

**THIRD RANGE STATE MEETING OF THE CMS
CENTRAL ASIAN MAMMALS INITIATIVE (CAMI)**

24 – 26 June 2025, Tashkent, Uzbekistan

UNEP/CMS/CAMI3/Outcome 1

**DRAFT WORK PROGRAMME FOR THE CENTRAL ASIAN MAMMALS INITIATIVE*
2026-2032**

Summary:

The Central Asian Mammals Initiative (CAMI), established under CMS Resolution 11.24 by COP11 along with its associated Programme of Work, provides a strategic framework for the conservation of migratory mammals in Central Asia. Activity 29.7 of the Programme of Work calls for its update and approval by CMS COP15.

The draft Work Programme of CAMI for 2026–2032 in this document was endorsed by the Range States at the Third Meeting of the CAMI Range States, which took place from 24 to 26 June 2025 in Tashkent, Uzbekistan, and will be submitted to CMS COP15 as part of amended Resolution 11.24 (Rev. COP15).

Disclaimer: The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of UNEP/CMS concerning the legal status of any State, territory, city or area, or of its authorities, or concerning the delimitation of their frontiers and boundaries.

DRAFT WORK PROGRAMME FOR THE CENTRAL ASIAN MAMMALS INITIATIVE 2026-2032

Background

1. Given the vast and overlapping ranges of many Central Asian mammals, as well as the similar threats to these species, the Work Programme incorporates a set of cross-cutting activities aimed at improving the conservation of multiple species. These include measures related to habitat connectivity, human-wildlife conflict and coexistence, sustainable use and trade, sustainable land-use practices, population (including health and disease) monitoring, anti-poaching, and community engagement. They are also aligned with current obligations of Range States under CITES, CMS, CBD and other relevant international treaties. The Work Programme aims to foster long-term conservation success by guiding the creation of up-to-date national policies coordinated between Range States to safeguard transboundary populations of CMS-listed species.
2. This Work Programme also makes reference to the following species-specific instruments, which have already been adopted by Range States and are part of CAMI:
 - Range-wide Strategy for the Conservation of the Persian Leopard (2023–2032);
 - Action Plan for the Conservation of the Argali (2024–2032);
 - Range-wide Action Plan for the Asiatic Wild Ass (2024–2033);
 - Work Programme for the Bukhara Deer (2025–2032); and
 - Medium-term International Work Programme for the Saiga Antelope (2025–2030).
3. The area-based activities of this Work Programme are grounded in geographical areas of high importance for the conservation of CAMI species, referred to as Priority Transboundary Conservation Regions (PTCR). For a map of these regions please see Figure 1 and Annex to the CAMI WP. PTCRs were defined based on the transboundary conservation hotspots identified in the CMS report, *Transboundary Conservation Hotspots for the Central Asian Mammals Initiative*. As a result, PTCRs for the period 2026–2032 were selected based on the following criteria:
 - their transboundary nature;
 - the importance of each PTCR for the conservation of the respective species and the total number of CAMI species occurring there;
 - alignment with Range State obligations under CMS and other Conventions;
 - existing priority areas for biodiversity conservation;
 - the need and urgency for implementing conservation action in each PTCR;
 - the requirements for implementation of CMS instruments and mandates, as well as other existing agreements and transboundary projects; and
 - the political feasibility of implementing transboundary cooperation to enhance conservation of the PTCR.
4. The PTCRs are organized by the number of CMS Parties and geographic clusters in the following order:
 - 1) Western and Southern Ustyurt
 - 2) Northern and Eastern Ustyurt
 - 3) Aralkum/North-Western Kyzylkum Desert
 - 4) Kopetdag

- 5) Koytendag/Kugitang
- 6) Western Tian Shan
- 7) Northern and Inner Tian Shan
- 8) Pamirs-Hindukush-Karakoram
- 9) Altai
- 10) Daurian Steppe
- 11) Gobi
- 12) Western Himalaya
- 13) Eastern Himalaya

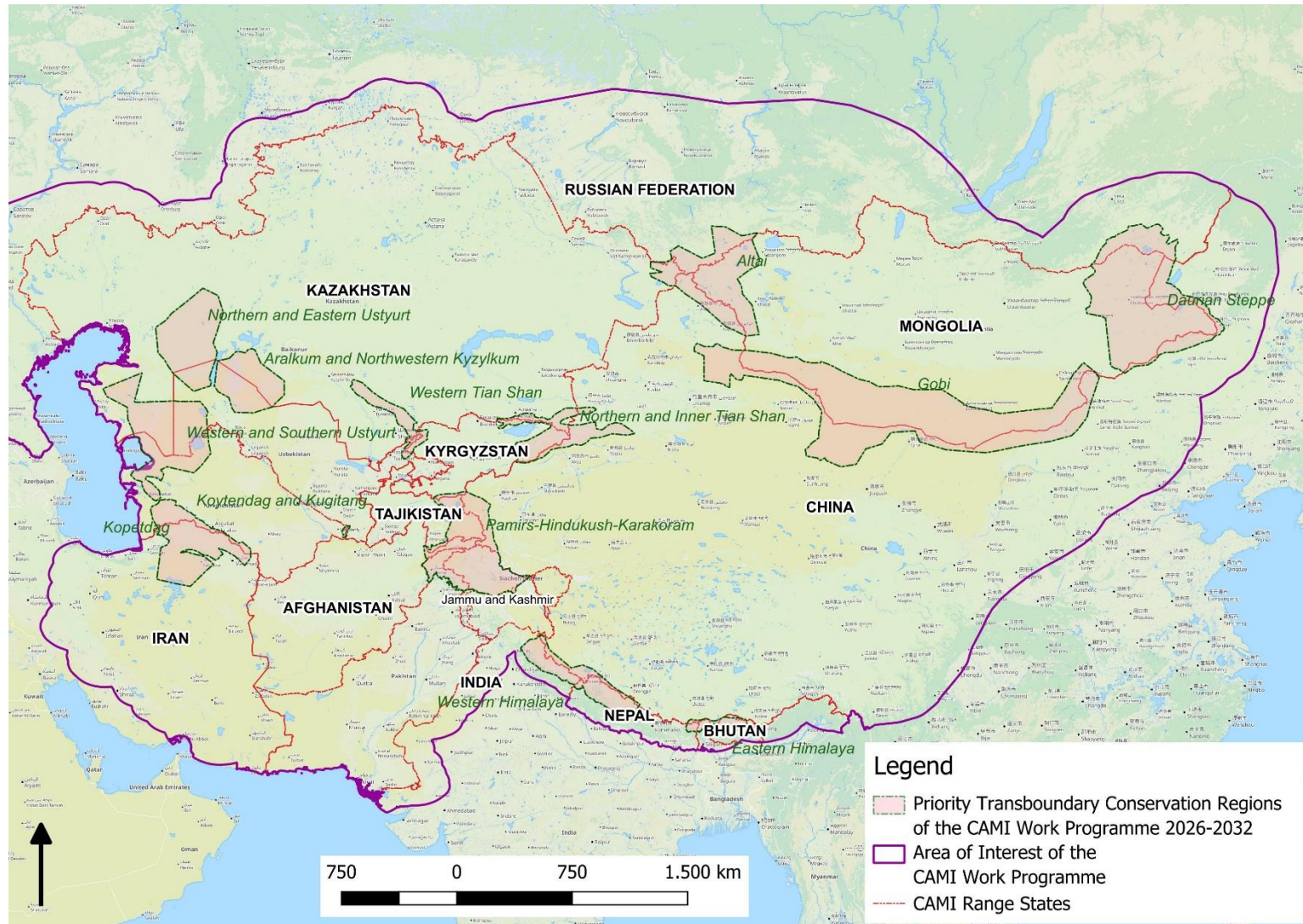


Figure 1. Priority Transboundary Conservation Regions (PTCRs)

Taxonomic and geographical scope:**Table 1. Species covered**

	Species (common name)	Species (scientific name)	CMS Appendix
1	Argali	<i>Ovis ammon</i>	App. II
2	Asiatic cheetah	<i>Acinonyx jubatus</i>	App. I
3	Asiatic wild ass	<i>Equus hemionus</i>	App. II
4	Bukhara deer	<i>Cervus elaphus yarkandensis</i>	App. I & II
5	Eurasian lynx	<i>Lynx lynx</i>	App. II
6	Gobi bear	<i>Ursus arctos isabellinus</i>	App. II
7	Goitered gazelle	<i>Gazella subgutturosa</i>	App. II
8	Kiang	<i>Equus kiang</i>	App. II
9	Mongolian gazelle	<i>Procapra gutturosa</i>	App. II
10	Pallas' cat	<i>Felis manul</i>	App. II
11	Persian leopard	<i>Panthera pardus tulliana</i>	App. II
12	Przewalski's horse	<i>Equus ferus przewalskii</i>	App. I
13	Saiga antelope	<i>Saiga spp.</i>	App. II
14	Snow leopard	<i>Uncia uncia</i>	App. I
15	Urial	<i>Ovis vignei</i>	App. II
16	Wild camel	<i>Camelus bactrianus</i>	App. I
17	Wild yak	<i>Bos grunniens</i>	App. I

The scientific names follow Mammal Species of the World, 3rd edition (Wilson & Reeder 2005), the standard taxonomic reference for mammals used by CMS. The names used do not consider nomenclatural changes made since 2005 and in several cases the species names differ from those currently used by the IUCN Red List of Threatened Species and other authorities. The species concerned are the snow leopard (*Panthera uncia*), wild camel (*Camelus ferus*), Przewalski's horse (*Equus ferus*), Pallas' cat (*Otocolobus manul*), saiga antelope (*Saiga tatarica tatarica* and *Saiga tatarica mongolica*) and Bukhara deer (*Cervus hanglu bactrianus*).

The following are considered Range States to CAMI: AFGHANISTAN, Bhutan, China, INDIA, the Islamic Republic of IRAN, KAZAKHSTAN, KYRGYZSTAN, MONGOLIA, Nepal, PAKISTAN, the Russian Federation, TAJIKISTAN, TURKMENISTAN and UZBEKISTAN (the names of CMS Parties are capitalized).

CAMI WORK PROGRAMME 2026–2032

Vision: Secured and functional populations of migratory mammals that range across the landscapes of the wider Central Asian region in healthy ecosystems, are valued by, and bring benefits to, all stakeholders and particularly the local communities that share their range.

Goal: To facilitate coordinated actions for the conservation of CMS-listed mammals and their habitats in the wider Central Asian region by strengthening cross-border cooperation to address illegal taking and trade, enhancing habitat connectivity, ensuring sustainable use of natural resources, and promoting the coexistence of wildlife and local communities.

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
Cross-cutting activities applicable to the conservation of all CAMI Species² across the identified Priority Transboundary Conservation Regions and to the species-specific instruments listed below					
Complementary CAMI instruments³:					
<u>Range-wide Strategy for the Conservation of the Persian Leopard (2023–2032)</u>					
<u>Action Plan for the Conservation of the Argali (2024–2032)</u>					
<u>Range-wide Action Plan for the Asiatic Wild Ass (2024–2033)</u>					
<u>Work Programme for the Bukhara Deer (2025–2032)</u>					
<u>Medium-term International Work Programme for the Saiga Antelope (2025–2030)</u>					
1. CAMI WP Implementation and Coordination					
1.1	CMS Secretariat to organize: a) a mid-term meeting in 2028/29 to assess the status of implementation of this WP, discuss successes and address challenges, and report to CMS COP16; b) the 4 th meeting of CAMI Range States in 2031/32 to assess implementation, discuss successes and address challenges, revise and submit a new WP to CMS COP17.	CMS Secretariat, GOs, scientific institutions, NGOs	Meetings held back-to-back with other appropriate meetings, where possible, in coordination with Global Snow Leopard and Ecosystem Program (GSLEP), Central Asian Flyway Initiative, Persian Leopard Working Group, Pallas’s Cat International	High	Kunming-Montreal Global Biodiversity Framework (GBF) Target 20, Samarkand Strategic Plan for Migratory Species (2024-2032) (SPMS) Goals 1 & 6

¹ Priority for implementing within 6 years: High (high importance and urgency for solving conservation issues affecting the animals and their habitat within 1-2 years); Medium (necessary for stabilization of population numbers within 3-5 years); Low (will contribute to conservation success, but is not urgently needed).

² Where CITES’ responsibility is indicated, it only relates to CITES-listed species.

³ Instruments listed at the beginning of each section have been developed within CAMI and complement the CAMI Work Programme.

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
			Conservation Alliance (PICA), Manul Working Group and others, as appropriate, to utilize possible synergies to enhance the implementation of the WP.		
1.2	Keep a record of implemented activities and submit National Reports on the implementation of the WP every 3 years, using the reporting forms provided by the CMS Secretariat.	GOs, scientific institutions, NGOs	Reports prepared utilizing the reporting forms distributed by the CMS Secretariat.	High	GBF Target 20, SPMS Goals 1 & 6
1.3	Establish Terms of Reference (ToRs) for cooperating organizations providing technical support to the implementation of the CAMI WP, as well as related Strategies and Action Plans, and publish them on the CAMI website.	CMS Secretariat	ToRs developed and published.	High	GBF Target 20, SPMS Goals 1 & 6
1.4	Nominate governmental Focal Points for each PTCR of this WP and technical support organization(s) covering all PTCRs.	GOs, scientific institutions, NGOs	Governmental Focal Points nominated, and technical support organizations identified.	High	GBF Target 20, SPMS Goals 1 & 6
1.5	Convene at least one meeting annually for CAMI Focal Points and CITES Management Authorities (MA) responsible for liaising with counterparts in other Range States and cooperating organizations to exchange information on the implementation of the WP, relevant CITES Decisions, and technical expertise on CAMI species conservation actions.	CAMI Focal Points, CITES MAs	Meeting participant list, summary of the type of information and relevant CITES Decisions exchanged, and nature of technical expertise provided.	High	GBF Target 20, SPMS Goals 1 & 6
1.6	Integrate relevant aspects of this WP into the joint work programme of the CITES-CMS Secretariats, at its renewal, to further align and strengthen joint activities on CAMI species and pursue collaborative funding opportunities.	CMS and CITES Secretariats	New CITES-CMS joint work programme 2026-2032 considering relevant activities from this WP.	High	GBF Target 20, SPMS Goals 1 & 6

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
1.7	Propose to CMS and CITES COPs, turning CAMI into a joint CMS-CITES Central Asian Mammals Initiative, following the example of the African Carnivores Initiative.	CMS and CITES Parties	Relevant proposal made to CITES and CMS COPs	Medium	GBF Target 20, SPMS Goals 1 & 6
1.8	Request non-Party Range States to nominate a Focal Point for CAMI, in cases where no CMS Focal Point is identified.	CMS Secretariat	Focal Points nominated	High	GBF Target 14, SPMS Goal 5
1.9	Conduct technical ecoregional workshops on components of the Work Programme (e.g. on community-based wildlife management) to produce guidance, as needed.	CMS Secretariat, GOs, NGOs	Three or more workshops held by 2032	Medium	GBF Targets 20 & 22 SPMS Goals 1 & 6
1.10	Establish cross-sectoral working groups at the national level, consisting of relevant government authorities and other stakeholders, meeting at least biennially, to coordinate the implementation of this Work Programme, building on existing mechanisms, where available.	GOs, scientific institutions, NGOs, CMS Secretariat (if needed)	Two or more annual meetings held, TOR agreed, and minutes published.	High	GBF Target 14, SPMS Goal 5, Recommendations of NBSAP Technical Guidance
1.11	Submit, in 2026, to the CBD Secretariat proposals on how to integrate relevant components from this Work Programme into the review of the CBD Protected Area Work Programme.	GOs, scientific institutions, NGOs, CMS Secretariat	Proposals submitted.	High	GBF Target 14, SPMS Goal 5, CBD Protected Area Work Programme
1.12	Contribute to the UNCCD Central Asia – Russia Interregional Group and its thematic commissions to facilitate cooperation between the UNCCD and CMS activities in the region.	GOs, CMS Secretariat	Information submitted.	High	GBF Target 14, SPMS Goal 5, UNCCD Central Asia – Russia Interregional Group
1.13	Contact the IUCN Regional Office for Eastern Europe and Central Asia with a request to consider receiving support under the CBD Technical and Scientific Cooperation Mechanism.	Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan	Range States requested support.	High	GBF Target 20, SPMS Goal 6
1.14	Nominate Species Focal Points (SPFs) for all CAMI species in accordance with the agreed TOR.	CMS Secretariat, GOs	SPFs nominated.	High	GBF Target 14, SPMS Goal 5
2. Funding and Finance					

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
2.1	Conduct natural capital valuations for each of the Priority Transboundary Conservation Regions (PTCRs) to demonstrate the value that they provide to a multitude of beneficiaries, by utilizing an ecosystem service assessment (ESA) framework to identify the linkages between the ecological asset (including CAMI species populations and habitats), the subsequent delivery of ecosystem services and the benefits provided to society, building on existing valuations, where available.	GOs, scientific institutions, NGOs, CMS Secretariat	Valuations produced.	High	GBF Target 14, SPMS Goal 5
2.2	Based on results of 2.1, use a systematic methodology to develop national financing strategies to identify suitable financial mechanisms to implement this Work Programme, including sustainable land use and relief, taking into consideration the CMS/BfN <i>Report on the Identification of Funding Options for the Implementation of the CAMI</i> .	GOs, NGOs, CMS Secretariat (if needed)	Financial strategies and solutions approved by stakeholders. Resources mobilized.	High	GBF Target 19, SPMS Goal 4
2.3	Conduct an online workshop for CAMI Range States, concerned stakeholders and NGOs to present the findings of the <i>Report on the Identification of Funding Options for the Implementation of the CAMI</i>	CMS Secretariat, GOs, NGOs	Online workshop	High	GBF Target 19, SPMS Goal 4
2.4	Provide in-depth training on conservation economics and finance, highlighting the financial solutions identified in the financing strategies (see Activity 2.2) to support conservation in the PTCRs.	NGOs, GOs	Training held, report prepared	High	GBF Target 20, SPMS Goal 4
2.5	Develop joint funding proposals and innovative financial mechanisms involving relevant Range States for the conservation of PTCRs identified in this WP and submit to relevant donors.	GOs, NGOs, in consultation with SFPs, CMS Secretariat (if needed)	New projects funded	High	GBF Target 19, SPMS Goal 4
3. Legislation					
3.1	Integrate relevant activities of the CAMI WP into appropriate national legislation/policies and National Biodiversity Strategies and Action Plans (NBSAPs), and report to the CMS Secretariat on this activity within one year of the WP's adoption.	GOs	CAMI WP integrated in relevant national legislation and NBSAPs and the report on this	High	GBF Target 23, SPMS Goal 5

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
			submitted to the CMS Secretariat.		
3.2	Join the CMS National Legislation Programme (NLP), if not already done so.	CMS Parties	At least three Parties submit NLP questionnaires to CMS Secretariat	High	GBF Target 14, SPMS Goal 5
3.3	Prepare an evaluation of potential benefits of listing CAMI species that are already listed on CMS Appendix II, also on Appendix I, and submit relevant proposals to CMS COP, where necessary.	GOs, NGOs, scientific institutions	Evaluation conducted, proposal submitted to COP16/COP17, where necessary	Medium	GBF Target 14, SPMS Goal 5
3.4	Submit cases of possible implementation matters affecting CAMI species listed on Appendix I to the CMS Secretariat through the CMS Review Mechanism, and include information about impacts of these activities on Appendix II species.	GOs, scientific institutes, NGOs	Cases submitted through Review Mechanism, if implementation issues arise.	High	GBF Target 14, SPMS Goal 5
3.5	Use the <i>IUCN Guidelines for Conserving Connectivity through Ecological Networks and Corridors</i> and examples from the region (e.g. developed within CAMCA project in Kyrgyzstan) to define ecological corridors and integrate such corridors into national legislation to implement appropriate measures to conserve CAMI species, building on experience in the region and beyond.	GOs, scientific institutes, NGOs	IUCN Guidelines used, methodology for defining eco-corridors established and legislation on eco-corridors developed in all CAMI Range States	High	GBF Targets 2 & 14, SPMS Goal 5
3.6	Prevent barriers to migration, where possible, through: a) integrating the <i>Guidelines on Mitigating the Impact of Linear Infrastructure and Related Disturbance on Mammals in Central Asia</i> into national legislation, if needed, in particular by requiring a rigorous EIA process before the granting of construction permission and the use of the Mitigation Hierarchy in line with internationally recognized standards IFC1 and IFC6; b) requiring impact assessment procedures for projects affecting CAMI species to include consultations with the CMS Secretariat and CAMI Species Focal Points, and to take into account recommendations of the <i>Central Asian</i>	GO, NGOs, scientific institutions	Legislation with clear instructions for impact assessment of planned projects falling within CAMI species range to use the tools mentioned and consult with CMS Secretariat.	High	GBF Target 14, SPMS Goal 5

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
	<p><i>Mammals Migration and Linear Infrastructure Atlas</i>, if needed;</p> <p>c) requiring impact assessments for planned fences, e.g. along roads and railroads.</p>				
3.7	<p>Adopt and implement national legislation in accordance with Articles III.5 and V.1 of CMS, to enhance measures to address illegal take of CAMI species, in particular:</p> <p>a) strengthen enforcement measures and penalties proportional to the incident and type of actors involved to deter illegal hunting, possession, use and trade of CAMI species;</p> <p>b) introduce incentives (financial and non-) for rangers, border guards and civil society for reporting incidents of illegal take, possession and trade;</p> <p>c) invest proceeds from fines in conservation;</p> <p>d) grant enforcement powers to community rangers; and</p> <p>e) strictly monitor and control online platforms promoting illegal wildlife trade.</p>	GOs, NGOs, IGOs	Updated legislation, guidelines, roadmap	High	GBF Target 5, SPMS Goal 5
3.8	<p>In cases of abundant populations of CMS Appendix II-listed species and in accordance with CMS Article V.1, consider preparing national management plans for the species in a transparent way, involving all relevant stakeholders and ensuring benefits to local communities from any sustainable use of the species.</p>	GOs, scientific institutions, NGOs	<p>Conservation and management plans developed for abundant populations of Appendix II species, in accordance with <u>Resolution 14.17 <i>Community Participation and Livelihoods</i></u> and using recommendations of the study <u><i>Potential for Community-based Wildlife Management in Central Asia</i></u>, where relevant.</p>	High	GBF Target 5, 9, SPMS Goals 1 and 3
3.9	<p>To support implementation of CMS Article V.1, establish robust and clear procedures for scientifically set quotas for sustainable taking of migratory species, as per national</p>	GOs, scientific institutions	Sustainable quota setting decrees for CAMI	High	GBF Target 9, SPMS Goal 1

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
	legislation, that address risks of compounded harvesting pressure, ensuring that transboundary populations of CAMI species are not overexploited by different countries due to lack of coordinated assessment/decision-making.		species that can be sustainably used'.		
3.10	In countries where national Red Books are being used, bring species assessment procedures for national Red Books in line with the <i>Guidelines for Using the IUCN Red List Categories and Criteria</i> at the national level.	GOs, scientific institutions, NGOs	Manual/guide	Medium	GBF Target 4, SPMS Goal 1
3.11	In cases of Appendix II-listed species, as per national legislation, allow limited (in time and quantities) extractive use of selected National Red Book-listed species if it can be shown in a scientifically robust way that this will contribute to the conservation of the species, as well as towards GBF Targets 4, 5 and 9.	GOs, scientific institutions, NGOs	Legislation/quota decree	Medium	GBF Target 4,5,9, SPMS Goal 3
3.12	Develop and promote policies, regulations and tools, and build capacity of decision makers and planners for sustainable rangeland management that enables the coexistence of people, livestock and wildlife.	GOs, scientific institutions, NGOs	Number of national policies, regulations and tools.	High	GBF Target 4,20, SPMS Goal 4
3.13	Develop and enact legislation to allow for the management of protected and conserved areas (including hunting areas) by private and/or community-based organizations, as per national priorities, where it does not exist.	GOs, scientific institutions, NGOs	Legislation proposed	Medium	GBF Target 22, SPMS Goal 3
4. Transboundary Cooperation					
4.1	Support CAMI Range States in their efforts to enter into bilateral/multilateral agreements to strengthen conservation of specific PTCR.	CMS Secretariat, GOs, NGOs, IGOs, GSLEP	Agreements, Memoranda of Understanding Work Programmes to support MOU implementation developed and implementation initiated.	High	GBF Target 12, SPMS Goal 5
4.2	Establish inter-agency working groups involving both border security and nature protection agencies and other stakeholders for regular inter-agency cooperation and information exchange on conservation issues at the national	GOs, NGOs, IGOs, local authorities	Working groups established and operational for conservation of PTCRs.	Medium	GBF Target 12, 20, SPMS Goal 5, <u>Ashgabat communique</u> ; Recommendations

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
	and transboundary levels to enhance transboundary conservation of natural ecosystems and migratory species.				of technical guidance for NBSAPs
4.3	Leverage existing awareness-raising programmes to develop and deliver wildlife conservation training for border and customs officials in national languages, clarifying their role and authority with regard to wildlife conservation, and, where possible, collaborate with national and international organizations and development partners.	CMS Secretariat, GOs, NGOs, IGOs, CITES Parties	Training materials produced and used in trainings conducted for at least three PTCRs.	High	GBF Target 20, SPMS Goal 4, Ashgabat Communiqué ,
4.4	Support recognition of selected border areas as Other Effective area-based Conservation Measures (OECMs).	GOs, NGOs, IGOs	At least two border areas in PTCRs recognized as OECM by national governments and monitoring programmes are set up; Task forces established for at least 2 PTCRs; Inter-agency information exchange takes place through calls and meetings.	High	GBF Target 3, SPMS Goal 2, Ashgabat Communiqué
4.5	Update the report <i>Transboundary conservation hotspots for the Central Asian Mammals Initiative</i> by 2028 by including species listed by CMS COP14 and, if relevant, by CMS COP15, and add spatially explicit mapping of challenges and opportunities, submit it to CAMI Range States and the CMS Standing Committee for their endorsement. Once endorsed, reflect relevant changes in the activities for specific PTCRs in this WP.	CMS Secretariat, GOs, NGOs	Updated report published in 2028. If necessary, updated CAMI WP which includes new species and activities for them.	Medium	GBF Target 20, SPMS Goal 4
5. Ecological Connectivity					
5.1	Monitor plans for infrastructure development that are likely to impact CMS-listed species on a frequent basis (every 6 months) and consider seeking guidance from the CMS Secretariat prior to the approval process, if needed.	CMS Parties and CAMI Range State Focal Points, NGOs	Information submitted to CMS Secretariat before the project is approved	High	GBF Target 20, 23 SPMS Goals 2 & 4

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
5.2	Conduct online meetings to facilitate discussion of the issues reported in 5.1 and identify solutions involving infrastructure developers and planners, the CMS Global Partnership on Ecological Connectivity, CAMI Species Focal Points (SPFs) and National Focal Points (NFPs) of CAMI Range States.	CMS Secretariat, SFPs, NFPs, other relevant GOs, NGOs, scientific institutions	At least one online meeting conducted, protocols produced.	High	GBF Target 20, 23 SPMS Goals 2 & 4
5.3	Compile available information, in cooperation with partners, on mitigation solutions to address impacts of infrastructure on CMS-listed species, taking into account species-specific requirements, landscapes and types of barriers in the CAMI region, and lessons learned; and identify those species that need further analysis/research.	CMS Secretariat, GOs, NGOs, scientific institutions	Report outlining available mitigation measures for various types of linear infrastructure and species, their effectiveness and lessons learned, and species and solutions requiring further research.	High	GBF Targets 2, 20 & 23, SPMS Goals 2 & 4
5.4	Explore options to integrate the CAMI Atlas into the Integrated Biodiversity Assessment Tool (IBAT) and national mapping systems and portals (e.g. Tabigat in Kazakhstan)	CMS Secretariat, NGOs, GOs	CAMI Atlas integrated into IBAT and other systems	Medium	GBF Target 20, SPMS Goal 4
5.5	Conduct capacity-building workshops on mitigation of impacts of infrastructure, incorporating available CMS and other tools, such as atlases and guidelines.	CMS Secretariat, GO, NGOs, scientific institutions	At least one workshop is conducted for the region bringing together relevant actors, including infrastructure planners and funders.	High	GBF Target 20 & 23, SPMS Goals 2 & 4
5.6	Plan and create Protected Areas, OECMs and eco-corridors to ensure ecological connectivity for CAMI species and to facilitate conservation of larger areas and networks of their habitat (see Activity 6.2).	GOs, NGOs, scientific institutions	Number of protected areas enlarged, OECMs and ecological corridors between protected areas established.	High	GBF Target 2, 3, SPMS Goal 2
5.7	Identify and implement suitable measures to mitigate the negative effects of border structures on the movement of CAMI species, where feasible.	GOs, NGOs, scientific institutions	Report on such measures in the frame of national reporting on CAMI and CMS implementation.	High	GBF Target 2, 3, SPMS Goal 2

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
5.8	Update the <i>Central Asian Mammals Migration and Linear Infrastructure Atlas</i> by 2032 including new information on changes in infrastructure and on species distribution, if possible, aligning with IUCN Red List mapping standards and processes in cooperation with the Global Initiative on Ungulate Migration (GIUM) and utilizing data obtained by international and national researchers. (Include outcome of Activity 10.8.)	CMS Secretariat, GOs, scientific institutions, NGOs	Atlas updated by 2032	Medium	GBF Target 1, 2, SPMS Goal 2
6. Protected and Conserved Areas					
6.1	Apply IUCN's various guidelines to promote good practices relating to identifying, reporting, monitoring and strengthening OECMs in support of GBF Target 3.	CMS Secretariat, NGOs, GOs, IUCN World Commission on Protected Areas (WCPA)	Workshop on OECMs	High	GBF Target 3, SPMS Goal 2
6.2	Support CAMI Range States in efforts to achieve the GBF Target 3 30 x 30 goal and ensure that the protected and conserved area network is relevant for the current range and movements of CAMI species, and align the conservation systems in these territories with the conservation needs of CAMI species.	GOs, NGOs, IUCN WCPA	Meetings/communication, progress reported to CBD and CMS Secretariats. IUCN Green List	High	GBF Target 3; SPMS Goal 2, Decision No. 11, Council of Heads of State of the Shanghai Cooperation Organization (4 July 2024)
6.3	Assess the extent to which the management plans of protected and conserved areas integrate climate change considerations, including adaptation measures (e.g. protecting water sources for wildlife, expanding protected and conserved areas) and the extent to which they are implemented	GOs, NGOs, scientific institutions	Report on identified climate change-related challenges and measures implemented produced.	Medium	GBF Target 3, SPMS Goal 2
7. Illegal Hunting, Possession and Trade					
7.1	In collaboration with CMS' Global Initiative on Illegal and Unsustainable Take of Species, identify priorities for increasing capacity of Parties for monitoring and	CMS Secretariat, CITES Secretariat, GOs, scientific institutions, NGOs	Report and recommendations by 2027.	High	GBF Targets 4, 5, 9, 20, SPMS Goal 3, 4

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
	enforcement of national legislation and regulations and other measures pertaining to the illegal taking of CAMI species.				
7.2	Improve working conditions, including occupational safety and health (OSH), and social security of inspectors and other relevant officers of nature protection agencies.	GOs, scientific institutions, NGOs, IGOs	Increased satisfaction with wages, prestige, social security indicated through the results of an anonymous survey.	High	GBF Targets 4, 5, 9, 20, SPMS Goals 3, 4
7.3	Provide training and equipment to inspectors and other relevant officers of nature protection agencies to increase their capacity for combatting illegal hunting, possession, use and trade (including online) of CAMI species, and scale up the use of Spatial Monitoring and Reporting Tool (SMART).	GOs, scientific institutions, NGOs, IGOs	Improved equipment of rangers, including computers, mobile phones and SMART.	High	GBF Targets 4, 5, 9, 20, SPMS Goals 3, 4
7.4	Monitor and measure anti-poaching efforts and impacts through SMART and use these analyses to inform improved anti-poaching strategies.	GOs, scientific institutions, NGOs	SMART reports.	High	GBF Targets 4, 5, 9, SPMS Goal 3
7.5	Conduct regular surveys to understand the level and drivers of wildlife poaching, using scientifically sound methods to develop effective anti-poaching strategies. Standardize and share survey formats whenever possible.	GOs, scientific institutions, NGOs	Availability of survey reports and anti-poaching strategies for each Range State.	Medium	GBF Targets 4, 5, 9, SPMS Goal 3
7.6	Establish centralized national databases and related procedures on poaching cases and illegal trade to allow for an estimation of the impact on populations of CAMI species.	GOs, scientific institutions, NGOs	Databases and procedures established.	Medium	GBF Target 4, 5, 9, SPMS Goal 3
7.7	Develop and distribute information materials about wildlife products and provide training to border guards, customs officers and police to strengthen their capacity in detecting illegal wildlife trade.	NGOs, GOs, UNODC, scientific institutions	Number of trainings; materials available in all Range States.	High	GBF Targets 4, 5, 9, 20, SPMS Goal 3, 4
7.8	Encourage the deployment of sufficient numbers of wildlife detection dogs and DNA toolkits, enabling customs officers, border guards, and police to effectively identify and intercept trade in wildlife products and derivatives.	GOs, scientific institutions, NGOs	Number of dogs deployed, and DNA toolkits used at border / customs posts across Range States.	High	GBF Targets 4, 5, 9, SPMS Goal 3
7.9	Develop and implement whistle blower policies / mechanisms to ensure the safety of informants who provide	GOs	Policies and mechanisms implemented.	Medium	GBF Targets 4, 5, 9, SPMS Goal 3

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
	information about violations of wildlife legislation (e.g., poaching incidents, illegal trade).				
7.10	Create a collection of reference samples from derivatives of CAMI and other wildlife species for the purpose of training and capacity-building.	GOs, scientific institutions, CITES Secretariat	Collection established and used.	High	GBF Target 4, SPMS Goal 3
7.11	Exchange collections of derivatives of CAMI species between the Range States, as per CITES regulations to improve capacity for correct identification.	GOs, scientific institutions, CITES Secretariat	Collections exchanged between scientific institutions	High	GBF Target 4, SPMS Goal 3
7.12	Inform artisans and businesses so that they can recognize illegally harvested derivatives of wildlife and refrain from producing traditional crafts using them.	GOs, scientific institutions, NGOs	Reduction in use of illegal items.	High	GBF Target 4, SPMS Goal 3
7.13	Develop a coordinated response plan to tackle online wildlife trade, including training of enforcement units, improved detection mechanisms, strengthened legal enforcement, and inter-agency data sharing.	GOs, scientific institutions, Interpol, UNODC, NGOs	Plan developed and implemented.	High	GBF Target 4, SPMS Goal 3
8. Land use and Human-wildlife Conflict and Coexistence					
8.1	Build the capacity and increase the awareness of decision-makers and local communities in applying the <i>IUCN SSC Guidelines on Human-wildlife Conflict and Coexistence</i> , and the recommendations of the CMS report, <i>Potential for Community-based Wildlife Management in Central Asia</i> .	CMS, NGOs, GOs, IUCN SSC Human-Wildlife Conflict and Coexistence (HWCC) SG, Sustainable Use and Livelihoods (SuLi) SG	At least one workshop organized by 2027.	High	GBF Targets 4, 20 & 22 SPMS Goal 4
8.2	Strengthen the involvement of different stakeholders, including local communities, in the conservation and management of CAMI species through behaviour change awareness campaigns.	GOs, scientific institutions, NGOs	Increased number of stakeholders involved in conservation.	High	GBF Target 4, SPMS Goal 3
8.3	Conduct workshops for biodiversity-inclusive, landscape-scale land-use planning, involving relevant stakeholders across agencies and sectors and including local	GOs, NGOs, scientific institutions	At least one planning workshop conducted in each country.	High	GBF Target 1, SPMS Goal 1, Regional Strategy for Drought

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
	communities, to take into consideration priority habitats for CAMI species supporting sustainable pasture use.				Management and Mitigation in Central Asia for 2021-2030; Regional Environmental Programme for Sustainable Development of Central Asia (REP4SD CA) for 2020-2030
8.4	Share experiences between specialists and practitioners from the CAMI region and other countries on managing wildlife and human-wildlife conflict between local communities and migratory species.	CMS, GOs, NGOs, IUCN SSC	Exchange visits organized for decision-makers and practitioners.	High	GBF Targets 5, 22, SPMS Goal 3
8.5	Conduct pilot studies through participatory processes with the land users concerned to investigate the potential effectiveness and sustainability of financial and non-financial incentives to coexist with wildlife and reduce retaliatory / preventive wildlife destruction.	NGOs, GOs, scientific institutions, IUCN SSC	Report published, scientific publications	High	GBF Targets 4, 5, SPMS Goals 1 & 3
8.6	Conduct assessments of the level of impacts caused by CAMI species on land users and clearly indicate the levels of uncertainty and variability surrounding these estimates.	Scientific institutions, NGOs, IUCN SSC	Report published, scientific publications	High	GBF Targets 5, 21, SPMS Goal 3
8.7	Investigate potential mechanisms to avoid or reduce negative impact on domestic animals, crops, beehives, hayfields, pastures and other properties caused by CAMI species.	GOs, NGOs, scientific institutions, IUCN SSC	Report published, scientific publications	High	GBF Targets 4, 21, SPMS Goal 3
8.8	Assess the impact of livestock farming on CAMI species and, if necessary, implement measures to conserve and support expanding CAMI species within their habitat.	GOs, NGOs, scientific institutions	Assessment completed. Guidelines on minimizing negative impacts on CAMI species developed.	High	GBF Target 4, SPMS Goal 3

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
8.9	Monitor attitudes of local people towards conservation activities and their willingness to coexist with CAMI species using local-level social research, including participatory community monitoring, and adjust management plans accordingly.	NGOs, scientific institutions, IUCN SSC	Social research reports and publications	Medium	GBF Target 22, SPMS Goal 3
8.10	Where water is a main source of conflict, assess the availability of water and grazing grounds for CAMI species and develop, as necessary and scientifically justified, measures to improve their conservation, including safeguarding of water points, artificial and natural, and livestock exclusion zones.	GOs, NGOs, scientific institutions	Assessment reports and recommendations, review of scientific publications.	High	GBF Target 4, SPMS Goal 1
8.11	Support and expand incentive-based and conservation-linked livelihood-improvement projects and develop new programmes in all appropriate parts of the CAMI range.	NGOs, GOs	Livelihood improvement projects (e.g. improving local schools, infrastructure) linked to conservation of CAMI species in place.	High	GBF Targets 21, 22, SPMS Goal 3
8.12	Conduct feasibility assessments for developing community-based wildlife-related tourism offers taking into account Resolution 14.17 <i>Community Participation and Livelihoods</i> , the recommendations of the study <i>Potential for Community-based Wildlife Management in Central Asia</i> , national financing strategies (Activity 2.2), where relevant, and other guidance.	NGOs, scientific institutions, GOs	Assessments available	Medium	GBF Target 22, SPMS Goal 3 Decision No. 11, Council of Heads of State of the Shanghai Cooperation Organization (4 July 2024),
8.13	Pending the outcome of Activity 8.12, develop and implement funding programmes to support the creation of community-based wildlife tourism offers in the CAMI Range States through initial investment portfolios, promotion, capacity-building and pledged returns of tourism revenues as conservation investments.	GOs, NGOs	Funding programmes in place in at least three countries.	Medium	GBF Targets 22 & 20, SPMS Goal 4
8.14	Establish or improve control regimes for feral, free-ranging and shepherd dogs.	GO, NGOs, scientific	Reduction of population of free-ranging dogs.	Medium	GBF Target 4, SPMS Goal 3

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
		institutions, local communities			
9. One Health					
9.1	Integrate the One Health approach into national and regional legislation and policy frameworks.	GOs, NGOs, health organizations	Number of legislation and policy frameworks with integrated One Health approach.	High	GBF Targets 5, 23, SPMS Goal 3
9.2	Adopt or update standard operating procedures for rapid responses to disease outbreaks in wildlife and establish and/or support rapid response teams and build their capacity to document, examine and sample carcasses of wildlife.	GOs, NGOs, scientific institutions	Rapid response teams established, and their capacity built.	High	GBF Targets 4, 5 and 20; SPMS Goals 1 & 3
9.3	Use existing platforms, such as the World Animal Health Information System (WAHIS), WHO's One Health Initiative, and UNEP/CMS Working Group on Migratory Species and Health, and establish transboundary contact groups on wildlife disease to enable timely cross-border information exchange on disease outbreaks and coordinated actions.	GOs, NGOs, scientific institutions	Existing platforms used, relevant contact groups established by the end of 2029.	High	GBF Targets 4, 5, 20; SPMS Goals 1 & 3
9.4	Develop and enforce national vaccination regulations and support relevant local institutions for targeted vaccination of livestock and herder dogs against infectious diseases/hybridization where they are sharing the same landscape with CAMI species.	GOs, NGOs, scientific institutions, private sector	Vaccination regulations developed and enforced. Percentage of vaccinated livestock by the end of 2032.	High	GBF Target 4, 5, SPMS Goal 1
9.5	Identify and map important wildlife water points and explore solutions to separate their use between wildlife and livestock, taking into account projected changes in water availability due to climate change.	GOs, scientific institutions, NGOs, local communities	Maps of important wildlife water points. Analysis of solutions to separate water points between wildlife and livestock available. A workshop on the solutions to separate wildlife and livestock at water points.	High	GBF Target 4, SPMS Goal 1

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
9.6	Strengthen surveillance for emergence or re-emergence of diseases and potential impacts of drugs used for veterinary purposes, and chemicals (e.g. at water points) through harmonized monitoring and sampling of livestock and wildlife populations (<i>Resolution 11.15, Preventing Poisoning of Migratory Birds</i>) with particular focus on disease risk associated with cross-border movements of livestock, their products and derivatives.	GOs, NGOs, scientific institutions	Surveillance reports and harmonized protocols	High	GBF Target 4, SPMS Goal 1
10. Species Monitoring and Research					
10.1	Collect data on movements and migrations of CAMI species using appropriate technology (including genetic analysis, camera trapping, satellite tracking, remote sensing, and modelling of species distribution and connectivity), with a particular focus on improving the understanding of impacts of infrastructure developments, climate change, and environmental and land use change.	GOs, NGOs, scientific institutions	Data collected	High	GBF Target 19, SPMS Goal 4
10.2	Store data obtained from Activity 10.1 in appropriate databases and use them to inform decision-making, aiming to maintain connectivity of wildlife habitat and their migratory behaviour and to update the Central Asian Mammals Migration and Linear Infrastructure Atlas.	GOs, NGOs, scientific institutions	Relevant databases established and used by implementers of Activity 5.8.	High	GBF Target 19, SPMS Goal 4
10.3	Conduct meetings between specialists and conservation authorities from Range States to standardize methodologies and reporting formats; coordinate survey designs, timing and locations, to be applied for monitoring species and ecosystems, using specific tools such as SMART, and establish the necessary systems to apply these methodologies at local, national and transboundary levels.	GOs, NGOs, scientific organizations	Systems established, standards harmonized, data shared and applied.	High	GBF Target 17 and 20, SPMS Goal 4
10.4	Regularly assess the population sizes, distribution and, where feasible, reproduction and sex ratios of CAMI species, using the methodologies and guidelines outlined in Activity 10.3 or other best available scientific approaches.	GOs, NGOs, scientific institutions	Population data reports and publications (e.g., scientific publications) available	High	GBF Target 4, SPMS Goal 5

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
10.5	Using results of 10.4, obtain reliable and comparable estimates to track population trends and inform conservation efforts and, where applicable, management policies.	GOs, NGOs, scientific institutions	Assessments used to inform conservation and management policies	High	GBF Target 4, SPMS Goal 5
10.6	Train relevant agencies, rangers, border guards (where applicable), and staff of scientific institutions in the use of standardized guidelines / manuals for monitoring transboundary populations, as necessary.	GOs, NGOs, IUCN SSC, scientific institutions	Guidelines / manuals available and training reports	High	GBF Target 20, SPMS Goals 4 & 5
10.7	Identify and use suitable existing data-sharing platforms and potential partners to store and exchange data on CAMI species.	GOs, NGOs, IUCN SSC, scientific institutions	Data-sharing agreements and databases in place.	High	GBF Target 20, SPMS Goal 4
10.8	Establish groups of experts to implement 10.6 and 10.7 and other relevant activities from section 10, and secure resources for their implementation.	GOs, NGOs, scientific institutions, CMS Secretariat	Groups of experts established	High	GBF Target 20, SPMS Goal 4
10.9	Facilitate exchange of information, data, reports and experience between actors at different levels across the Range States and encourage joint data analysis.	GOs, NGOs, scientific institutions, group of experts from 10.8	Meetings, webinars held to support information exchange within PTCR, establish information exchange mechanisms and produce joint publications	High	GBF Targets 17, 19, 20, SPMS Goal 4
10.10	Update outdated IUCN Red List assessments for CAMI species, e.g., wild camel, goitered gazelle.	NGOs, scientific institutions	Updated IUCN Red List assessments for CAMI species	High	GBF Target 4, SPMS Goal 1, IUCN Red List Assessments
10.11	Conduct range-wide species climate vulnerability assessments based on climate change predictions and the collected habitat and species occurrence information, and consider the outcomes in conservation planning.	GOs, NGOs, scientific institutions, group of experts from 10.8	Species vulnerability assessments conducted, published and posted on CMS website and used in conservation planning by relevant stakeholders	Medium	GBF Targets 1, 2 and 4, SPMS Goals 1, 2 & 3
11. Education, Community and Communication					

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
11.1	Raise awareness on threats affecting CAMI species and necessary behavioural change as well as planned or existing conservation measures among relevant sectors, including decision makers, local communities and the general public, in a coordinated manner between Range States of PTCRs.	GOs, NGOs, scientific institutions.	Number of awareness-raising activities at national and international levels.	High	GBF Target 1, SPMS Goal 3
11.2	Continue to develop, update and widely implement a range of educational activities and materials on wildlife ecology and conservation for children in CAMI Range States.	GOs, NGOs, scientific institutions, local communities	Educational activities and materials available and distributed.	Medium	GBF Target 1, SPMS Goal 3
11.3	Develop and implement awareness-raising campaigns for investors, companies and governmental organizations whose activities (or whose employees' activities) could negatively impact CAMI species.	GOs, NGOs, scientific institutions	Materials available and distributed.	Medium	GBF Target 1, SPMS Goal 3
11.4	Develop and widely implement awareness-raising campaigns, through all relevant media, to raise the profile of CAMI species and highlight the benefits that accrue to people through their conservation at local, national and international levels.	CMS Secretariat, NGOs, scientific institutions, GOs	Campaign developed and launched by end of 2026	High	GBF Target 1, SPMS Goal 3
11.5	Produce and disseminate a brochure and a promotional video to raise awareness and understanding of the importance of the Central Asian region for CAMI species (and potentially also for migratory birds) for different audiences.	CMS Secretariat, NGOs, scientific institutions, GOs	Video and brochure featuring CAMI and other CMS-listed species of the region produced and promoted online.	High	GBF Target 1, SPMS Goal 3
11.6	Conduct side events at the meetings of COPs of CMS, CBD, UNCCD, UNFCCC, CITES and other relevant meetings to raise awareness of the CAMI WP and its implementation.	CMS Secretariat, scientific institutions, NGOs, GOs	Side events at CBD / CITES / UNCCD / UNFCCC COPs	Medium	GBF Target 1, SPMS Goal 3
11.7	Publish an annual CAMI newsletter in two languages (and, if possible, other languages) in cooperation with the CMS Secretariat.	CMS Secretariat, GOs, NGOs, scientific institutions	Newsletter published once a year.	Low	GBF Target 1, SPMS Goal 3
Priority Transboundary Conservation Regions (PTCRs)					
12. Western and Southern Ustyurt (Kazakhstan, Turkmenistan, Uzbekistan) - 1					

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
Species: Asiatic wild ass, goitered gazelle, Persian leopard, urial, saiga					
Range-Wide Strategy for the Conservation of the Persian Leopard 2023–2032					
Range-wide Action Plan for the Asiatic Wild Ass 2024–2033					
Medium-Term International Work Programme for the Saiga Antelope 2025–2030					
12.1	Fully implement the <u>Memorandum of Cooperation for Wildlife Conservation on the Ustyurt Plateau (Ustyurt MOC) and its Roadmap</u> .	GOs, NGOs, scientific institutions	Implementation reports submitted to Ustyurt MOC coordinator	High	GBF Target 4, SPMS Goal 3
12.2	Conduct a meeting to facilitate development of avoidance, compensation or mitigation measures for impact of industrial infrastructure, in particular related to wind and solar power development, on CMS-listed species, including CAMI and avian species, and on the basis of the discussions establish a working group, including if possible, representatives of the private sector.	GOs, NGOs, scientific institutions, private sector, CMS Secretariat	Meeting either in person or online conducted, identified and agreed measures at the latest by 2026.	High	GBF Targets 1, 3, 4, 14, 15, SPMS Goals 1, 3 & 5
12.3	Implement the measures agreed in 12.2	GOs, NGOs, scientific institutions, CMS Secretariat	Measures implemented before infrastructure is built.	High	GBF Targets 1, 3, 4, 14, 15, SPMS Goals 1, 3 & 5
12.4	Ensure that biodiversity action plans for each infrastructure project are in line with the conservation goals of CAMI.	GOs, NGOs, scientific institutions, private sector	Biodiversity action plans have measures for conservation of CAMI species	Medium	GBF Targets 1, 3, 4, 14, 15, SPMS Goals 1, 3 & 5
12.5	In cooperation with the Coordinator of the Ustyurt MOC, support organization of the 2 nd meeting of the Parties to the Ustyurt MOC in 2030.	CMS Secretariat, GOs, NGOs, scientific institutions	Support to meeting organization provided.	Medium	GBF Targets 1, 3, 4, 14, SPMS Goals 1, 3 & 5
12.6	Conduct a feasibility study for the possible reintroduction of saiga and Asiatic wild ass in northern Turkmenistan and in northern Uzbekistan and in case of positive outcome develop a reintroduction plan.	GOs, NGOs, scientific institutions, IUCN SSC SGs	Feasibility study conducted and draft of reintroduction plan, if needed	Medium	GBF Target 4, SPMS Goal 1

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
12.7	Conduct a feasibility study for the possibility of reintroduction of Persian Leopard in Ustyurt State Nature Reserve (Kazakhstan) and if recommended develop a reintroduction plan.	GOs, NGOs, scientific institutions, IUCN SSC SGs	Feasibility study conducted and draft of reintroduction plan, if needed	Medium	GBF Target 4, SPMS Goal 1
13. Northern and Eastern Ustyurt (Kazakhstan, Uzbekistan) - 2					
Species: goitered gazelle, Asiatic wild ass (re-introduced), saiga, urial					
Range-wide Action Plan for the Asiatic Wild Ass 2024–2033					
Medium-Term International Work Programme (MTIWP) for the Saiga Antelope 2025–2030					
13.1	Strengthen bilateral cooperation between Kazakhstan and Uzbekistan within the Medium-Term International Work Programme for the Saiga Antelope 2025–2030 (Activities 9.1–9.8), the Range-wide Asiatic Wild Ass Action Plan and the Memorandum of Cooperation for Wildlife Conservation on the Ustyurt Plateau and its Roadmap (see 12.1-12.6 above).	GOs, NGOs, scientific institutions	Official national documents prepared and ratified, National Reports on the implementation of the Memorandum available online	High	GBF Target 1, SPMS Goal 3
13.2	Continue re-introduction of the Asiatic wild ass (kulan) in Uzbekistan by applying improved methodologies, such as the use of adaptation pre-release enclosures and improved post-release monitoring by satellite tracking.	GOs, NGOs, scientific institutions	Reintroduction report, scientific publications	Medium	GBF Target 4, SPMS Goal 1
13.3	Develop a programme of re-stocking of goitered gazelle population using animals from the Bukhara Special Center 'Jeyran'.	GOs, NGOs, scientific institutions	Programme approved and implementation of the re-stocking.	Medium	GBF Target 4, SPMS Goal 1
13.4	Conduct an analysis of the existence of watering points and create a network of watering points for goitered gazelles, saiga and Asiatic wild ass and other wildlife in core habitat and on migration routes.	GOs, NGOs, scientific institutions	Network in place in core habitats and on migration routes and use by wildlife proven through camera traps.	High	GBF Target 4, SPMS Goal 1
13.5	Conduct a feasibility study for the possible reintroduction of urial in the area of the western cliffs of the Aral in Uzbekistan and Kazakhstan.	GOs, NGOs, scientific institutions	Feasibility study conducted and results available.	Medium	GBF Target 4, SPMS Goal 1
13.6	Assess the feasibility of establishing transboundary ecotourism tours.	GOs, NGOs, scientific	Feasibility study conducted	Medium	GBF Target 4, SPMS Goal 3

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
		institutions, private sector			
13.7	Engage local communities in the conservation of Saiga to reduce the level of poaching (see also MOC Roadmap goals 5.1 and 5.2)	GOs, NGOs, scientific institutions, private sector	Poaching levels decreased at the local level	High	GBF Target 4, SPMS Goal 3
13.8	Prepare documents for creation of protected areas in Northern Ustyurt in Kazakhstan (see 9.4 of MTIWP for the Saiga Antelope, and Ustyurt MOC Roadmap measure 1.1.2)	GOs, NGOs, scientific institutions	Documents prepared	High	GBF Target 3, SPMS Goal 2
14. Aralkum / North-Western Kyzylkum Desert (Kazakhstan, Uzbekistan) - 3					
Species: Asiatic wild ass, goitered gazelle, saiga					
Range-wide Action Plan for the Asiatic Wild Ass 2024–2033					
Medium-Term International Work Programme for the Saiga Antelope 2025–2030					
14.1	Continue monitoring of Asiatic wild ass population in and around Barsa-Kelmes State Strict Nature Reserve (SSNR) in Kazakhstan.	GOs, NGOs, scientific institutions	Survey reports, scientific publications	High	GBF Target 4, SPMS Goal 1
14.2	Continue monitoring of goitered gazelle and saiga populations in the Aralkum National Park, Barsa-Kelmes SSNR and Northwest Kyzylkum, and assess the impacts of current afforestation, and oil and gas development on these.	GOs, NGOs, scientific institutions	Survey reports, scientific publications	High	GBF Target 4, SPMS Goal 1
14.3	Implement SMART patrolling in Aralkum National Park and Barsa-Kelmes SSNR.	GOs, NGOs, scientific institutions	SMART used in these areas.	Medium	GBF Target 4, SPMS Goal 1
14.4	Conduct a feasibility study for creation of a protected area in Kazakhstan next to Akpetki part of Sudochie-Akpetki zakaznik in Uzbekistan.	GOs, NGOs, scientific institutions	Feasibility study conducted.	High	GBF Target 3, SPMS Goal 2
14.5	Evaluate the possibility of creating new protected areas in the Aralkum desert in Kazakhstan and for supporting conservation measures in Barsa- Kelmes SSNR and Aralkum National Park including the potential for a transboundary protected area.	GOs, NGOs, scientific institutions	Report containing a new evaluation including zoning/maps	Medium	GBF Target 3, SPMS Goal 2

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
14.6	To enable transboundary movement of target species of wildlife, identify suitable locations for border fence crossings, facilitate opening of these crossings and monitor the use of border fence crossings by wildlife with camera traps from the Kazakh and Uzbek sides.	GOs, scientific institutions	Border crossings actively used by CAMI species proven by camera trap data	High	GBF Target 2, SPMS Goal 2
14.7	Consider the possibility of creating passages in border fences to enable the migration of kulan, saiga and goitered gazelle within the Aralkum region.	GOs, scientific institutions	Feasibility assessment conducted	Medium	GBF Target 2, SPMS Goal 2
14.8	Work with oil and gas industry representatives to develop strategies to mitigate the impacts of the industrial activities in the region in accordance with international standards IFC6, <i>Guidelines for Addressing the Impact of Linear Infrastructure on Large Migratory Mammals in Central Asia</i> and other guidance.	GOs, NGOs, scientific institutions	Recommendations developed by 2027 and interventions implemented by 2028	High	GBF Target 14, SPMS Goal 5
14.9	Assess the feasibility of community-based eco-tourism including CAMI species observation tours, and provide support for business development in most promising locations.	GOs, NGOs	Feasibility study carried out by 2027, support provided	Medium	GBF Target 21, SPMS Goal 3
14.10	Assess the need for and feasibility of the reintroduction of the Asiatic wild ass in Aralkum.	GOs, NGOs, scientific institutions	Feasibility study completed by 2027.	Medium	GBF Target 4, SPMS Goal 1
14.11	Study the possibility of reintroducing Bukhara Deer and Asiatic wild ass in Sudochie-Akpetki zakaznik in Uzbekistan.	GOs, scientific institutions	Report prepared	Medium	GBF Target 4, SPMS Goal 1
15. Kopetdag (Iran, Turkmenistan) - 4					
Species: Asiatic cheetah, Asiatic wild ass, goitered gazelle, lynx, Pallas's cat, Persian leopard, urial					
<u>Range-Wide Strategy for the Conservation of the Persian Leopard 2023–2032</u>					
<u>Range-wide Action Plan for the Asiatic Wild Ass 2024–2033</u>					
15.1	Organize a workshop for relevant government authorities initiated by the Department of Environment of Iran and the Ministry of Environmental Protection of Turkmenistan with a view to strengthening transboundary collaboration between	GOs, NGOs, scientific institutions	Workshop conducted and report prepared by the end of 2026.	High	GBF Target 1, SPMS Goal 2

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
	neighbouring protected areas on CAMI species monitoring and conservation.				
15.2	Identify corridors for transboundary wildlife movements, especially for Persian leopard, Asiatic cheetah, urial, goitered gazelle and Asiatic wild ass, in collaboration with the border security services.	GOs, NGOs, scientific institutions	Scientific surveys conducted bi-annually starting in 2027 and reports published	High	GBF Target 3; SPMS Goal 2
15.3	Convene a meeting with environmental, border and security authorities to discuss the feasibility of creating wildlife passages in the parts of the border fence that are most intensively used by animals (as identified by 15.2) to enable ecological connectivity for the affected CAMI species.	GOs, NGOs, scientific institutions	Monitoring report published and one workshop held by the end of 2027.	High	GBF Target 2, SPMS Goal 2
15.4	Strengthen anti-poaching patrols and measures using SMART and other innovative technologies such as satellite- and LORA-powered camera traps or other national tools and systems.	GOs, NGOs	Quarterly reports published for at least one site.	High	GBF Target 4, SPMS Goal 1
15.5	Enforce evidence-based grazing bans and restrictions in borderline protected areas.	GOs, NGOs, scientific institutions	Reports and official enforcement documents on no-grazing zones; absence of livestock in these PAs.	High	GBF Target 4, SPMS Goal 1
15.6	Organize a series of practical workshops for herders on applying the IUCN SSC Guidelines on Human-Wildlife Conflict and Coexistence (HWCC) and facilitate implementation of conflict reduction tools and practices.	GOs, NGOs, IUCN SSC, scientific institutions	First 2 workshops in Iran and Turkmenistan held by 2027.	High	GBF Target 20, SPMS Goal 3
15.7	Map existing water points for CAMI species and assess the need for building additional artificial water points for livestock to separate wildlife and livestock.	GOs, NGOs, scientific institutions	Water points mapped and monitored using camera traps in sections of the PTCR by the end of 2026.	High	GBF Target 4, SPMS Goal 1
15.8	Implement broad educational and outreach campaigns to raise awareness among local communities about the value of CAMI species, the importance of wildlife corridors, and the role of human communities in their conservation.	GOs, NGOs, scientific institutions	At least 2 educational and outreach campaigns conducted on CAMI species, wildlife corridors	Medium	GBF Target 4, SPMS Goal 1

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
			and community involvement.		
15.9	In Iran, strengthen the participation of the private sector and local communities in participatory management of wildlife corridors for CAMI species, especially outside the boundaries of officially protected areas, by creating incentive mechanisms and capacity-building programmes, and reinforcing appropriate legal and financial frameworks.	GOs, NGOs, scientific institutions	Five important areas in Iran for the conservation of CAMI species identified and established within corridors outside of official protected areas, using a participatory conservation approach involving the government, NGOs, the private sector and local communities.	High	GBF Target 4, SPMS Goal 1
15.10	Consider the possibility of establishing a Transboundary Protected Area or Friendship Park between Iran and Turkmenistan for conservation of the Persian leopard and its prey.	GOs	Possibility of establishing a Transboundary Protected Area or Friendship Park between Iran and Turkmenistan for conservation of the Persian Leopard and its prey evaluated.	High	GBF Target 4, SPMS Goal 1
15.11	Develop joint action plans between Iran and CAMI countries for the conservation of the Pallas's cat and Eurasian lynx.	GOs, NGOs, scientific institutions	Action plans between Iran and CAMI countries for the conservation of the Pallas's cat and Eurasian lynx have been developed.	Medium	GBF Target 4, SPMS Goal 1
15.12	Initiate an international campaign supporting cheetah conservation activities in Iran.	DoE of Iran, NGOs, scientific institutions (CMS Secretariat if needed)	Technical and financial support from the international community for cheetah conservation activities in Iran provided.	High	GBF Target 4, SPMS Goal 1
16. Koytendag/Kugitang (Turkmenistan, Uzbekistan) - 5					

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
Species: goitered gazelle, lynx, urial					
16.1	Coordinate CAMI species monitoring and data sharing between Surkhan SSNR and Koytendag SSNR.	GOs, scientific institutions, hunting grounds	Coordinated surveys and sharing of data protocols implemented by the end of 2027.	High	GBF Target 4, SPMS Goal 1
16.2	Continue using SMART in Surkhan SSNR and Koytendag SSNR and strengthen patrols with the use of SMART.	GOs, NGOs, scientific institutions	SMART reports published quarterly.	High	GBF Target 4, SPMS Goal 1
16.3	Submit a request to the UNESCO World Heritage Commission for a preliminary feasibility assessment for the nomination of the 'Karsts, Caves and Canyons of Kugitang' for the UNESCO World Heritage List.	GOs, NGOs, scientific institutions	Request submitted by 15 September 2026.	High	GBF Target 1, SPMS Goal 2
16.4	If the response from UNESCO is positive, submit a full nomination dossier to the UNESCO World Heritage Commission.	GOs, NGOs, scientific institutions	Nomination dossier submitted at the latest by February 2028.	High	GBF Target 1, SPMS Goal 2
16.5	Enforce and monitor the full ban on livestock (cows, horses, donkeys and sheep) inside Koytendag SSNR through SMART application, Google Maps and camera traps.	GOs	Full ban in place by the end of 2026; SMART reports and camera trap pictures	High	GBF Target 4, SPMS Goal 1
16.6	Set up and enforce strictly controlled grazing in the Hojeypil and Hojagaraul Wildlife Sanctuaries (Turkmenistan).	GOs, local communities	Legislation adopted regulating grazing in wildlife sanctuaries by the end of 2027	High	GBF Target 4, SPMS Goal 1
16.7	Improve the rangelands adjacent to the Hojeypil and Hojagaraul Wildlife Sanctuaries by promoting more sustainable and rotational use of rangelands with local shepherds, and drilling at least 2 wells for livestock in territories adjacent to the protected areas (Turkmenistan).	GOs, local communities	At least 2 wells drilled, and rotational use of rangelands implemented by the end of 2027.	High	GBF Target 4, SPMS Goal 1
16.8	Develop recommendations for alternative livelihood sources based on a socioeconomic assessment in the local communities adjacent to the protected areas.	NGOs, local communities	Report with the recommendations by the end of 2027.	High	GBF Target 22, SPMS Goal 3

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
16.9	To preserve the overall integrity and connectivity of the Koytendag SSNR, identify scientifically justified locations for crossings and open wildlife passages to ensure the genetic diversity of wild animals, including genetic exchange between populations of urial and other ungulates.	GOs, scientific institutions	Passages created by the end of 2026	High	GBF Target 4, SPMS Goal 1
16.10	Develop and implement recommendations on the revision of the zoning of Surkhan SSNR to exclude the existing children's camp from the reserve for purposes of inclusion of the reserve in the UNESCO World Heritage list.	GOs, scientific institutions	New zoning completed	High	GBF Target 3, SPMS Goal 2
17. Western Tian Shan (Kazakhstan, Kyrgyzstan, Uzbekistan) – 6					
Species: argali, lynx, snow leopard					
Action Plan for the Conservation of the Argali (2024–2032)					
17.1	Exchange information on target species, plan and conduct coordinated surveys (see activity 10.3).	GOs, NGOs, scientific institutions, hunting grounds	Workshop conducted, methodology guidelines agreed; survey reports, including of coordinated transboundary surveys.	High	GSLEP, GBF Target 4, SPMS Goal 1
17.2	Monitor the impact of climate change on the target species, specifically where glacier reduction and related hydrological regime changes occur.	NGOs, GOs, scientific institutions	Report on climate change impact	High	GBF Target 8, SPMS Goal 3
17.3	Evaluate the Protected Area Management Effectiveness (PAME) in the Western Tian Shan World Natural Heritage Site.	GOs, NGOs, scientific institutions	PAME report, e.g., IUCN Green List Assessment Report	High	GBF Target 4, SPMS Goal 1
17.4	Integrate recommendations from the transboundary management framework for the Western Tian Shan World Natural Heritage Site into protected area management plans.	GOs, IUCN, GIZ, scientific institutions	Updated and coordinated management plans	Medium	GBF Target 1; SPMS Goal 2, UNESCO
17.5	Apply Activities 3.6, 5.1 and 5.2 to this PTCR, ensuring that requirements for the conservation of all target species and other biodiversity are adequately addressed during planning, construction and operation of energy, industrial, linear and tourism infrastructure.	GOs, NGOs, CMS Secretariat, scientific institutions	EIA processes include CMS requirements for CAMI species conservation.	High	GBF Target 14, SPMS Goal 5, Agreement between the Government of the Republic of

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
					Kazakhstan, the Government of the Kyrgyz Republic, and the Government of the Republic of Uzbekistan on Cooperation in the Field of Environmental Protection and Rational Use of Natural Resources dated 17 March 1998 (hereinafter – the Agreement).
17.6	Explore an opportunity to expand Karatau SSNR by annexing the adjacent north-east-facing slopes of the Karatau Range.	GOs, scientific institutions	New zoning/maps, expanded Karatau SPA	Medium	GBF Target 3, SPMS Goal 2, GSLEP
17.7	Prepare and adopt a justification for the creation of the Pskem SSNR in the upper reaches of the Oygaing and Shabyrsai Rivers (Uzbekistan).	GOs, NGOs, scientific institutions	Pskem SSNR is legally established	High	GBF Target 3, SPMS Goal 2
17.8	Complete the creation of a buffer zone around the Chatkal State Biosphere Reserve.	GOs, NGOs, scientific institutions	Buffer zone identified and approved	High	GBF Target 3, SPMS Goal 2
17.9	Explore possibility of expanding the Besh Aral SSNR by adding the Pskem River basin and the eastern part of the Chatkal River, including the riverine floodplains (Kyrgyzstan).	GOs, NGOs, scientific institutions	Expansion of the Besh Aral SSNR is legally approved	High	GBF Target 3, SPMS Goal 2
17.10	Expand the territory of the Pap NP by adding Angren Plateau cluster (Uzbekistan).	GOs, NGOs, scientific institutions	Expansion of the Pap NP is legally approved	High	GBF Target 3, SPMS Goal 2
18. Northern and Inner Tian Shan (China, Kazakhstan, Kyrgyzstan) – 7					
Species: argali, lynx, Pallas's cat, snow leopard					

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
<u>Action Plan for the Conservation of the Argali (2024–2032)</u>					
18.1	Conduct transboundary assessment and systematic monitoring of the target species and habitats (activities 10.1, 10.2, 10.3).	GOs, NGOs, scientific institutions	Assessment and monitoring carried out by 2028, report prepared.	High	GBF Target 4, SPMS Goal 1, GSLEP
18.2	Monitor the impact of climate change on the target species, specifically where glacier reduction and related hydrological regime changes occur.	NGOs, GOs, scientific institutions	Report on climate change impact	High	GBF Target 8, SPMS Goal 3
18.3	Prepare a plan for establishing a network of protected areas and OECMs to conserve target species and their habitats in the transboundary landscape between Kazakhstan, China and Kyrgyzstan (Mountains of Kungey Alatau, Terskey Alatau and Uzynkara).	GOs, NGOs, scientific institutions, CMS Secretariat	Plan for creating a network is published and agreed between the three countries.	High	GBF Target 3, SPMS Goal 2, GSLEP
18.4	Map existing and planned border fences, as appropriate per national context, and other linear infrastructure, prepare an analysis of their impacts, and develop mitigation measures.	GOs, NGOs, scientific institutions, GSLEP, CMS Secretariat	Workshop held by 2027, report prepared including maps and site-specific mitigation measures developed and agreed.	High	GBF Targets 1, 2, SPMS Goal 2, GSLEP
18.5	Implement the measures to enhance connectivity as determined under 18.3 and 18.4.	GOs, IFIs	Measures implemented.	High	GBF Targets 1, 2, SPMS Goal 2, GSLEP
18.6	Conduct training of border guards and customs officers as per Activities 4.3, 7.7 and 10.6.	GOs, NGOs, scientific institutions	One training held by 2027 in each country and one regional one.	High	GBF Target 20, SPMS Goal 3, GSLEP
18.7	Improve policy and regulation to avoid negative impacts of tourism on target species, their habitats and on eco-tourism potential of the area, ensuring that tourism benefits local communities and incentivizes biodiversity conservation.	GOs, NGOs	Policy and regulations to avoid negative impact on target species and habitats are in place and enforced	High	GBF Target 1, SPMS Goal 2, GSLEP

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
18.8	Support the development of community- and nature-based solutions, namely: a) provide initial investment and assistance to wildlife tourism product development and marketing; b) ensure link between benefits to communities and conservation efforts; c) assign the management of argali and other species' habitats to community-based organizations, including for the sustainable use of argali once its population reaches the established thresholds; and d) support other sustainable and wildlife-friendly alternatives to livestock rearing.	GOs, NGOs	At least one community- and nature-based solution developed by 2028	High	GBF Target 22, SPMS Goal 3, GSLEP
18.9	Outside protected areas, engage with and provide training to local communities to ensure sustainability of grazing practices.	NGOs, GOs, scientific institutions, UNEP	At least 1 training provided to local communities in each country.	Medium	GBF Target 20, SPMS Goal 4, GSLEP
18.10	Apply grazing management including necessary seasonal and temporary restrictions on grazing in OECMs (including eco-corridors) and/or in Protected Areas (where applicable) to improve habitat conditions for target species using relevant tools (wildlife-inclusive pasture management guidelines used in Kyrgyzstan).	GOs, NGOs, scientific institutions	Grazing management improved in at least one PA and/or OECM per country	High	GBF Targets 3, 4, SPMS Goals 1 & 2, GSLEP
19. Pamirs-Hindukush-Karakoram (Afghanistan, China, Kyrgyzstan, Pakistan, Tajikistan) - 8					
Species: argali, lynx, Pallas's cat, snow leopard, urial					
<u>Action Plan for the Conservation of the Argali (2024–2032)</u>					
19.1	Coordinate monitoring and research of population status and threats to target species, exchanging analysis of data / information on target species, particularly collected through camera traps and non-invasive DNA sampling.	GOs, NGOs, GSLEP, scientific institutions, IUCN SSC SGs	Survey reports, scientific publications. Coordinated monitoring carried out by 2028.	High	GBF Targets 4, 20, 21, SPMS Goals 1 & 4, GSLEP
19.2	Map border structures and remnants of old fences, where applicable in accordance with national legislation, as well as existing and planned fences and roads; assess their impacts and identify mitigation measures by involving all relevant	CMS Secretariat, GOs, NGOs, scientific	Meeting took place (in person or online), outcomes of the meeting published by 2028,	High	GBF Targets 1, 14, SPMS Goals 2 & 5, GSLEP

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
	national and international stakeholders, CAMI SFPs and national experts, with the facilitation from the CMS Secretariat and other organizations, taking into account relevant guidelines.	institutions, GSLEP	results added to updated CAMI Atlas, identified mitigation, measures ready for implementation.		
19.3	Implement measures agreed at the meeting above (19.2) to increase connectivity, transboundary migrations and support range expansion of target CAMI species.	GOs, NGOs, scientific institutions	Report on implemented mitigation measures by 2032.	High	GBF Targets 1, 14, SPMS Goals 2 & 5, GSLEP
19.4	Support the implementation of community-based wildlife management approaches, where possible, including sustainable use of wildlife (particularly in Kyrgyzstan and Pakistan and potentially in Afghanistan and Tajikistan).	NGOs, GOs, scientific institutions	Number of community-based wildlife management initiatives active in the PTCR.	Medium	GBF Target 22, SPMS Goal 3, GSLEP
19.5	Conduct a feasibility study for the reintroduction of local subspecies of urial in the Tajik part of the Wakhan using animals from Afghanistan, including the feasibility of reintroducing urial in its former range within Pakistan.	NGOs, GOs, IUCN SSC SGs, scientific institutions	Feasibility studies by 2032	Medium	GBF Target 4, SPMS Goal 1
20. Altai (China, Mongolia, Kazakhstan, Russian Federation) – 9					
Species: argali, snow leopard, Pallas's cat, lynx					
<u>Action Plan for the Conservation of the Argali (2024–2032)</u>					
20.1	Compile CAMI species data from different institutions within this PTCR to update the range and population estimates.	GOs, NGOs, GSLEP, scientific institutions	Data compilation started by 2026. Results reported annually.	Medium	GBF Target 20, SPMS Goal 4, GSLEP
20.2	Conduct transboundary and coordinated monitoring of target species.	GOs, NGOs, scientific institutions, Protected Areas, GSLEP, IUCN SSC, Manul Working Group	Coordinated monitoring carried out by 2026	High	GBF Target 4, SPMS Goal 1, GSLEP
20.3	Update the linear infrastructure map of this PTCR in the CAMI Atlas, including border fences between the Range States, assess their impact on target species, and mitigate their effects.	GOs, NGOs, PAs, scientific institutions	Report on impact assessment by 2028 and on reduction of negative effects by 2032	High	GBF Targets 1, 14, SPMS Goal 2

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
21. Daurian Steppe (China, Mongolia, Russian Federation) - 10					
Species: Mongolian gazelle, Pallas's cat, Przewalski's horse (re-introduction ongoing), goitered gazelle (reported in the Russian Federation)					
21.1	Compile CAMI species data from different institutions within this PTCR to update the range and population estimates and to prepare recommendations on coordinated monitoring.	GOs, NGOs, scientific institutions	Report and recommendations prepared by 2026	High	GBF Target 4, 17, SPMS Goals 1 & 5
21.2	Conduct transboundary and coordinated monitoring of target species.	GOs, NGOs, scientific institutions, PAs, IUCN SSC, PICA, Manul Working Group	Coordinated monitoring conducted, report and recommendations prepared by the end of 2026	High	GBF Target 4, SPMS Goal 1, PICA
21.3	Conduct joint surveys to understand and agree on how to maintain and improve transboundary migration of Mongolian gazelles between China, Mongolia and Russia.	GOs, NGOs, scientific institutions	Surveys conducted and the assessment report prepared by the end of 2028, passages are re-designed at least in one identified hotspot	High	GBF Target 4, SPMS Goal 1
21.4	Maintain and improve connectivity along existing railways through the modification and re-design of barbed wire fences: a) replace the barbed wire fences along the trans-Mongolian railway with smooth wire and adjust fence height to allow Mongolian gazelles and goitered gazelles to cross; b) remove fences where no human settlements are located in accordance with the Mongolian fence standards from 2024.	GOs, NGOs, scientific institutions	Fences re-designed along identified hotspots derived from GPS tracking data by 2028	High	GBF Targets 1, 2, 14, SPMS Goals 2 & 5
21.5	CMS Secretariat to address planned railway including fencing of the railway in a letter to the Mongolian Government, sharing the GIUM and CAMI Atlases and as a follow up organize an online meeting between relevant sector representatives in Mongolia.	CMS Secretariat, GOs, NGOs, scientific institutions	Letter sent, online meeting protocol available by 2026	High	GBF Targets 1, 2, SPMS Goal 2

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
21.6	Map the distribution of mining activities and conduct workshops with relevant stakeholders to explore their impact on CAMI species and further mitigation measures.	GOs, NGOs, scientific institutions	Impact assessment report prepared by 2028	High	GBF Targets 1, 2, SPMS Goal 2
21.7	Conduct a workshop to train border guards in monitoring transboundary movements of wildlife and control and prevention of wildlife crime.	GOs, NGOs	Workshop conducted by the end of 2027	Low	GBF Target 20, SPMS Goal 4
21.8	Organize a workshop with stakeholders at the national and local levels to explore the magnitude, distribution and decision-making process of haymaking and its impacts on the target species of wildlife.	GOs, NGOs, scientific institutions, local communities	A workshop organized by the end of 2027	High	GBF Targets 1, 2, SPMS Goal 2
22. Gobi (China, Mongolia) – 1					
Species: argali, Asiatic wild ass, Gobi bear, goitered gazelle, lynx, Pallas's cat, Przewalski's horse, snow leopard, wild camel					
<u>Action Plan for the Conservation of the Argali (2024–2032)</u>					
<u>Range-wide Action Plan for the Asiatic Wild Ass (2024–2033)</u>					
22.1	CMS Secretariat to organize a Range State meeting between Mongolia and China, including the relevant national and provincial authorities, to discuss possible areas and means of cooperation to improve the conservation of CAMI species	GOs, NGOs, CMS Secretariat, scientific institutions	In person meeting conducted by 2027	High	GBF Targets 3, 4, 20, SPMS Goals 1, 2 & 4, GSLEP
22.2	Continue collaboration between China and Mongolia through increasing awareness on transboundary issues and where needed establishing communication channels between agency personnel, biologists and conservationists working on CAMI species conservation in China and Mongolia.	GOs, NGOs, scientific institutions	One online meeting by the end of 2026 followed by annual in-person/online meetings, sharing of information and data on wildlife	High	GBF Targets 3, 20; SPMS Goals 2 & 4
22.3	Building on the results of the Activity 22.2, harmonize monitoring protocols of wildlife movements and distributions, and coordinate field surveys along the border between China and Mongolia	GOs, NGOs, scientific institutions	At least one survey conducted following 2028, report with survey results prepared	High	GBF Targets 3, 4, 20, SPMS Goals 1, 2 & 4, GSLEP
22.4	Identify, describe and map potential transboundary wildlife movement corridors based on existing movement data from the Mongolian and Chinese teams, focusing on the Great	GOs, NGOs, scientific institutions	Wildlife movement corridors identified,	High	GBF Targets 1,2, 3, SPMS Goal 2, GSLEP

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
	Gobi A and Great Gobi B SPAs in Mongolia and Kalamaili NP in China.		described and mapped by the end of 2028		
22.5	Identify, describe and map human footprint (e.g., mining sites) and water points on both sides of the border between China and Mongolia, based on most recent satellite images	NGOs, scientific institutions	Maps produced by the end of 2026	High	GBF Target 2, SPMS Goal 2, GSLEP
22.6	Continue monitoring the impacts of mining and related infrastructures on CAMI species and feed back into companies' management to mitigate impacts.	GOs, NGOs, scientific institutions, private business	Regular monitoring reports on the long-term mining-related impacts on CAMI species are available	High	GBF Target 14, SPMS Goal 2
22.7	Support community-based projects, ensuring link between benefits to communities and conservation efforts to: <ul style="list-style-type: none"> increase income per domestic animal unit through improved animal husbandry; and provide initial investments and assistance to livestock and ecotourism product development and marketing. 	Local communities, GOs, NGOs	Projects in place	High	GBF Target 8, SPMS Goal 3
22.8	Explore possibility of expanding the protected area network in the region of Great Gobi A SPA in Mongolia and MaJu Shan LPA, and Anxi Extreme Arid Desert ANR in China, as well as along the Bulgan River ecosystem	GOs, NGOs, scientific institutions	Online meeting held by the end of 2026	High	GBF Target 3, SPMS Goal 1 & 5, GSLEP
22.9	Ensure the implementation of the national standards for wildlife passages in the fences along the Trans-Mongolian, Tavan Tolgoi, Zuun Bayan, and Khangai railroads as well as high-traffic mining roads.	GOs, private business	Number of wildlife-friendly crossing structures built by the end of 2030	High	GBF Targets 1, 3, 14, SPMS Goals 1, 2 & 5 and GSLEP
22.10	Evaluate and improve pasture management plans to regulate livestock grazing in the buffer zones of Great Gobi A & B SPA and Small Gobi A & B SPA in close cooperation with local communities, soum and aimag administrations.	GOs, NGOs, local communities	Revised pasture management plans by the end of 2027	High	GBF Target 10, SPMS Goal 2
22.11	Reduce the livestock numbers within the Great Gobi B SPA, the Small Gobi A SPA, and the Small Gobi B SPA and restrict livestock grazing to limited-use zones in close	GOs, NGOs, local communities	Revised herder contracts with the Great Gobi B SPA by the end of 2028	High	GBF Targets 1, 4, SPMS Goal 1, GSLEP

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
	cooperation with local communities, soum and aimag administrations.				
22.12	Establish water management plans to secure sufficient water flow into the Great Gobi B SPA in cooperation with watershed councils.	GOs, NGOs	Water management plans established by the end of 2028	High	GBF Target 4, SPMS Goal 1
22.13	Maintain and re-establish, where needed, functional connectivity between all PAs of the Great and Small Gobis based on socio-ecological surveys as well as through mapping and defining wildlife movement corridors.	GOs, NGOs, scientific institutions	Socio-ecological surveys and mapping of wildlife movement corridors conducted by the end 2028	High	GBF Target 3, SPMS Goal 2
22.14	Revise the boundaries of the Small Gobi B SPA excluding mining-related infrastructure.	GOs	Officially approved decree on the boundaries of the Small Gobi B SPA by the end of 2026	High	GBF Target 3, SPMS Goal 2
22.15	Establish an appropriate national legal framework to prevent hybridization of Przewalski's horses with domestic horses, and wild camels with domestic camels, and to allow removal of hybrids from the wild.	GOs, NGOs, scientific institutions	Revised national legal framework by the end of 2029	High	GBF Target 4, SPMS Goal 2
22.16	Reduce the number of domestic horses grazing in the limited use zone in the Great Gobi B SPA and limit their presence to the non-breeding period of Przewalski's horses from fall to early spring.	GOs, NGOs, local communities	Revised pasture management plans by the end of 2027	High	GBF Target 4, SPMS Goal 1
23. Western Himalaya (China, India, Nepal) – 12					
Species: argali, lynx, kiang, snow leopard, Pallas's cat, wild yak					
<u>Action Plan for the Conservation of the Argali (2024–2032)</u>					
23.1	Assess distribution areas of the target species (at least for argali, kiang, snow leopard, wild yak), habitat use, population sizes and trends. For other target species, define distribution areas.	GOs, NGOs, scientific institutions	Range maps, first surveys, reports, scientific publications prepared	High	GBF Target 4, SPMS Goal 1, GSLEP
23.2	Conduct meetings to share best practices/experience for target species conservation in the PTCR to enhance transboundary cooperation.	GOs, NGOs, scientific	One meeting conducted, coordinated activities determined, report on	Medium	GBF Targets 4, 20, SPMS Goals 1 & 5, GSLEP

Activities to be implemented by 2032		Responsible	Indicator	Priority ¹	Related programmes
		institutions, CMS Secretariat	implementation within CAMI.		
23.3	Monitor climate change impacts on water and pasture availability for wildlife, and land use change, and define and implement adaptation measures, if needed.	GOs, NGOs and scientific institution	Collaboration between relevant authorities. Adaptation measures identified.	Medium	GBF Target 8, SPMS Goal 3, GSLEP
24. Eastern Himalaya (Bhutan, China, India, Nepal) – 13					
Species: argali, kiang, snow leopard, Pallas's cat					
<u>Action Plan for the Conservation of the Argali (2024–2032)</u>					
24.1	Assess distribution areas of the target species (at least for argali, kiang, snow leopard), habitat use, population sizes and trends. For Pallas' cat, define distribution areas.	GOs, NGOs, scientific institutions	Range maps, first surveys, reports, scientific publications prepared	High	GBF Target 4, SPMS Goal 1, GSLEP
24.2	Conduct meetings to share best practices/experience for target species conservation in the PTCR to enhance transboundary cooperation.	GOs, NGOs, scientific institutions, CMS Secretariat	One meeting conducted, coordinated activities determined, report on implementation within CAMI.	Medium	GBF Targets 4, 20, SPMS Goals 1 & 5, GSLEP
24.3	Monitor climate change impact on water and pasture availability for wildlife, and land use change, define and implement adaptation measures, if needed.	GOs, NGOs and scientific institutions	Collaboration between relevant authorities. Adaptation measures identified.	Medium	GBF Target 8, SPMS Goal 3, GSLEP

Annex to CAMI WP

The priority transboundary conservation regions (PTCRs) listed in the Central Asian Mammals Initiative Work Programme 2026–2032 were identified by the 3rd meeting of CAMI Range States, using the study [Transboundary conservation hotspots for the Central Asian Mammals Initiative](#) as a starting point. Several areas in the study were re-named and/or their boundaries expanded during consultations with experts and Range States, to reflect current data and conservation priorities.

1. Renaming for geographic precision and clarity:

- Aral Sea / Western Kyzylkum Desert was renamed Aralkum / North-Western Kyzylkum Desert;
- Eastern Ustyurt was renamed Northern and Eastern Ustyurt;
- Southwestern Ustyurt was renamed Western and Southern Ustyurt;
- The Khan Tengri region was renamed Northern and Inner Tian Shan, reflecting the inclusion of two hotspots identified in the study;
- High Pamirs was expanded to include Pamiro-Alai in Kyrgyzstan and Wakhan in Afghanistan, and extended in Pakistan to reflect Range State priorities, and was thus renamed Pamirs-Hindukush-Karakoram;
- Trans-altai Gobi, South Gobi and Jungarian Gobi were merged into one PTCR named Gobi;
- Western Trans-Himalaya was renamed Western Himalaya to reflect the expansion of the region.

2. Expansion of areas of conservation significance for CAMI (which is not reflected in the name of the PTCR):

Several existing areas have been expanded based on updated data on species distribution, habitat connectivity, other identified important areas for biodiversity conservation and emerging threats:

- Western and Southern Ustyurt to include the Kyzylsai Regional Natural Park in Kazakhstan and the corridor used by Persian leopards; and in Turkmenistan, the proposed Balkan protected area cluster;
- Kopetdag to include the foothills of the Kopetdag in Turkmenistan; and in Iran, Golestan National Park (key Persian leopard and urial habitat), and Turan National Park and Miandasht Wildlife Refuge (critical Asiatic cheetah habitat); and
- Western Tian Shan boundaries were extended to closely reflect those of the UNESCO World heritage site.

3. Addition of new PTCRs:

Two transboundary conservation areas – Altai and South Gobi – were added to the list of PTCRs. They were identified as priority areas during the Technical Workshop for CAMI that took place on the Isle of Vilm, Germany, from 6 to 8 May 2025, based on the habitats of additional species proposed for inclusion in CAMI:

- Altai covers critical habitat across the Altai Mountains for CAMI species;
- South Gobi is a unique desert-steppe and mountain ecosystem in southern Mongolia (now part of Gobi PTCR).

- Eastern Himalaya was added following a joint request by the respective Range States (Bhutan, China, India and Nepal).

These adjustments aim to provide an operational conservation framework that aligns with current ecological knowledge, supports targeted conservation action, and facilitates cross-border collaboration in Central Asia.

Annex to CAMI WP

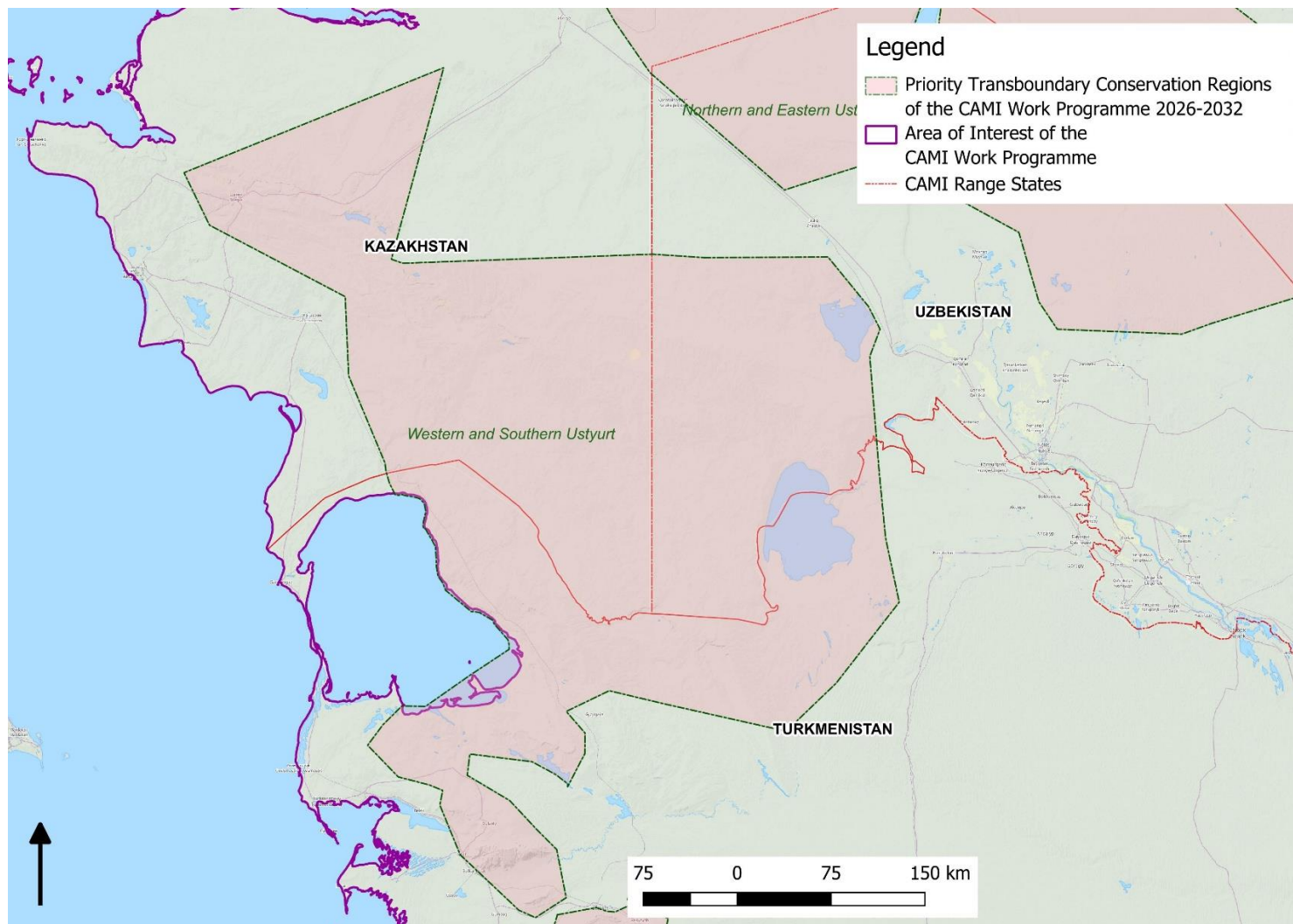


Figure 2. Priority Transboundary Conservation Region 1: Western and Southern Ustyurt

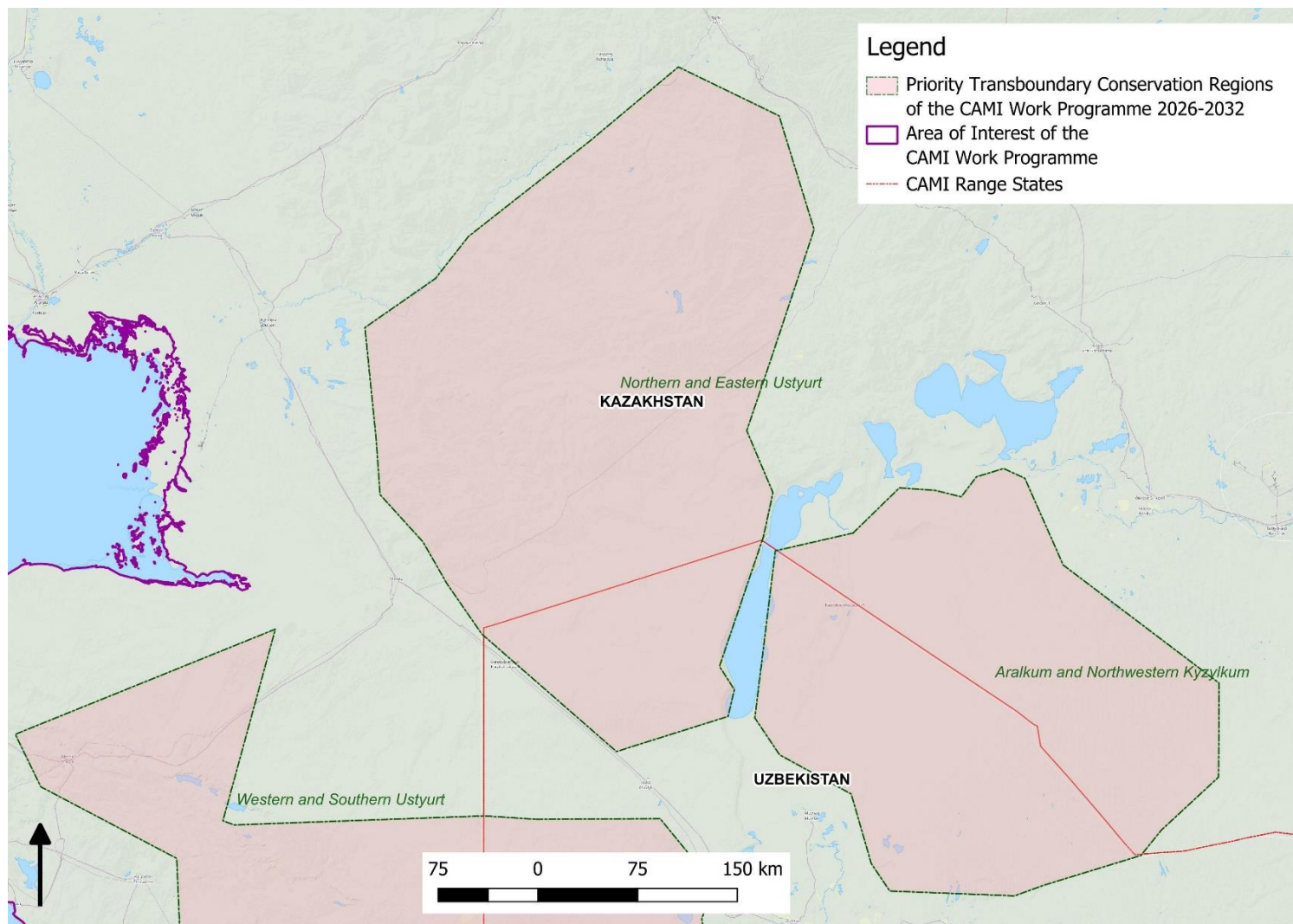


Figure 3. Priority Transboundary Conservation Region 2: Northern and Eastern Ustyurt and 3: Aralkum and Northwestern Kyzylkum

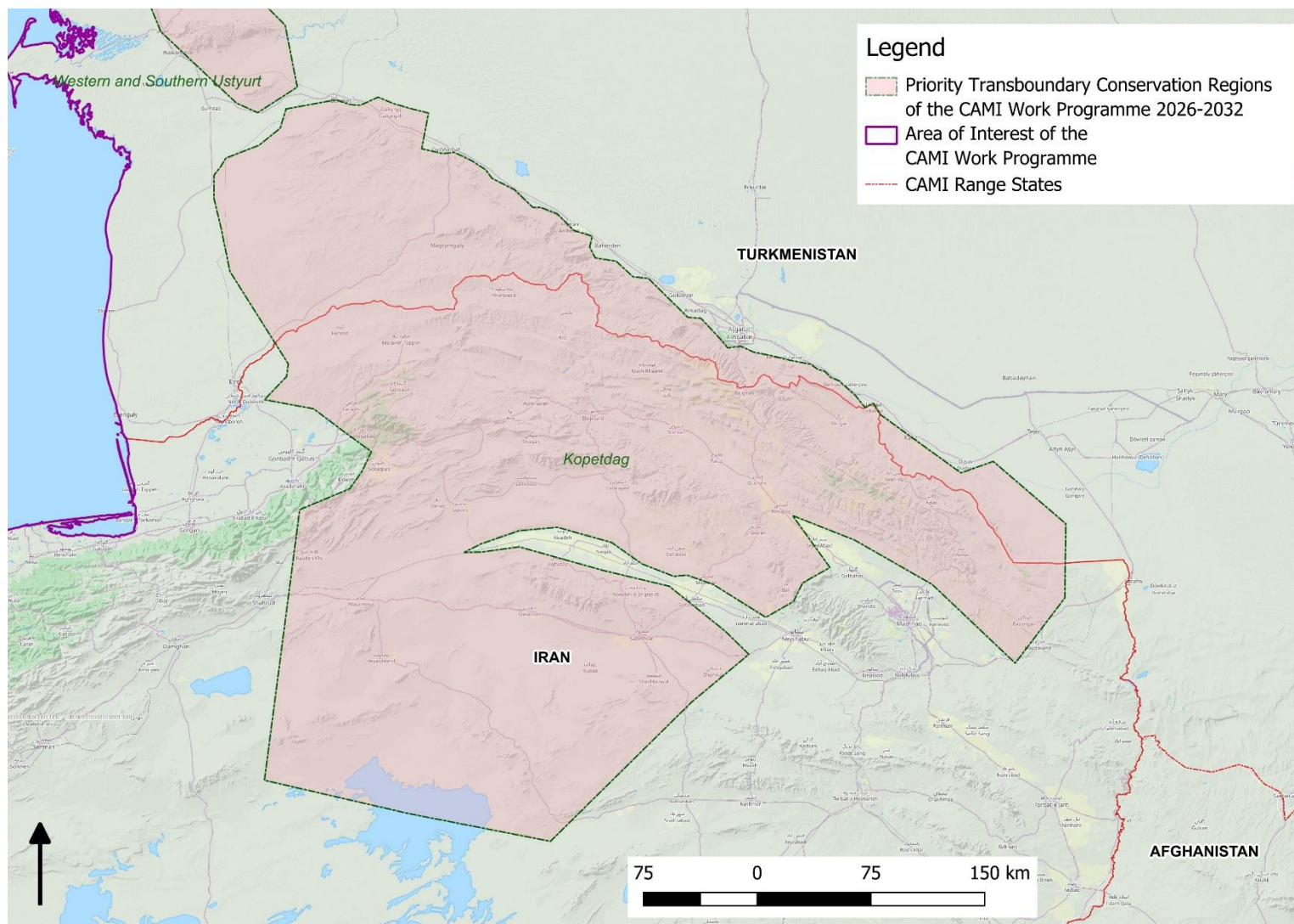


Figure 4. Priority Transboundary Conservation Region 4: Kopetdag

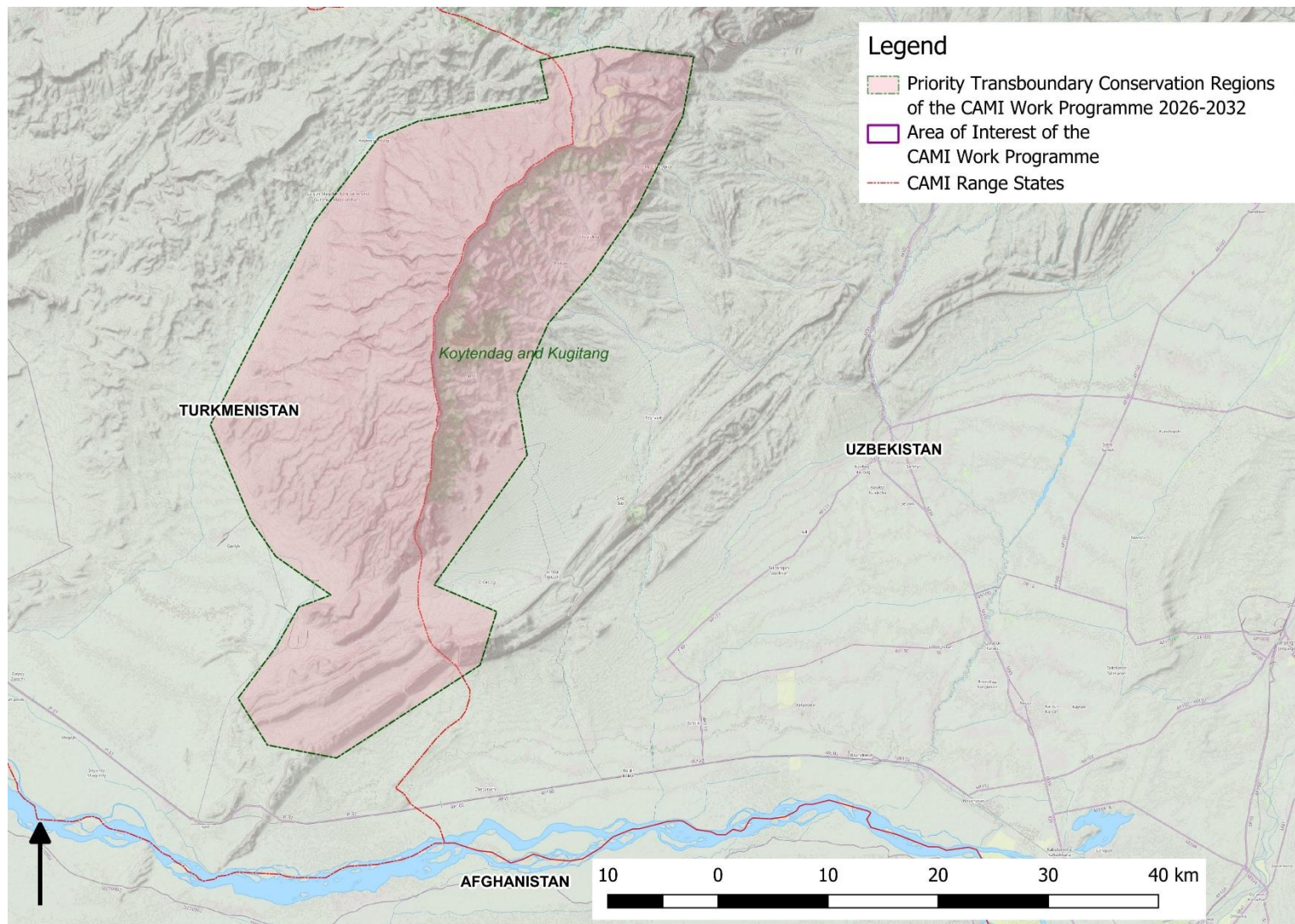


Figure 5. Priority Transboundary Conservation Region 5: Koytendag and Kugitang

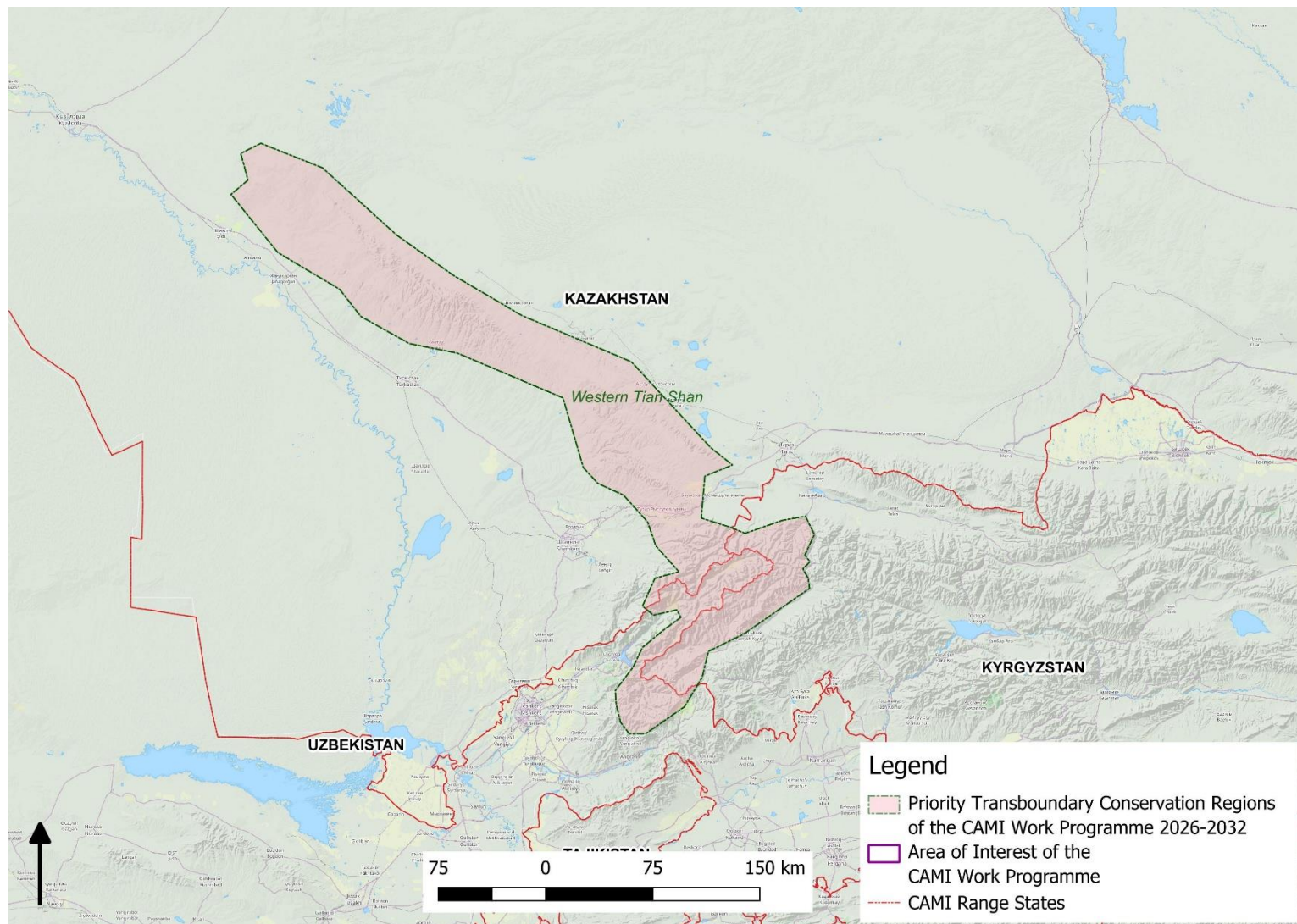


Figure 6. Priority Transboundary Conservation Region 6: Western Tian Shan

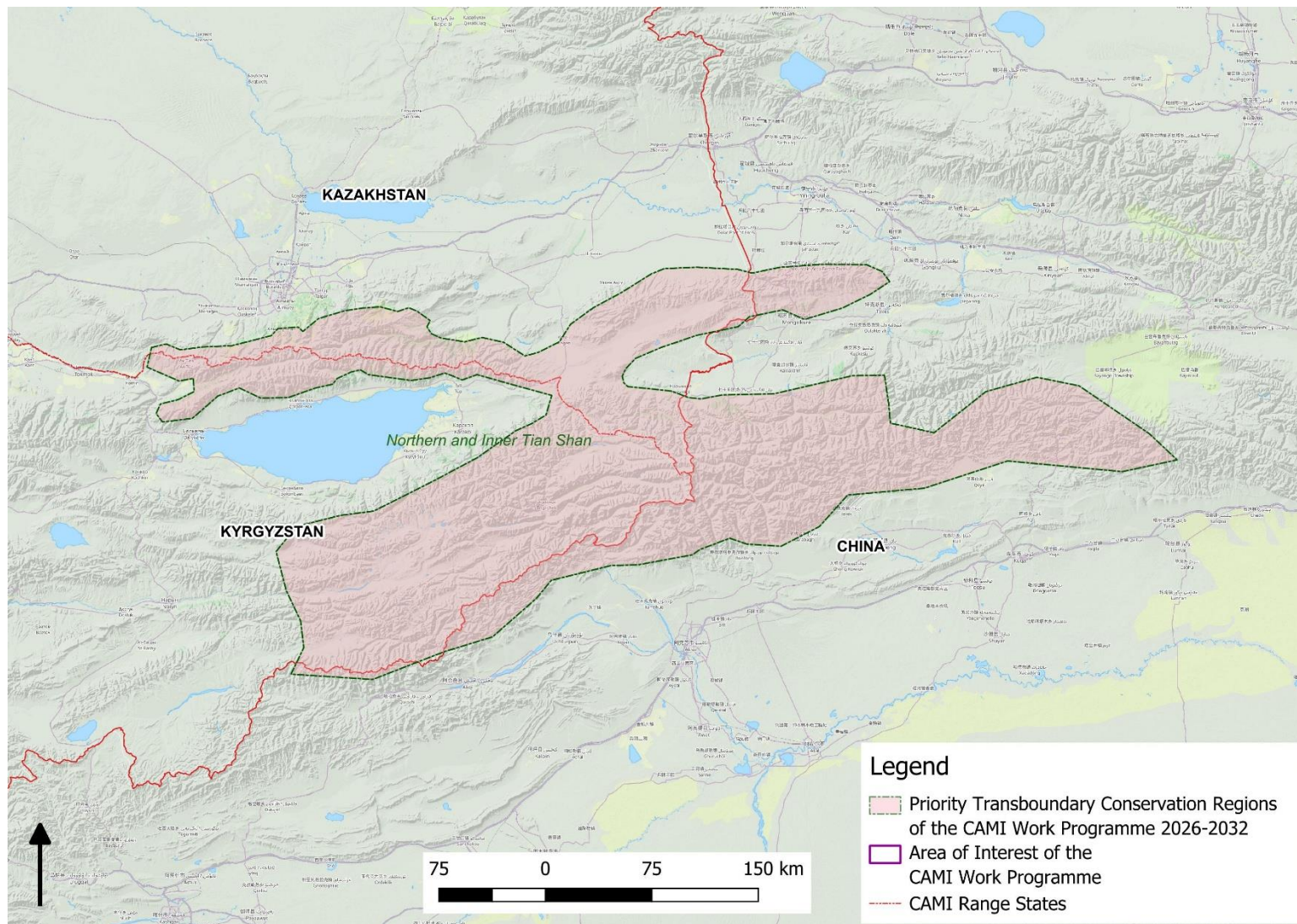


Figure 7. Priority Transboundary Conservation Region 7: Northern and Inner Tian Shan

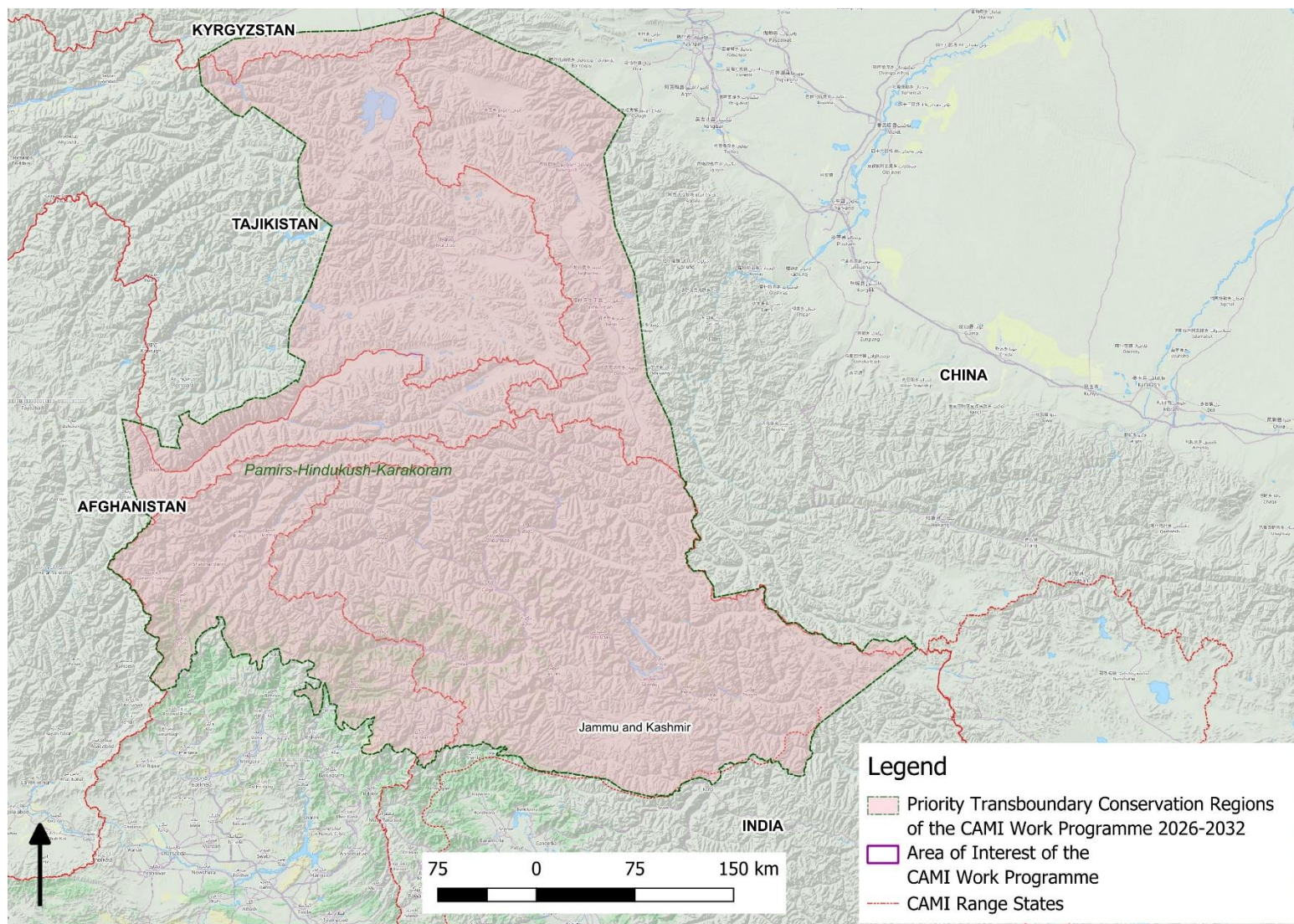


Figure 8. Priority Transboundary Conservation Region 8: Pamirs-Hindukush-Karakoram

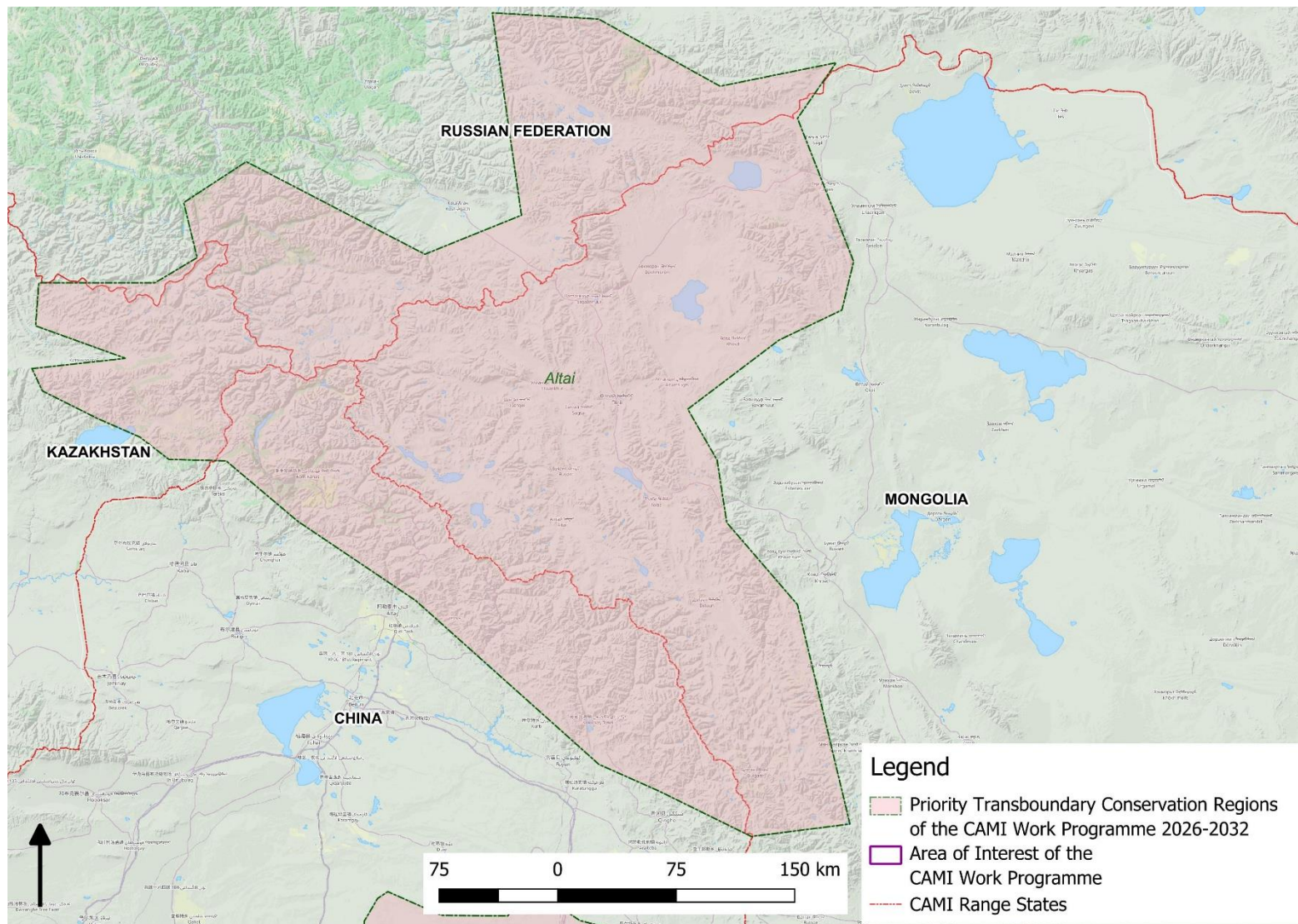


Figure 9. Priority Transboundary Conservation Region 9: Altai

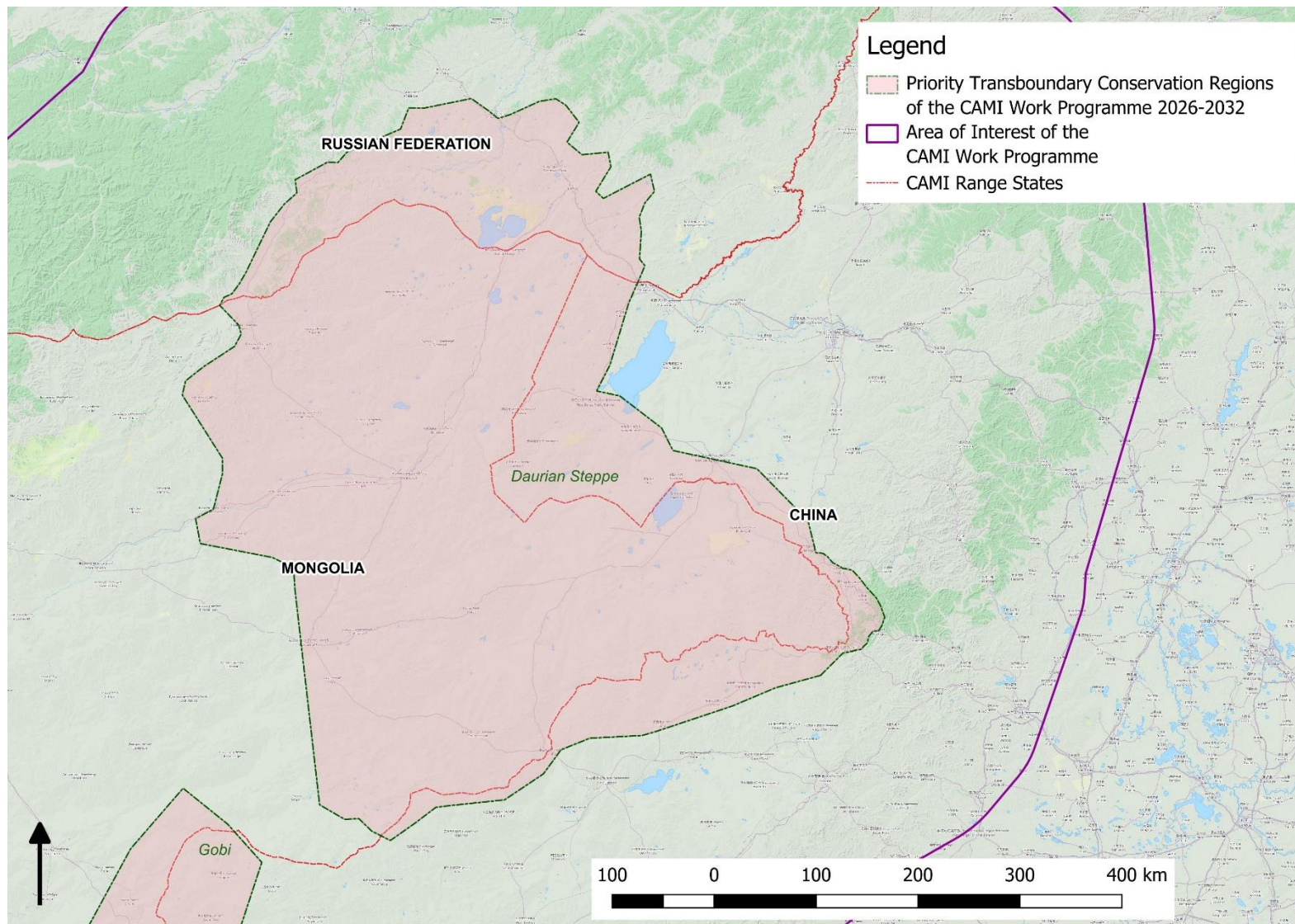


Figure 10. Priority Transboundary Conservation Region 10: Daurian Steppe

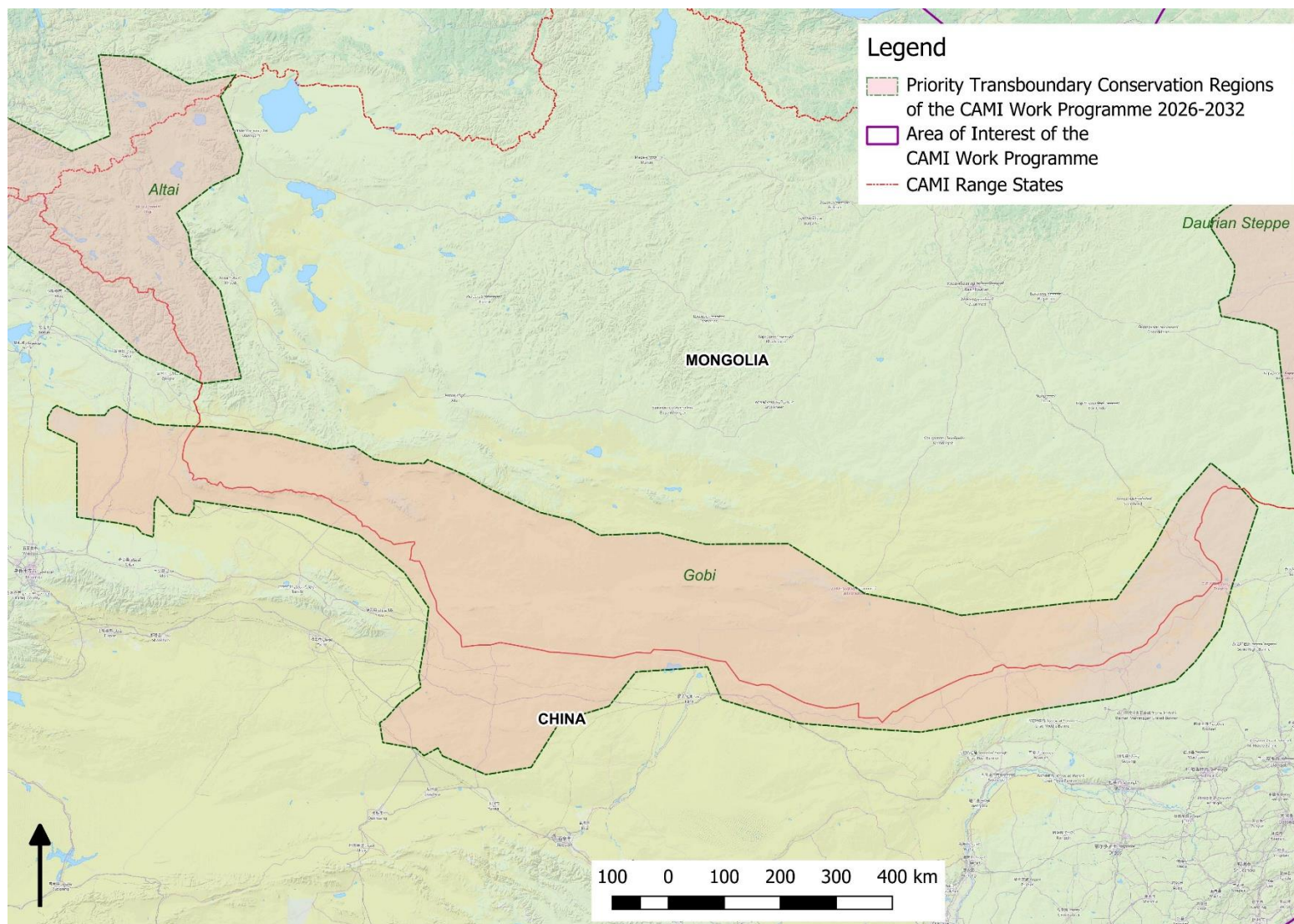
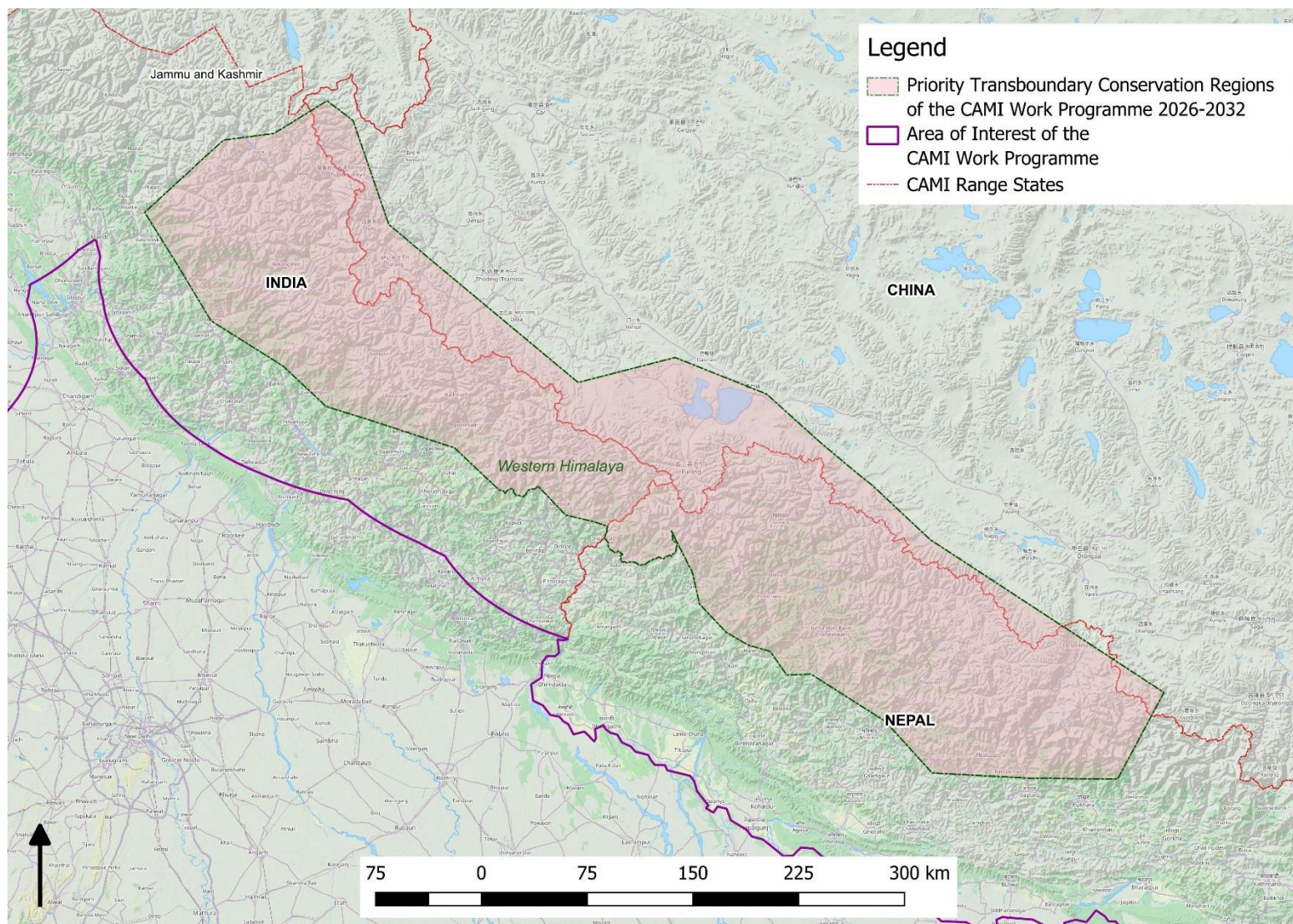


Figure 11. Priority Transboundary Conservation Region 11: Gobi



[Figure 12. Priority Transboundary Conservation Region 12: Western Himalaya]

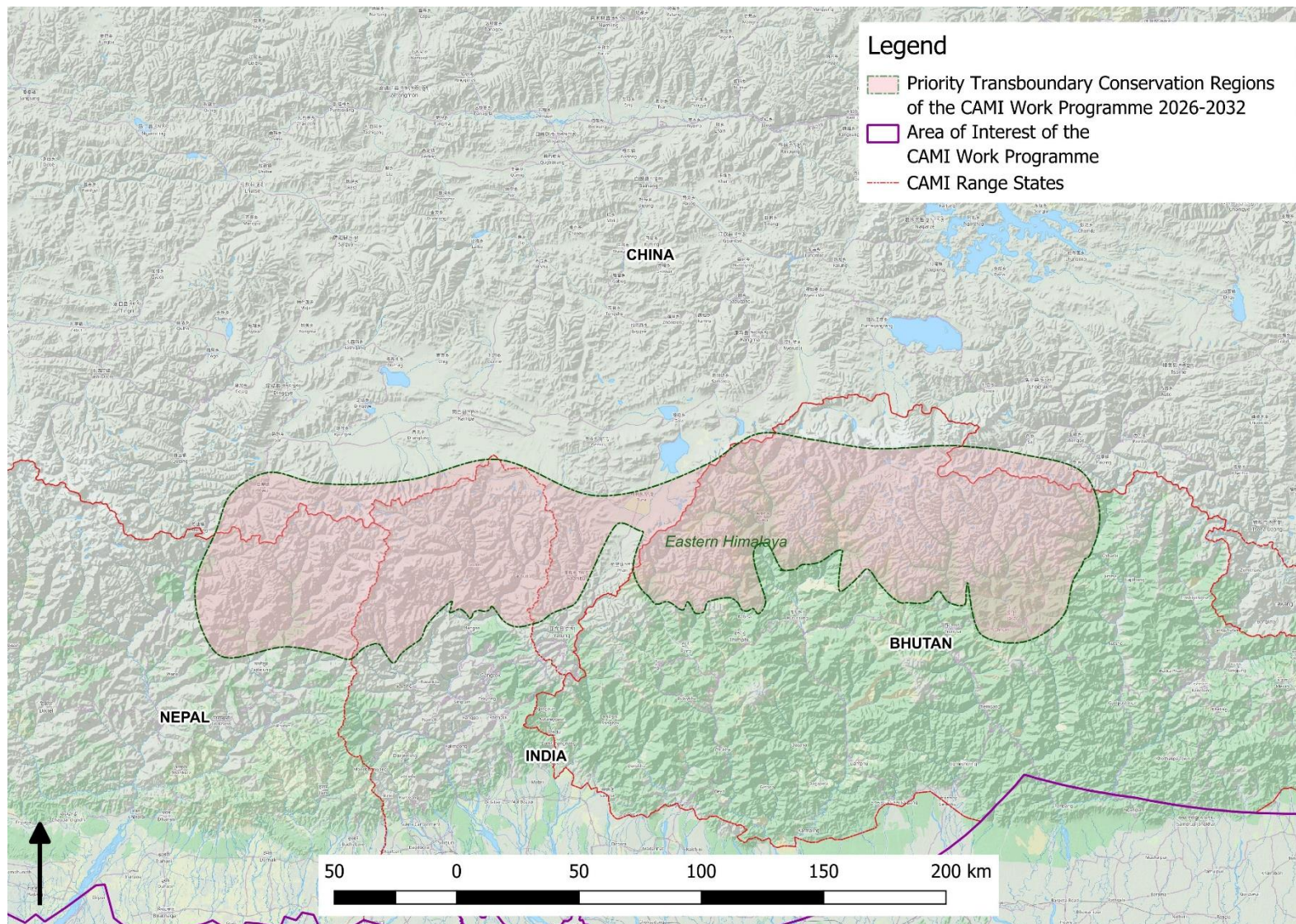


Figure 13. Priority Transboundary Conservation Region 13: Eastern Himalaya