Rational and Efficient Use of Water and Energy Resources in Central Asia
Fields for cooperation in SPECA

- **Kazakhstan**: Transport and simplification of the bounders crossing
- **Kyrgyzstan**: Rational and efficient use of energy and water Resources
- **Tajikistan**: International economic conference on Tajikistan
- **Turkmenistan**: Development of hydrocarbon raw materials supply in the pipelines to world markets
- **Uzbekistan**: Reconstruction of industrial enterprises with the aim to create enterprises that could be competitive at international level
Main goals of the project

- regional strategy development on efficient use of energy and water resources of the region

- creation of demonstration zones of efficient use of energy and water resources

- strengthening institutional capacity of the region
Steps to be undertaken

Diagnostic studies

water sector

energy sector

Conception of the Regional Strategy

Regional Strategy on Rational and Effective Use of Water and Energy Resources

Action Plan
Major impediments to cooperation

➤ there are inter-sector and inter-state issues and tensions on sharing resources, in particular water and energy resources

➤ national policies on the use of water and energy resources are incomplete or inadequate

➤ instruments of regional cooperation in water and energy resource management do not meet qualifying standards or do not exist
STRUCTURE OF ENERGY STUDY

• Modern state of energy and perspectives of its development
• Modern state of energy savings and perspectives of its development
• Energy development scenarios at the period up to 2020
• Cooperation in the region
• Instruments needs and financial scope
Distribution of the regional organic fuel prospected resources and economically effective hydro potential in the countries of Central Asia
GDP power intensity of the region countries and leading industrially developed countries of the world
Contains of the Diagnostic Report on Water

• General characteristics of water resources state and use in Central Asia

• Review of problems, which need harmonization or agreement among the countries or sectors

• Recommended approaches to the current problems agreement
Aral Sea Basin: River Drain, Forming Within the State

Kazakhstan
21,593 км³ (18.6%)

Afghanistan and Iran
21,593 км³ (18.6%)

Turkmenistan
1,549 км³ (1.2%)

Uzbekistan
11,223 км³ (9.6%)

Tajikistan
50,583 км³ (43.4%)

Kazakhstan
2,426 км³ (2.1%)
Most urgent measures to be undertaken in the region in order to develop co-operation on water issues in the Central Asia countries

• Development and improvement of water allocation principles, including economic mechanisms.
• Improvement of the state of hydro technical facilities.
• Establishment of a unified water resources monitoring system, including monitoring of water quality.
• Development of a national water policy with due consideration of agreed national and regional interests.
• Improvement of the national water legislation.
• Improvement of an inter-state system of cooperation in the field of comprehensive use and protection of transboundary water resources.
• Development and improvement of the legal basis of inter-state relations for the use and protection of transboundary watercourses.
• Establishment of the mechanism for coordination of international assistance.
Recommended approaches to coordination of current problems

- Definition of potential reserves of water resources in the region;

- Assessment of water needs for each of the country for a long perspective;

- Agreement of water consumption quotas for each of the country taking into account perspectives of development;

- Agreement of schedules of internal consumption of water resources that have intergovernmental significance;

- Agreement of water resources quality coefficients that need to be provided at water objects of intergovernmental significance;

- Agreement of procedures of intergovernmental water resources allocation and mutual control of its realization.
Principals of intergovernmental water resources sharing

✓ Allocation of water reserves by quotas in accordance with current and perspective water consumption in the Central Asia countries;

✓ Establishment of a water supply schedule to the Central Asia countries;

✓ Definition of complex demands of water quality;

✓ Establishment of procedures of decision agreement on water allocation and control measures;

✓ Development of economic mechanisms of transboundary water use by the countries.
Basic principals of cooperation development

• Readiness of the Central Asia countries for integration, coordination of activities on the basis of community of interests and establishment of the biggest favorable economic regime;

• Achievement of a consensus between the Central Asia countries and of an open dialog with international community outside the region between donors and
Thank you for attention!