

White-tailed Eagle monitoring in Latvia in 2012 - 2013

Jānis Kuze

Project “Eagles cross borders”

Final event

25.09.2013, Valga



EAGLES
CROSS
BORDERS



Linking Estonia and Latvia
Part-financed by the European Regional Development Fund



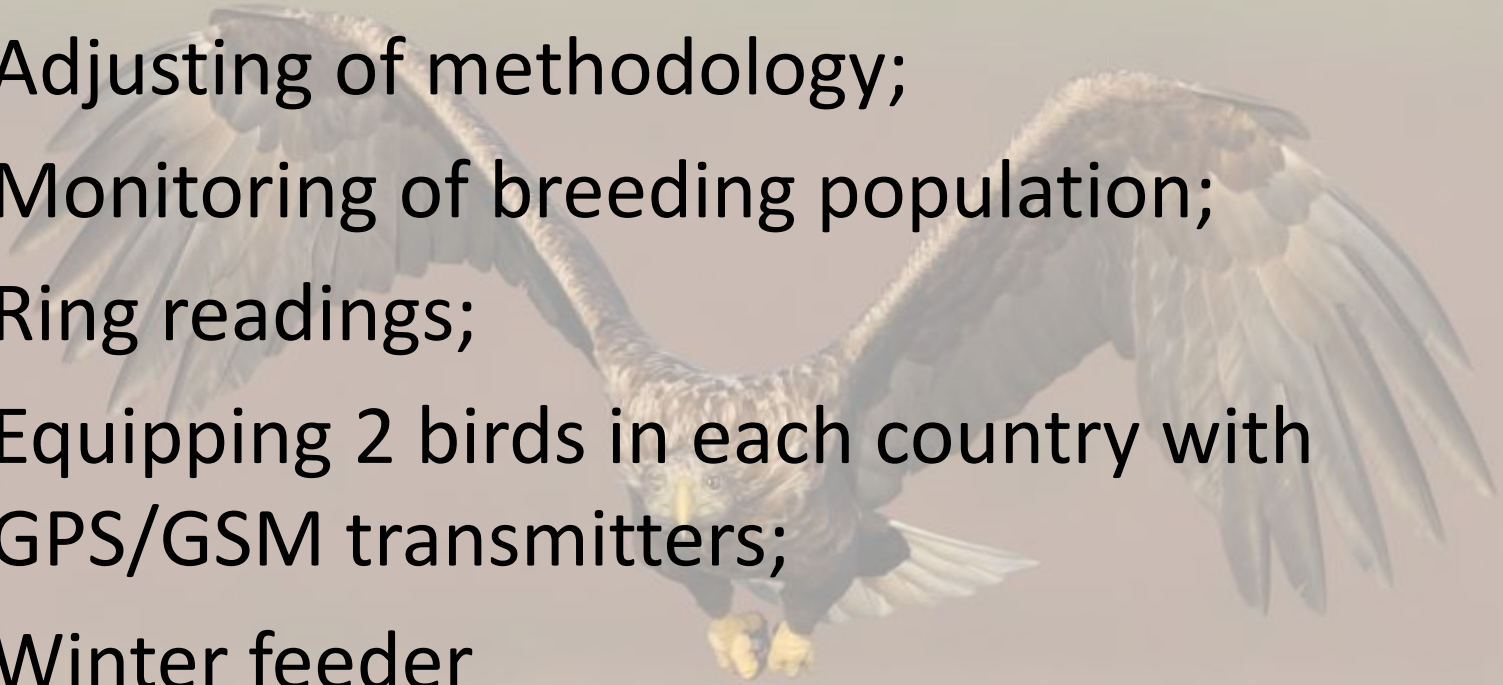
European Union





WtE monitoring

- Adjusting of methodology;
- Monitoring of breeding population;
- Ring readings;
- Equipping 2 birds in each country with GPS/GSM transmitters;
- Winter feeder

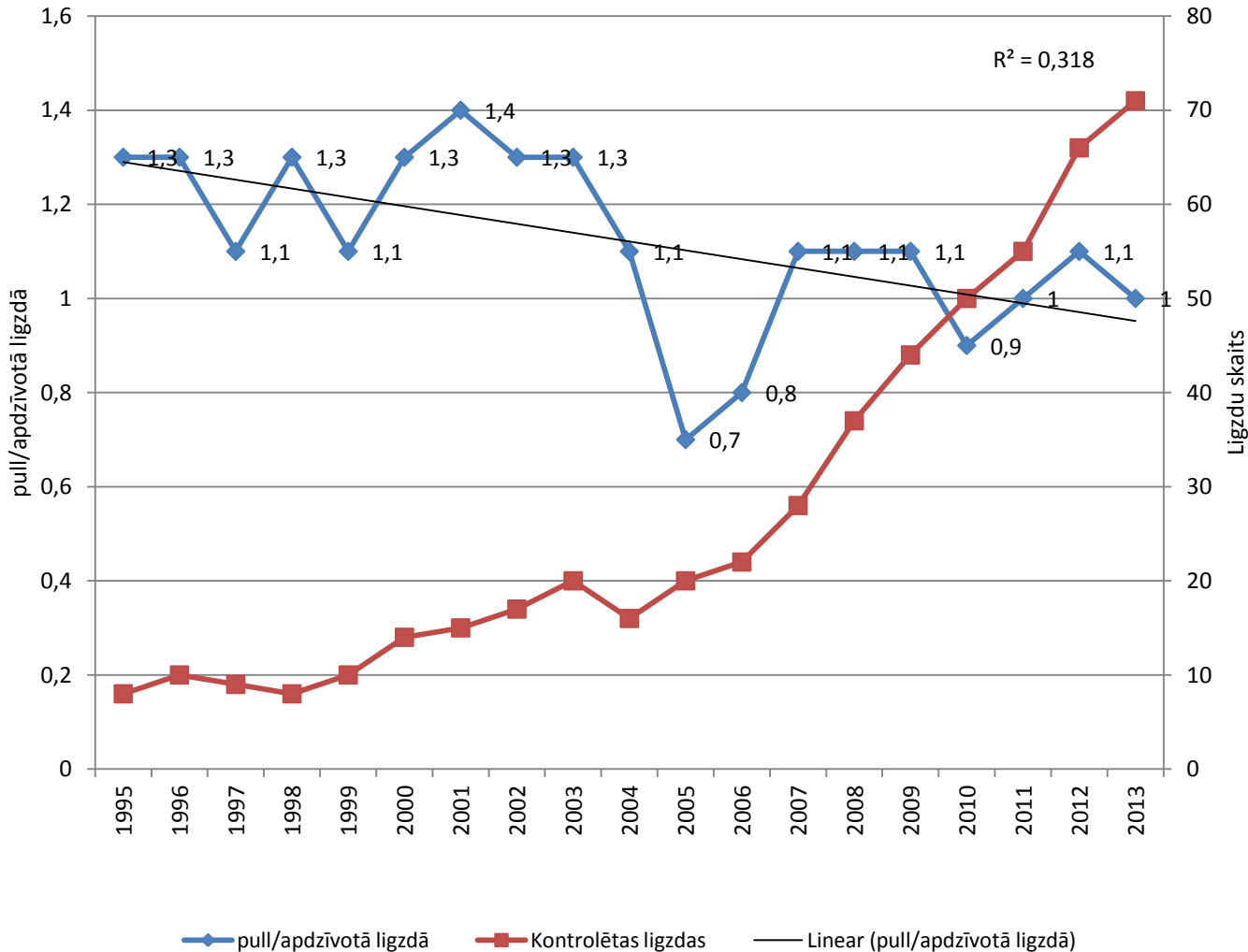




Methodology

- Visits to all known nests during the 3rd decade of May or first 2 decades of June;
- Recording of productivity, wing and tarsus measurements, feather samples;
- Ringing of young birds (at age of 4-8 weeks) with colour-coded rings;
- Ring readings of adult birds when possible;
- Recording of food remains.

Breeding success

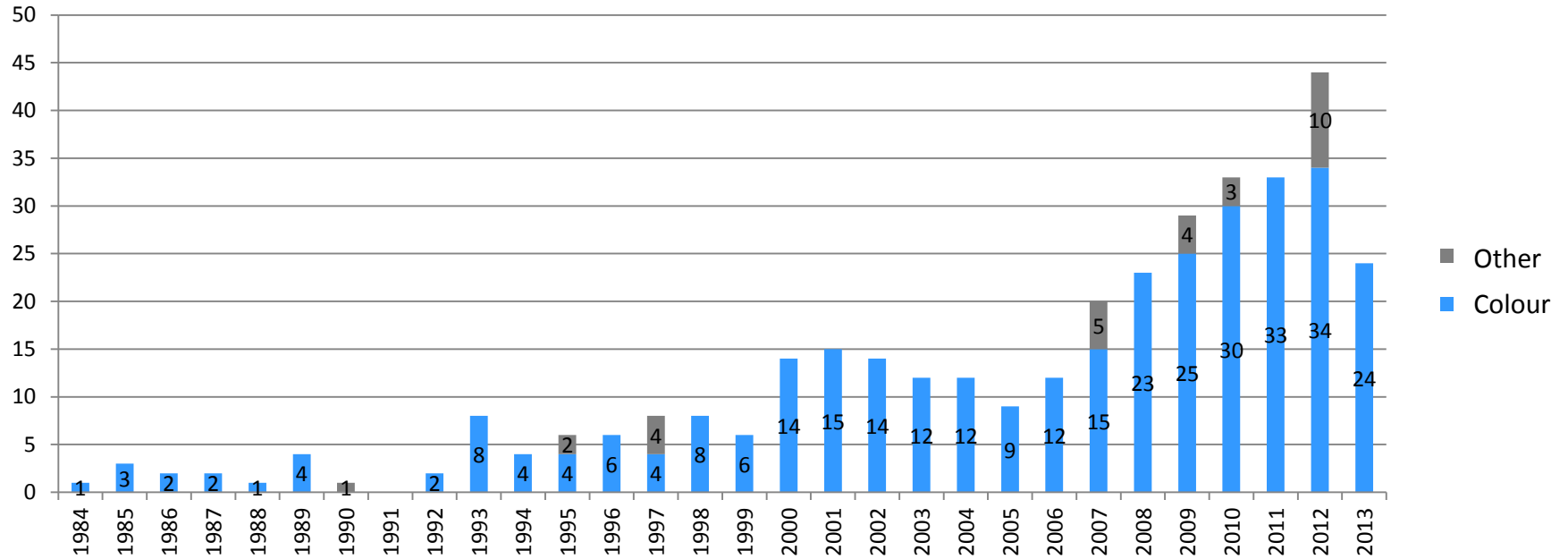


LV 2012: 1,08
EST 2012: 0,97
ESTLAT 2012: 1,02

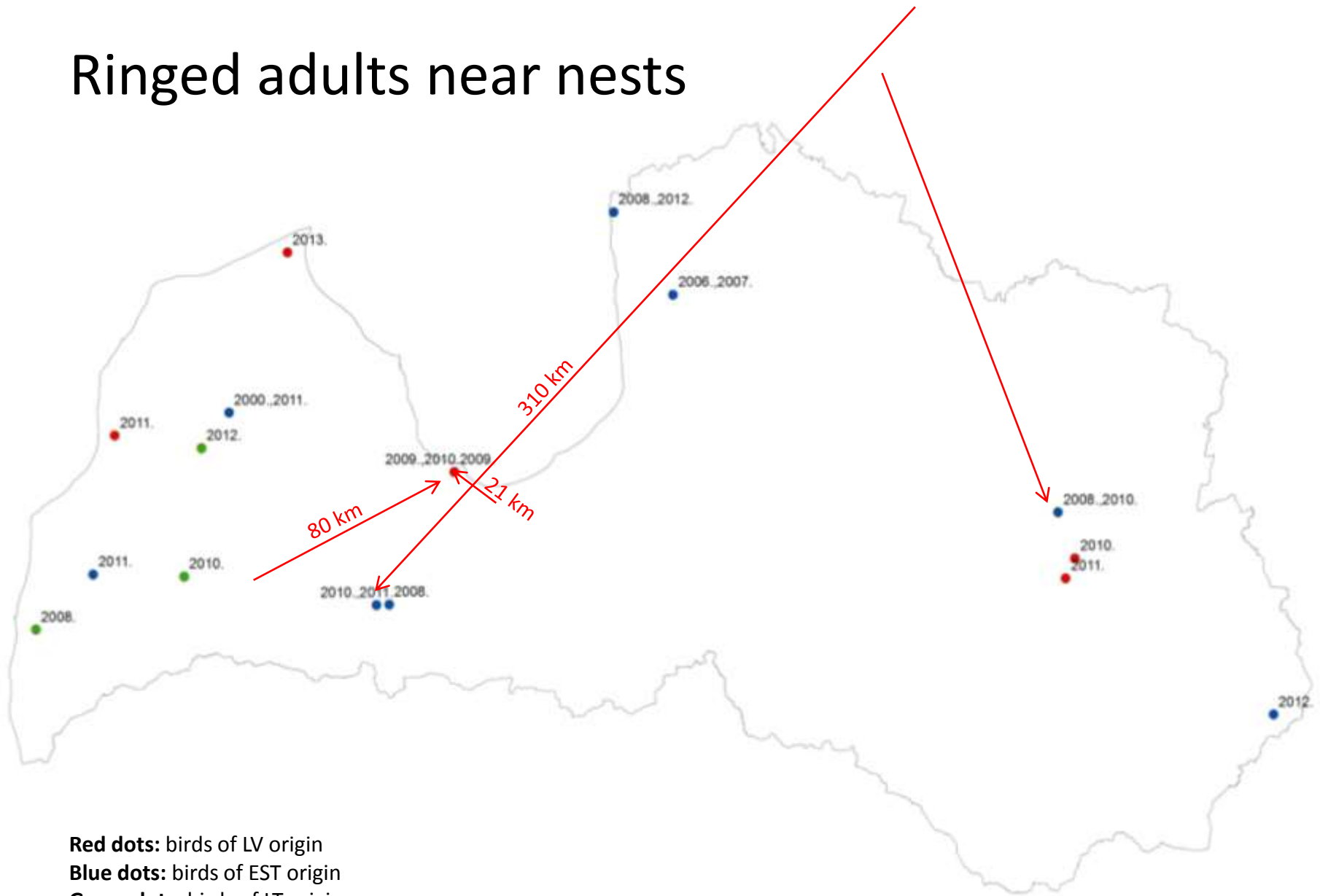
LV 2013: 1,04
EST 2013: 1,05
ESTLAT 2013: 1,05

Data from Estonia:
Renno Nellis, EOS

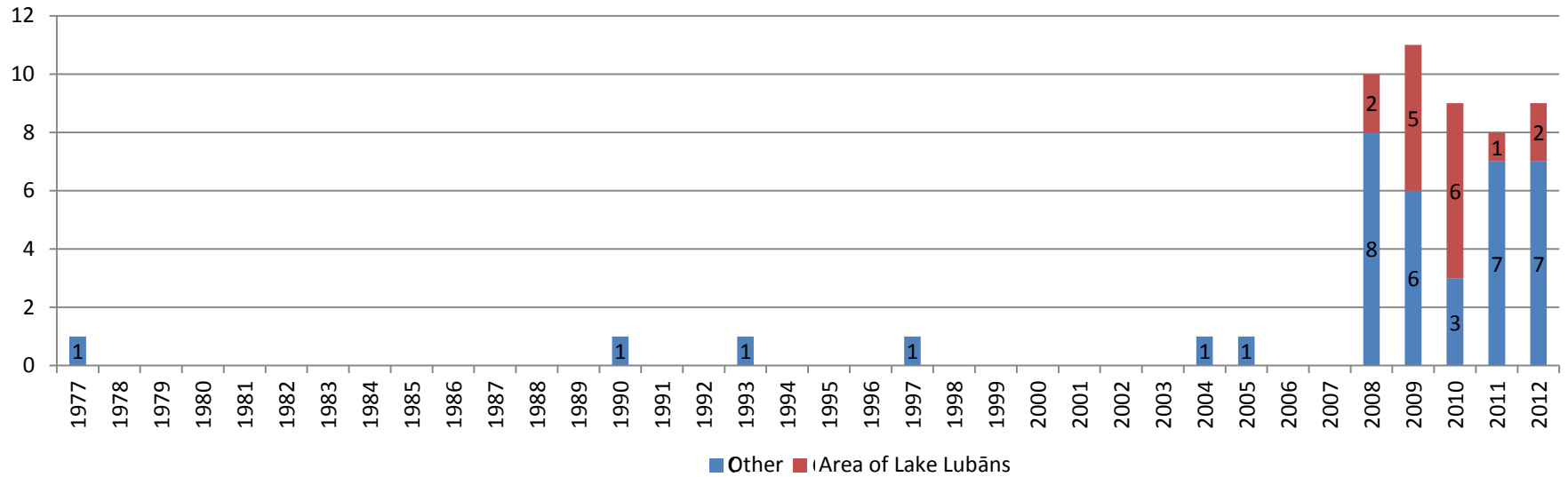
Ringling of juveniles



Ringed adults near nests



Identification of birds of foreign origin in 1977-2012 (n=49)





EAGL06 (A531), male
Ringed on 03.06.2008 near Slagūne
Caught on 02.02.2013 in emeri NP
Map: February – September 2013

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Image Landsat



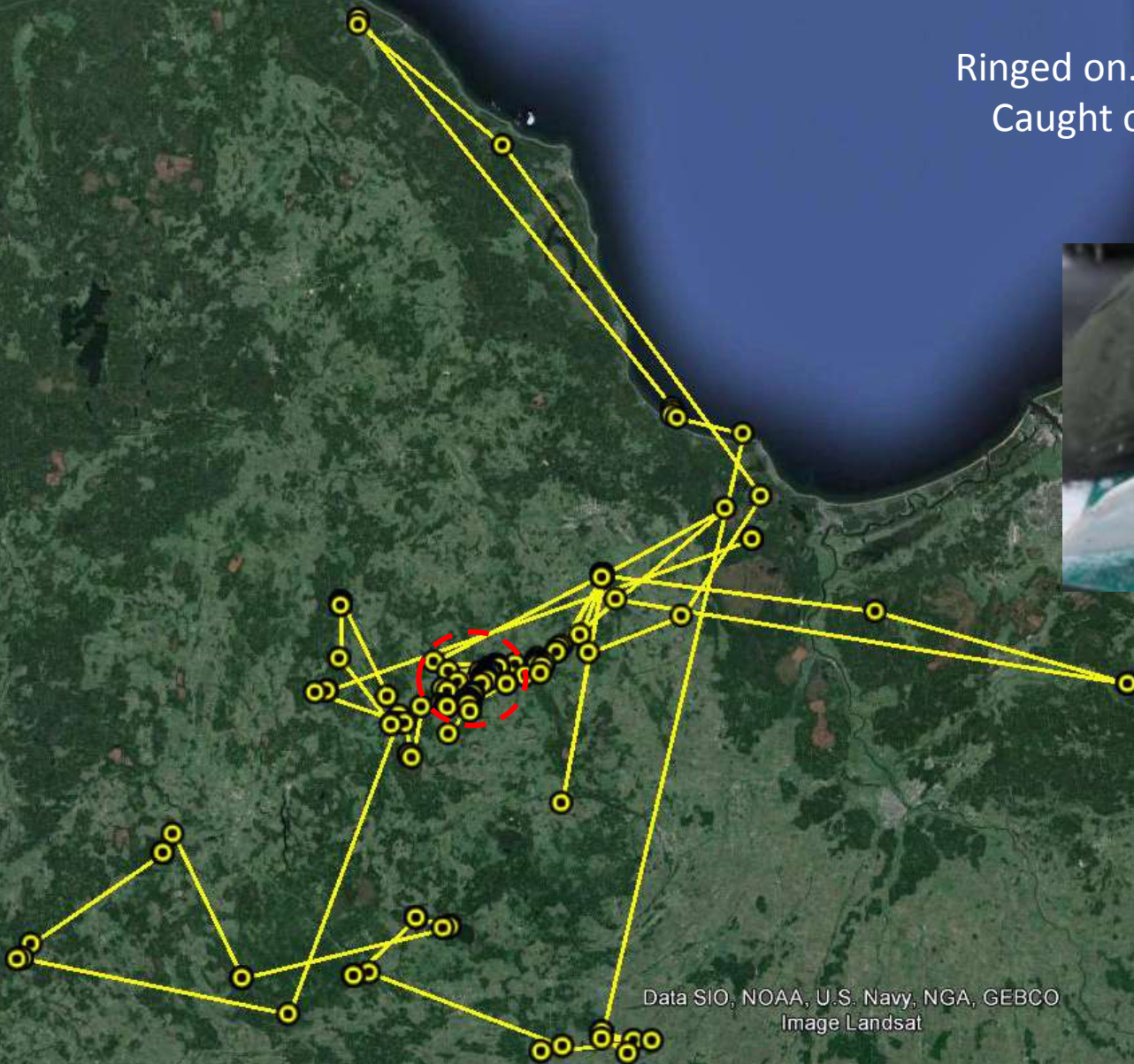
Photos by Agris Krusts

EAGL05 (A540), female

Ringed on. 16.06.2008 near Skrunda

Caught on 01.04.2013 near Remte

Map: April – June 2013



Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat

Goog



Photos by Elina Virtmane

Insight in to field seasons of 2012 and 2013





Kuiviži





Daibe

















Winter eagle
feeder



Winter eagle feeder 2011/2012

- Runned on 23.12.2011 – 31.03.2012;
- Monitored with automatic camera, maximum 4 WtE on March 2012;
- No ring readings on season 2011/2012;



Winter eagle feeder 2012/2013

- Runned on 19.10.2012 – 31.03.2013
- Maximum 8 eagles on 18 November – 7 WtE and 1 Golden eagle;
- 9 ring readings done – 8 WtE (5 of LV origin, 1 EST, 1 LT, 1 FIN) and 1 Golden eagle (EST)

E057

Ringed in Estonia on 31.05.2012. at vicinity of Pärnu

Seen at feeder:

27.10.2012 (JK)

18.11.2012 (AK)

19.11.2012 (AK)

25.11.2012 (AP)

31.12.2012 (JK)

06.01.2013 (SR)



C504

Ringed in Lithuania on 02.06.2010. near *Zarasai*

Seen at feeder:

18.11.2012 (AK)

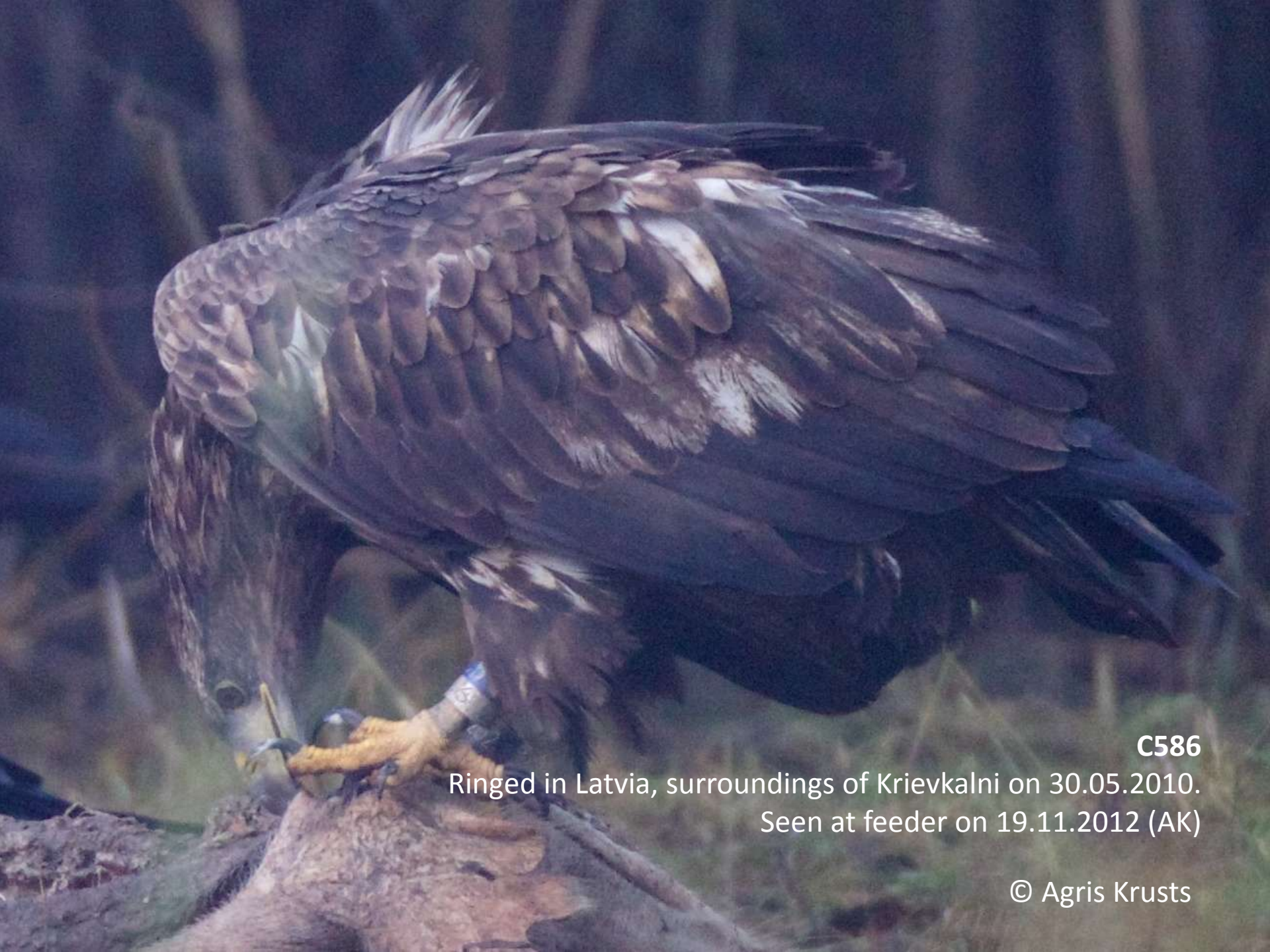


C585

Ringed in Latvia, surroundings of Krievkalni on 30.05.2010.

Seen at feeder on 18.11.2012 (AK)





C586

Ringed in Latvia, surroundings of Krievkalni on 30.05.2010.

Seen at feeder on 19.11.2012 (AK)

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C608

Ringed in Latvia, surroundings of Lake Kaņieris
on 08.06.2010.

Seen at feeder: 19.11.2012 (AK)

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F154

Ringed in Finland near *Uusimaa* on 13.06.2012.

Seen at feeder:
09.12.2012. (AP)





D633

Ringed in Latvia near Durbe on 03.06.2011.

Seen at feeder:
06.01.2013. (SR)
10.01.2013. (DD)



A531

Ringed in Latvia near Slagūne on 03.06.2008.

Seen at feeder on 02.02.2013 (JK)









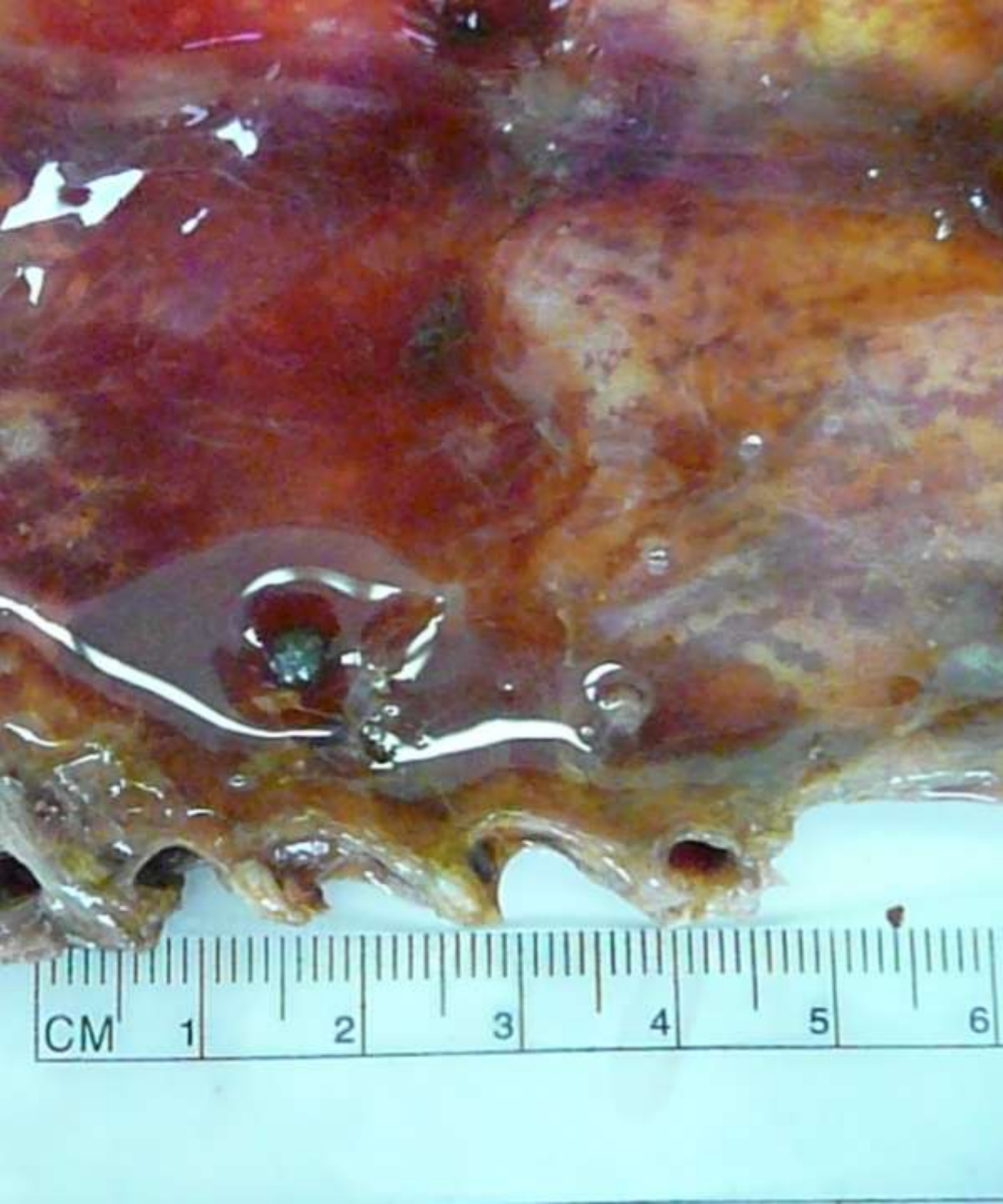


Species Action plan for Latvia



Threats

- Lack of appropriate protection measures for breeding grounds;
- Lack/shortage of compensatory measures for forest and fish farm owners;
- Shortage of suitable nest trees;
- Shooting;
- Lead poisoning;
- Disturbance during the early stages of breeding season;
- Collision with powerlines and wind turbines

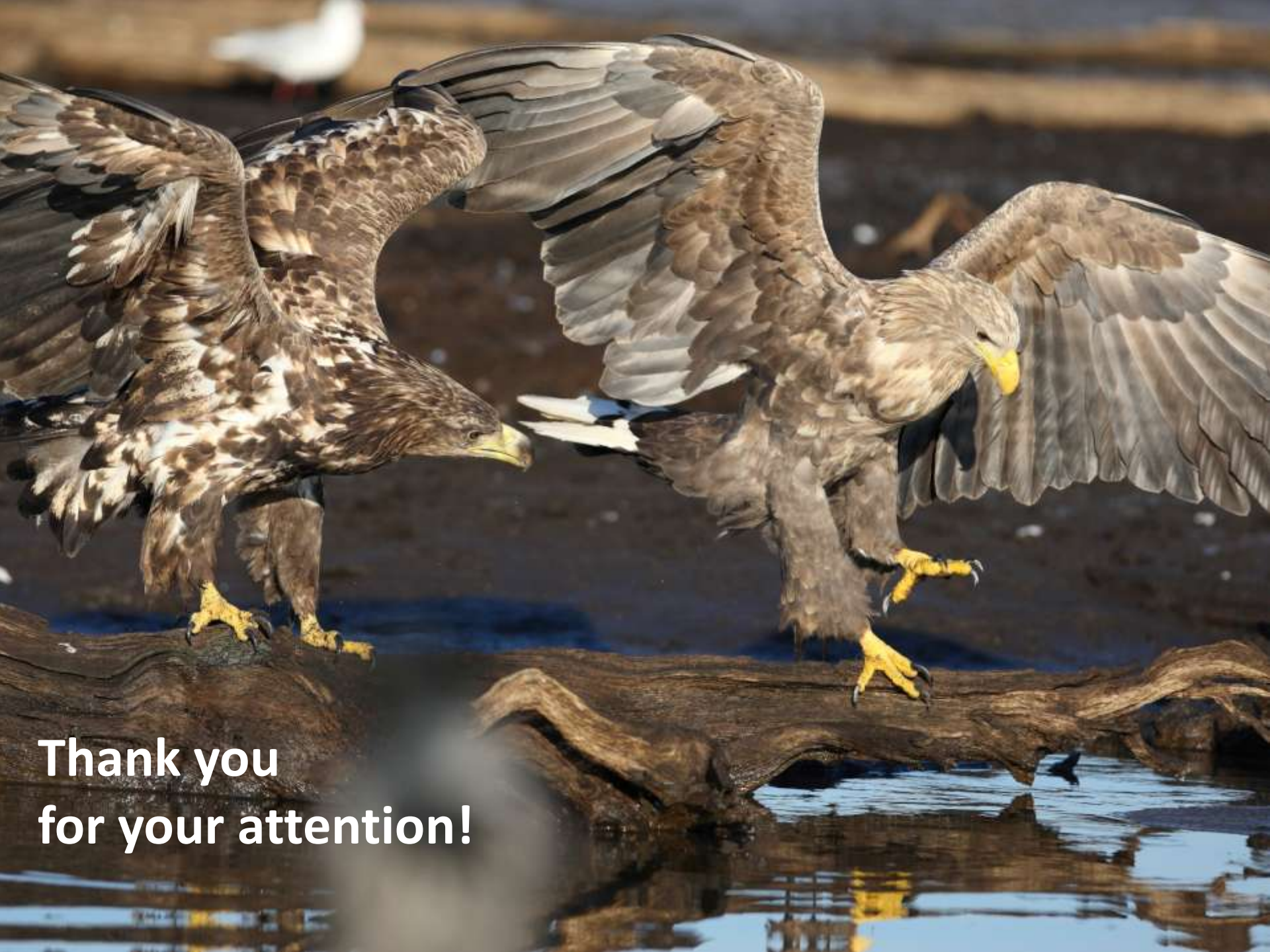


Actions needed

- Searching for new nests and providing of necessary protection measures;
- Banning of lead ammunition;
- Considering the potential impact during the planning of new wind parks;
- Renewing of compensatory schemes for fish farm owners

Monitoring and research

- Monitoring of breeding population (numbers and breeding success);
- Assessing the causes of death;
- Researching the use of home range and migration routes;
- To continue the participation in colour ringing programme/ ring readings



**Thank you
for your attention!**