Integration of the SMART Program in Chon Kemin State Nature Park

german cooperation
DEUTSCHE ZUSAMMENARBEIT

Implemented by:

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

ILBIRS FOUNDATION
ИЛБИРС ФОНДУ

Project Background

"Enhancing Transboundary Conservation Efforts Between Chon Kemin State Natural Park and Ile-Alatau National Park"

- Chon Kemin State Natural Park in Kyrgyzstan and Ile-Alatau National Park in Kazakhstan are two separate protected areas of high biodiversity value that neighbor one another on the Kyrgyz-Kazakh border

- Though managed and perceived as two distinctly separate territories, this transboundary environment still functions as a singular ecosystem

- For conservation efforts to achieve their full potential in this transboundary area, cooperation and collaboration must be facilitated between the two protected areas

- The overall goal is to enhance the capacities of local park management staff and facilitate transboundary cooperation so that these two territories may be viewed and protected as a singular ecosystem

Activities

1. Park Assessments with Management Effectiveness Tracking Tool

2. Wildlife Monitoring and Data Collection

3. Communication and Exchange of Information

4. Enhancing Local Conservation Capacities

5. Establishing a Joint Action Plan

What is SMART?

- SMART stands for Spatial Monitoring and Reporting Tool.

- Rangers utilize the SMART app to collect data during patrols, associating it with specific locations and times. The information gathered depends on the requirements of the protected areas

- SMART database operators manage and process this data

- The SMART patrol system is currently in use in over 700 protected areas in more than 60 countries, with national implementation in 12 countries. In Kyrgyzstan, SMART was introduced in 2021.
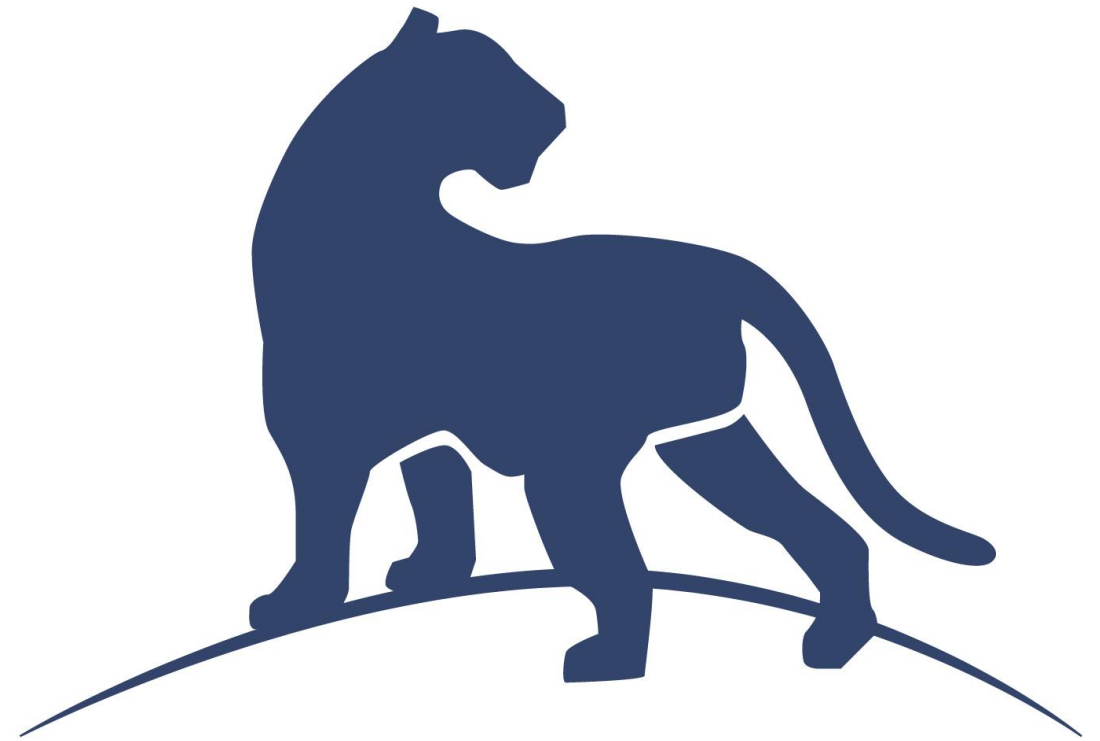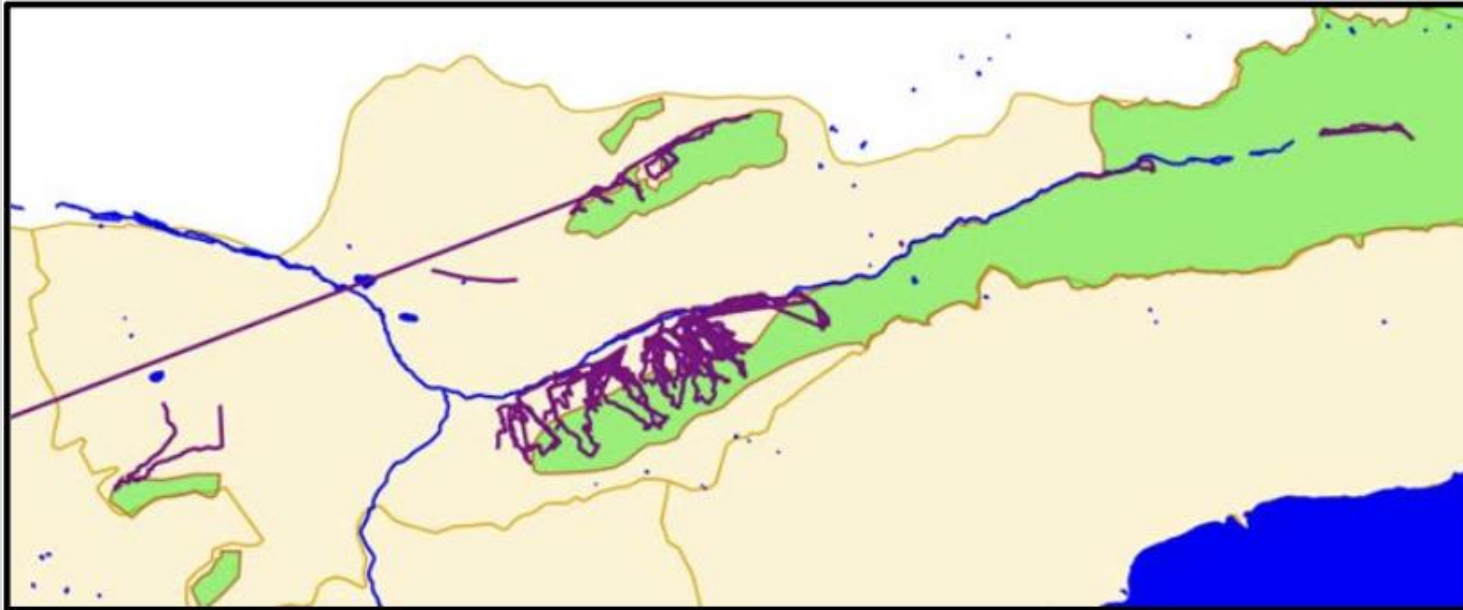
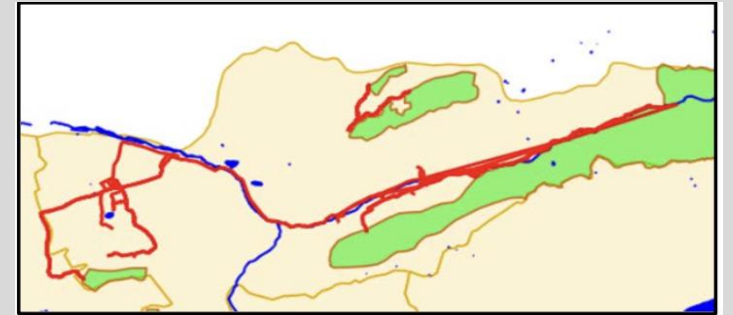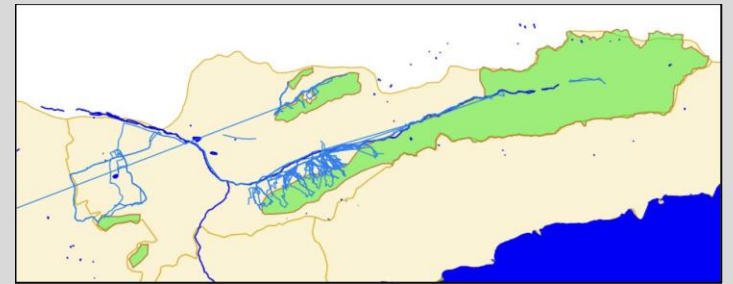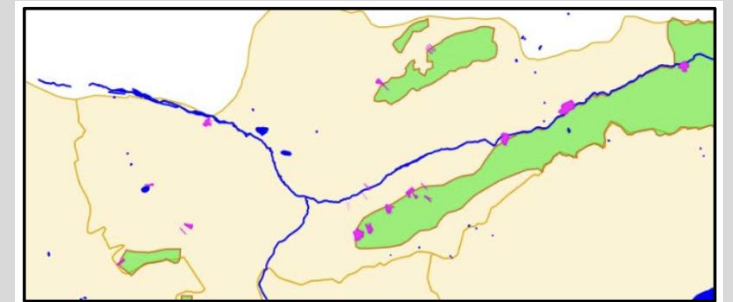# The Application
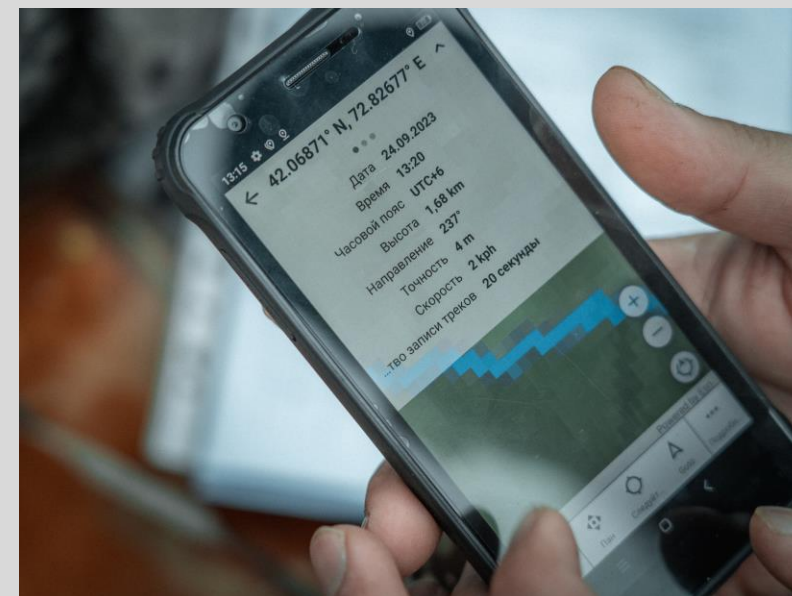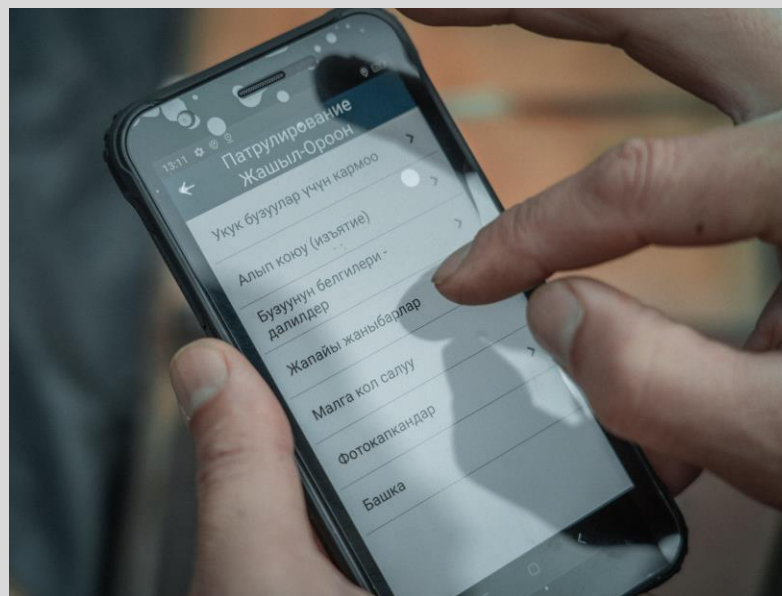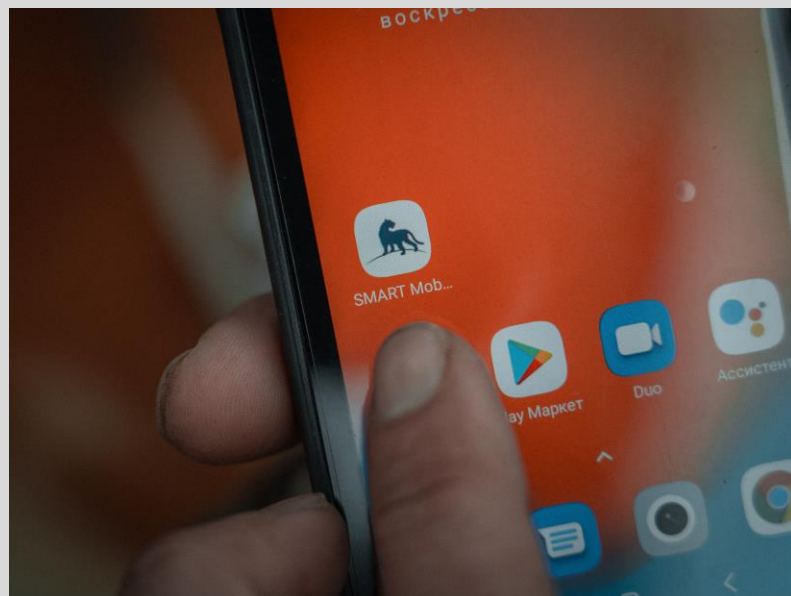
Patrol Routes
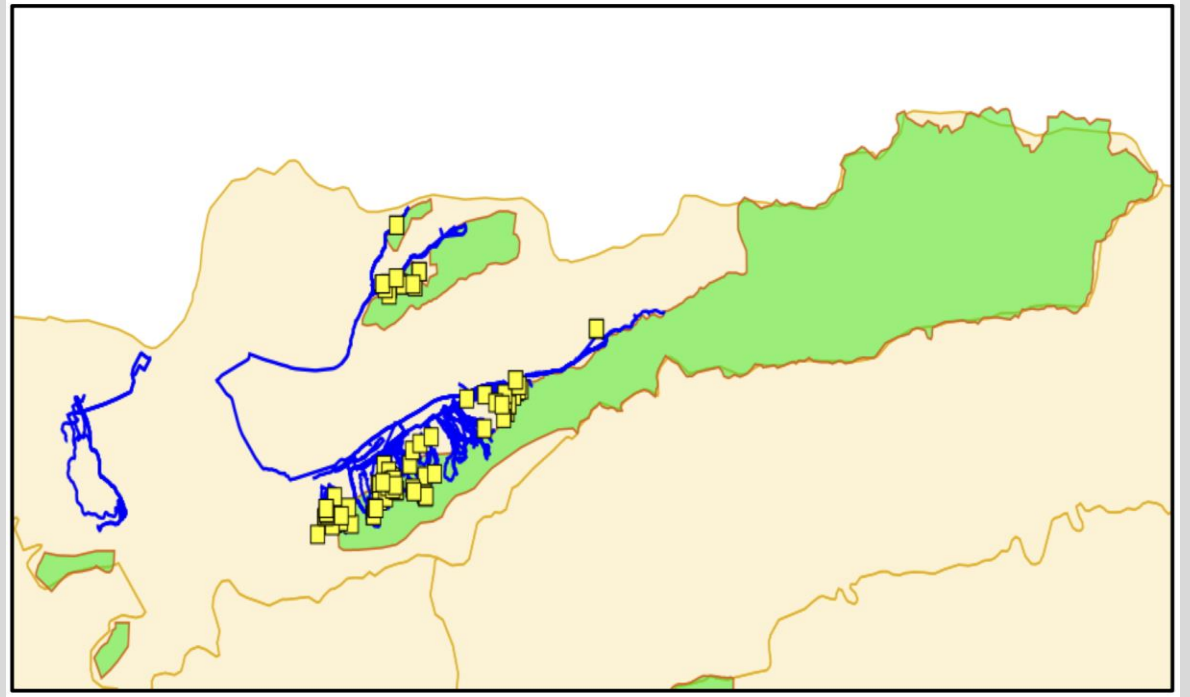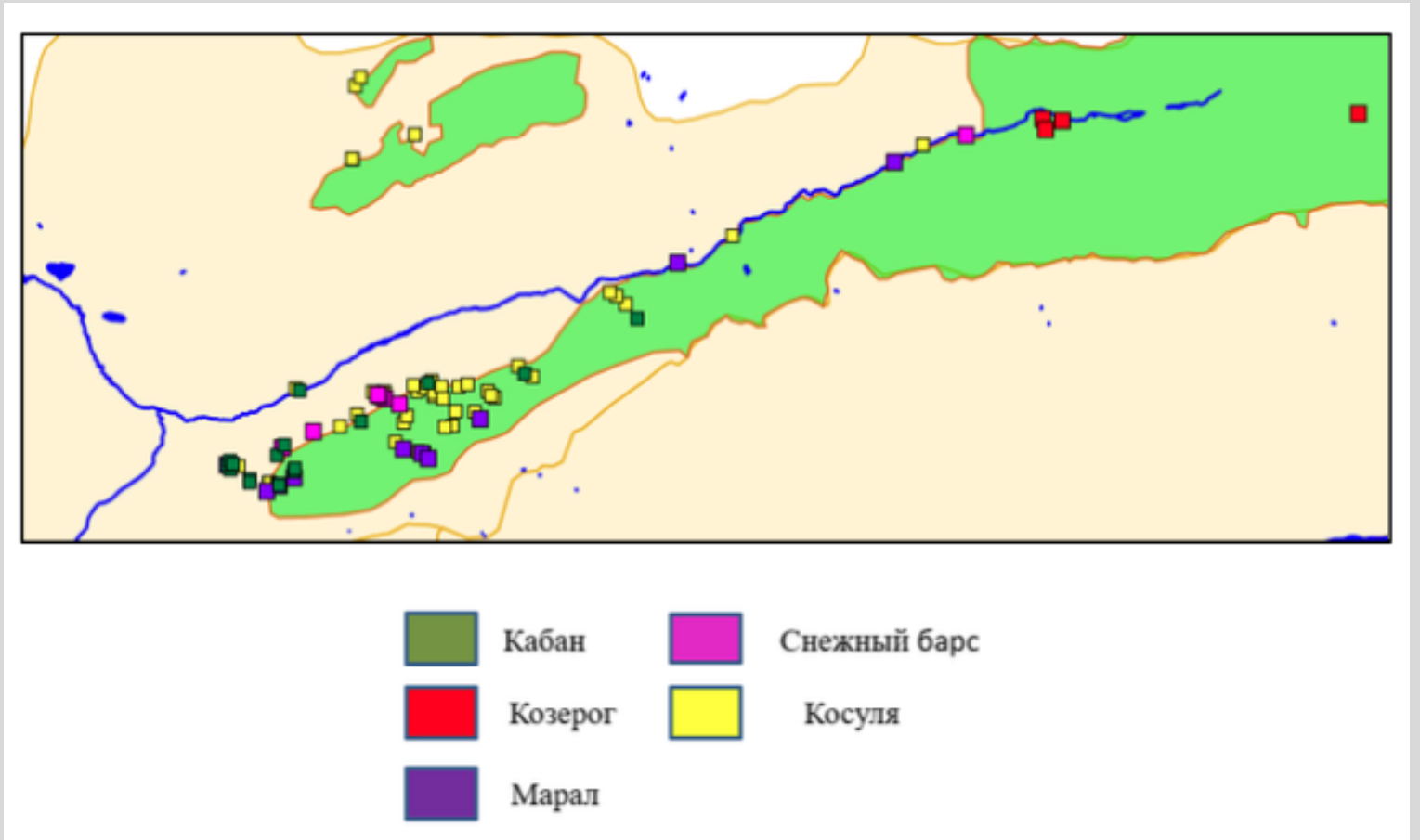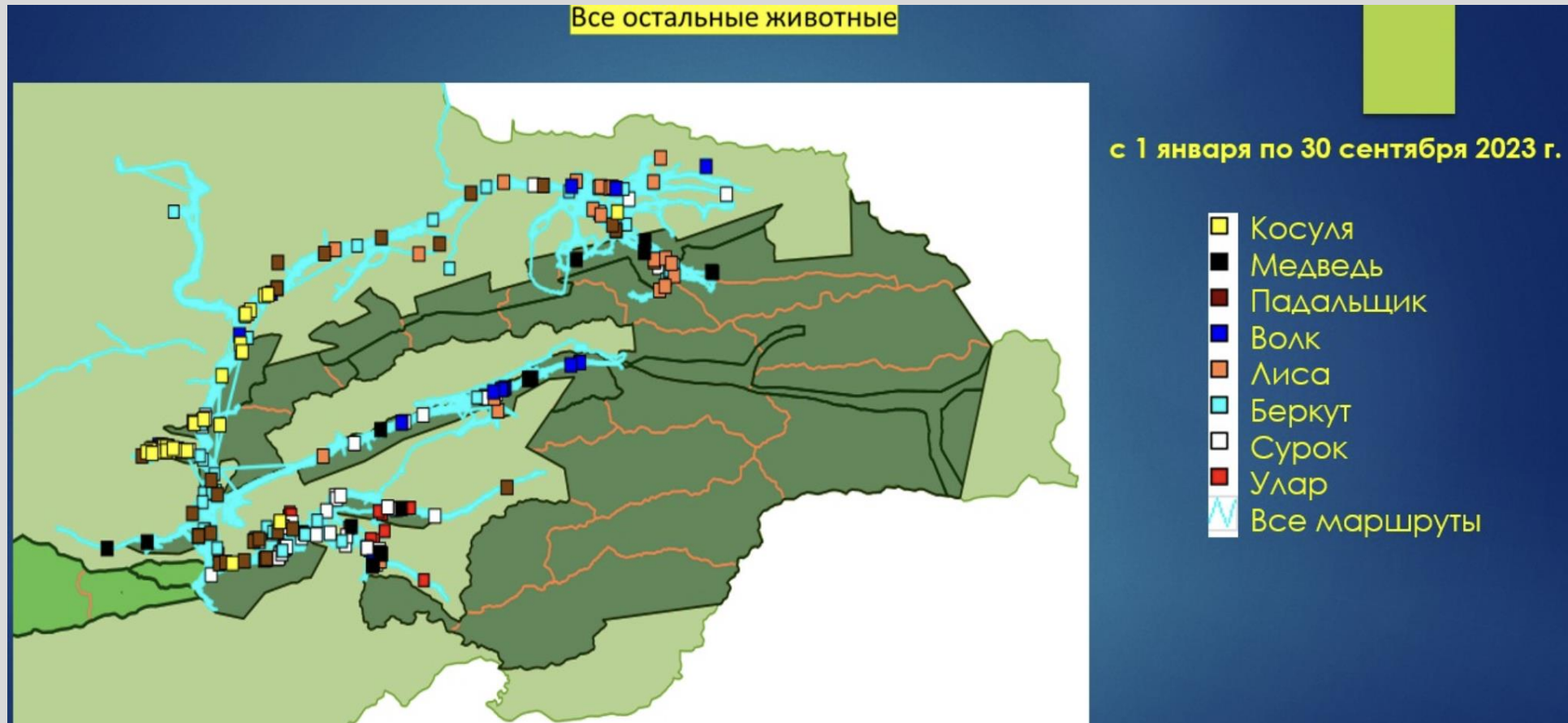

All Patrols

By Car

On Horseback

On Foot

Animal Sightings

Animal Sightings

Animal Sightings

Data Collection

Human Wildlife Conflict

Assessing Rangers Performance

Info	quarter	Days	Distance of routes (km)				Time spent on patrol (hours)			
			Auto	Hiking	Horseback	Total	Auto	Hiking	Horseback	Total
Ranger A	1st quarter	2	123		16	139	7		2	9
	2nd quarter	19	632	1	300	933	94	1	64	159
	3rd quarter	16	480		101	581	28		16	44
	4th quarter	17	540		295	835	50		30	80
	total	38	1295	1	712	1907	151	1	112	292
Ranger B	1st quarter	5	134		85	219	7		17	24
	2nd quarter	6	208		58	266	38		7	45
	3rd quarter	9	312	29	150	491	46	6	15	21
	4th quarter	14	351	43	240	634	48	10	69	127
	total	34	1005	72	533	1610	139	16	108	217
Ranger C	1st quarter	4	123		243	366	7		27	34
	2nd quarter	3	150		50	200	8		26	34
	3rd quarter	6	72		122	194	8		38	46
	4th quarter	26	1036	5	202	1243	132	2	30	164
	total	39	1336	5	617	2003	155	2	121	278
Ranger D	1st quarter	6	103	1	90	194	9	1	27	37
	2nd quarter	1		1		1			6	6
	3rd quarter									
	4th quarter									
	total									
Ranger E	1st quarter	3		20	149	169		5	31	36
	2nd quarter	10	196	23	232	451	34	6	37	77
	3rd quarter	16	279	25	153	457	158	31	88	277
	4th quarter	6	267		172	439	13		47	60
	total	35	742	68	706	1516	205	42	203	450
Ranger F	1st quarter	15	471	2	78	551	122	1	82	205
	2nd quarter	10	304	53		357	133	4		137
	3rd quarter	6	118	62	147	327	33	28	10	71
	4th quarter	11	287	40	81	408	88	6	10	104
	total	42	1180	157	306	1643	376	39	102	517

Transboundary Potential