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Usage of the
“Electronic Jayit Committee”
Information System in Pasture
Committees of Kyrgyzstan

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Kyrgyz Republic



Population	6 million 156 thousand 750 people
Area	199,900 km²
Neighboring countries	China, Kazakhstan, Uzbekistan, Tajikistan
Language	State Kyrgyz, official Russian
Capital	Bishkek
Administrative division	Seven regions divided into districts
National currency	Som (KGS, code 417)

KYRGYZ PASTURES



More than 93% of Kyrgyzstan's territory is occupied by mountain ranges of the two greatest mountain systems - Tine Shan and Pamir-Alai, which are covered by large tracts of natural pastures with total area more than 9 million hectares and occupies more than 85% of total agricultural land area. The average altitude above sea level is 2750 m, about 1/3 of the territory is at an altitude of 400 to 3000 m. The highest point is Victory Peak (7439 m)

Ecosystem of pastures (01.01.2017):



498.4 thousand head of horses, including 277.5 thousand broodstock



Total number of sheep
6 500 thousand.



The total number of yaks is 38 778 heads.



The camel industry is lagging behind other industries and is represented as exotic animals.



Total number of cattle - 1528 thousand heads, of which 770 thousand are dairy



Deer (550 heads), arhars (22 thousand heads), ibex (38 thousand heads), roe deer (5 thousand heads), wild boars (1 thousand heads)

The Constitution of the Kyrgyz Republic

- The earth, its bowels, airspace, waters, forests are the exclusive property of the Kyrgyz Republic, are used to preserve a single ecological system as the basis for the life and work of Kyrgyzstan's people and are under special protection of the state.

The government has passed all of the pasture territories of Kyrgyzstan for their management, usage and improvement to the members of local communities.



UNDP/GEF Project “Demonstration Of Sustainable Mountain Pastures Management In Suusamyr Valley, Kyrgyzstan”



*Empowered lives.
Resilient nations.*

Replication of the Best Pasture Management Practices In Pasture Committees



A wide-angle photograph of a lush green hillside covered in sheep. The sheep are scattered across the slope, some grazing, some standing, and some resting. The hillside rises from the bottom left towards the top right. The sky is a pale, clear blue. The overall scene is peaceful and depicts a typical pastoral landscape.

**PROVIDING SUSTAINABLE PASTURE
MANAGEMENT IN PASTURE COMMITTEES**

Implementation And Usage Of “Electronic Jayit Committee” Information System

Three main outcomes of the UNDP-GEF “Demonstration Of Sustainable Mountain Pastures Management In Suusamyр Valley, Kyrgyzstan” Project, which turned into the basis of the developed “Electronic Jayit Committee” Information System, are:

- Performed Stock-Taking/Inventory of Pastures;
- Geobotanical Examination of Pastures;
- Developed Plan of Livestock Grazing, Considering Migration Corridor of Wild Animals



Implementation And Usage Of “Electronic Jayit Committee” Information System

- **“Electronic Jayit Committee”** IS contains an electronic map of Suusamyr valley and allows to document pasture areas, number of pasture users and the livestock, record of vaccinations, payments for livestock per capita, and issued pasture tickets.
- **The system has** a plan of livestock grazing, which includes the time periods, routes, pasture areas with data on productivity and capacity that are being updated by Jayit Committees annually.



Implementation And Usage Of “Electronic Jayit Committee” Information System

- Pasture Area Card Contains:
 - Inventory data on the condition of a pasture area;
 - List of pasture area outlines with data on inventory;
 - List of issued pasture tickets
- Issued Pasture Ticket Includes:
 - Pasture user’s data;
 - Livestock grazing routes;



Implementation And Usage Of “Electronic Jayit Committee” Information System

- Issued Pasture Ticket Includes:
 - Grazing livestock count;
 - Data on vaccinations;
 - Pasture areas with data on productivity, capacity of pastures, etc.;
 - Payment sum accruals;
 - Record of payments
- The Reports Contain:
 - Issued pasture tickets;
 - Debt of pasture users;
 - A load on pasture areas;
 - Stock-taking/Inventory of pasture areas and outlines;
 - A register of pasture areas



Implementation And Usage Of “Electronic Jayit Committee” Information System

- “Electronic Jayit Committee” IS has been approved and implemented in Suusamyр Jayit Committee since 2011. Currently, “Electronic Jayit Committee” Information System is being introduced to Jayit Committees of 18 rayons in 6 regions (oblasts) of the Republic.
- Distribution of the best experience of Suusamyр project to other regions of the country became one of the directions of this initiative.



- At present time, we have reached an agreement about replicating “Electronic Jayit Committee” Information System with neighbor countries. In particular, a contract has already been signed with the Public Foundation Farmers of Kazakhstan to implement and distribute innovative experience of “Electronic Jayit Committee” Information System in one akimiat (local authority) of Almaty region, Republic of Kazakhstan. Representatives of Tajikistan and Uzbekistan have also shown their interest in the electronic system. A few months ago, a delegation from Uzbekistan of 18 representatives from interested ministries and departments visited us within the experience exchange.



Implementation And Usage Of “Electronic Jayit Committee” Information System

- Main work has been performed in pasture committees on stock-taking/inventory, geobotanical examination, economic assessment and development of livestock grazing plans, which gave an opportunity to clearly identify usage borders of the territories and their area, determine a composition of plant communities, types and seasons of pastures and their productivity, prolificness, capacity of pastures, gross nutrition reserve, presence of uneatable, wild and poisonous plants.

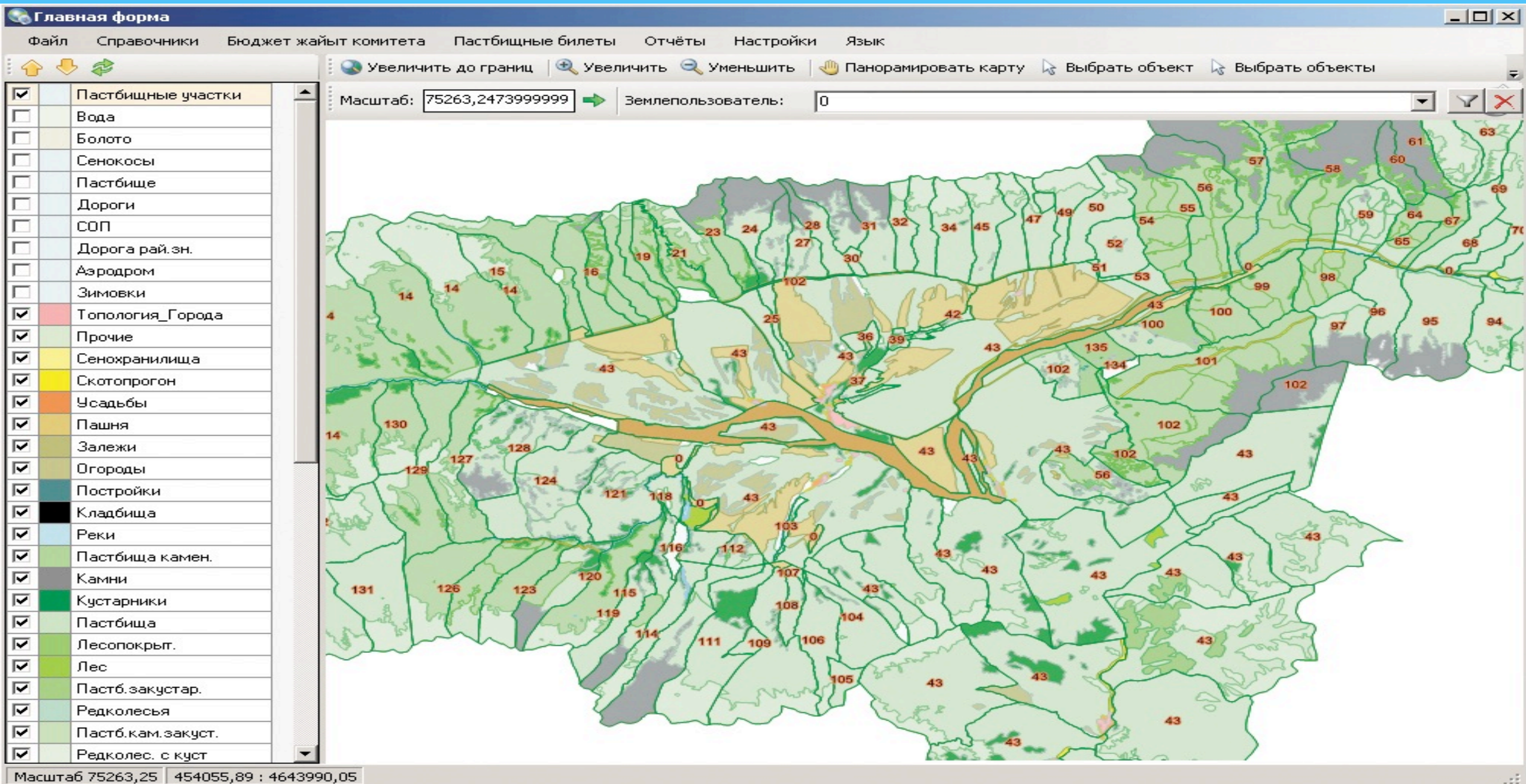


Implementation And Usage Of “Electronic Jayit Committee” Information System

- During the work process, a record of the actual livestock, their grazing area, transhumance routes and usage time periods was documented.
- Within the economic assessment, a production of livestock goods, their final costs and potential income of villagers from the used area were taken into account.



Implementation And Usage Of "Electronic Jayit Committee" Information System



- Pasture Area Card Contains:
 - Inventory data on the condition of a pasture area;
 - List of pasture area outlines with data on inventory;
 - List of issued pasture tickets

Поиск пастбищных билетов

Критерии поиска

Номер пастбищного билета: Пользователь:

Год пастбищного билета:

1 из 106 | Данные пастбищного билета

	Номер	Год	Дата выдачи	Пользователь	Маршрут выпаса 1	Маршрут выпаса 2	Маршрут выпаса 3	Нач сум
▶	2	2017	16.04.2017 5:09	Бейшекеева Капый	Сандык	Таш-Кечуу	Сандык	173,6
	27	2017	19.04.2017 6:59	Орозалиев Жумабек	Орто-Мойнок	Жалгыз-Тал	Орто-Мойнок	1221
	95	2017	14.05.2017 2:58	Оюкеев Эркин	Кайсар	Арамза	Кайсар	173,6
	56	2017	25.04.2017 1:20	Чылымов Мурат	Шорго	Байтике	Шорго	297,6
	11	2017	21.04.2017 5:16	Кыдыралиев Шергазы	Кара-Кол	Чаар-Таш	Кара-Кол	644,8
	103	2017	23.05.2017 0:39	Кадыралиев Токтогул	Токойлуу	Корумду	Токойлуу	1016
	11111	2017	02.12.2017 2:12	Абакиров Абазбек	1	2	3	0,000
	10	2017	16.04.2017 3:57	Турусбекова Сайна	Чыйырчык	Кароол-Добо	Капкан-Таш	334,8
	30	2017	19.04.2017 7:31	Уколов Рыспай	Уч-Эмчек	Уч-Эмчек	Уч-Эмчек	124,0
	66	2017	04.05.2017 6:48	Кадыркулов Азамат	Кырчынды-коо	Кулаган-жар	Ийринин-бою	341,0




- The Reports Contain:
 - Issued pasture tickets

Выберите вид отчёта

Выданные пастбищные билеты
 Задолженность арендаторов
 Загруженность пастбищных участков

Параметры

Год: 2017 Землепользователь: 0

 Отчет

Выданные пастбищные билеты за 2017 год
Суусамырский айыл окмоту

№ п.п.	Билет №	Дата выдачи	ФИО	Кол. усл. голов	Начислено сом	Уплачено сом
1	1	15.04.2017	Ботогоев Жакутбек	12	328.60	164.30
2	10	16.04.2017	Турусбекова Сайна	10	334.80	234.36
3	100	18.05.2017	Табалдиев Тентимиш	77	1550.00	1085.00
4	101	19.05.2017	Сыдыгалиева Шайым	36	688.20	688.20
5	102	20.05.2017	Кашкаров Эмилбек	27	843.20	590.24
6	103	23.05.2017	Кадыралиев Токтогул	66	1016.80	711.76
7	104	23.05.2017	Исмаилов Калык	38	830.80	581.56
8	11	21.04.2017	Кыдыралиев Шергазы	31	644.80	451.36
9	11111	02.12.2017	Абакиров Абазбек	1111	0.00	0
10	12	18.04.2017	Сейиткулов Артылбек	42	568.54	568.54
11	13	18.04.2017	Усекеева Атырбубу	12	229.40	229.40
12	14	18.04.2017	Сейиткулов Бектен	9	147.56	147.56
13	15	18.04.2017	Б. К.	16	277.50	277.50



- The Reports Contain:
 - Debt of pasture users

Задолженность арендаторов за 2017 год
Суусамырский айыл окмоту

№ п.п.	Билет №	Дата выдачи	ФИО, паспортные данные	Кол. усл. голов	Начислено сом	Уплачено сом	Долг сом
1	27	19.04.2017	Орозалиев Жумабек	60	1221.40	650.00	571.40
2	95	14.05.2017	Оюкеев Эркин	10	173.60	121.52	52.08
3	56	25.04.2017	Чылымов Мурат	19	297.60	208.32	89.28
4	11	21.04.2017	Кыдыралиев Шергазы	31	644.80	451.36	193.44
5	103	23.05.2017	Кадыралиев Токтогул	66	1016.80	711.76	305.04
6	10	16.04.2017	Турусбекова Сайна	10	334.80	234.36	100.44
7	66	04.05.2017	Кадыркулов Азамат	17	341.00	238.70	102.30
8	5	16.04.2017	Алымбаева Букой	143	2765.20	1500.00	1265.20
9	34	20.04.2017	Токонова Айжамал	19	334.80	167.40	167.40
10	102	20.05.2017	Кашкаров Эмилбек	27	843.20	590.24	252.96
11	48	20.04.2017	Калдиев Николай	42	923.80	461.90	461.90
12	75	10.05.2017	Асанкулова Эльмира	7	117.80	82.46	35.34



- The Reports Contain:
 - A load on pasture areas

**Загруженность пастбищных участков на год
Суусамырский айыл окмоту**

№ п.п.	Принадлежность и местоположение	Площадь участка/Общая площадь (га)	Емкость пастбищ усл. гол.	Выпасаемое кол. усл. голов	Загруженность
1	Левобережье реки Каракол бассейн ручья Карасай	2602	4036	100	-3936
2	Левобережье реки Каракол бассейны ручьев Ак-Мойнок и Джоу Джарек склоны разных экспозиций	9054	12483	1742	-10741
3	Левобережье реки Каракол бассейны ручьев Ак-Мойнок и Джоу Джарек склоны разных экспозиций	9054	12483	3955	-8528
4	Левобережье реки Кокомерен восточнее села Кызыл-Ой Склоны разных экспозиций	5231	4619	454	-4165
5	Левобережье реки Кокомерен восточнее села Кызыл-Ой	5231	4619	516	-4103



- The Reports Contain:
 - A register of pasture areas

Ведомость пастбищных участков

№ п.у.	Принадлежность и местоположение	Площадь участка Общая (га)	Типы растительности	Хозяйственное состояние	Средняя урожайность	Кормовое достоинство	Запас корма к.ед.	Емкость пастбищ усл. гол.
Суусамыр а/о								
1	Левобережье реки Суусамыр ур. Аргыджала, Майдай, Токойлу бассейн ручья Карабулак до Ур. Кайсар	8565	-типчаково-осоковые, -полынно-типчаковые, -злаково-разнотравные	Ядовитые Аконит, Непоедаемые Эремурус, Эстрагон, Вкрапленные залежи используют как сенокос Карагана 124 га	7.7	0.49	22015	14677
2	Левобережье реки Суусамыр по левобережью ручья Койсар до автодороги на а/о	4387	-типчаково-ковыльные, -типчаково-осоковые засоренные эремурусом и ферулой, -полынно-типчаковые	Непоедаемые Эремурус, Ферула, Эстрагон, Липучка, Рекомендуется подсев злаковых трав Карагана 123 га	6.6	0.53	10851	7234
3	Между автодорогой на а/о Суусамыр и ручьем Ак-Суу	8285	-осоково-злаковые, -типчаково-осоковые, -злаково-разнотравные, -осоково-злаковые закустаренные караганой	Непоедаемые Эстрагон, Эремурус, Ферула, Карагана 418 га	7.5	0.5	15416	10278
4		315.0625						



Implementation And Usage Of “Electronic Jayit Committee” Information System

- An implementation of the system enabled rational and sustainable pasture management, considering ecologically safe load on pastures, and showed its effectiveness, since such a mechanism allows to promptly manage pastures, monitor the condition of pastures and track land degradation processes.
- The system has functions to record the livestock count and control vaccinations; also, it allows to search for pasture tickets, livestock transhumance routes, grazing livestock count, grazing areas, payment sum accruals, record of payments and accountings.
- “Electronic Jayit Committee” IS will contribute to establishing fair and socially acceptable system of pasture distribution, solving conflicts of interests, and will provide with an effective public control (accountings, transparency); thus, will improve the system of pasture management on local level.



Implementation And Usage Of “Electronic Jayit Committee” Information System

- All of the directors and members of pasture committees highlighted an importance of the electronic module, since an automated “Electronic Jayit Committee” Information System significantly made it easier to work with pasture users.
- In particular, they noted that the accounting methods have improved, which helps to control processes of vaccinations, count the actual number of livestock, monitor pasture degradation and regulate payments of pasture committees.
- This brings a confidence that the results achieved through the time of its implementation will be sustainable and will find extension in future work on improving practices of pasture management in pasture committees, and ,without a doubt, will positively influence the condition of the environment.





**LET'S PRESERVE OUR PASTURES
FOR THE FUTURE GENERATION!**



THANK YOU FOR YOUR ATTENTION!