



IPROMO Course
“Protecting Mountain Biodiversity”

Self-introduction
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Kyrgyzstan

Background

- **University of Tsukuba**

- Graduate School of Life and Environmental Sciences,
- Tsukuba, Japan 2007-2009
- Master of Environmental Sciences
 - Major: Environmental Policy
 - Thesis Study: “Livelihood of local people and their perceptions on Protected Areas”

- **Kyrgyz National University**

- Faculty of Geography and Ecology
- Bishkek, Kyrgyzstan 1998-2003
 - BSc, 5 year complete diploma

Background

- State Agency on Environmental Protection and Forestry under the Government of the Kyrgyz Republic
 - Department of State Environmental Expertise, Biodiversity Conservation, Protected Areas and EcoEducation
 - Bishkek, Kyrgyzstan
 - 2003-2007, 2009 – up to present

- State Agency on Environmental Protection and Forestry under the Government of the Kyrgyz Republic is a body exercising cross-sectorial management and control in the fields of environmental protection and rational use of natural resources
- Department of State Environmental Expertise, Biodiversity Conservation, Protected Areas and EcoEducation:
 - State Environmental Expertise;
 - **Biodiversity Conservation:**
 - Protected Areas:
 - State Nature Reserve;
 - National Parks;
 - Reserves \ natural sanctuaries (zakazniki);
 - Environmental Education and Increasing of Public Awareness



Kyrgyz Republic

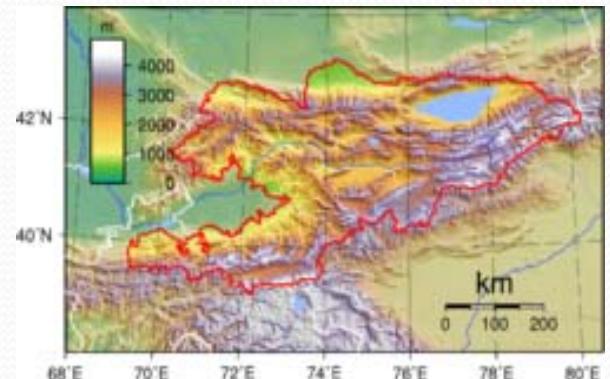
Area – 198,5 thous sq. km;

Distance from nearest ocean – 3 thous km;

Climate – arid and continental;

Altitude amplitude 500-7134 m asl;

90% of republic's territory is located over 1500 meters



Biodiversity of Kyrgyzstan

- There are a rich diversity of resources – species, ecosystems and land forms concentrated in Kyrgyz Republic*
- In spite of its rather small territory Kyrgyz Republic has sufficiently high amount of species diversity – about 1% of all known aspects on 0.13% of Earth surface*.
- There are 20 classes of ecosystems marked out in Kyrgyz Republic, one of which is anthropogenic. Compound high altitude relief of Kyrgyzstan situated in southern part of temperate zone creates favorable conditions for existence of all main types of natural ecosystems, starting from deserts and finishing with high altitude mountainous tundra

*National Strategy and Action Plan on conservation of biodiversity of the Kyrgyz Republic, Bishkek, 1998.

Biological diversity of Kyrgyzstan

Group	World		Number of species in	% of world number of species	Number of species per 1 thousand km2	Number of species in Red Data List of KR
	Number of species in the world	Number of species per 1 thousand km2				
Ultramicrobe (virus), bacteria, protozoan	5760	0,011	261	0,05	1,32	0
Inferior plants	73883	0,145	3676	4,98	18,57	5 (0,13%)
Higher plants	248428	1,666	4200	1,52	19,12	83 (2,19%)
	36200	0,071	1282	3,54	6,47	0
(Spisula) dipper	50000	0,098	168	0,34	0,85	0
Arthropods	874161	5,860	10242	1,17	51,72	18 (0,17%)
Fish	19056	0,041	75	0,39	0,38	7 (9,33%)
Amphibian	4184	0,023	4	0,09	0,02	2 (50%)
Reptile	6300	0,047	33	0,52	0,15	8 (24,24%)
Birds	9040	0,062	368	4,07	1,86	57 (1,54%)
Mammal	4000	0,027	83	2,07	0,44	23 (27,71%)





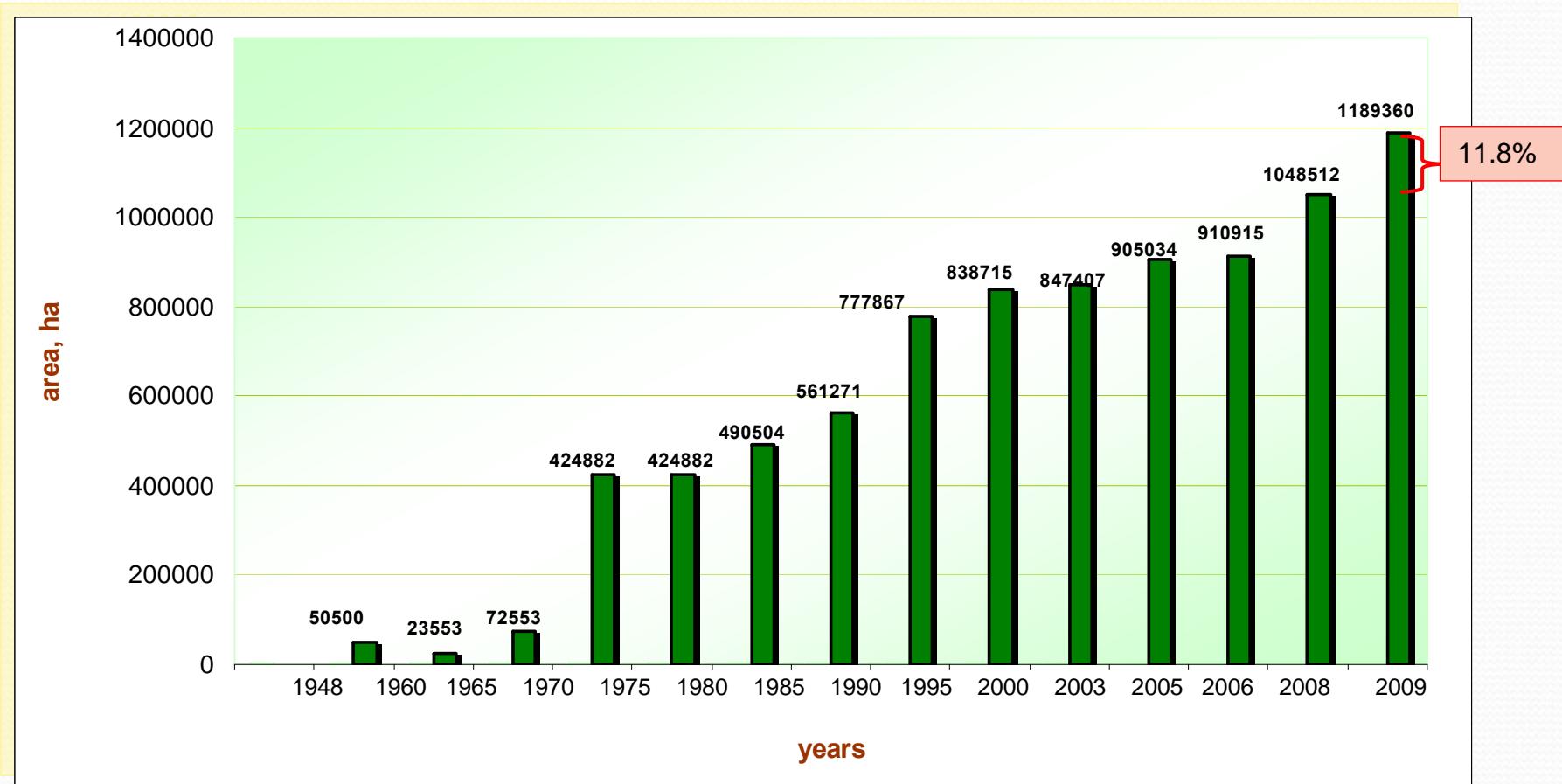


Protected Areas system in the Kyrgyz Republic

Type of PA	IUCN category	Number	Total area by category, ha	Description
State nature reserves (zapovedniki)	I (a,b)	10	600, 7 thous	a specially allocated territory, which has a special economic, scientific or cultural value; natural wealth of a reserve is used only for conducting scientific research;
National parks	II	9	287,2 thous. ha;	created in order to protect scenic areas and landscapes and to organize recreation of people
Reserves (zakaznik) ➤ Hunting reserve ➤ Botanical reserve ➤ Forest reserve ➤ Complex reserve ➤ Natural monuments	IV IV IV IV III	68	301,4 thous. ha;	created in order to protect specific species Land use or other activities are allowed
			1189306,4 ha \ 6,3 % of country's territory	

- Biosphere Territory “Yssyk-Kol”
1998, whole Yssyk-Kol region – 43,1 thous km sq
Man and Biosphere Program
- 2 Ramsar Sites:
 - Yssyk-Kol Lake, 1606m asl
 - Chatyr-Kul Lake, 3130 m asl

Protected Areas



Current activities on Biodiversity Conservation

- Updated the Red Data Book of the Kyrgyz Republic
 - The list of species approved by the Governmental Decree #471 25 July 2009
- New National Strategy of Biodiversity Conservation – in the process
- Revision of the Law of the Kyrgyz Republic on “Especially Protected Natural Areas”
- Environmental Awareness Activities – March of Parks, EcoEducational Events etc.
- *in-situ* conservation – Protected Areas
- In 2010 (in process)
 - Dashman State Nature Reserve
 - “Avletim-Ata” National Park
- Initiatives:
 - Sary-Djaz Nature Park

Expectation from the Course

- to learn more about:
 - Methods of Biodiversity **Assessment**
 - Methods of Protected Areas' Assessment
 - International experience in a field of biodiversity conservation

Thank you for your attention

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