





VANISHING TREASURES

PROTECTING ENDANGERED MOUNTAIN SPECIES

CMS First Range State Meeting for the Persian Leopard

Tbilisi, Georgia, 20 – 22 September 2022



AT A GLANCE

DURATION: 2018 - 2022 (4 years) including inception phase





OVERALL PROJECT OUTCOME

Ecosystem-based adaptation to climate change and climate smart wildlife conservation integrated into planning and policy processes of developing countries with fragile mountain ecosystems based on successful pilot demonstration























Knowledge generation

Tools & Methods

Pilot interventions

Dialogue & strengthened capacities of communities

Policy uptake

Incentives for long-term investment



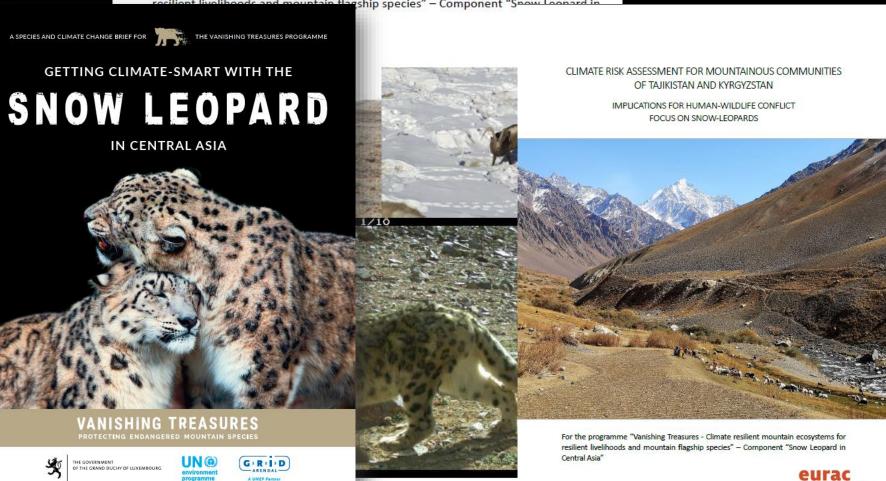


Central Asia

research

Desktop study on climate change, snow leopards, their prey and influence of human activities

For the programme "Vanishing Treasures - Climate resilient mountain ecosystems for resilient livelihoods and mountain flagship species" - Component "Spow Logger in





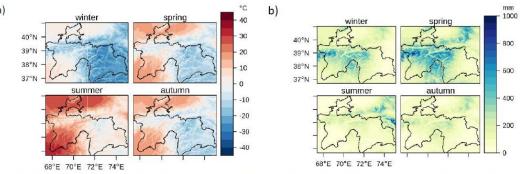
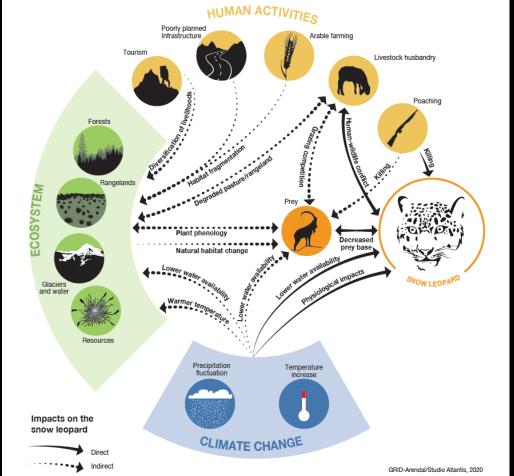
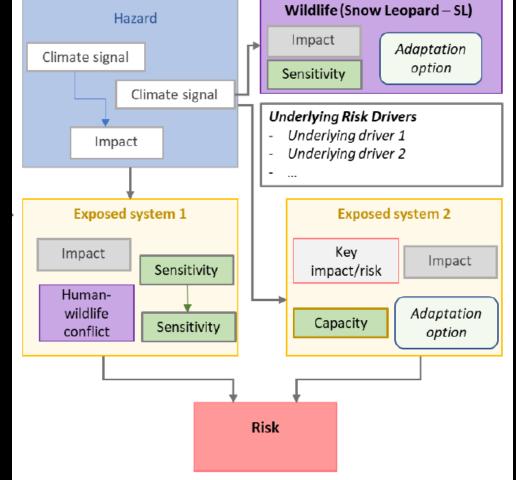


Figure 12: 1981-2010 seasonal climatologies of a) mean temperature and b) total precipitation for Tajikistan. The maps are based on the 1-km downscaled ERA5 reanalysis from CHELSA database.













Knowledge generation

Tools & Methods



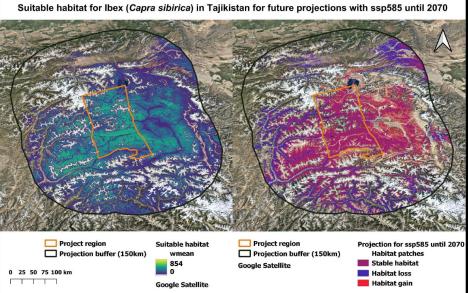




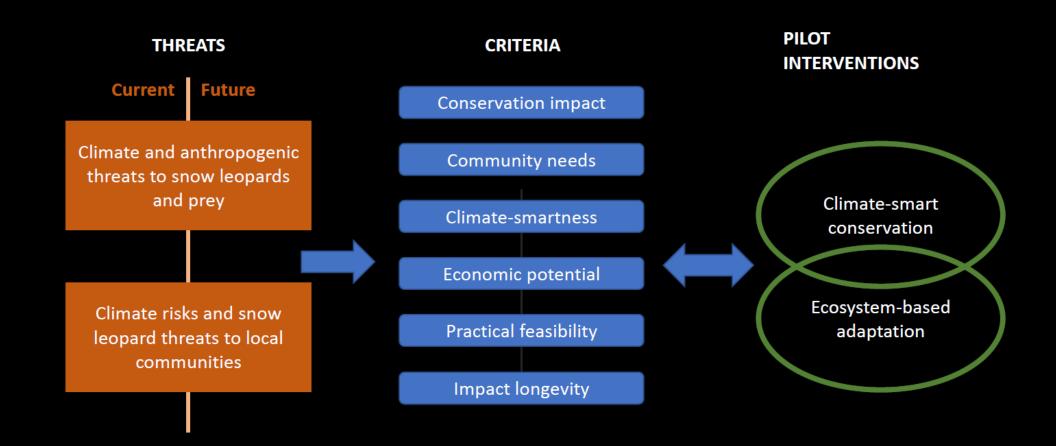
Table 5 Comprehensive Risk Assessment for Barchidev village Risk of loss of livelihoods (income, subsistence) for livestock owners in Barchidev village Future (2030-2050) **Current situation** Pasture degradation Lack of fodder Pasture degradation Lack of fodder (drought/low soil (drought/lack of (drought/soil moisture) (drought/lack of moisture) surface water) surface water) Hazard Moderate Moderate High High Moderate Exposure Moderate Moderate Moderate Vulnerability Moderate High Moderate High - Exposed systems Moderate Moderate - Community Risk Moderate High High High



Central Asia

Interventions

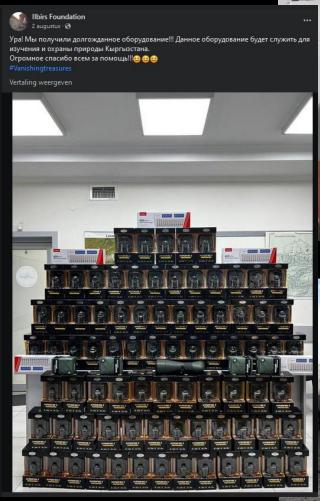


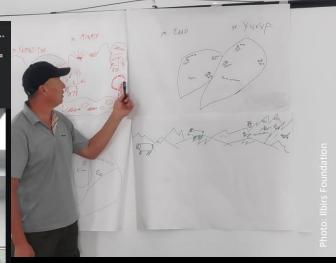




Climate-smart conservation

- Increased population monitoring efforts (+ equipment) throughout the Kyrgyz Alatoo range and Bartang basin in Tajikistan
- Establishment of new Community-based Conservancy across several neighbouring communities in Toktogul region, Kyrgyzstan
- Construction of predator-proof corral in Gudara, Tajikistan to avoid retaliatory killings of snow leopard











Ecosystem-based adaptation



- One Health: livestock vaccination/tagging funnels in two village districts in Kyrgyzstan
- Livelihood diversification (incl. equipment, training, mentoring, peerto-peer learning, market development) through
 - Beekeeping
 - Small scale fruit plantations. Some run by women's groups.
 - Eco-tourism development, tourse, homestays and a visitor center















Policy adoption

Central Asia



Local level:

Community-based conservancy in Toktogul

Landscape level:

Climate-smart landscape management plan for the Kyrgyz Alatoo range

National level:

Snow Leopard Conservation Action Plan revision in Tajikistan

Regional level:

 Inclusion of climate-smart conservation and EbA in the Global Snow Leopard and Ecosystem Protection program strategic documents (GSLEP)

Global level

 Integration of climate change and mountain biodiversity monitoring in Post-2020 framework

THANK YOU

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