Coltesti| 26.11.2019

Monitoring of the BBA Lynx population within 3Lynx project

Martin Strnad| 3 Lynx Project

CE 1001 3LYNX

Lead Partner

- Ministry of the Environment of the Czech Republic

Project Partners

Czech Republic
- Nature Conservation Agency of the Czech Republic
- ALKA Wildlife o.p.s.
- Šumava National Park

Austria
- Research Institute of Wildlife Ecology, University of Veterinary Medicine, Vienna
- Green Heart of Europe
- Government of Upper Austria

Germany
- Bavarian Environmental Agency
- World Wide Fund for Nature Germany

Slovenia
- Slovenia Forest Service

Italy
- Italian Lynx Project

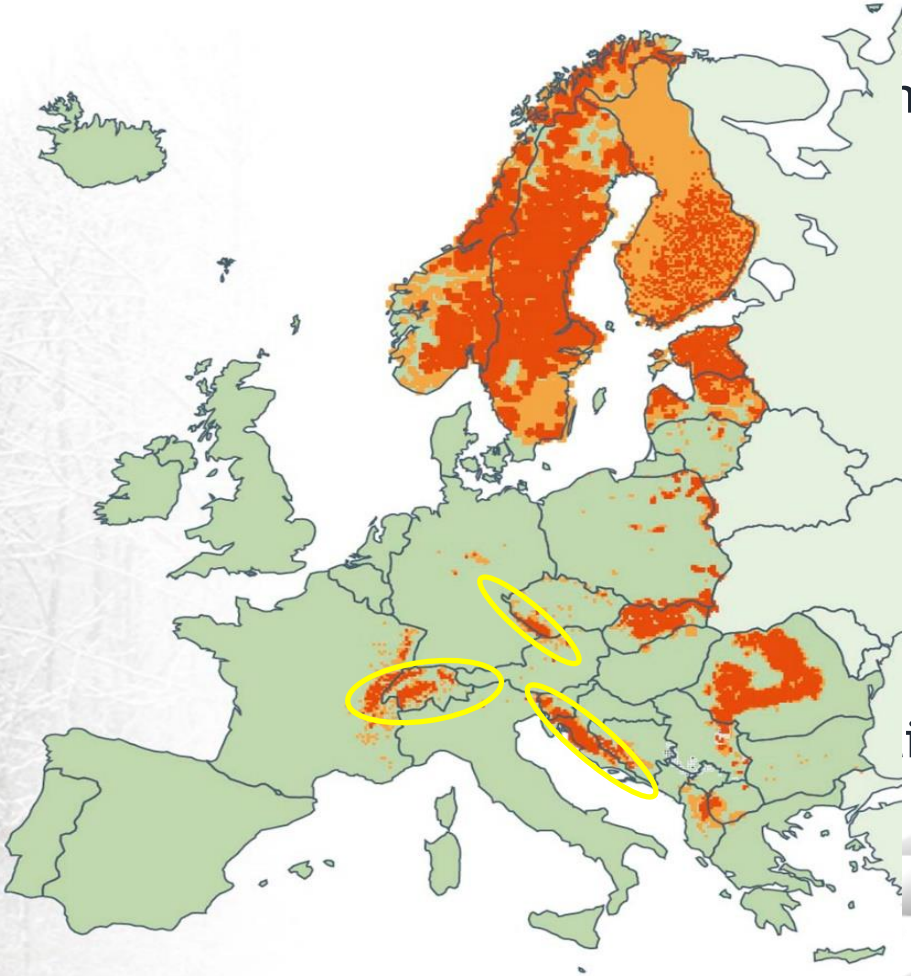
CE 1001 3LYNX (2017-2020)

Main goa

Integrati mmon strategy

Activitie

- exper
- imple
- involv
- long-t popul
- memo ion



CE 1001 3LYNX

Schedule

- Lynx monitoring (2017) 2018 – 2020
- Workshop on software tools for data sharing and analysis
- Transnational data sharing procedures (BBA)
- International Lynx day – each year 11.5.
- Conference on Lynx conservation working routines – Linz 3/2020
- Conference about Lynx protection and cooperation with stakeholders – Prague 5/2020
- MoU for BBA population – 4/2020

WHY LYNX MONITORING?

Monitoring data are the base for decisions on the preservation and management of the species

- Good management needs good data
- Improvement of data quality: precise, reliable, verified data

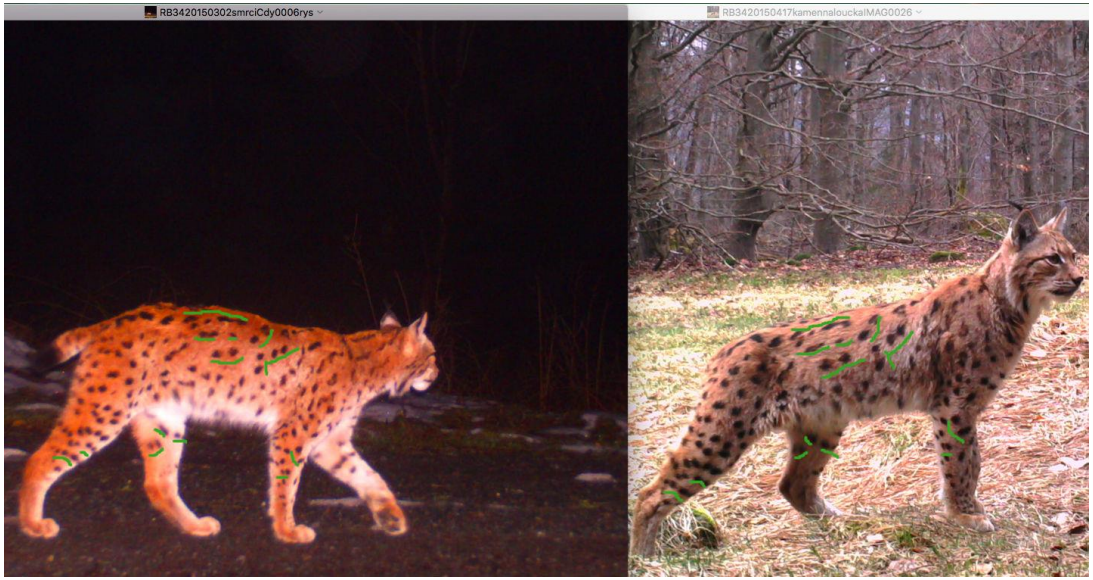
Goal: Transnational Lynx Conservation Strategy on population level

3 LYNX MONITORING

Implementation of monitoring

1.1.2018 - 30.6.2020

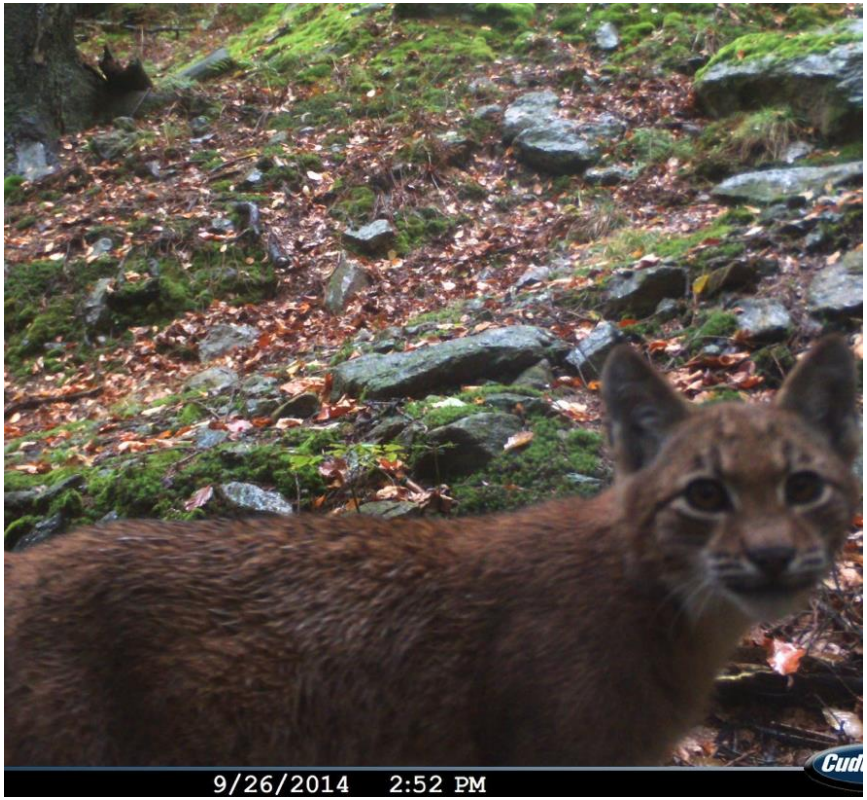
BBA PILOT LYNX MONITORING IMPLEMENTATION PLAN WAS SIGNED BY ALL PARTNERS



3 LYNX MONITORING

Methods

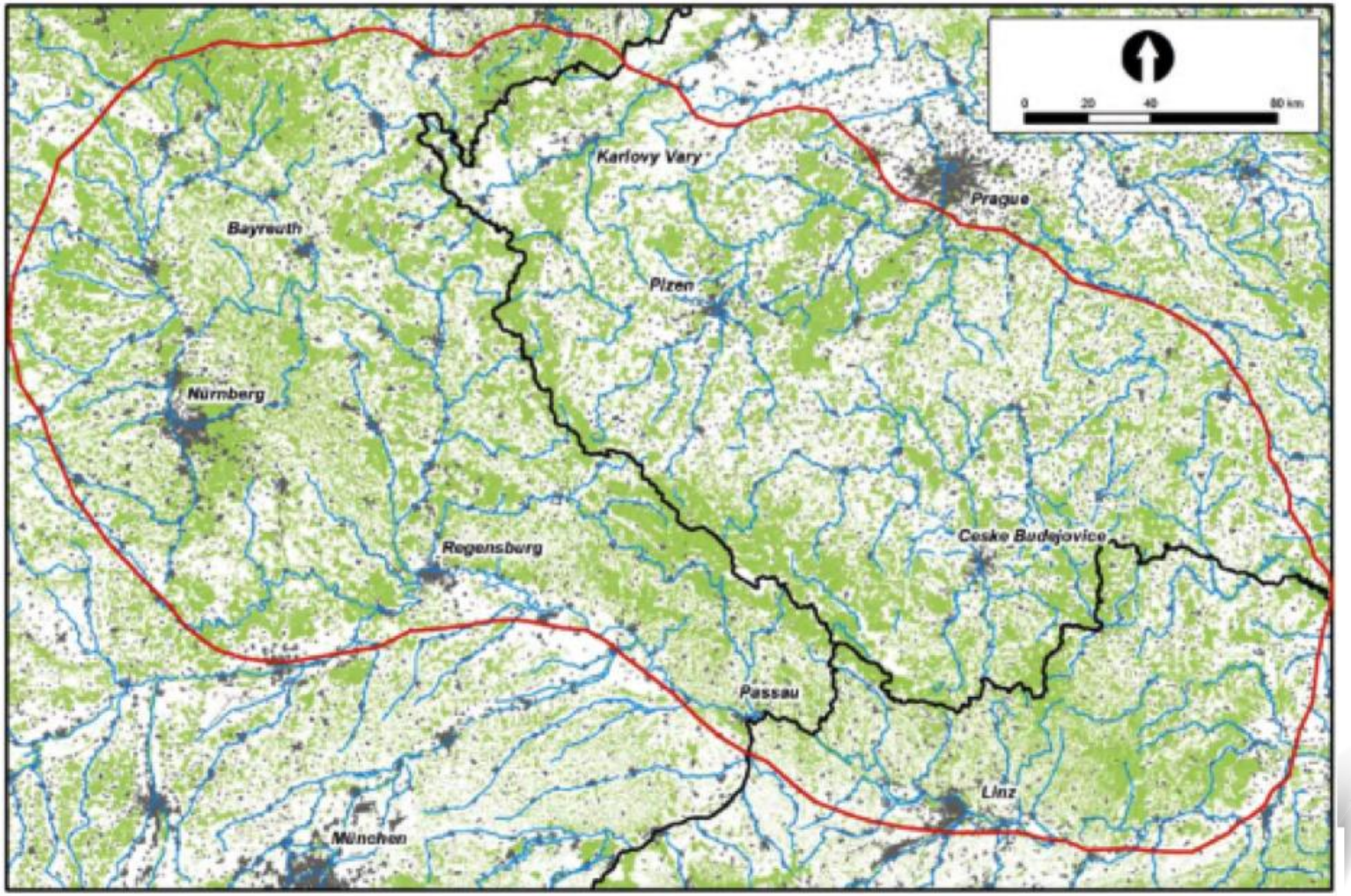
- Camera trapping
- Snow tracking
- Genetic monitoring
- Collection of observational/chance data (dead animals, kills, tracks, scat, hairs)



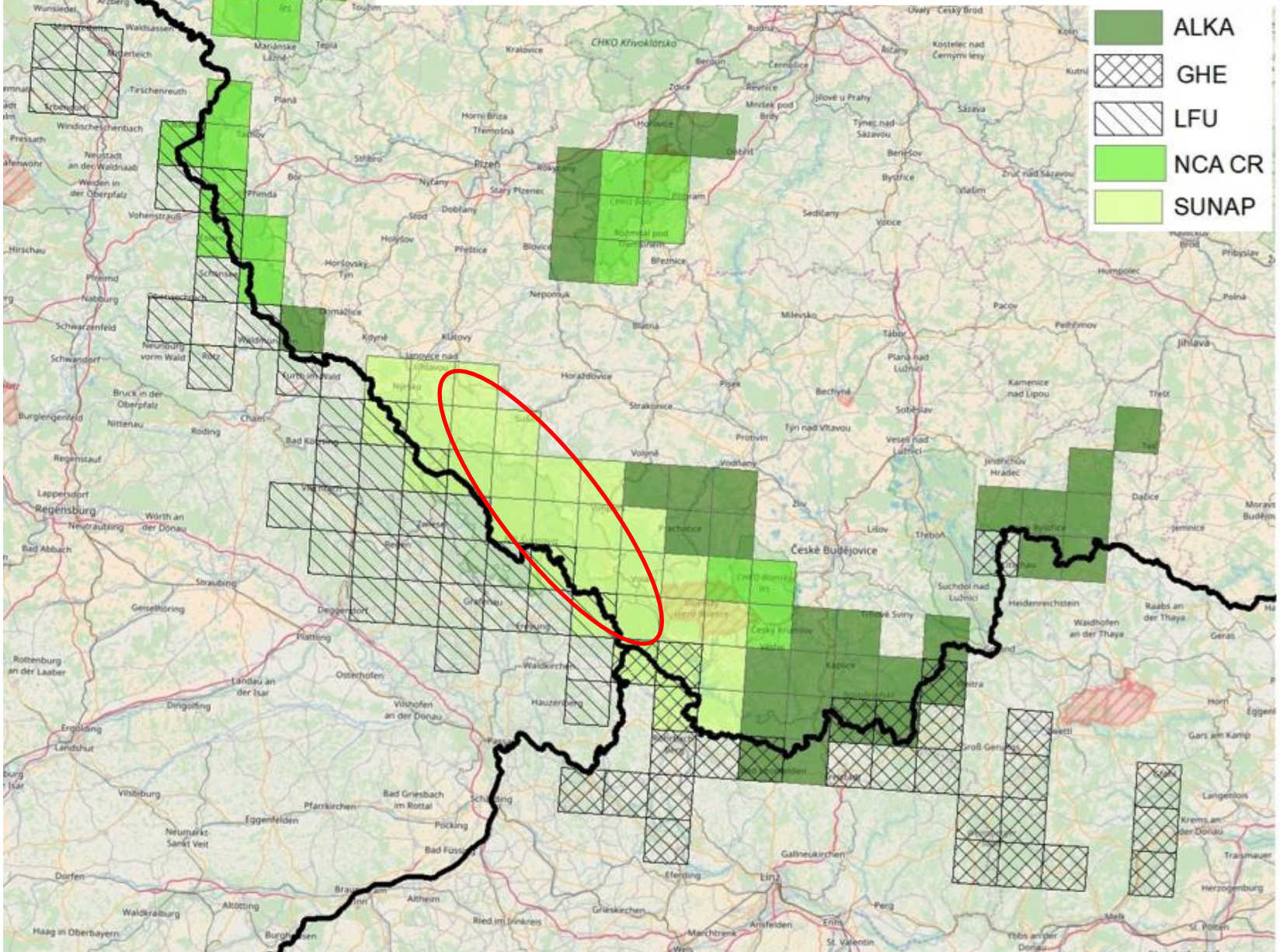
Data analysis

- Lynx year (1. May to 30. April)
- SCALP data classification
- C1 hard data (dead lynx, photo, DNA sample)
- C2 objective confirmed data (kills, tracks)
- C3 unconfirmed/undocumented data

MONITORED AREA OF THE BBA POPULATION
KEY LYNX HABITATS ARE MONITORED



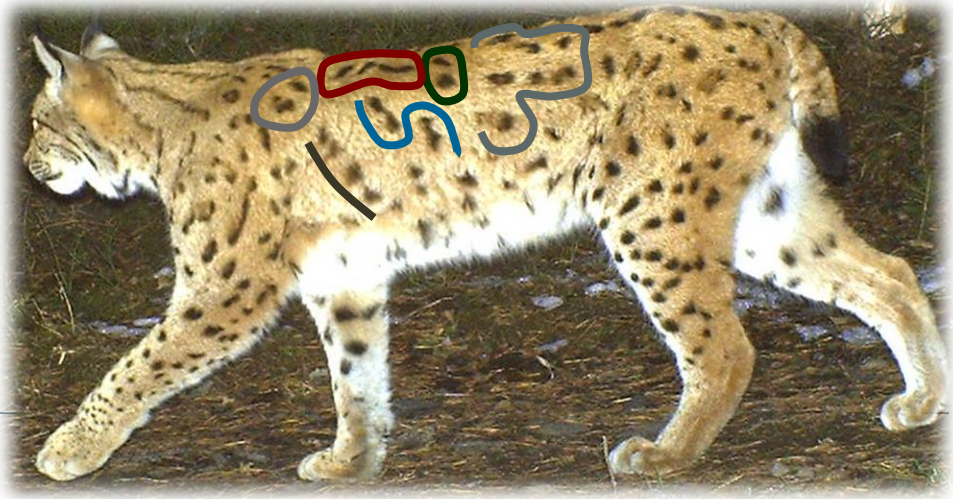
min. 2 (2-10) camera traps per grid 10x10 km
altogether 130 grid cells
total size is 13 000 km^2

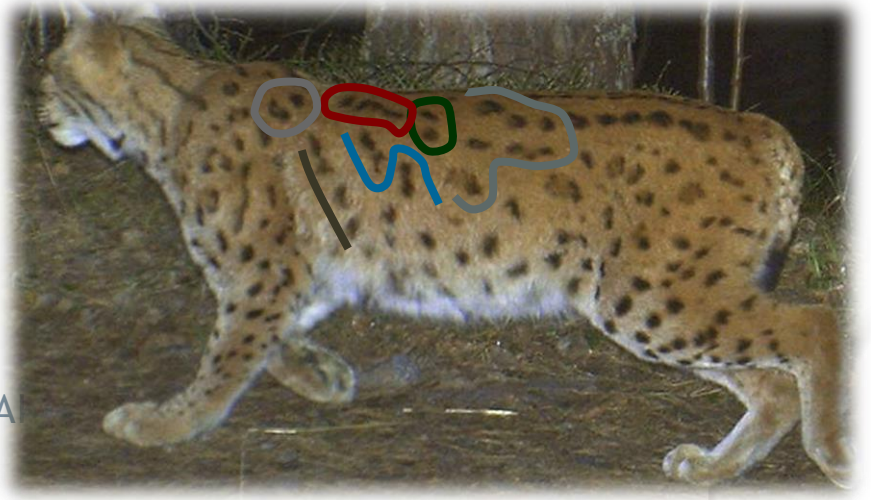


CAMERA TRAP MONITORING

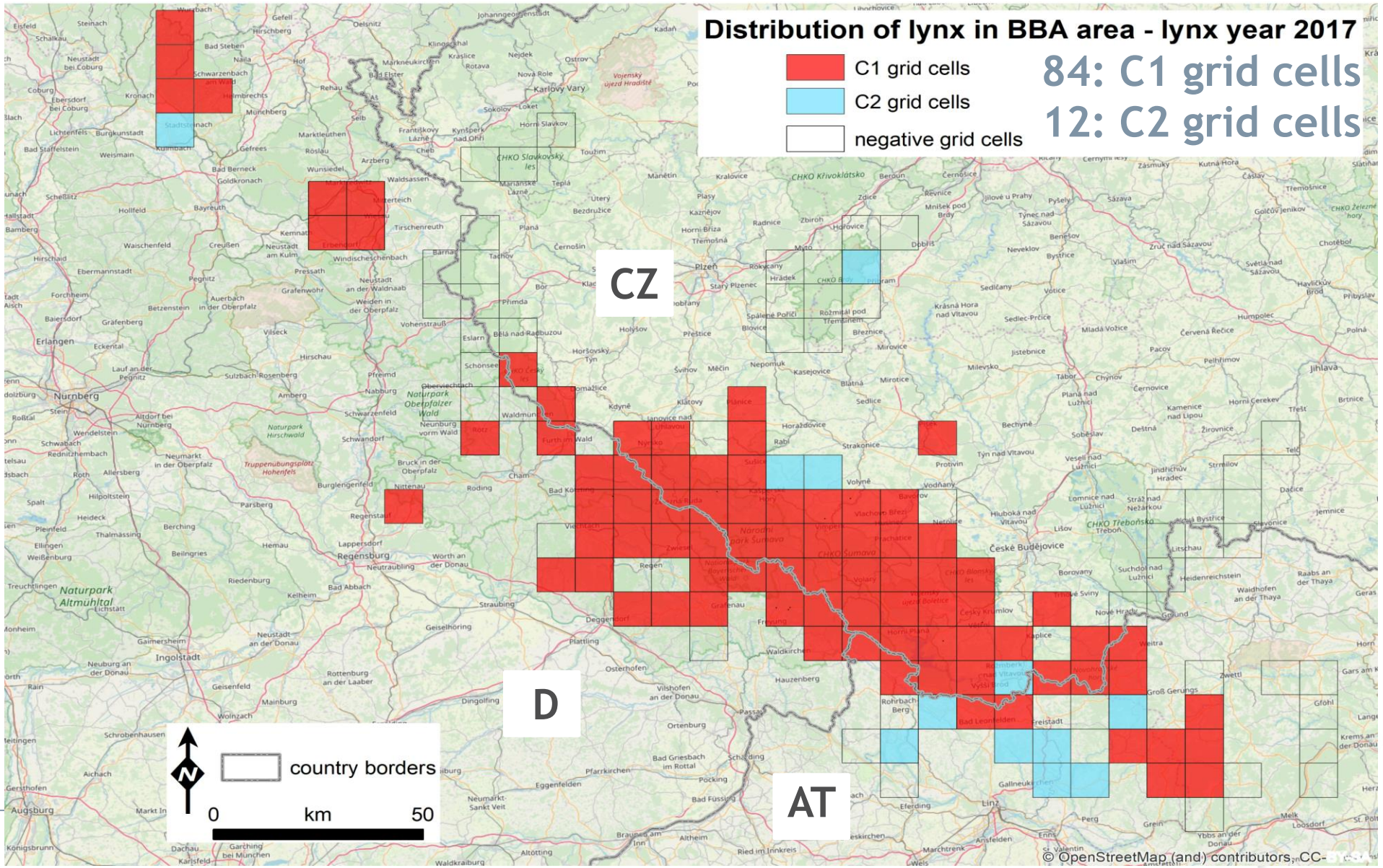
Lynx individuals can be identified by coat pattern.

Camera traps with a white flash are suitable method for studying population dynamics in space and time (© Elisa Belotti).

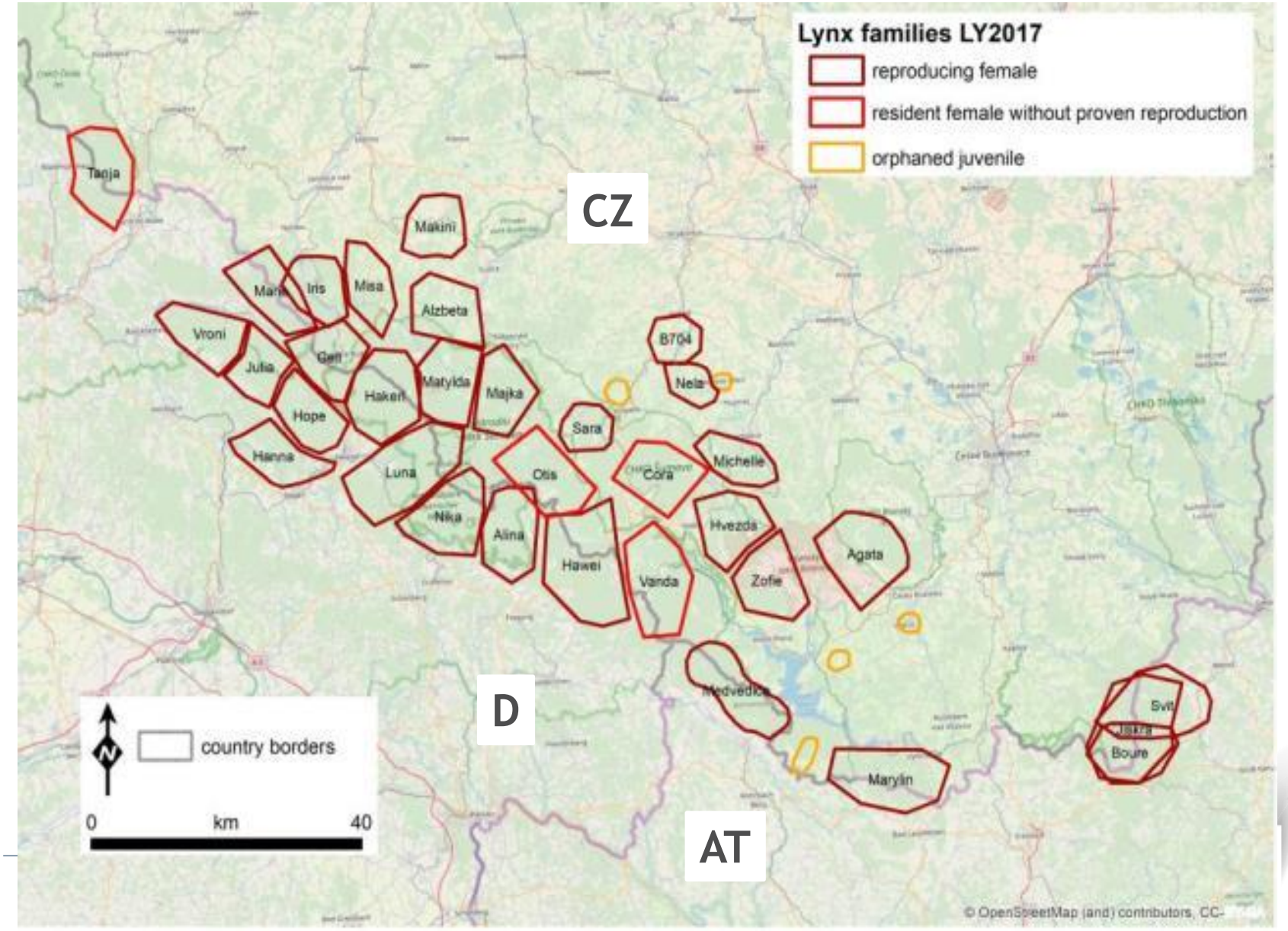




3 LYNX MONITORING RESULTS
LYNX YEAR 2017



MINIMALLY 32 FAMILIES AND 62 JUVENILES WERE RECORDED IN THE BBA AREA BASED ON C1 DATA



MONITORING RESULT: LYNX YEAR 2017

The Pilot Lynx Monitoring System of the 3Lynx Project, launched in the Bohemian-Bavarian-Austrian lynx population area, covered the historically largest range of lynx habitats with camera traps.

The first year of implementation of this large-scale monitoring resulted in the highest numbers of independent lynx, juveniles and families ever recorded in the area.

Altogether **108 independent animals and 32 families** were recorded in the 13 000 km^2 monitored area.

Migration and confirmation of cub survival thanks to the tranboundary cooperation: Lynx “Bond”

Interreg CENTRAL EUROPE
European Union European Regional Development Fund
3Lynx

Migration and confirmation of cub survival thanks to the tranboundary cooperation: Lynx “Jan”

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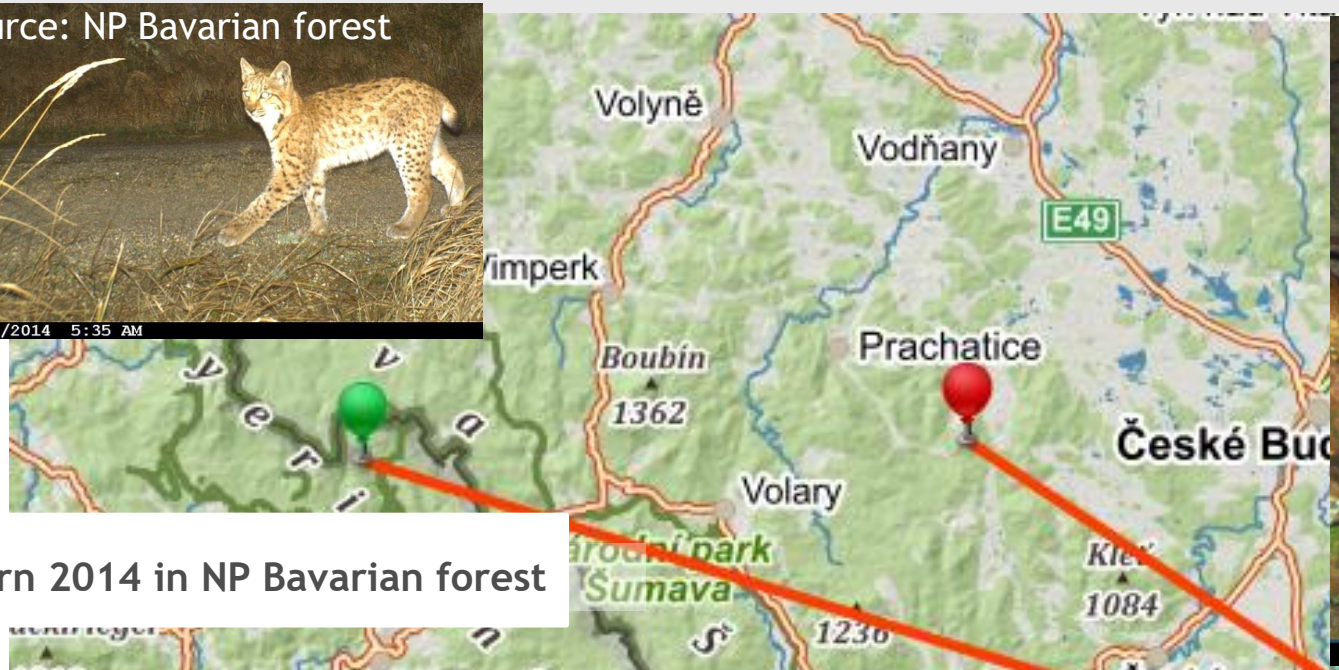
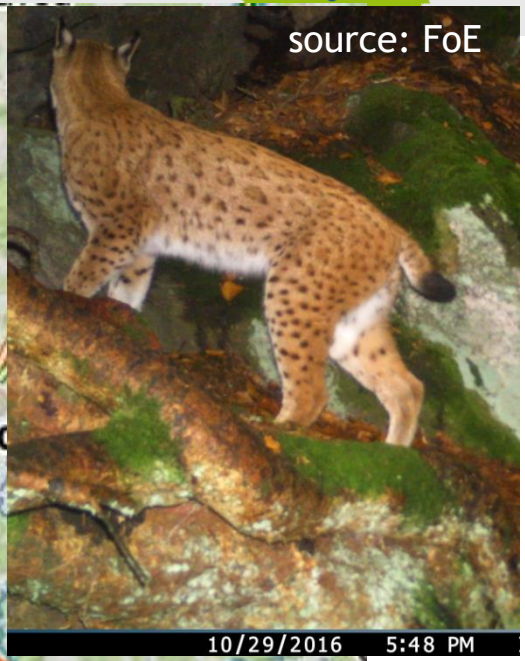
3Lynx





Born 2014 in NP Bavarian forest

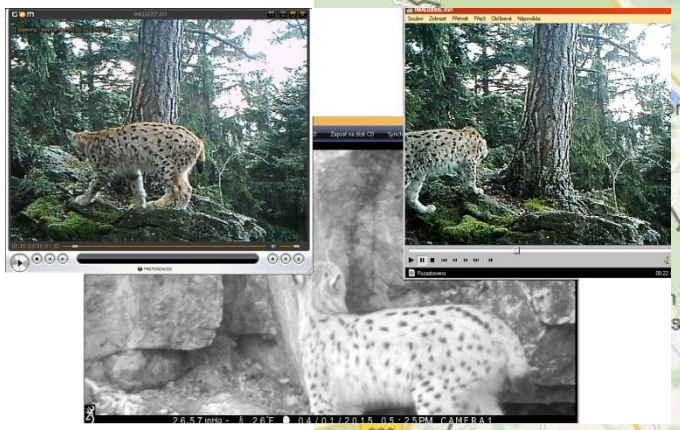
autumn 2015 - summer 2016 Novohradské Hory - Freiwald

Migration and confirmation of cub survival thanks to the tranboundary cooperation: Lynx “Luděk”

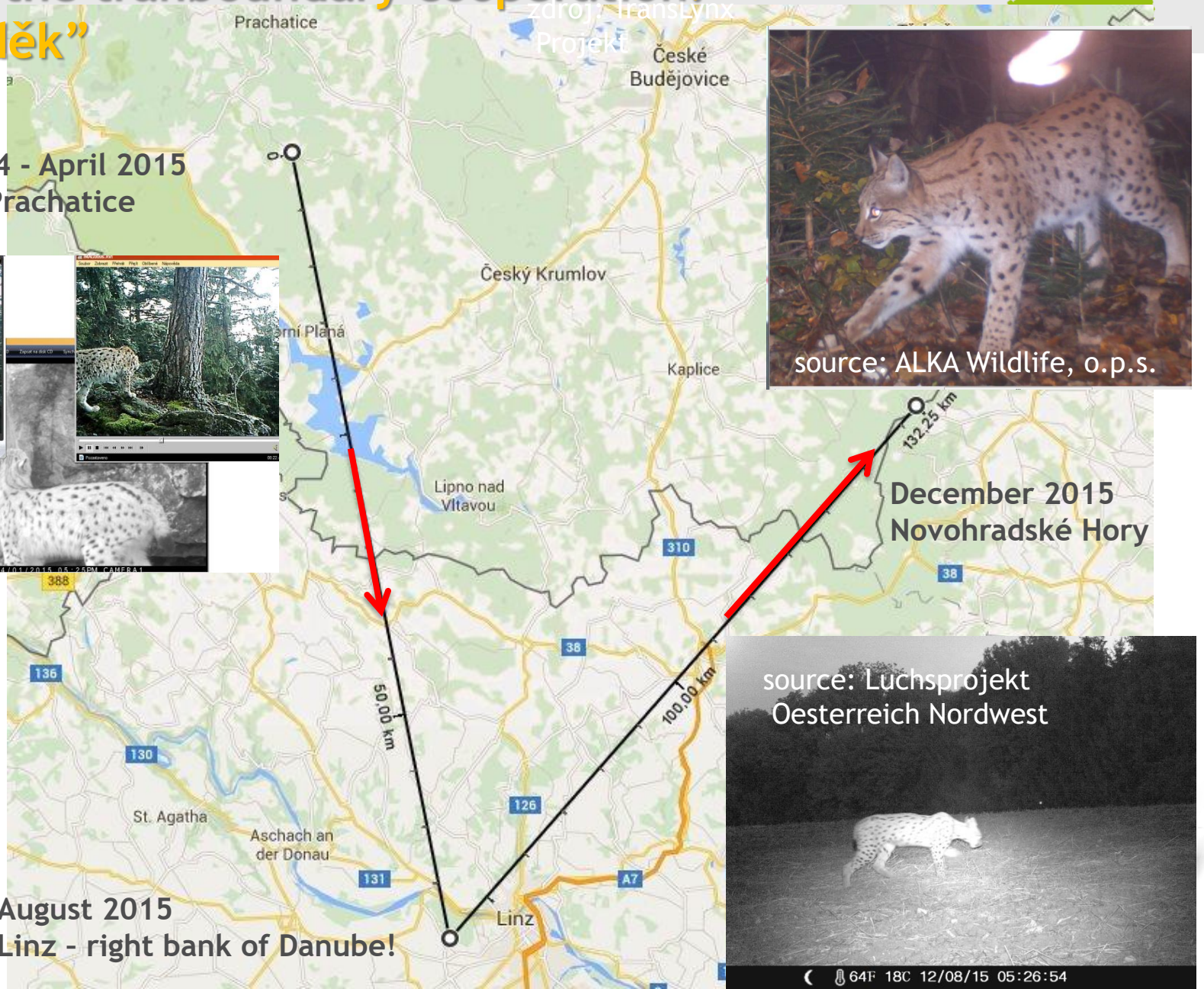
Interreg CENTRAL EUROPE
European Union
European Regional Development Fund

zdroj: TransLynx Projekt

December 2014 - April 2015
PLA Šumava - Prachatice



source:
NP Šumava +
NCA CZ +
Friends of the Earth



December 2015
Novohradské Hory

August 2015
Linz - right bank of Danube!

THANK YOU FOR YOUR ATTENTION

Interreg CENTRAL EUROPE
European Union
European Regional Development Fund

3Lynx

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