

Central Asian Mammals and Climate Adaptation

Enhancing the conservation of flagship migratory mammal species of Central Asia through climate-informed management and decision making

Supported by:



Federal Ministry
for the Environment, Nature Conservation,
Nuclear Safety and Consumer Protection



based on a decision of
the German Bundestag

Protecting Mountain Species



Project data			
Countries	Kazakhstan, Kyrgyzstan, Tajikistan	Implementing partners	Association for the Conservation of Biodiversity in Kazakhstan
Pilot sites	Ili-Balkhash (KAZ), Jhongar Alatau (KAZ), Naryn – Khan Tenghiri corridor (KGZ), Yaghnob NP (TJK), Tigrovaya Balka (TJK)		CAMP Alatoo – Kyrgyzstan
Implementing organisation	UN Environment Programme (UNEP)		CAMP Tabiat – Tajikistan
Political partners	Committee for Environmental Protection under the Government of Tajikistan		GRID-Arendal
	Ministry of Ecology, Geology and Natural Resources of the Republic of Kazakhstan		Ilbirs Foundation
	Ministry of Natural Resources, Ecology and Technical Supervision of the Kyrgyz Republic		Secretariat of the convention on the Conservation of Migratory Species of Wild Animals
BMVU grant:	6.000.000 EUR		Tajikistan Nature Foundation
Duration	02/2021 – 12/2025		WWF US

Objective

increase the resilience of Central Asia flagship mountain and other migratory species and associated ecosystems to climate change and related threats.

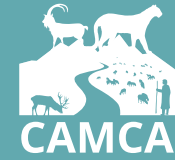
| Outcome

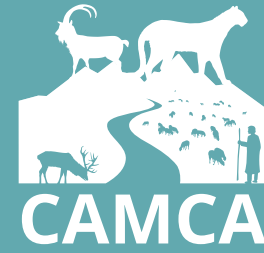
Results of the pilot interventions/ strategies on EbA to climate change and climate change-informed wildlife management

are

integrated into planning and policy processes in Kazakhstan, Kyrgyzstan, Tajikistan

at the **local, national and regional levels**





ARGALI
SHEEP



АРХАР

BUKHARA
DEER



БУХАРСКИЙ
ОЛЕНЬ

SNOW
LEOPARD



СНЕЖНЫЙ
БАРС

TIAN SHAN
MARAL



ТЯНЬ-ШАНЬСКИЙ
МАРАЛ

TIAN SHAN
BROWN BEAR



ТЯНЬ-ШАНЬСКИЙ
БУРЫЙ МЕДВЕДЬ

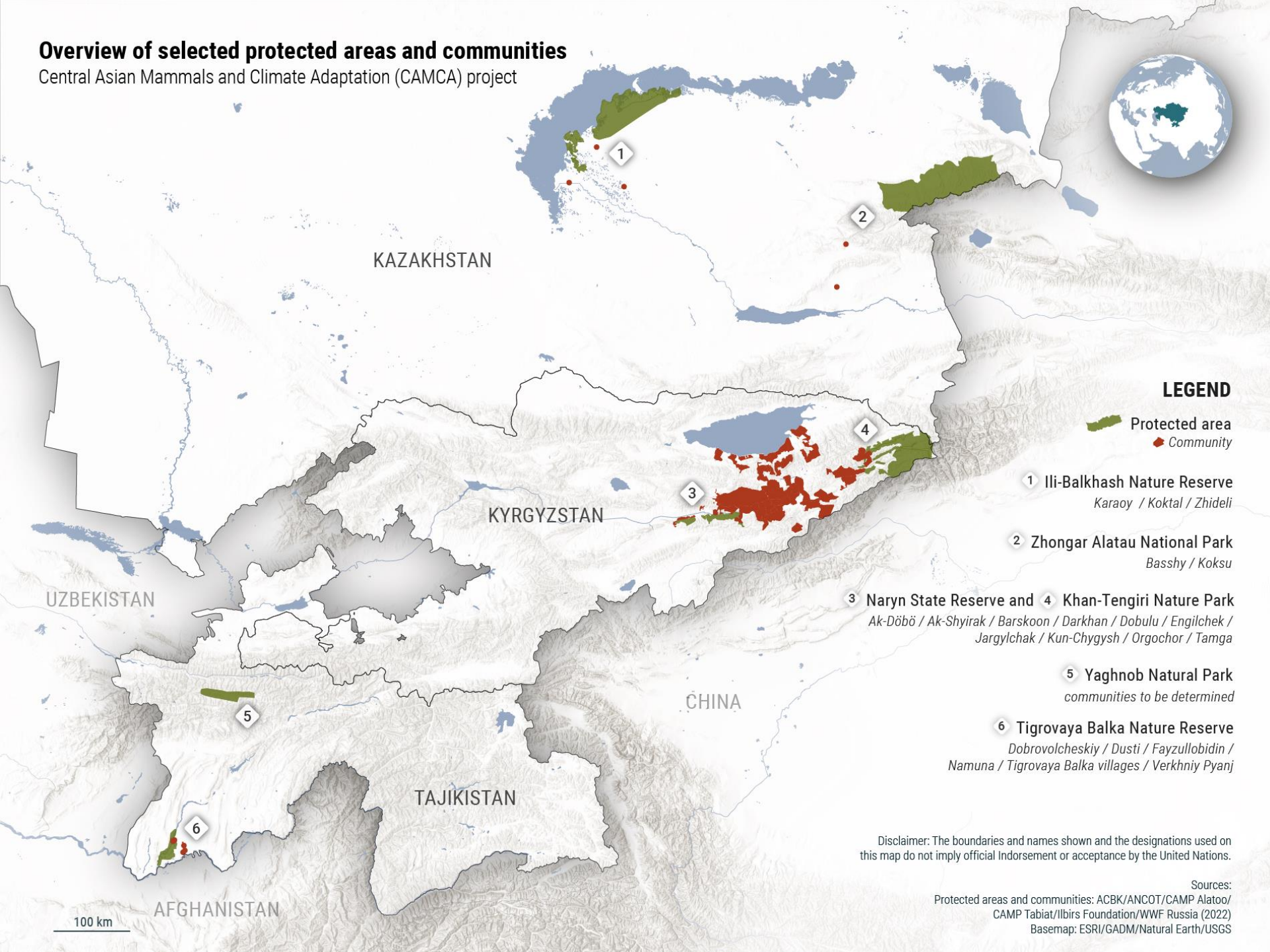
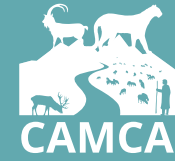
ASIATIC
IBEX



СИБИРСКИЙ
ГОРНЫЙ КОЗЁЛ

Overview of selected protected areas and communities

Central Asian Mammals and Climate Adaptation (CAMCA) project



LEGEND

- Protected area
- Community

1 Ili-Balkhash Nature Reserve
Karao / Koktal / Zhideli

2 Zhongar Alatau National Park
Basshy / Koksu

3 Naryn State Reserve and 4 Khan-Tengiri Nature Park
Ak-Döbö / Ak-Shyirak / Barskoon / Darkhan / Dobulu / Engilchek / Jargylchak / Kun-Chygysh / Orgochor / Tamga

5 Yaghnob Natural Park
communities to be determined

6 Tigrovaya Balka Nature Reserve
Dobrovolcheskiy / Dusti / Fayzullobidin / Namuna / Tigrovaya Balka villages / Verkhniy Pyanj

Disclaimer: The boundaries and names shown and the designations used on this map do not imply official Indorsement or acceptance by the United Nations.

Sources:

Protected areas and communities: ACBK/ANCOT/CAMP Alatau/
CAMP Tabiat/Ilbirs Foundation/WWF Russia (2022)
Basemap: ESRI/GADM/Natural Earth/USGS

100 km

AFGHANISTAN

TAJIKISTAN

CHINA

KYRGYZSTAN

KAZAKHSTAN

UZBEKISTAN

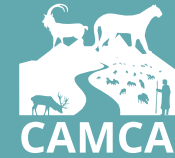
Indicators

Number of **policy/strategy** docs that integrate climate-smart conservation and EbA

local,
national and
regional level

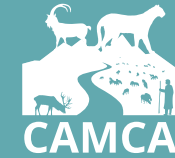
Advisory board

Process



1. Gathering data and analyse, distill recommendations for
 - Interventions
 - policy
2. Develop and implement tools to help implement interventions
3. Implement interventions/strategies
4. Enabling change
 - Financial (economic case study)
 - Policy recommendations
5. Communicate findings and recommendations

Output overview



Output I Knowledge

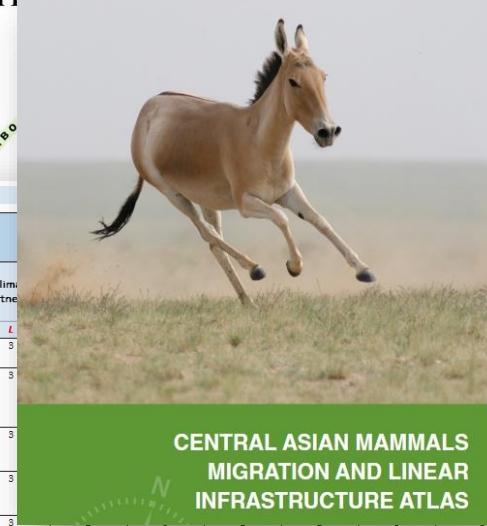
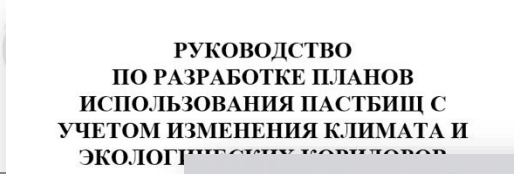


Output II Tools and Methods

THE CONSERVATION STANDARDS

To help conservation teams realize this vision, the *Conservation Standards* provide a set of best practices for the successful implementation of conservation projects,² oriented around a five-step management

Protected area name and location	
Habitat (ecosystem) types	For example, "Subalpine meadows," "Low Mountain deserts"
Expert team	
Variable	Score
Definitions	
1. Exposure to climate change threats	
Climate change related stresses and to what extent impact the ecosystem and will impact in the future	
1.1. Geographic location of protected area	
0 - PA is in the temperate climate zone (north of 41-42 °N, i.e. Ile-Balkhash Nature Reserve)	
1 - PA is in the dry subtropical plain zone (south of 41°N) or in the mountain foothill	
	(2.2. - 3.5)



CENTRAL ASIAN MAMMALS MIGRATION AND LINEAR INFRASTRUCTURE ATLAS

CAMCA Project: Integrating Climate Change	
Potential Interventions	
#	Intervention
1	Enhancing the capacity and qualifications of the staff at Khan-Tengri State Nature Park
2	Khan-Tengri State Natural Park. Construction of a bridge over the Kayindy River (improving pasture user access to 10,000 ha; reducing poaching through enhanced patrols)
3	Infrastructure Improvement. Insulation of three ranger stations at the Sary-Jaz, Kaindy, and Enilchek sites in the Khan-Tengri State Natural Park.
4	Stationary post at the Adyr-Tor site
5	Naryn State Nature Reserve: Stationary Karakolka area (A stationary guard post is one of the most effective and common methods of

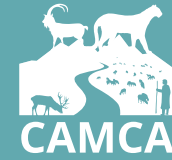
Ranking	Financial feasibility (3) with co-financing	Comment on co-financing	Sustainability of the impact (2)	Total rank	Total rank (for co-financing)
	S	T	U	V	W
1	0		2	43	34
2	3		1	41	41
3	0			28	28
4	0			20	20
5	0		1	35	26

ARGALI SHEEP

ASIATIC IBEX

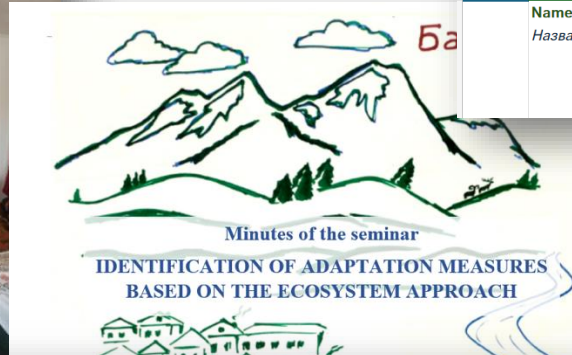
АРХАР БУХАРСКИЙ ОЛЕНЬ СНЕЖНЫЙ БАРС ТЯНЬ-ШАНСЬКИЙ МАРАЛ ТЯНЬ-ШАНСЬКИЙ БУРЫЙ МЕДВЕДЬ СИБИРСКИЙ ГОРНЫЙ КОЗЕЛ

Output overview



Output III Pilot interventions

Output IV Enabling change



National and regional landscape management plans in Kazakhstan, Kyrgyzstan and Tajikistan (including land use and connectivity)
 Планы управления ландшафтами в рамках стран: Казахстан, Кыргызстан и Таджикистан и на региональном уровне (включая землепользование)

Name of the Document (English) Название документа на английском	Title of the Document Название документа	UNEP/CMS/ARG/RS1/Doc.3 12 August 2024 Original: English	Entry points for CAMCA to contribute its results/ Возможность повлиять на этот план для АМИК в ЦА ?

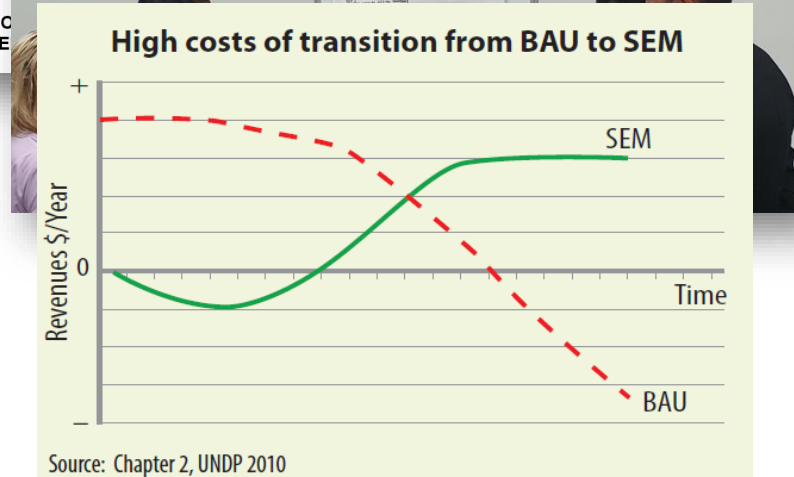
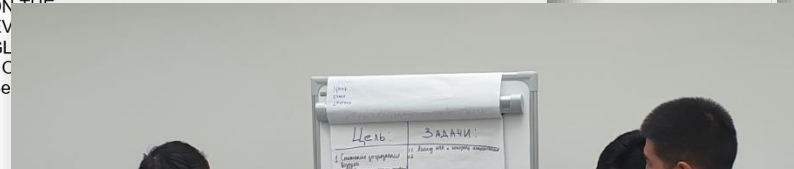


CONVENTION ON MIGRATORY SPECIES

UNEP/CMS/ARG/RS1/Doc.3
12 August 2024
Original: English

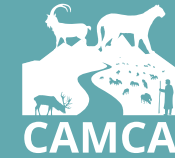
RANGE STATE MEETING ON THE IMPLEMENTATION AND REVIEW OF THE INTERNATIONAL SINGLE PLAN FOR THE CONSERVATION OF MIGRATORY SPECIES
 Almaty, Kazakhstan, 12-13 September 2024

ON THE IMPLEMENTATION AND REVIEW OF THE INTERNATIONAL SINGLE PLAN FOR THE CONSERVATION OF MIGRATORY SPECIES



CAMCA Project: Integrating Climate Change													
Potential Interventions		Intervention ranking											
#	Intervention	Climate smartness (3)	Threat severity	The threat reduction (1)	Conservation impact (2)	Technical feasibility (2)	Social feasibility (1)	Financial feasibility (3) within CAMCA	Financial feasibility (3) with co-financing	Comment on co-financing	Sustainability of the impact (2)	Total rank	Total rank (for co-financing)
	A	L	M	N	O	P	Q	R	S	T	U	V	W
1	Enhancing the capacity and qualifications of the staff at Khan-Teniri State Nature Park	3	2	3	3	3	3	3	0		2	43	34
2	Khan-Tengri State Natural Park: Construction of a bridge over the Kayindy River (improving pasture user access to 10,000 ha; reducing poaching through enhanced patrols)	3	2	3	3	3	3	3	3		1	41	41
3	Infrastructure improvement: Insulation of three ranger stations at the Sary-Jaz, Kaindy, and Enilichek sites in the Khan-Tengri State Natural Park.	3	2	3	3	2	3	0	0			28	28
4	Stationary post at the Adyi-Tor site	3	2	2	1	2	1	0	0			20	20
5	Naryn State Nature Reserve: Stationary Karakolka area (A stationary guard post is one of the most effective and common methods of	3	2	3	1	2	3	3	0		1	35	26

Output overview

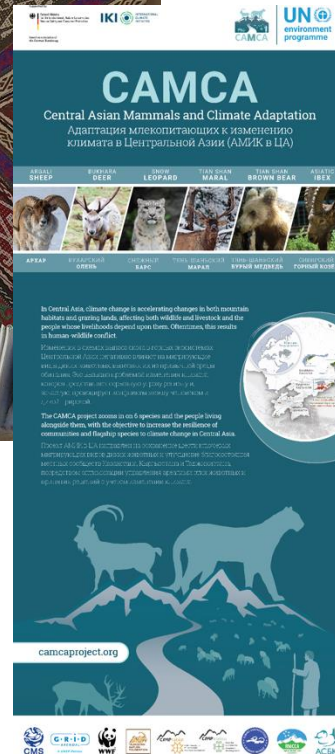


Output V Outreach and education



Output VI Interregional exchange

BAMCA





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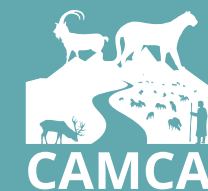


based on a decision of
the German Bundestag

<https://camcaproject.com>

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Output I: Gathering data and analyse, distill recommendations

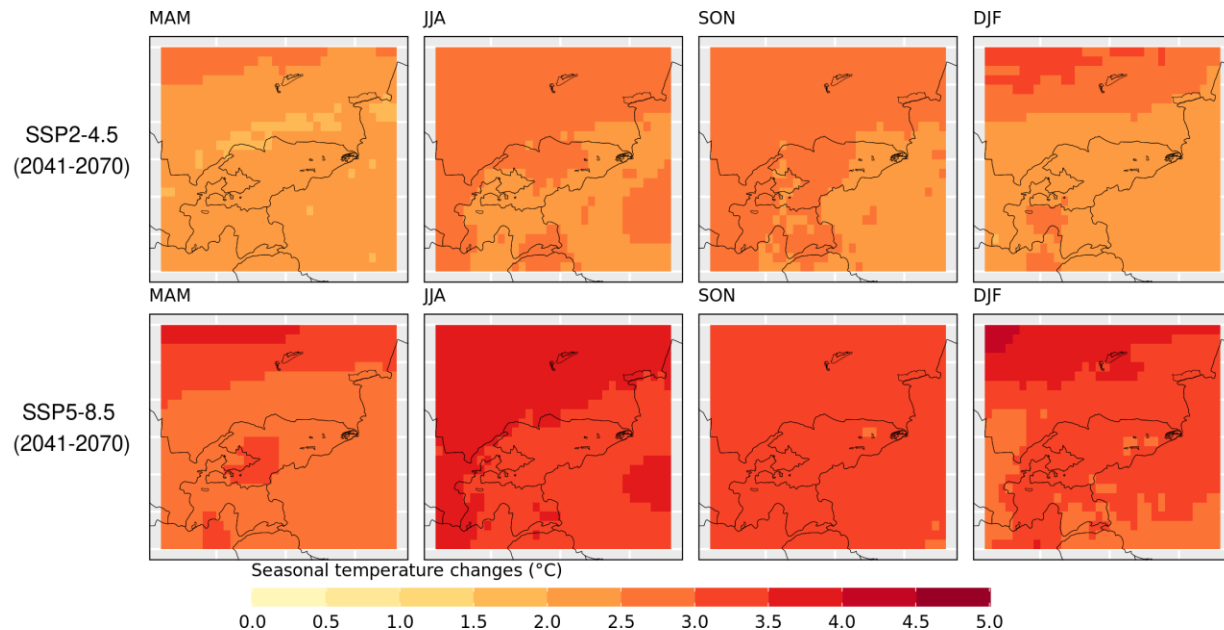


Project indicators

- # stakeholders aware of project and goals
- # stakeholders gaining access to the species vulnerability report

| Key results

- Climate change analysis
- Species vulnerability report
 - Species vulnerability assessment
 - Climate crowd
 - Intro and recommendations
- Situation models + recommendations
- Policy analysis
- Policy briefs
- CAMI atlas update



Output II: Tools and methods



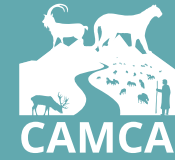
Project indicators

- # climate-change/hwc informed tools developed
- # local communities trained/capacity built in applying these tools

| Key results

- Field methods (e.g. maral survey)
- SVA tool
- Open Standards tool
- Protected Areas Vulnerability Assessment tool
- Pasture management tool
- PA mgmt. planning tool (tbd)
- Corridor establishment procedure
- IBEX?

Output III: Interventions/strategies



Project indicators

- # interventions tested
- # stakeholders attended workshops to train/implement pilot interventions

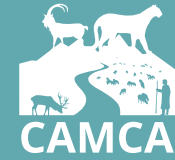
| Key results

Interventions/strategies arising from situation models:

- PA mgmt. plan
- Pasture mgmt. plans
- EbA measures
- ...

Including reports on their effectiveness

Output IV: Enabling change



Project indicators

- # economic case studies
- # regional conservation plans adapted
- # investment mobilization concepts

| Key results

- Targeted scenario analyses (1/country)
- Argali & Bukhara deer MoUs
- CAMI workplan
- Follow-up/upscaling project concept

Output V: Communications



Project indicators

- # comms products for local/national audiences
- # comms products for regional/international audiences
- # of people accessing comms products

| Key results

- 9 local/national level comms products (posters, information events, flyers, policy briefs, social media, maps, journalist training, ...)
- 9 regional/international comms products (roll-ups, website, social media, SVA report, maps, ...)
- 12,000 people accessed comms products