving programmes

**Proposed solutions:**
Goal: To improve energy efficiency utilization and application of energy technology, means and materials

**Objectives:**
1. Decrease of losses of energy at all stage of production and consumption in all sectors
2. Sufficiency of energy
3. Improve energy efficiency in industry
4. Support the development of energy efficiency legislation
5. Develop fiscal and economic instruments to support energy efficiency activities

**Types of activities:**
1. Provide information and advisory services to all target groups (decision makers, specialists, civil organizations, NGOs, population, youth, children)
2. Evaluation and monitoring of the measures for energy efficiency
3. Raising awareness, advertising and improving the consciousness of the population

**Results/Impact:**
1. Improve energy efficiency through the introduction of planning and forecasting of the energy consumption in industries and trace the results through evaluation
2. Improve the energy efficiency of buildings
3. Standards and labelling - improvement of sales of certified appliances

**Sources of funding:**
Government, donors, international organizations, partners

**Strategy to secure political support:**
1. Insufficiency of interest of the State bodies, consumers, poor understanding and consciousness of all stakeholders. Develop an information campaign and improve the effectiveness of training.
2. Hold large activities with the decision makers.
Comments:
- Focus on appliances (standards and labelling) before industry and buildings
- Training and promotion is very important but you need to promote something. Must have energy efficiency standard and labelling program first.
- Policy and financial support very important; EE standards cannot be realised without policy and financial support.
- Short-term perspective: Awareness, Advice, market transformation; try not to do too many things at once; develop a business case and involve the business sector.
- Medium-term perspective: Innovative financing and labelling/regulation

**Group B: Promoting Sustainable Building Practices**

**Existing problem to be addressed:**
- Lack of relevant standard and norms
- Lack of funding of green building
- Lack of trained personnel
- Absence of sufficient information
- Unawareness of officials on types of green building

**Existing measures, if any:**
- Laws on energy and water savings in all countries, but poor and inactive (no sub-legislative act, no effective regulation)
- Several objects and building technologies are there, but not publicized enough

**Solutions:**
- Develop regulation on scientific, financial basis
  - Development of relevant standards and regulations (requires the goodwill of officials and funding)
- Funding sources for green/energy efficient buildings (to cover additional costs)
- Need for State support (convince the State agencies of the importance)
- Raise awareness of public, training of personnel
- Development of scientific and technical basis

**Activities:**
- Construction of pilot projects and objects
- Construction of energy efficient public and government buildings and demonstrate the benefit to private developers

**Impact:**
- Need to develop the criteria economic effectiveness
- Raising awareness about the positive results achieved
- Attracting funding

**Possible sources of funding:**
- Government
- Private sector
- International institutions
- CDM

**Proposals:**
- Develop a number of measures including standards and labelling
- Financial benefits and others should be demonstrated (develop a business case for the private sector)
- Need for regionalizing the approach (no need to work country by country)
- Exchange of opinions and experiences
- Establish Energy Efficiency Centres which will assist further
REPORT OF THE REGIONAL MEETING FOR DAM SAFETY COOPERATION IN CENTRAL ASIA

Almaty, Kazakhstan, 18-19 November 2008
A. ORGANIZATION OF THE MEETING

1. The Regional Meeting for Dam Safety Cooperation in Central Asia took place in Almaty, Kazakhstan on November 18-19, 2008. The Meeting was organized by the UN Economic Commission for Europe (UNECE) in close cooperation with the Executive Committee of the International Fund for Saving the Aral Sea (EC IFAS) and Executive Board of Directors of the International Fund for Saving the Aral Sea (EBD IFAS).

2. The Meeting was held within the framework of Phase II of the “Dam Safety in Central Asia: Capacity Building and Regional Cooperation” Project being 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 socio-economic situation in Aral Sea Basin-2 for the period of 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 Government of Russian Federation.

3. Opening of the meeting and the first plenary session were held in the framework of the 16th session of the Project Working Group on Water and Energy Resources of SPECA countries. Meetings of the Working Group for development of a Regional Agreement on Cooperation with respect to Hydraulic Structures’ Safety and the Working Group for Harmonization of Regulatory, Legal and Technical Documentation on Safety of Hydraulic Structures in Central Asian countries were held concurrently. The meeting was concluded with a plenary session.

1. Objectives of the Meeting

4. The Meeting was to decide on further actions to harmonise the key provisions of respective national regulatory documents and technical specifications regulating safety of hydraulic structures, as well as to continue development of a Regional Agreement on cooperation in this field. In addition, the objective was to exchange corresponding experiences between the participants.

2. Attendance

5. 19 participants from Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan took part in the Meeting; IFAS was presented by 3 participants. The Eurasian Economic Community (EurAsEC) and Eurasian Development Bank were also represented at the Meeting. 31 participant 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

6. The Meeting was opened by Mr. Bo Libert, Regional Adviser, Environment, Housing and Land Management Division, UNECE. He briefed the participants of the Meeting with the objectives of the project, results of its first phase (2004-2006) and the tasks laying ahead to implement the second phase of the project (2008-2010). He also noted that the core financing of the project is provided by the Government of Finland, and additional funding is provided by Government of the Russian Federation.
7. Mr. Timur Kamalov, Chairman of the State Inspection for Control and Supervision of the Technical Condition and Safe Operation of Large and High-Security Waterworks under the Cabinet of Ministers of the Republic of Uzbekistan (Gosvodkhoznadzor) welcomed the participants of the Meeting. He drew attention of participants to the particular importance of ensuring the safety of Hydraulic Structures in Central Asian countries, noted the interest of Uzbekistan to cooperation in this area, and in particular, to conclusion of a Regional Agreement on Cooperation, thereupon he wished success to all.

4. Election of Officers

8. Ms. Jyldyz Sarybaeva, Head of International Economy Organizations Department, Ministry of Foreign Affairs (MFA) of Kyrgyzstan, Mr. Georgy Petrov, head of Hydroenergy Laboratory under the Institute of Water Problems, Hydropower and Ecology of the Academy of Sciences of Tajikistan; Kurbangeldy Ballyev, Department Head in the Research Center of the Interstate Commission on Sustainable Development (SIC ISDC) IFAS, the representative of Turkmenistan, and Timur Kamalov, chairman of “Gosvodhoznadzor” of Uzbekistan took their 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. Reports of current results of “Dam Safety in Central Asia: Capacity Building and Regional Cooperation” Project and its further tasks.
   5. Session on development of the Regional Agreement on Cooperation with respect to Safety of Hydraulic Structures.
   6. Possibilities of assistance to the stakeholder countries in improvement of their National Legislations on Safety of Hydraulic Structures.
   7. Harmonization of regulatory, legislative and technical instruments on dam safety in countries of Central Asia.
  10. Miscellaneous.
  11. 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 2008. He remarked that in addition to the Regional meeting in Tashkent, held in March 2008, National workshops were held in Kazakhstan, Kyrgyzstan, Turkmenistan and Uzbekistan. Besides, he noted, within the framework of this Regional Meeting, the first meetings of Working Group on development of a Regional agreement on Cooperation with respect to Safety of Hydraulic Structures and the Working Group on Harmonization of
regulatory, legislative and technical instruments for Safety of Hydraulic Structures in countries of Central Asia shall be held. He also pointed out that the future cooperation of the countries of Central Asia would be aimed at the conclusion of a Regional Agreement on Cooperation with respect to Safety of Hydraulic Structures; improvement and harmonization of the national regulatory and legal frameworks for safety of hydraulic structures, and advanced training of specialists in organizations supervising the safety of hydraulic structures.

12. Under Item 5 of the agenda, Mr. Yuri Steklov, Consultant, presented a version of the draft agreement as of 10 October 2008, prepared with consideration of comments and suggestions received before that date. Representatives of all participating countries expressed support for further work on the draft agreement and suggested a number of changes and proposals. Representatives of Uzbekistan shared an amended draft agreement, coordinated at the national level with ministries and departments. Several participants expressed their views that the cooperation body, would that be either a commission or a Hydraulic Structures Safety Center as the draft agreement provides for, would be useful to establish under the auspices of IFAS.

13. Under Item 6 of the agenda, the participants of the Meeting informed about the work completed in 2008, aimed at improvement and establishment of the national laws regulating the safety of hydraulic structures in countries of Central Asia. It was noted that the Model National Law on Safety of Hydraulic Structures, developed during the first phase of the project, was used for this purpose. The meeting took note of information that the assistance to the interested countries in developing their national legislations on Safety of Hydraulic Structures will continue in 2009 in form of advisory services or examination of draft national laws.

14. Under Item 7 of the agenda, Mr. Dmitriy B. Radkevich, consultant, introduced the participants to the concept of a coherent system of normative legal and normative technical instruments governing the safety of dams and other hydraulic structures in countries of Central Asia. He also reported that, in order to implement this concept, lists of such instruments currently in force in countries of Central Asia and Russia had been prepared, and a model of legislative, regulatory and legal acts and regulations of technical management for the region had been proposed. He then suggested for consideration of the participants a proposal of a possibility for developing national legislation on safety of hydraulic structures in the form of relevant technical regulation, which could reflect all provisions of the Model Law on Safety of hydraulic structures accepted by specific country, and specify the basic requirements of technical nature.

15. Under Item 8 of the agenda, Draft Work Plan for 2009 was presented and discussed. The participants’ attention was drawn to the fact that the Plan provided for two meetings for each working group – Working group for development of Regional Agreement and Working Group on Regulatory, Legal and Technical Management of Safety of Hydraulic Structures.

C. CONCLUSIONS AND RECOMMENDATIONS

16. The participants of the Meeting made decisions on the discussed issues and recommended to take the following actions:

I. Concerning the support for improvement of National Legislations on Safety of Hydraulic Structures

To continue extending the support within the framework of the project to the countries interested in improvement of national legislation based on the model law on Safety of Hydraulic Structures in form of advice or independent examination.
II. Concerning the development of documentation for regulatory and technical management of Safety of Hydraulic Structures:

1. To accept the concept of development of a harmonized system of regulatory legal and technical instruments Safety of Hydraulic Structures in Central Asian countries as a basis.
2. To note the fruitful work of the experts of the countries of the region and consultants in development of the draft model list of regulatory, legal and technical documentation.
3. To recommend to develop a model version of the technical regulation on Safety of hydraulic structures within the framework of the project.
4. To ask the consultants of the project to introduce the working group with the regulatory and technical documentation on Safety of hydraulic structures, which exists in the Russian Federation.

III. Concerning the Draft Agreement on Cooperation with respect to the Safety of Hydraulic Structures:

1. To continue the work on the draft regional agreement on cooperation with respect to the Safety of Hydraulic Structures, based on the version of October 10, 2008 with structural changes, taking into account all the comments and suggestions.
2. To have consultant of the Project together with the Working Group prepare for December 10, 2008, an amended version of the draft regional agreement. To have him send this version to the National Coordinators for its consideration in due course.
3. To request the National Coordinators to present before 1 March 2009 the comments and suggestions to the developed version of the draft agreement coordinated at the national level.
4. To ask Management of the Project (UNECE) to approach the Executive Committee of IFAS with the proposal to expand the cooperation on Safety of Hydraulic Structures in Central Asia.

IV. Concerning the Work Plan for 2009:

To approve the Project Work Plan for 2009 (Appendix 3).

Miscellaneous

17. The participants expressed their gratitude to Government of Finland and Government of Russian Federation for their support of the Project.

18. To note with satisfaction the intention of the Government of the Federal Republic of Germany to support the efforts of Central Asian countries to ensure the safety of Hydraulic Structures within the framework of the new project.

19. To express gratitude to the Executive Board of Directors of IFAS in Kazakhstan for the excellent organization of the meeting.

20. The list of materials distributed at the Regional Meeting is attached in Annex 4.
### LIST OF PARTICIPANTS

The Regional Meeting on the Cooperation in Dam Safety in Central Asia  
Almaty, Kazakhstan, November 18-19, 2008

<table>
<thead>
<tr>
<th>КАЗАХСТАН</th>
<th>KAZAKHSTAN</th>
<th>Contacts</th>
</tr>
</thead>
</table>
| **1. Уали Асет**  
1-й секретарь Управления интеграционных процессов Департамента ЦА, Министерство иностранных дел | **Asset Uali**  
1-st secretary of integration processes Division under Department of CA, Ministry of Foreign Affairs |  
Tel. (+77172) 720420  
Fax (+77172) 720367  
E-mail: uali@mid.kz  
Mob. (+7701) 7834040 |
| **2. Жиенбаев Муслим Рысмаханович**  
Главный эксперт Департамента стратегии использования природных ресурсов, Министерство сельского хозяйства | **Mussilim Zhienbaev**  
Head, Department for normatives of water resources, Division of strategy on use of natural resources of the Ministry of Agriculture |  
Tel: (77172) 742190  
Fax: (77172) 742698  
E-mail: muslim2007_67@mail.ru  
Mob. (+7701) 5891486 |
| **3. Бадашев Ерлан Айтмаханович**  
Начальник Управления организации эксплуатации водохозяйственных объектов и мелиорации земель, Комитет по водным ресурсам Министерства сельского хозяйства | **Yerlan Badashev**  
Head of Division for organization of operation of water-economic objects and land development, Committee on Water Resources under the Ministry of Agriculture |  
Tel. (+77172) 742696  
Fax. (+77172) 742681  
E-mail: 591924@mail.ru  
Mob. (+7777) 1356929 |
| **4. Айдарбекулы Ерлан**  
Эксперт Департамента международного права, Министерство юстиции | **Yerlan Aidarbekuly**  
Expert Ministry of Justice |  
Tel. (+77172) 720943  
E-mail: erlan125@minjust.kz  
Mob. (+7701) 5588885 |
| **5. Нуртазин Майдан Мухамедович**  
Технический директор ПК «Институт Казгипроводхоз» | **Maidan Nurtazin**  
Technical Director , Production Cooperative “Institute of Kazgiprovodkhoz” |  
Tel. (+7727) 2798333  
Fax. (+7727) 2791614  
E-mail: kazgipro@mail.ru  
Mob. (+7777) 3301505 |
| **6. Вильковский Иосиф Яковлевич**  
Главный инженер ТОО «Казгидропроект» | **Iossif Vilkovskiy**  
Chief engineer “Kazhydroproject” LLP |  
Tel. (+7727) 2730031  
Факс. (+7727) 2731743  
E-mail: kazhydro@netmail.kz  
Mob. (+7777) 5608668 |
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<th>No.</th>
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<th>Phone/Email</th>
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<tr>
<td>7.</td>
<td>Сейилханов Абдраш</td>
<td>Начальник Управления анализа, предупреждения чрезвычайных ситуаций природного и техногенного характера Департамента предупреждения чрезвычайных ситуаций и перспективного развития, Министерство по чрезвычайным ситуациям</td>
<td>Tel. (+77172) 948119 E-mail: <a href="mailto:marat@emer.kz">marat@emer.kz</a> Mob. (+7701) 3176433</td>
</tr>
<tr>
<td>8.</td>
<td>Сарыбаева Жылдыз Сатаровна</td>
<td>Заведующая Отделом международных экономических организаций МИД</td>
<td>Tel: (+996312) 667348 E-m: <a href="mailto:skijyldyz@mail.ru">skijyldyz@mail.ru</a> Mob: (+996555) 284789</td>
</tr>
<tr>
<td>9.</td>
<td>Макаров Олег Степанович</td>
<td>Директор ПКТИ Водоавтоматика и метрология</td>
<td>Tel: (+996312) 541159 E-m: <a href="mailto:pkti@elcat.kg">pkti@elcat.kg</a></td>
</tr>
<tr>
<td>10.</td>
<td>Джолдошалиев Исхендер Альмуколович</td>
<td>Начальник отдела технической экспертизы и инвестиций Департамента водного хозяйства МСВХ и ПП</td>
<td>Tel. (+996312) 549098 Fax. (+996312)549094 <a href="mailto:dhv@elcat.kg">dhv@elcat.kg</a>; <a href="mailto:pkti@elcat.kg">pkti@elcat.kg</a></td>
</tr>
<tr>
<td>11.</td>
<td>Зырянов Алексей Григорьевич</td>
<td>Заместитель начальника Центра эксплуатации и ремонта ОАО &quot;Электрические станции&quot;</td>
<td>Tel. (+996312) 672172 E-m: <a href="mailto:expo-es@infotel.kg">expo-es@infotel.kg</a></td>
</tr>
<tr>
<td>12.</td>
<td>Арифов Хомиджан Обидович</td>
<td>Начальник Таджикского Научно-исследовательского отдела энергетики</td>
<td>Tel. <a href="mailto:Tajnioe@mail.ru">Tajnioe@mail.ru</a> Mob: (+99290) 7704828</td>
</tr>
<tr>
<td>13.</td>
<td>Петров Георгий Николаевич</td>
<td>Заведующий лабораторией гидроэнергетики Института водных проблем, гидроэнергетики и экологии АН</td>
<td>Tel. (+992372) 245231, <a href="mailto:geomar@bk.ru">geomar@bk.ru</a> Mob: (+99291) 8620536</td>
</tr>
<tr>
<td>14.</td>
<td>Баллыев Курбанджельды</td>
<td>Заведующий отделом НИЦ МКУР МФСА</td>
<td>Tel. (+99312) 353448 Fax. (+99312) 353448 <a href="mailto:kballyev@online.tm">kballyev@online.tm</a> Mob: (+99365) 621795</td>
</tr>
<tr>
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<tr>
<td>15.</td>
<td>Ханмедов Гуванч</td>
<td>Head, Department of</td>
<td>Tel. (+99312) 390115</td>
</tr>
<tr>
<td></td>
<td>Начальник Управления</td>
<td>Management exploitation</td>
<td>Fax. (+99312) 221380</td>
</tr>
<tr>
<td></td>
<td>эксплуатации Министерства</td>
<td>of the Ministries of Water</td>
<td><a href="mailto:minwater@online.tm">minwater@online.tm</a></td>
</tr>
<tr>
<td></td>
<td>водного хозяйства</td>
<td>resources</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>Камалов Тимур</td>
<td>Chairman, Water Control</td>
<td>Tel. (+99871) 2443131</td>
</tr>
<tr>
<td></td>
<td>Камалович</td>
<td>Facilities Committee</td>
<td>Fax. (+99871) 2443041</td>
</tr>
<tr>
<td></td>
<td>Председатель Госводхознадзора</td>
<td>“Gozvodhoznadzor”</td>
<td><a href="mailto:v-nadzor@sks.uz">v-nadzor@sks.uz</a></td>
</tr>
<tr>
<td>17.</td>
<td>Талипов Шухрат</td>
<td>Chief Specialist, State</td>
<td>Tel. (+99871) 2443049</td>
</tr>
<tr>
<td></td>
<td>Ганиевич</td>
<td>Inspection &quot;Gozvodhoznadzor&quot;</td>
<td>Fax. (+99871) 2443041</td>
</tr>
<tr>
<td>18.</td>
<td>Махмудов Эрназар</td>
<td>Director, Institute of</td>
<td>Tel. (+99871) 1691270</td>
</tr>
<tr>
<td></td>
<td>Жумаевич</td>
<td>Water Problems, Academy of</td>
<td>Fax. (+99871) 1691270</td>
</tr>
<tr>
<td></td>
<td>Директор института водных</td>
<td>Sciences</td>
<td><a href="mailto:imp@mail.ccc.uz">imp@mail.ccc.uz</a></td>
</tr>
<tr>
<td></td>
<td>проблем Академии наук</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19.</td>
<td>Рашидов Комил</td>
<td>Head of Law Department, MFA</td>
<td>Tel. (+99871) 1394381</td>
</tr>
<tr>
<td></td>
<td>Камович</td>
<td>MFA</td>
<td>Fax. (+99871) 1391517</td>
</tr>
<tr>
<td></td>
<td>Начальник договорно-правового</td>
<td></td>
<td><a href="mailto:rashidov_k@post.tiv.uz">rashidov_k@post.tiv.uz</a></td>
</tr>
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<td>управления МИД</td>
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<tr>
<td>20.</td>
<td>Стеклов Юрий</td>
<td>Consultant</td>
<td>Tel: (+662) 9603457</td>
</tr>
<tr>
<td></td>
<td>Николаевич</td>
<td></td>
<td><a href="mailto:yuri.steklov@gmail.com">yuri.steklov@gmail.com</a></td>
</tr>
<tr>
<td>21.</td>
<td>Радкевич Дмитрий</td>
<td>Consultant</td>
<td>Tel. (+7495) 4935131</td>
</tr>
<tr>
<td></td>
<td>Борисович</td>
<td></td>
<td>Fax. (+7495) 4974050</td>
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<tr>
<td></td>
<td>Консультант</td>
<td></td>
<td><a href="mailto:radkevich@mte.gov.ru">radkevich@mte.gov.ru</a></td>
</tr>
<tr>
<td>22.</td>
<td>Оролбаев Эркин</td>
<td>Consultant</td>
<td>Tel. (+996312) 612977</td>
</tr>
<tr>
<td></td>
<td>Эргешевич</td>
<td></td>
<td><a href="mailto:erkin.orolbaev@gmail.com">erkin.orolbaev@gmail.com</a></td>
</tr>
<tr>
<td></td>
<td>Консультант</td>
<td></td>
<td>mob. (+996777) 303903</td>
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**УЗБЕКИСТАН**

**ЭКСПЕРТЫ**

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<td><a href="mailto:erkin.orolbaev@gmail.com">erkin.orolbaev@gmail.com</a></td>
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<td></td>
<td>Консультант</td>
<td></td>
<td>mob. (+996777) 303903</td>
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**МЕЖДУНАРОДНЫЕ ОРГАНИЗАЦИИ**

**Европейская Экономическая Комиссия ООН**

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<tr>
<th></th>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>23.</td>
<td>Бу Либерт</td>
<td>Regional Adviser</td>
<td>Tel. (+4122) 917 23 96</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Environment, Housing and</td>
<td>Fax. (+4122) 917 06 21</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Land Management Division</td>
<td><a href="mailto:Bo.liber@unece.org">Bo.liber@unece.org</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mob. (+4179) 444 6026/4180</td>
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**МЕЖДУНАРОДНЫЙ ФОНД СПАСЕНИЯ АРАЛА**

**INTERNATIONAL FUND FOR SAVING THE ARAL SEA**
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<th>No.</th>
<th>Name</th>
<th>Position/Role</th>
<th>Contact Information</th>
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<tbody>
<tr>
<td>24.</td>
<td>Ибатуллин Сагит Рахметуллаевич</td>
<td>Председатель Исполкома МФСА</td>
<td>Tel. (+7727) 2986383/81/85 Fax. (+7727) 507717 E-mail:<a href="mailto:saghit@inbox.ru">saghit@inbox.ru</a> Mob. (+7701) 3199550</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Tel. (+7727) 2986383/81/85 Fax. (+7727) 507717 E-mail:<a href="mailto:saghit@inbox.ru">saghit@inbox.ru</a> Mob. (+7701) 3199550</td>
</tr>
<tr>
<td>25.</td>
<td>Нурушев Алмабек Нурушеевич</td>
<td>Директор Исполнительной дирекции МФСА в Казахстане, член Исполкома МФСА</td>
<td>Tel. (+7727) 2986383/81/85 Fax. (+7727) 507717 E-mail:<a href="mailto:ifas_almaty@alnet.kz">ifas_almaty@alnet.kz</a> Mob. (+7701) 1110532</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Tel. (+7727) 2986383/81/85 Fax. (+7727) 507717 E-mail:<a href="mailto:ifas_almaty@alnet.kz">ifas_almaty@alnet.kz</a> Mob. (+7701) 1110532</td>
</tr>
<tr>
<td>26.</td>
<td>Оспанов Медет Оспанович</td>
<td>Заместитель директора, Исполнительная Дирекция МФСА в Республике Казахстан</td>
<td>Tel. (+7727) 2986383/81/85 Fax. (+7727) 507717 E-mail:<a href="mailto:mospanov@mail.kz">mospanov@mail.kz</a> Mob. (+7701) 7138219</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Tel. (+7727) 2986383/81/85 Fax. (+7727) 507717 E-mail:<a href="mailto:mospanov@mail.kz">mospanov@mail.kz</a> Mob. (+7701) 7138219</td>
</tr>
<tr>
<td>27.</td>
<td>Мироненков Александр Петрович</td>
<td>Начальник отдела, Евразийский банк развития</td>
<td>Aleksander Mironenko Head of Division, Eurasian Development Bank <a href="mailto:mironenko_ap@eabr.org">mironenko_ap@eabr.org</a> Mob. (+7903) 9608226</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aleksander Mironenko Head of Division, Eurasian Development Bank <a href="mailto:mironenko_ap@eabr.org">mironenko_ap@eabr.org</a> Mob. (+7903) 9608226</td>
</tr>
<tr>
<td>28.</td>
<td>Сарсембеков Тулен Таджибаевич</td>
<td>Консультант, Евразийский банк развития</td>
<td>Tulegen Sarsembekov Consultant, Eurasian Development Bank Tel: (+7727) 2444044 <a href="mailto:sarsembekov_tt@eabr.org">sarsembekov_tt@eabr.org</a> mob: (+7701) 7970905</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Tulegen Sarsembekov Consultant, Eurasian Development Bank Tel: (+7727) 2444044 <a href="mailto:sarsembekov_tt@eabr.org">sarsembekov_tt@eabr.org</a> mob: (+7701) 7970905</td>
</tr>
<tr>
<td>29.</td>
<td>Мусатаев Мурат Хабдылжаппарович</td>
<td>Заместитель Генерального секретаря Интеграционного комитета ЕврАзЭС</td>
<td>Murat Musataev Deputy Secretary General IC EuroAsEC Tel: (+7727) 2722000 Fax: (+7727) 2720296 <a href="mailto:intekom@nursat.kz">intekom@nursat.kz</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Murat Musataev Deputy Secretary General IC EuroAsEC Tel: (+7727) 2722000 Fax: (+7727) 2720296 <a href="mailto:intekom@nursat.kz">intekom@nursat.kz</a></td>
</tr>
<tr>
<td>30.</td>
<td>Кудайбергенулы Конболсын</td>
<td>Интеграционный комитет ЕврАзЭС:</td>
<td>Kopbolsyn Kudaibergenuly IC EuroAsEC Tel: (+7727) 2722005 Fax: 2722005 <a href="mailto:kopbolsin.k@mail.ru">kopbolsin.k@mail.ru</a></td>
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<td>Kopbolsyn Kudaibergenuly IC EuroAsEC Tel: (+7727) 2722005 Fax: 2722005 <a href="mailto:kopbolsin.k@mail.ru">kopbolsin.k@mail.ru</a></td>
</tr>
<tr>
<td>31.</td>
<td>Данилов Анатолий Николаевич</td>
<td>Начальник отдела Федерального агентства водных ресурсов Российской Федерации</td>
<td>Anatoli Danilov Head of Department, Water Resources Federal Agency, Russia Tel (+7449) 7241841 E-mail:<a href="mailto:danilov@farr.ru">danilov@farr.ru</a> mob. (+7916) 2077718</td>
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Regiona lMeeting for Dam Safety Cooperation in Central Asia
18-19 November 2008, Almaty, Kazakhstan

PROGRAMME

Tuesday, 18 November 2008
Venue: Meeting Hall of the city Akimat (Mayor’s Office), Republic Square 4
Opening of the meeting and the first plenary session were held in the framework of the 16th
session of the Project Working Group on Water and Energy Resources of Special Program of the
UN for the Economies of Central Asia (SPECA)

16:00 - 16:30 Registration of Participants

First Plenary Session

16:30 - 16:50 Opening of the Meeting
Welcoming statement on behalf of UNECE,
Progress of “Dam Safety in Central Asia: Capacity Building and Regional
Cooperation” Project and further tasks for its implementation
Mr. Bo Libert, Regional Adviser, UNECE
Welcoming statement
Mr. Timur Kamalov, Chairman of Gosvodkhoznadzor, Uzbekistan

16:50 - 17:30 Discussion

Wednesday, 19 November 2008
Venue: Conference Hall of Almaty hotel, 85 Kabanbay Batyr str.

Simultaneous meetings of Working Groups

<table>
<thead>
<tr>
<th>Working Groups on development of a Regional agreement on Cooperation with respect to Safety of Hydraulic Structures in Central Asia</th>
<th>Working Group on Harmonization of regulatory, legislative and technical instruments for Safety of Hydraulic Structures in countries of Central Asia</th>
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<tr>
<td>Chairman – Mrs. Jyldyz Sarybaeva, Kyrgyzstan</td>
<td>Chairman – Mr. Georgiy Petrov, Tajikistan</td>
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9:30 - 9:45 Introductory word and proposals concerning the activities of the Working Group
Mr. Yuriy Steklov, Consultant

9:45 - 10:00 Current situation of national legislations on Safety of Hydraulic Structures in Central Asian Countries.
Mr. Yuriy Steklov, Consultant

Introductory word and proposals concerning the activities of the Working Group
Mr. Bo Libert, Regional Advisor, UNECE

Structure of regulatory, legislative and technical instruments with regard to Safety of Hydraulic Structures in Russian Federation
Mr. Dmitriy Radkevich, Consultant
10:00 -10:15 Discussion

Review of existing regulations and legislation with respect to Safety of Hydraulic Structures in Central Asian Countries

Mr. Oleg Makaraov, Kyrgyzstan

10:15 - 10:45 Development of an agreement on Cooperation with respect to Safety of Hydraulic Structures in Central Asia

Suggestions on standard structure and list of regulatory instruments to support the Safety of Hydraulic Structures in countries of Central Asia.

Mr. Yuriy Steklov, Consultant

Mr. Dmitriy Radkevich, Consultant

10:45 -11:00 Coffee-break

11:00 -12:30 Discussion

Discussion

12:30 -13:00 Adoption of recommendations of the Work Group

Adoption of recommendations of the Work Group

13:00 -14:00 Lunch Break

Second Plenary Session

Chairman – Mr. Kurbangeldy Ballyev, Turkmenistan

14:00 -14:15 Report from the Working Group on development of a Regional agreement on Cooperation with respect to Safety of Hydraulic Structures in Central Asian Countries Chairman of the Group - Ms. Jyldyz Sarybaeva, Kyrgyzstan

14:15 -15:00 Discussion

15:00 -15:15 Report from the Working Group on Harmonization of regulatory, legislative and technical instruments for Safety of Hydraulic Structures in countries of Central Asia Chairman of the Group - Mr. Georgiy Petrov, Tajikistan

15:15 -16:00 Discussion

16:00 -16:30 Coffee-break

Second Plenary Session

Chairman – Mr. Timur Kamalov, Uzbekistan

16:30 -16:45 Work Plan for 2009

Mr. Bo Libert, Regional Adviser, UNECE

16:45 -17:30 Discussion aimed at development of decisions and recommendations of the Meeting

17:30 -18:30 Reviewing and adopting the Decisions, Recommendations and Report of the Meeting

Conclusion of the Meeting

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

1. National Meeting on Dam Safety Cooperation in Central Asia, Tajikistan, Dushanbe, March 2009 – 1 day

2. Meeting of the Working Group on development of a Regional agreement on Cooperation with respect to Safety of Hydraulic Structures in Central Asian Countries Tajikistan, Dushanbe, March 2009 (immediately after the National Meeting) – 2 days

3. Training
   Uzbekistan, Tashkent (or Kyrgyzstan, Bishkek or Russia, Moscow), April 2009 - 3 days

4. Meeting of the Working Group on Harmonization of regulatory, legislative and technical instruments for Safety of Hydraulic Structures in countries of Central Asia Uzbekistan, Tashkent (or Kyrgyzstan, Bishkek or Russia, Moscow), April 2009 (immediately after the Training) – 2 days

5. Regional Meeting on Dam Safety Cooperation in Central Asia, Kyrgyzstan, Bishkek, November 2009 - 3 days
   i. Meeting of the Working Group on Harmonization of regulatory, legislative and technical instruments for Safety of Hydraulic Structures
   ii. Meeting of the Working Group on development of a Regional agreement on Cooperation with respect to Safety of Hydraulic Structures in Central Asian Countries
   iii. Plenary sessions
Appendix 4

List of materials distributed at the Regional Meeting on Dam Safety Cooperation in Central Asia  
Almaty, Kazakhstan, 18-19 November 2008


10. The list of legislative and regulatory instruments, as well as technical regulations of Russian Federation.

11. Consolidated list of legislative and regulatory acts and regulations of Central Asian countries on Safety of Hydraulic Structures with annotations.


13. Proposals for training courses under the project.