

МИНИСТЕРСТВО ПРИРОДНЫХ
РЕСУРСОВ И ЭКОЛОГИИ
РОССИЙСКОЙ ФЕДЕРАЦИИ

Amur leopard and Amur tiger monitoring in Transboundary region

Ms. Taisiia V. Marchenkova

Research scientist, FSBI "Land of the Leopard"

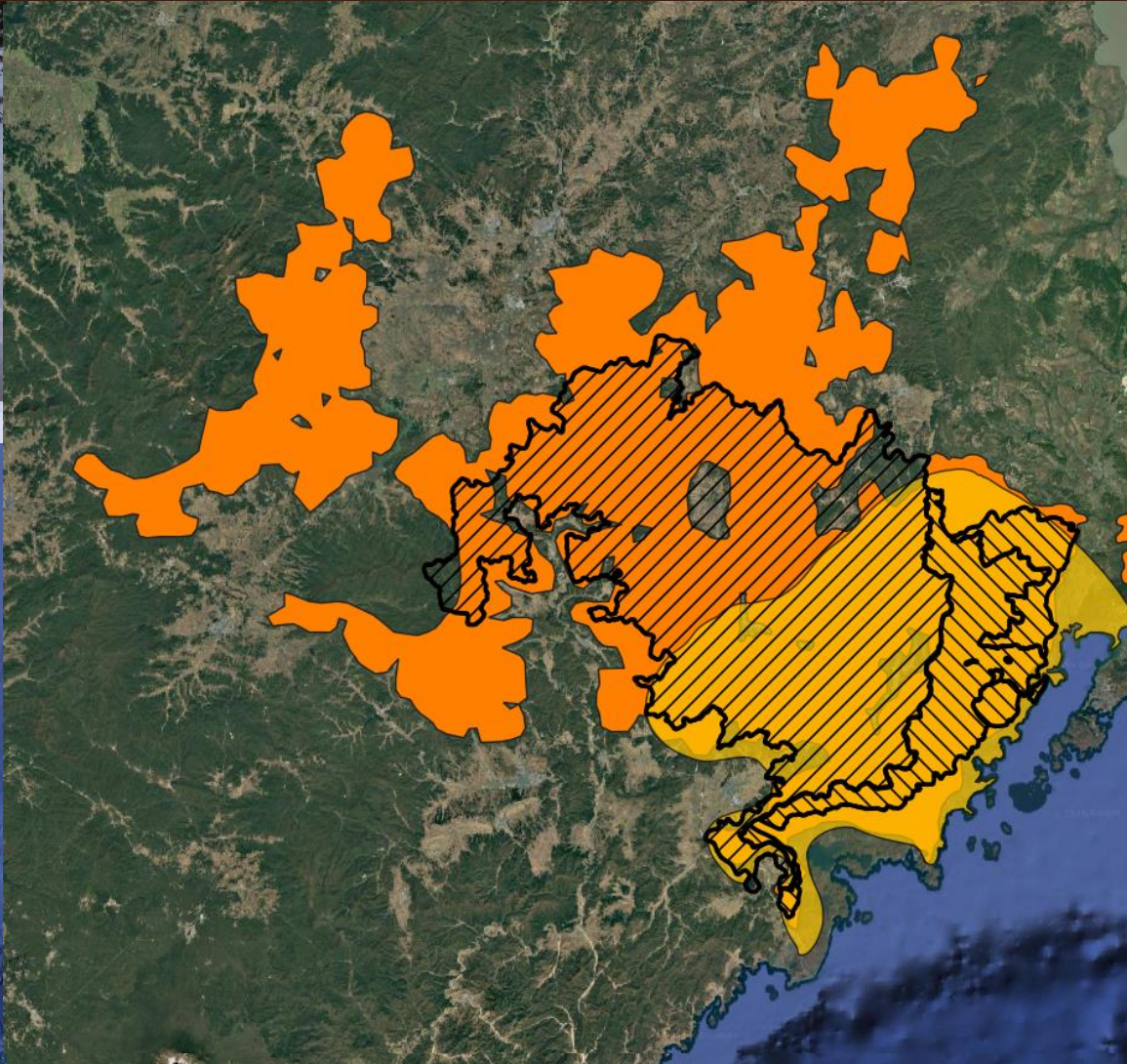
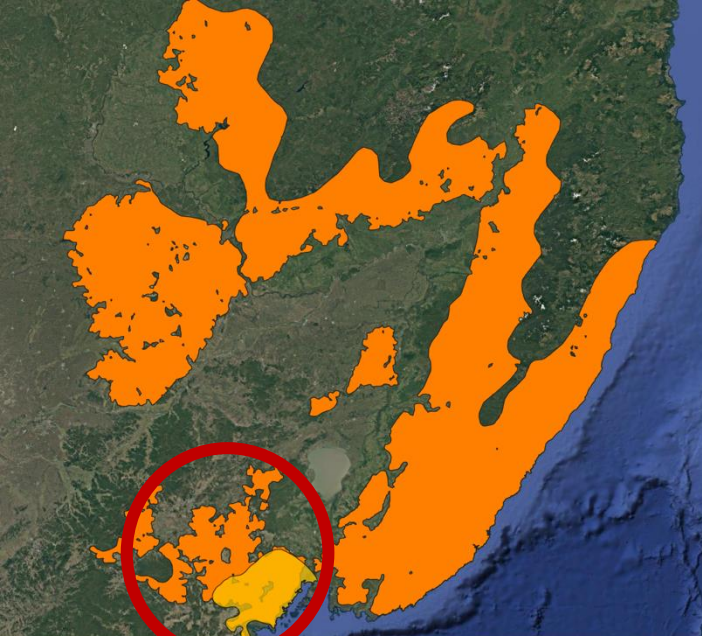
International Conference on Transboundary Conservation of the
Amur Leopard: Outcomes and Best Practices

21st May 2026

Photo: G. Yusin

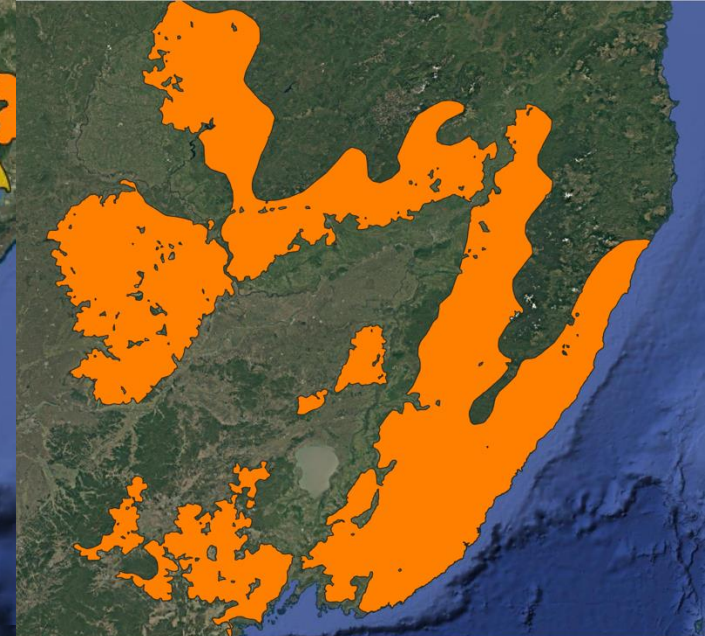
Amur leopard

*Panthera pardus
orientalis*

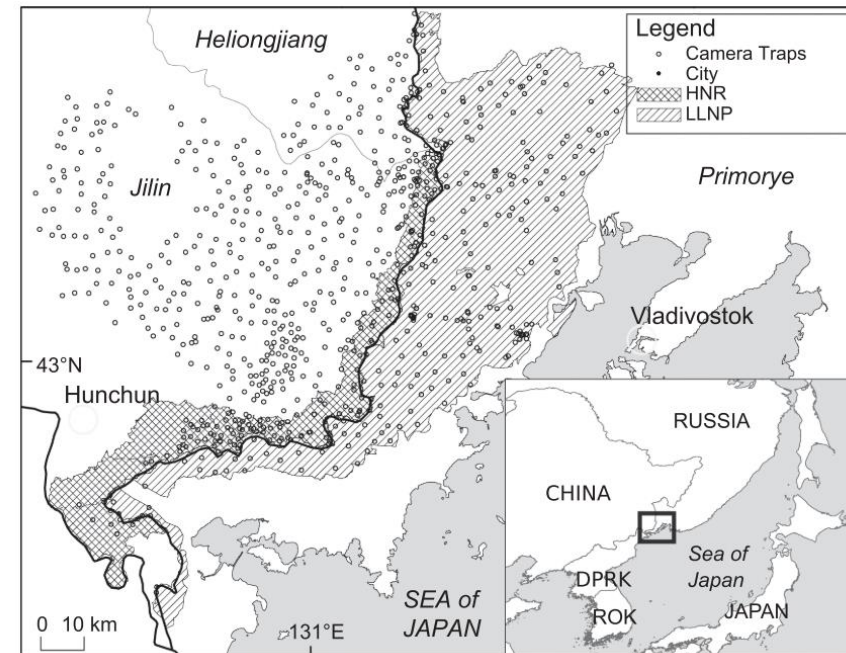
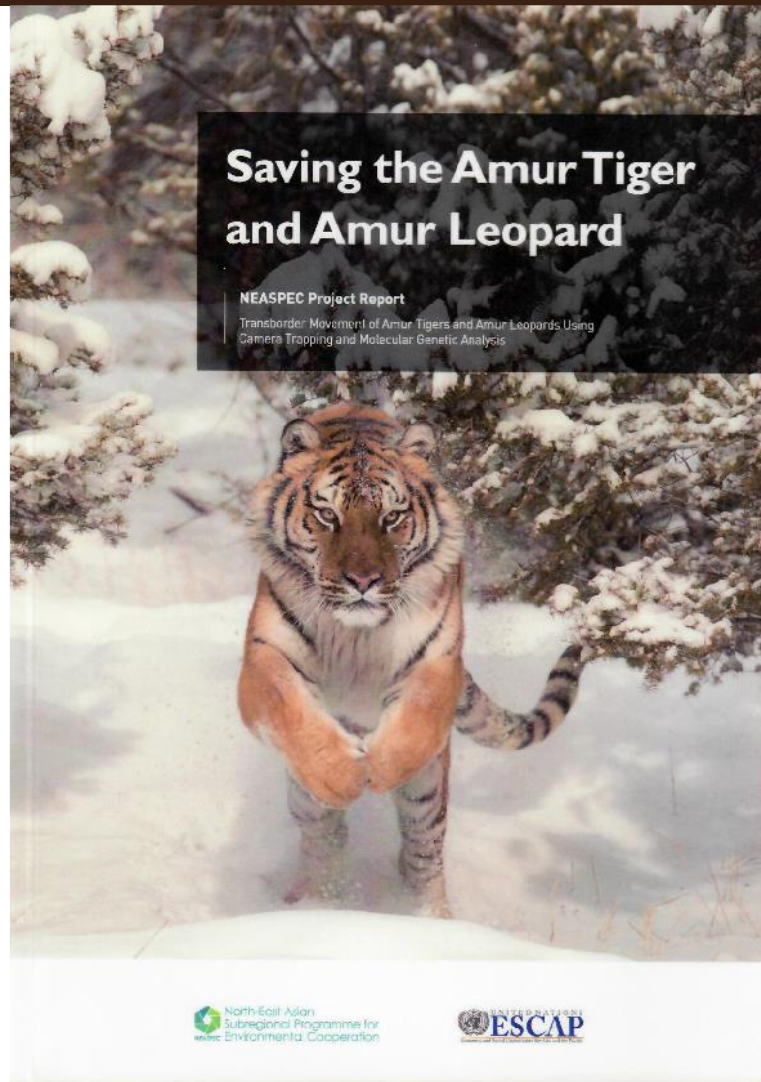


Amur tiger

*Panthera tigris
altaica*



First joint assessment 2014-2015



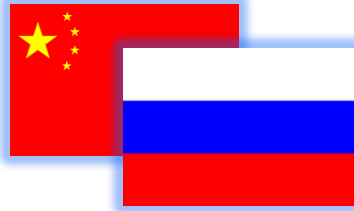
Vitkalova, A. V., Feng, L., Rybin, A. N., Gerber, B. D., Miquelle, D. G., Wang, T., ... & Ge, J. (2018). Transboundary cooperation improves endangered species monitoring and conservation actions: A case study of the global population of Amur leopards. *Conservation Letters*, 11(5), e12574.

First joint assessment 2014-2015



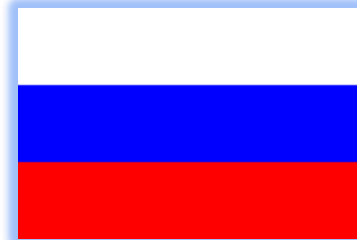
Resident
individuals

8



Transboundary
individuals

15



Resident
individuals

66

TOTAL

89

Amur leopard



Amur tiger

3

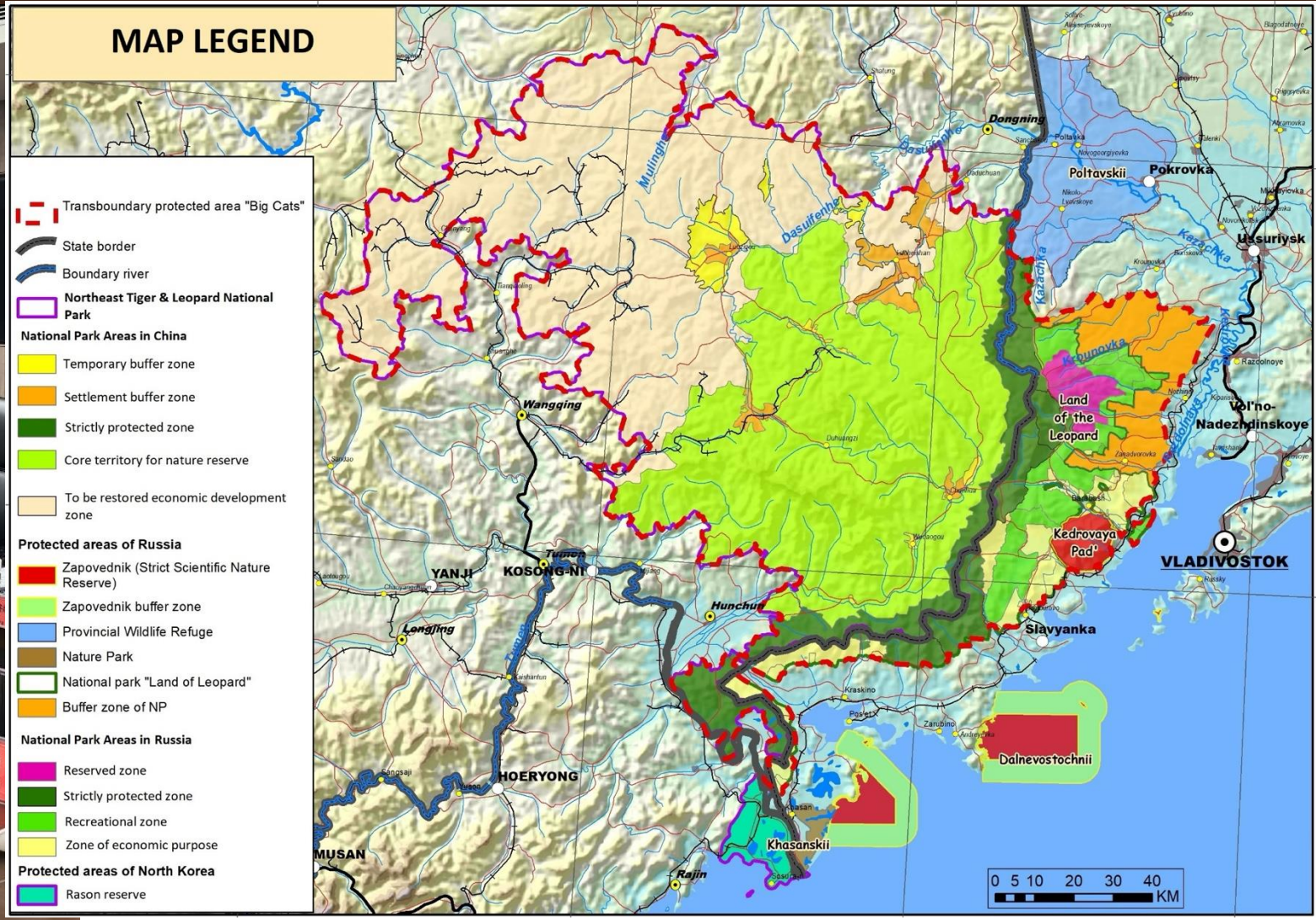
19

24

45



First joint assessment In the Land of Big Cats Transboundary reserve 2025



Process

Period: 1st January 2024 – 31st December 2024

Preparation of individual passports



Parallel identification of individuals



Cross-checking of results

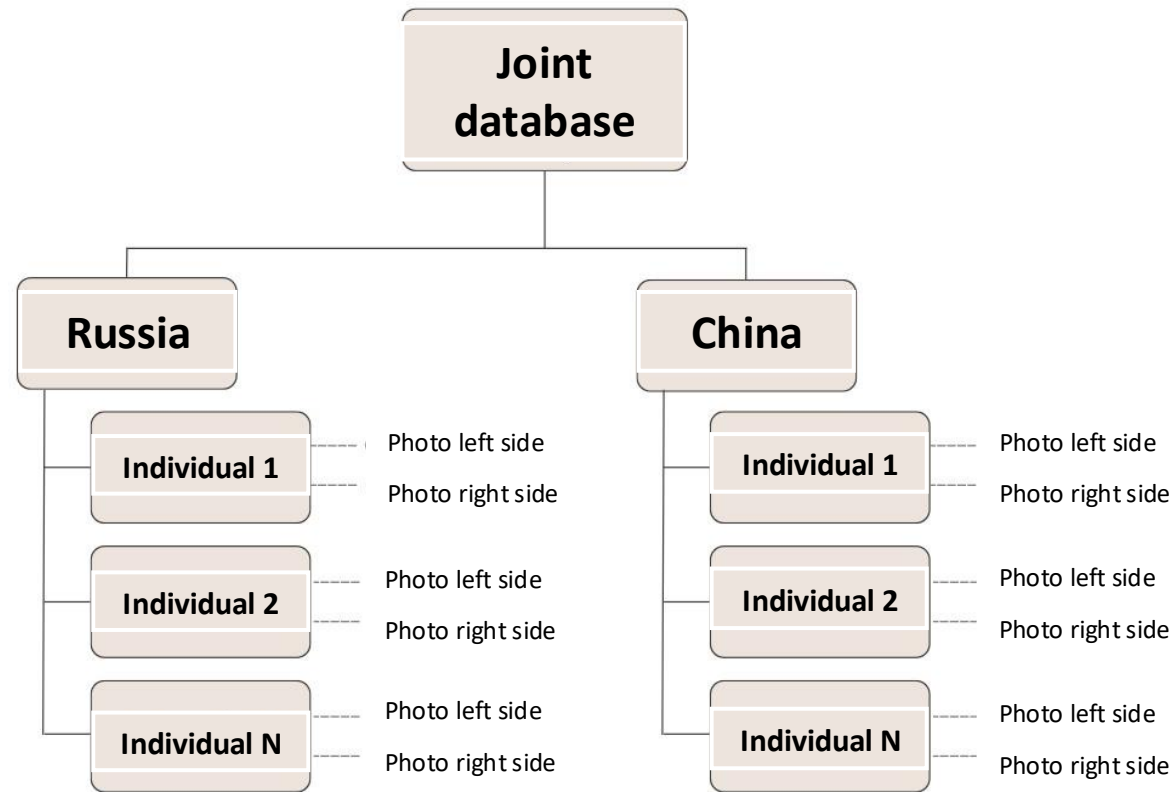


Joint database preparation

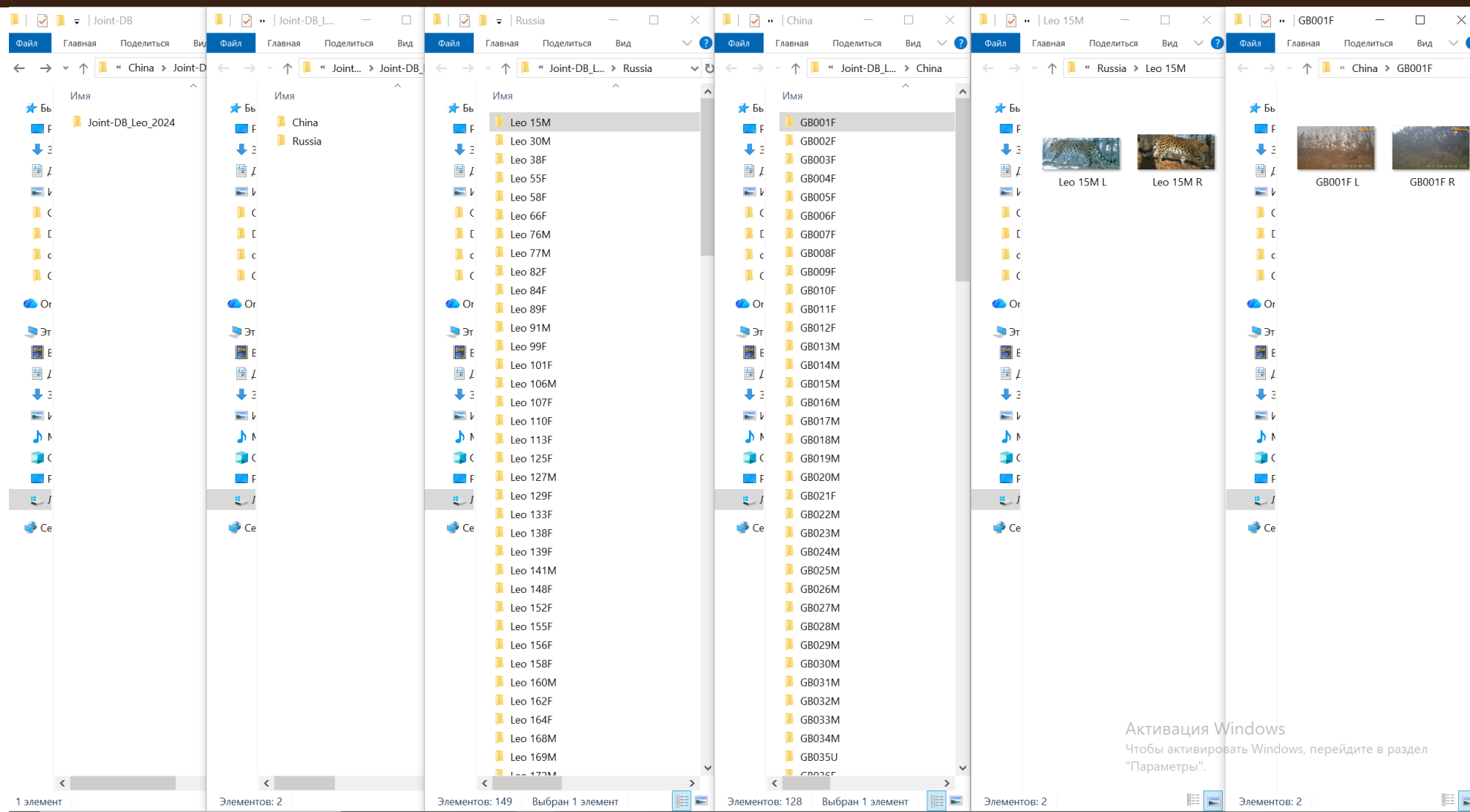


Summarization of results

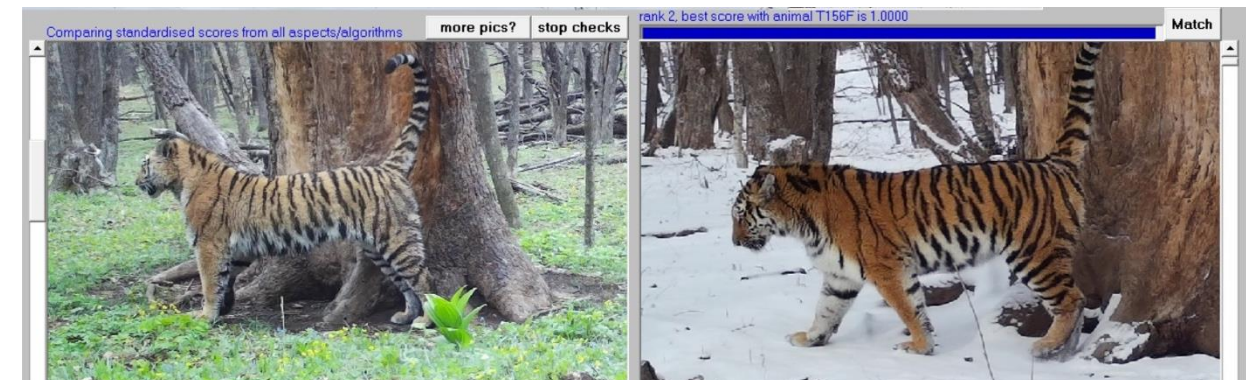
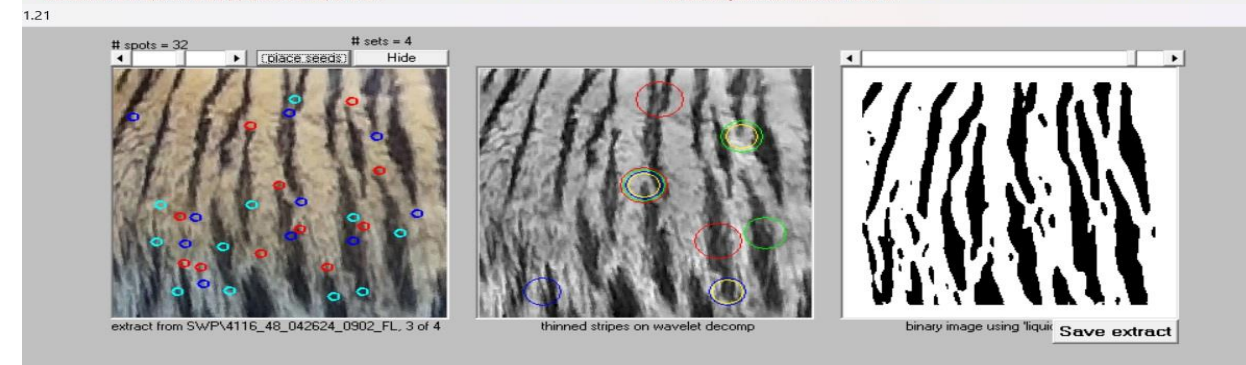
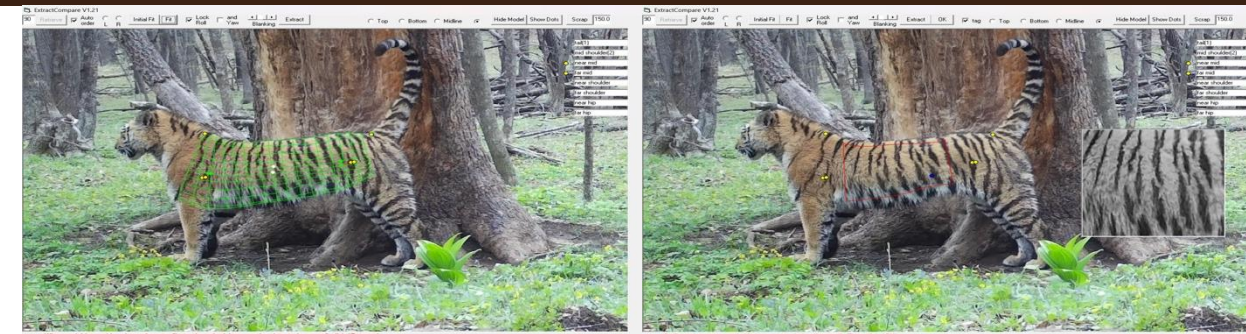
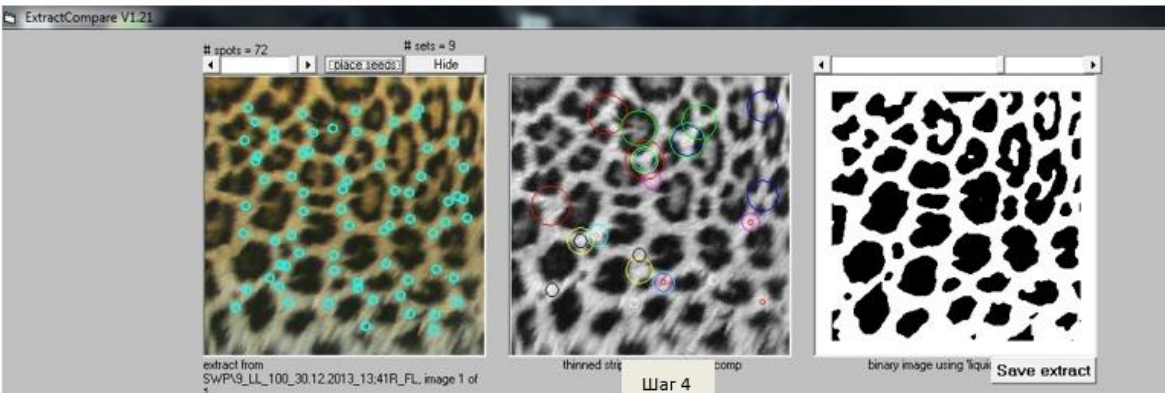
Preparation of individual passports



Preparation of individual passports



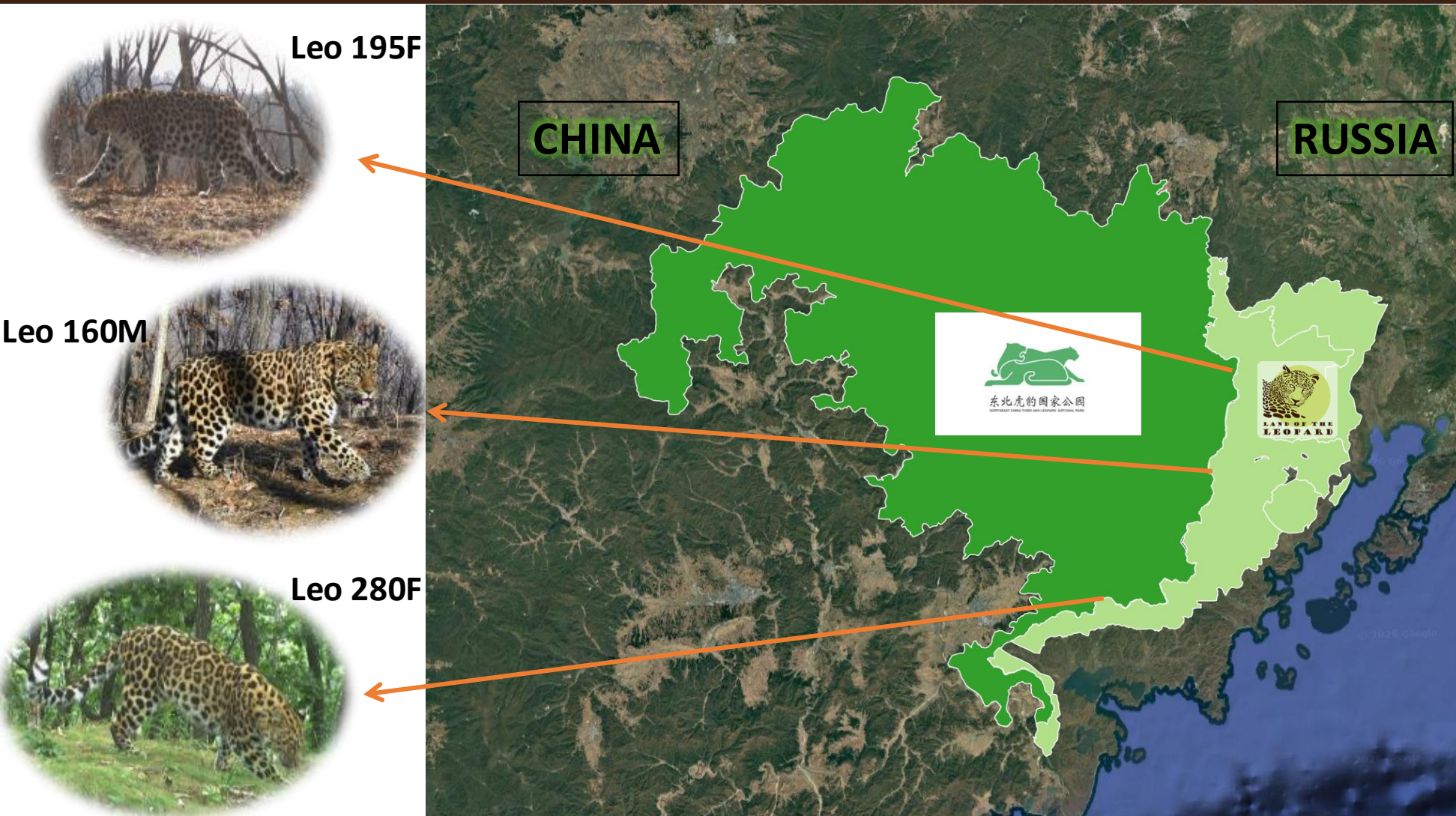
Individual identification



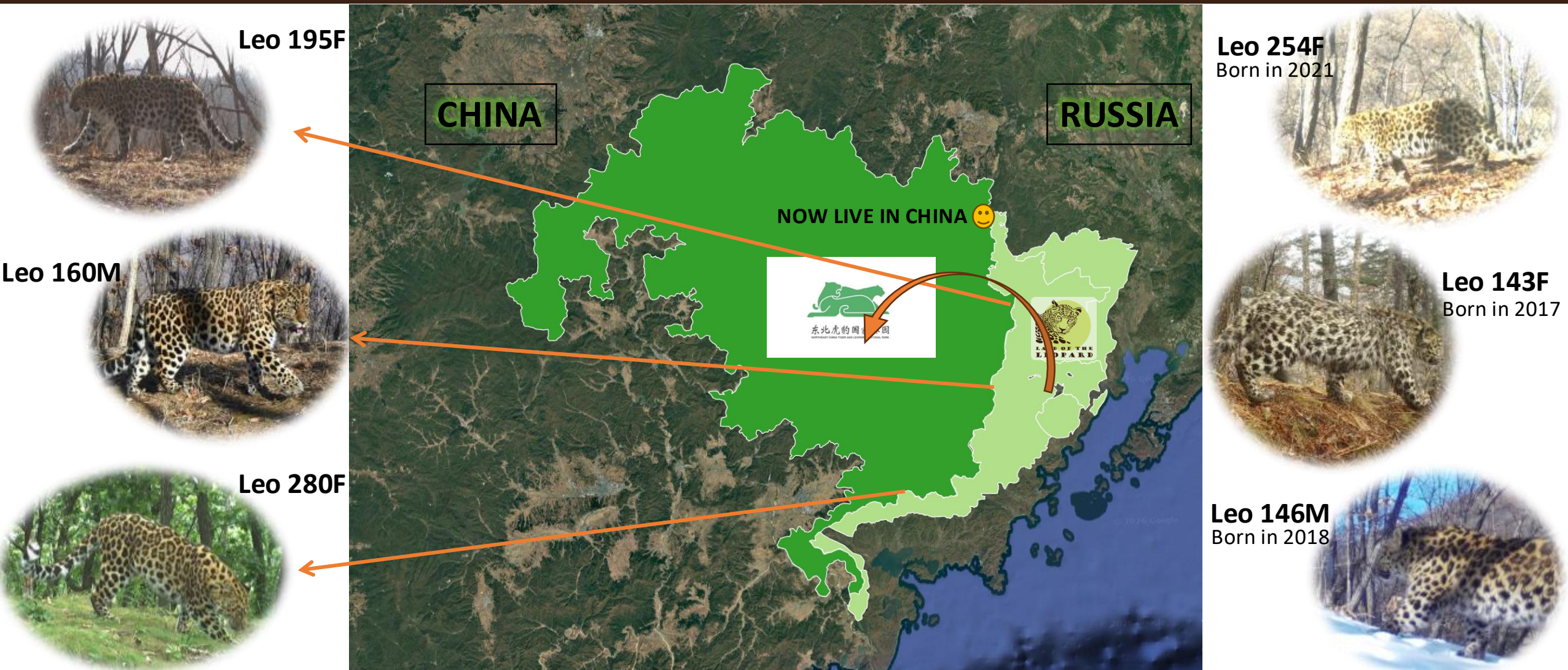
Cross-checking of results



Transboundary individuals



Transboundary individuals



Thanks for the attention!



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ПРЕЗИДЕНТСКИЙ
ФОНД
ПРИРОДЫ



东北虎豹国家公园
NORTHEAST CHINA TIGER AND LEOPARD NATIONAL PARK

