

Challenges



The snow leopard is listed in the Red Book as an endangered species

190 individuals

Approximate population in Kazakhstan

Threats: poaching, climate change, human activity

It is becoming increasingly difficult for snow leopards to find peaceful places in the mountains: new roads, ski resorts, and industrial facilities are pushing them out of their natural habitats

Background Labor-intensive traditional monitoring methods based on camera traps, which can generate up to 40,000 images from a single camera

Reviewing such a volume of photos manually can take weeks

Target audiences of the project

Government

Governmental and non-governmental organizations in the field of ecology



Scientific Community

Ecologists and wildlife conservation specialists, students of technical disciplines



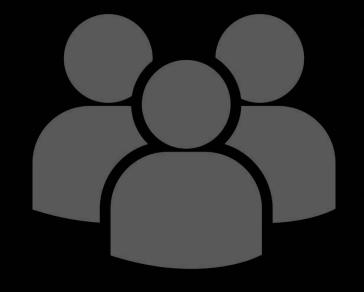
Business

Companies involved in solving socially significant issues or engaged in greening initiatives



General public

Those interested in nature conservation



Goals and Objectives

Project Goals >

- Create an innovative tool for monitoring the snow leopard population
- Invite collaboration on projects aimed at solving other socially significant issues

Project Objectives >>

- Develop and train a neural network to process data from camera traps
- Train the neural network to identify snow leopards in photos, distinguish them from other animals, and recognize individual leopards

PR Support Goals >

- Draw public attention to the issues and methods of preserving rare species
- Promote the idea that technology can help solve complex, socially important problems

PR Support Objectives >

Organize a comprehensive PR campaign for the project, covering all target audiences

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Communication Strategy

- Informing and engaging the target audience through classic PR tools
- Engaging the audience through creative formats
- Spreading knowledge about the project through the Yandex Cloud ecosystem and partners

Tactics, Creative Solutions

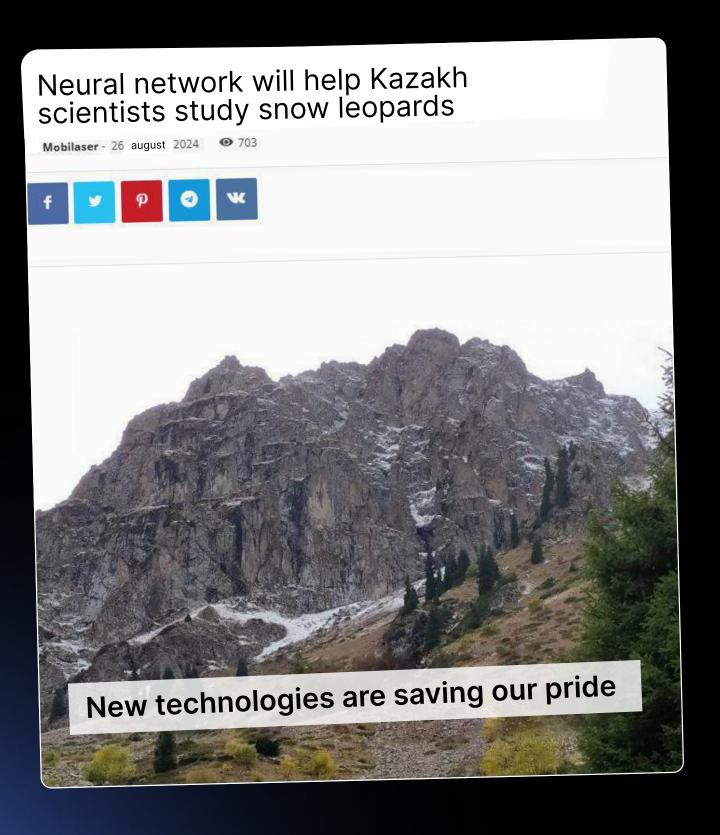
CLASSIC PR >

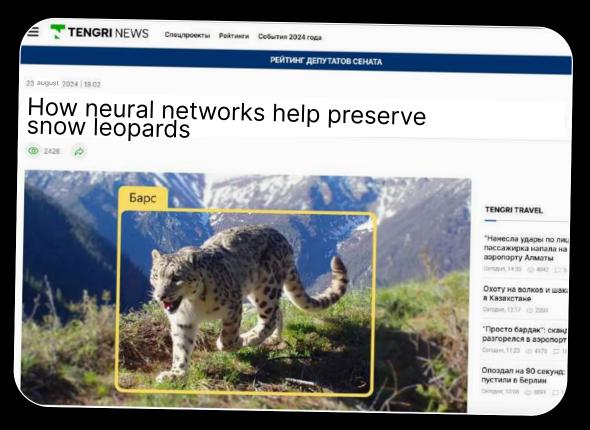
- Media support for the project in mass media and social networks
- Presentations at Yandex Scale Kazakhstan

CREATIVE ACTIVITIES >

- Collaboration with wellknown actor and influencer **Askar llyasov**
- Special project on the **Tengrinews platform**
 - Interactive stands at the IQ
- BBQ science & music festival in Almaty

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Practical Actions

Project Launch

Yandex Cloud experts became mentors for third-year students of the School of Information Technology and Engineering at KBTU. Together, they developed a method for processing data from camera traps



The Institute of Zoology of the Republic of Kazakhstan and the Snow Leopard Foundation joined the project. Through joint efforts, the team created and trained a neural network using thousands of snow leopard images

PR Support for the Project

The PR and marketing team of Yandex Cloud developed a media plan that included communication channels and formats tailored to the project's target audiences, themes, and goals



All necessary materials were collected, and content was prepared for distribution across all selected channels in line with the media plan



Agreements were reached with all channels and offline venues, and PR activities were organized

Project Results

• An innovative tool was created for monitoring the snow leopard population.

The developed technology can also be used to study other animals, soil, air, and water

Before

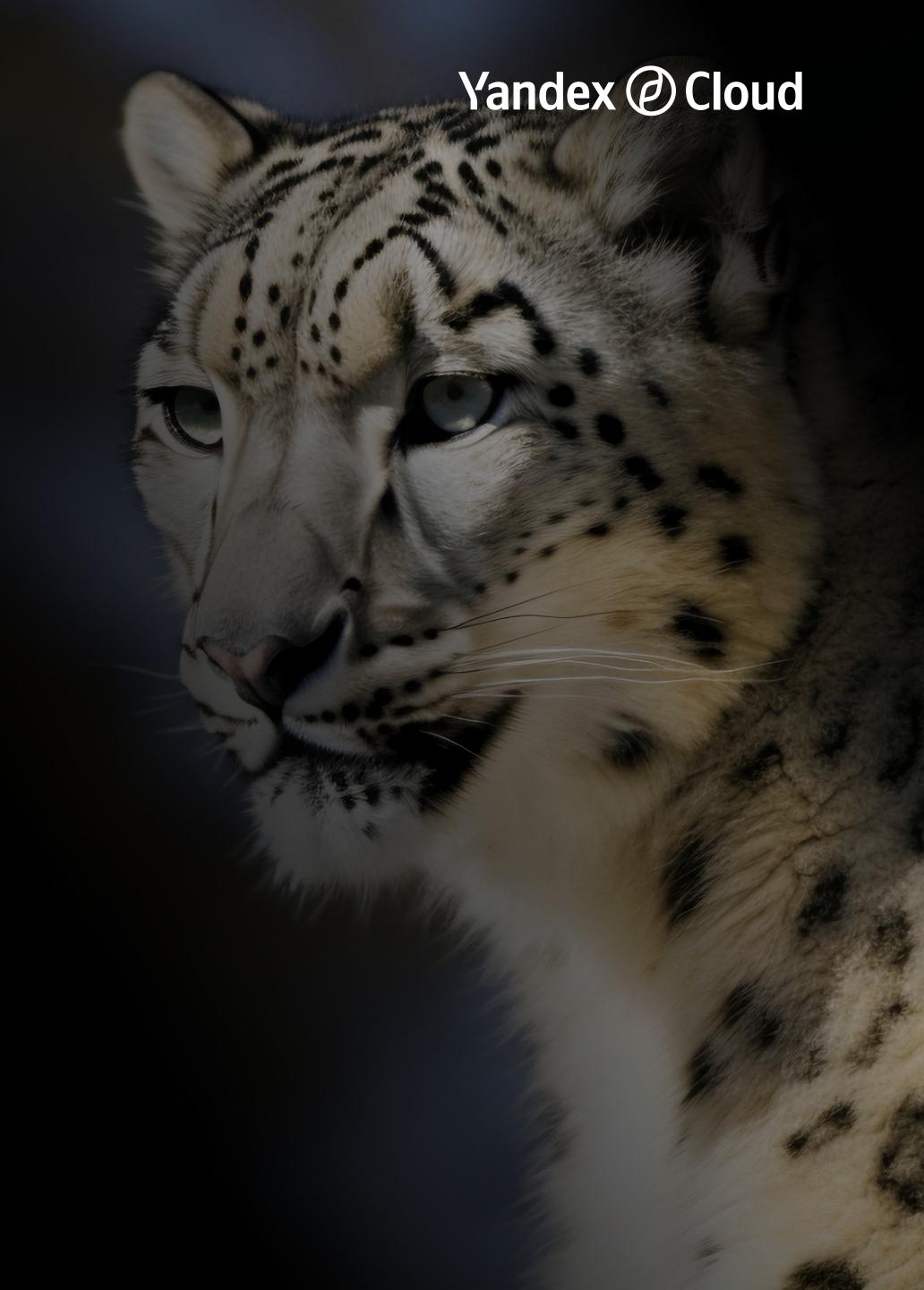
Manual processing of massive datasets from camera traps, which took weeks

Now

A neural network was introduced that, in just 1 hour, can review up to 8 million photos. It not only identifies snow leopards among other animals but also recognizes individual leopards — by fur pattern, body size, leg length, and other parameters

Within the project, a population

 of 20 previously unrecorded snow leopards was discovered in the Altyn-Emel National Park



Project PR Support Results

A comprehensive PR campaign was
 organized to reach out to all target audiences

- 65 publications in major media outlets and social networks in Kazakhstan, reaching **over 61 million people**
- Collaboration with Askar Ilyasov (52,000 people reached)
- Offline coverage: 6,000 guests at the IQ BBQ Festival, 400 guests at Yandex Scale

61.9 million people

total PR reach

25+ partnership requests

received from organizations

Project budget

4.5 million rubles

across all

channels

