

Contributions to saiga CMS MoU implementation through Altyn Dala Conservation Initiative

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Казахстанская ассоциация
сохранения биоразнообразия (АСБК)



Association for the Conservation of Biodiversity of Kazakhstan



ACBK and CMS



- In 2010 ACBK signed saiga MoU
- Since 2010 together with SCA engaged in MoU coordination
- ACBK supports the implementation of the MTIWP through the ADCI (since 2016 including all saiga projects at ACBK)
- Support for Central Asian Mammals Initiative
- Support of the distribution of Guidelines for Addressing the Impact of Linear Infrastructure on Large Migratory Mammals in Central Asia (translation)



The Altyn Dala Conservation Initiative (ADCI)

Purpose: To conserve and restore the unique ecosystems of the ADCI area, covering the historical range of the Betpak–Dala, Ustyurt and Ural saiga antelope populations

O u t c o m e s

All levels of society in Kazakhstan and beyond value the steppe, semi-desert and desert ecosystems, are aware of the threats facing them and are enabled to support their protection.

A network of ecologically representative steppe, semi-desert and desert protected areas is established, managed effectively.

The ecological connectivity of the steppe, semi-desert and desert ecosystems is secure.

The historical assemblage of species in steppe, semi-desert and desert ecosystems is reestablished.

Sufficient knowledge of the ecology and socioeconomics of steppe, semi-desert and desert ecosystems exists to inform effective conservation.

Education / Awareness raising



Information campaign on illegal horn trade



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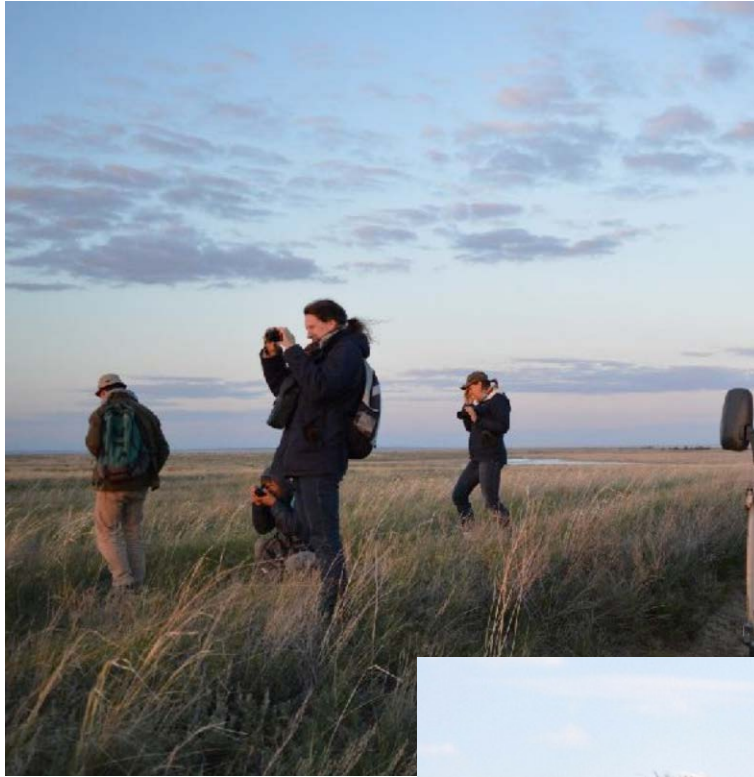
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Ecological Park

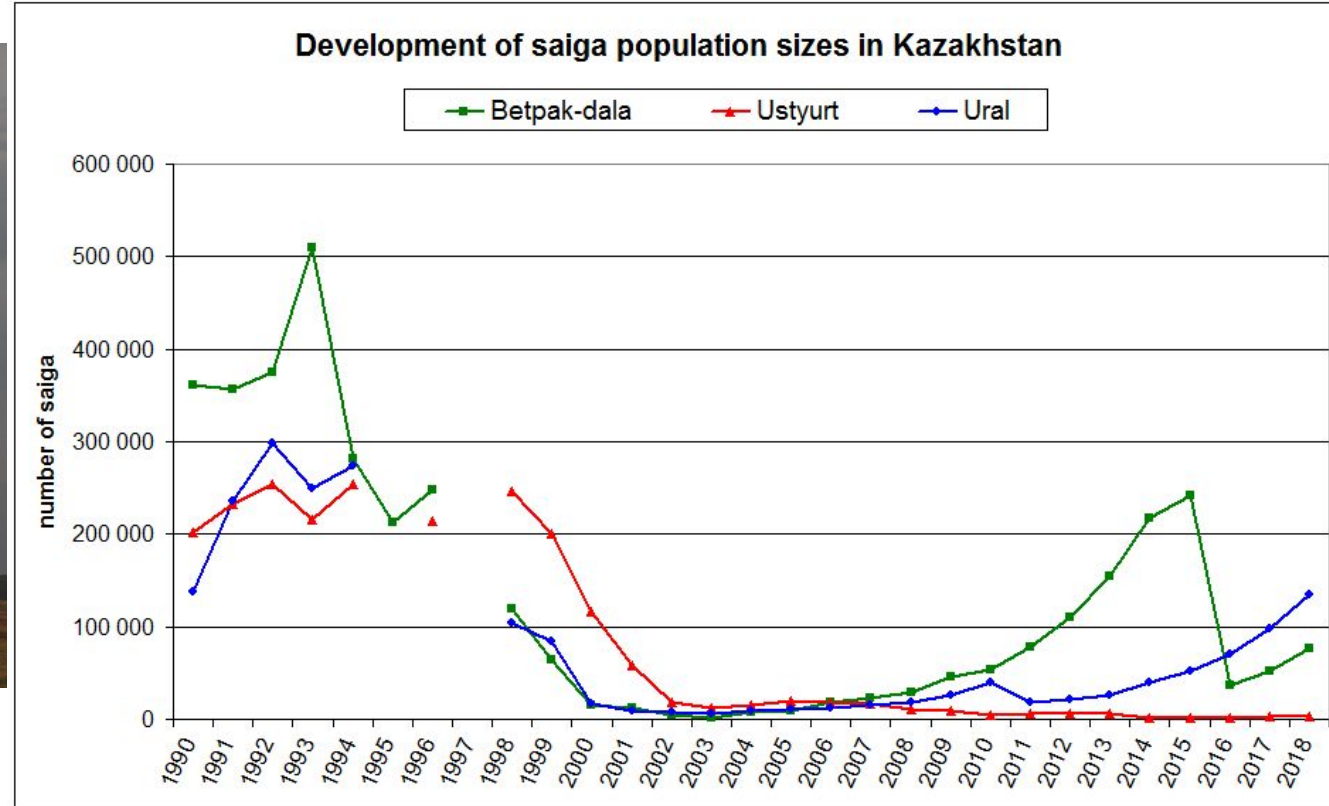
- Covering part of ecological corridor between two PAs
- Rangers patrolling regularly, working with local people
- 10 new species of birds were founded for Ecological park (overall 231 species – 34 red list species).
- Support received through SCA grant



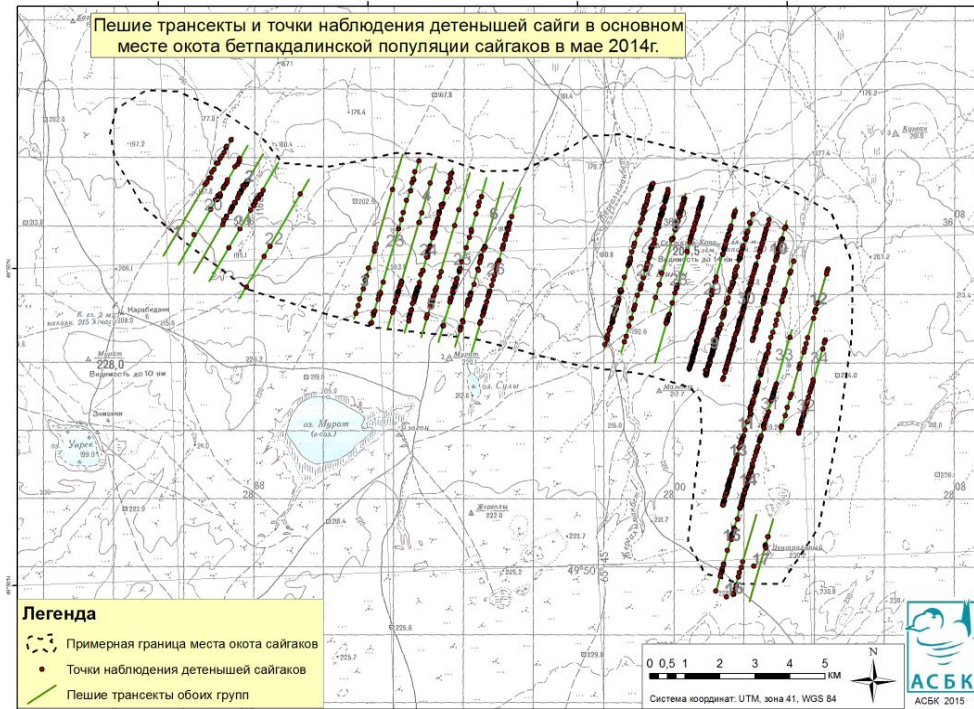
Developing ecological tourism



Annual aerial survey



Ground monitoring (1)



Ground monitoring (2)

Saiga rut (2017)

- Betpak-Dala: 11830 saiga observed, of which 557 males (m:f = 1:20.2 = 5%)
- Ustyurt: 1158 saiga observed, of which 59 males (m:f = 1:18.6 = 5.4%)

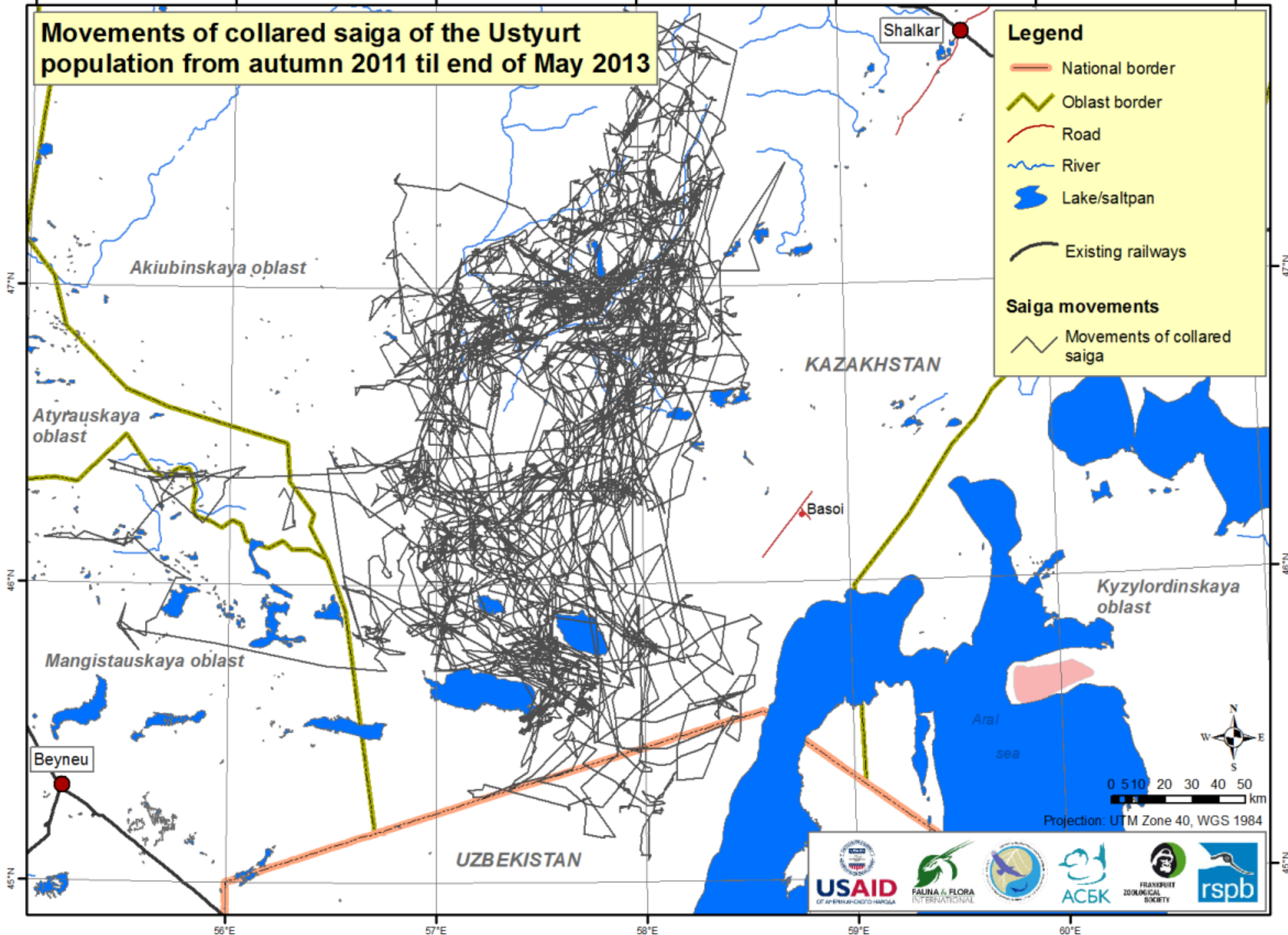


Saiga telemetry

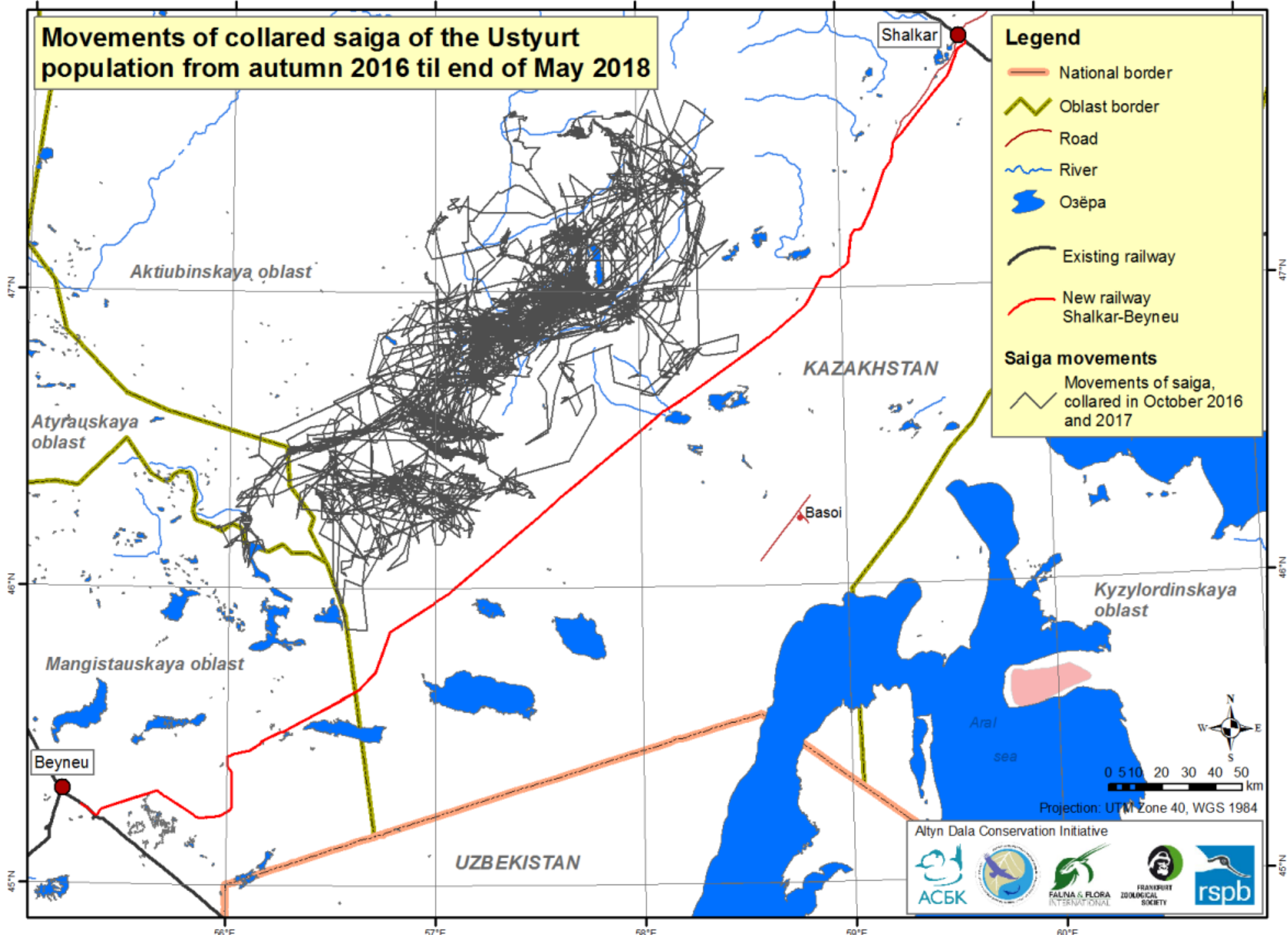
	2015	2016	2017	2018
Ural	2	7	22	No permission
Ustyurt		5	11	
Betpak-Dala	2		14	



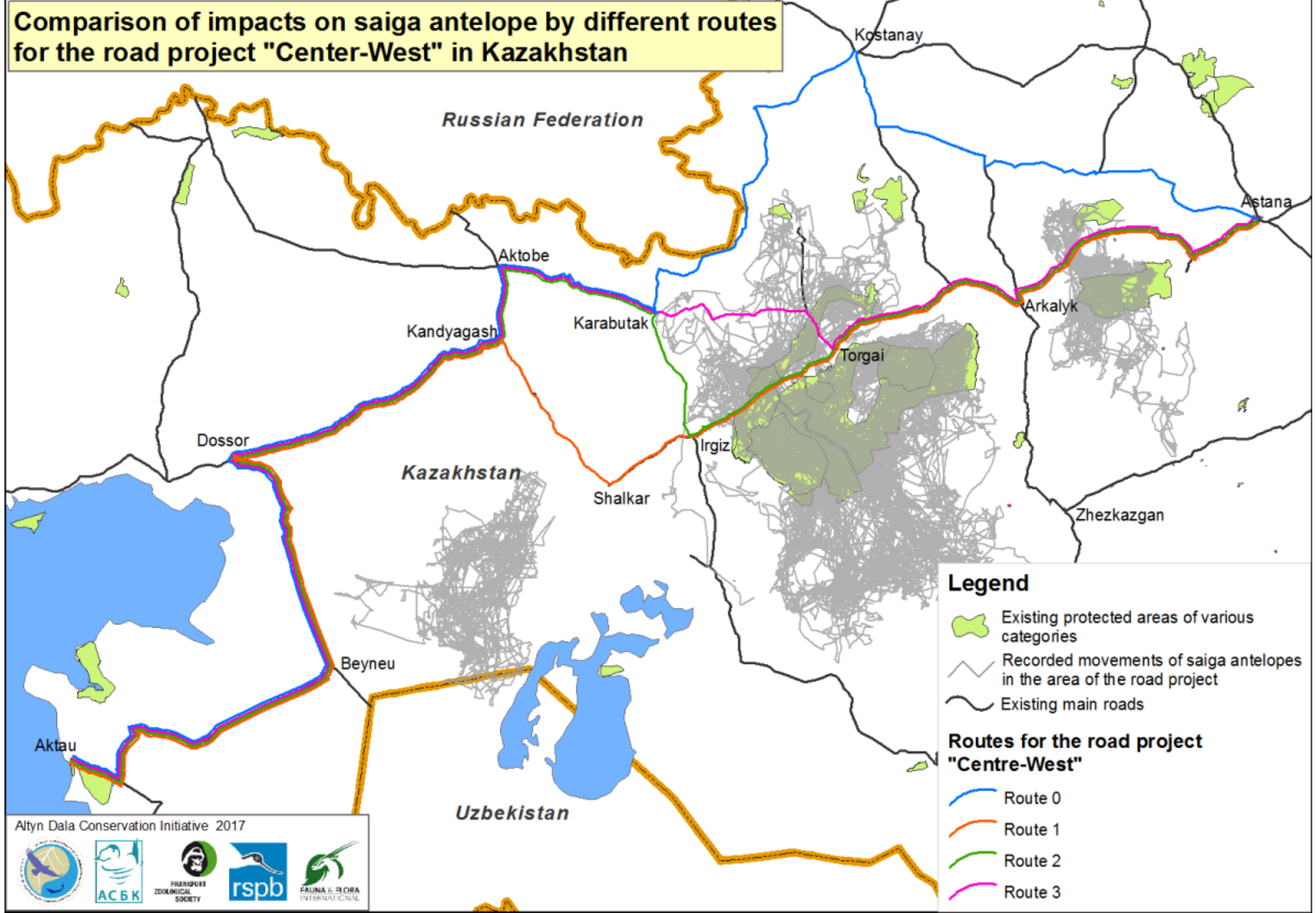
Movements of collared saiga of the Ustyurt population from autumn 2011 til end of May 2013



Movements of collared saiga of the Ustyurt population from autumn 2016 til end of May 2018



Comparison of impacts on saiga antelope by different routes for the road project "Center-West" in Kazakhstan



Legend

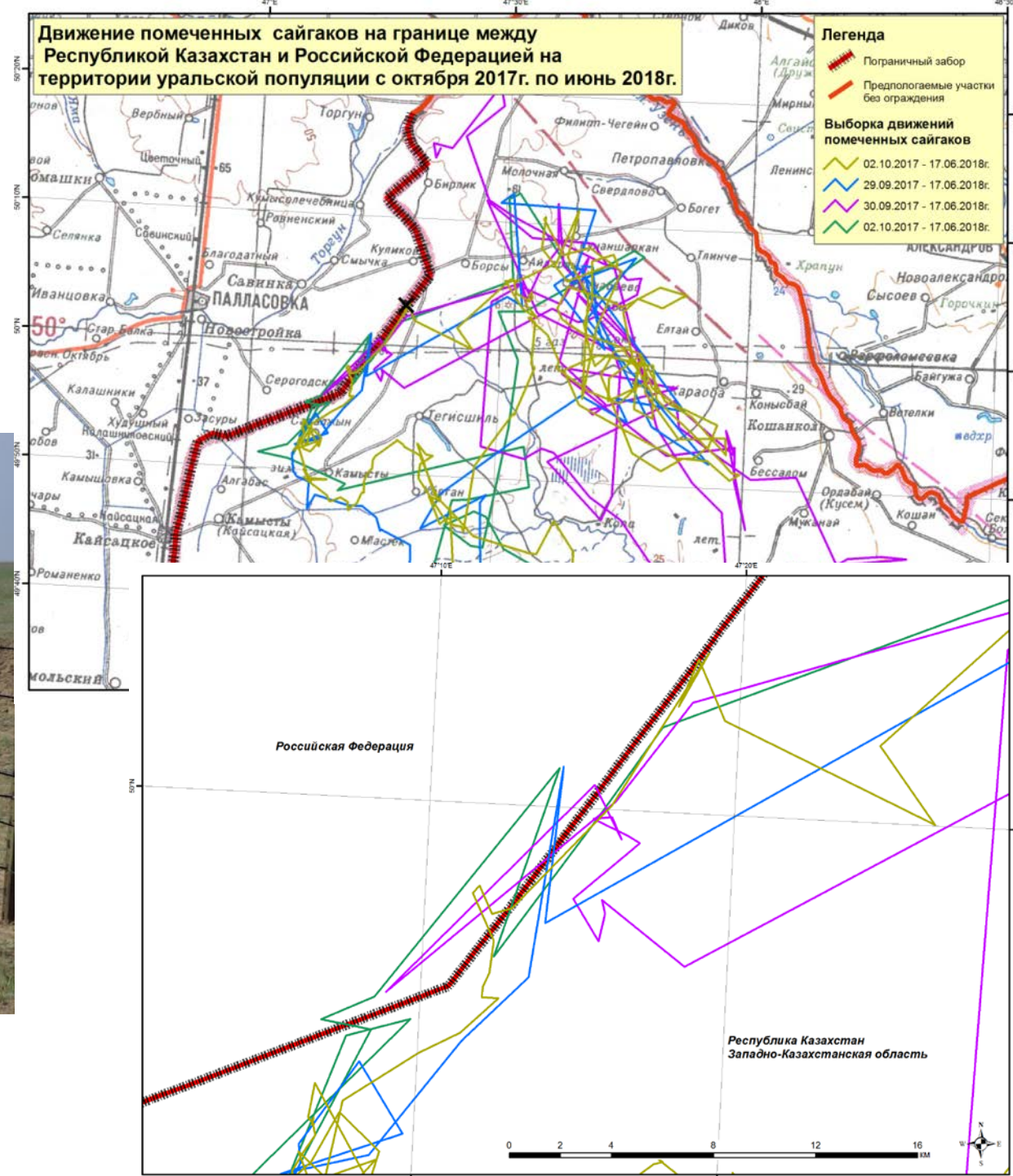
- Existing protected areas of various categories
- Recorded movements of saiga antelopes in the area of the road project
- Existing main roads

Routes for the road project "Centre-West"

- Route 0
- Route 1
- Route 2
- Route 3



Fence at Russian border



Disease research



- Hemorrhagic septicemia

SCIENCE ADVANCES | RESEARCH ARTICLE

ENVIRONMENTAL STUDIES

Saigas on the brink: Multidisciplinary analysis of the factors influencing mass mortality events

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Thank you for your attention!

