



Osprey, Cross Borders

Monitoring, transmitters,
ring reading, nests,
cross-borderism

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Osprey *Pandion haliaetus*

- Strictly protected raptor in EU
- How many pairs?
190-210 LAT + 70-75 EST
- Which part of country?
all Latvia; E and S Estonia
- Main problem?
disturbance on breeding season,
intensification of forestry and migration
condicions



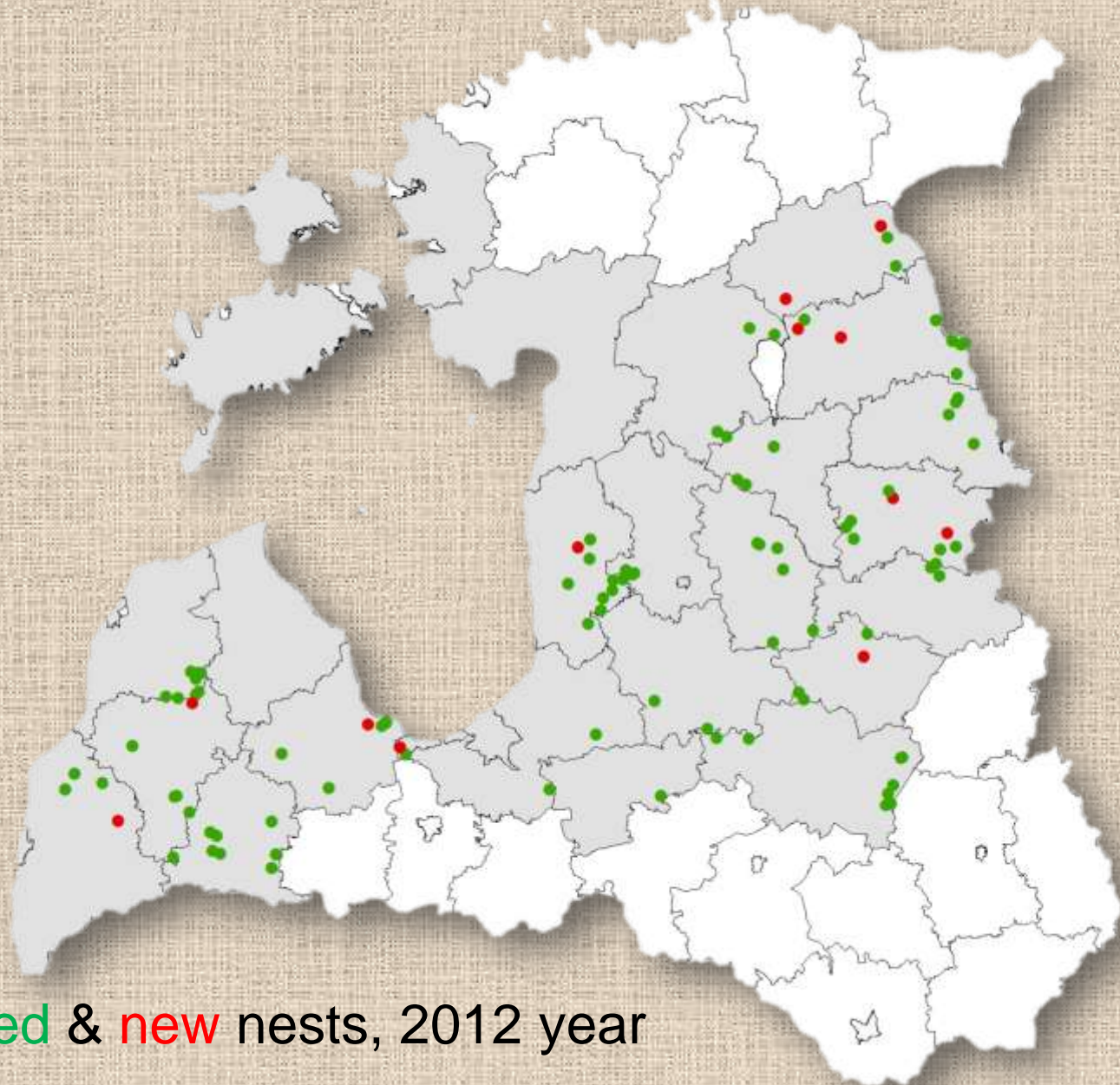


Monitoring methodology

- What?
- When?
- How?



Monitoring area



Occupied & new nests, 2012 year

Nesting success

	Estonia		Latvia	
	2011	2012	2011	2012
Controlled territories	39	39	91	87
Occupied territories	33	32	64	73
Successful nests	22	30	43	51
Fledged youngs (FJ)	50	70	91	120
FJ per successful nests	2,27	2,33	2,28	2,35
FJ per active nests	1,52	2,19	1,49	1,64



Photographed by U. Sellis

Colour ringing

	2011		2012	
	Youngs	Adults	Youngs	Adults
Estonia	30	0	54(+3)	2
Latvia	88	0	117	9



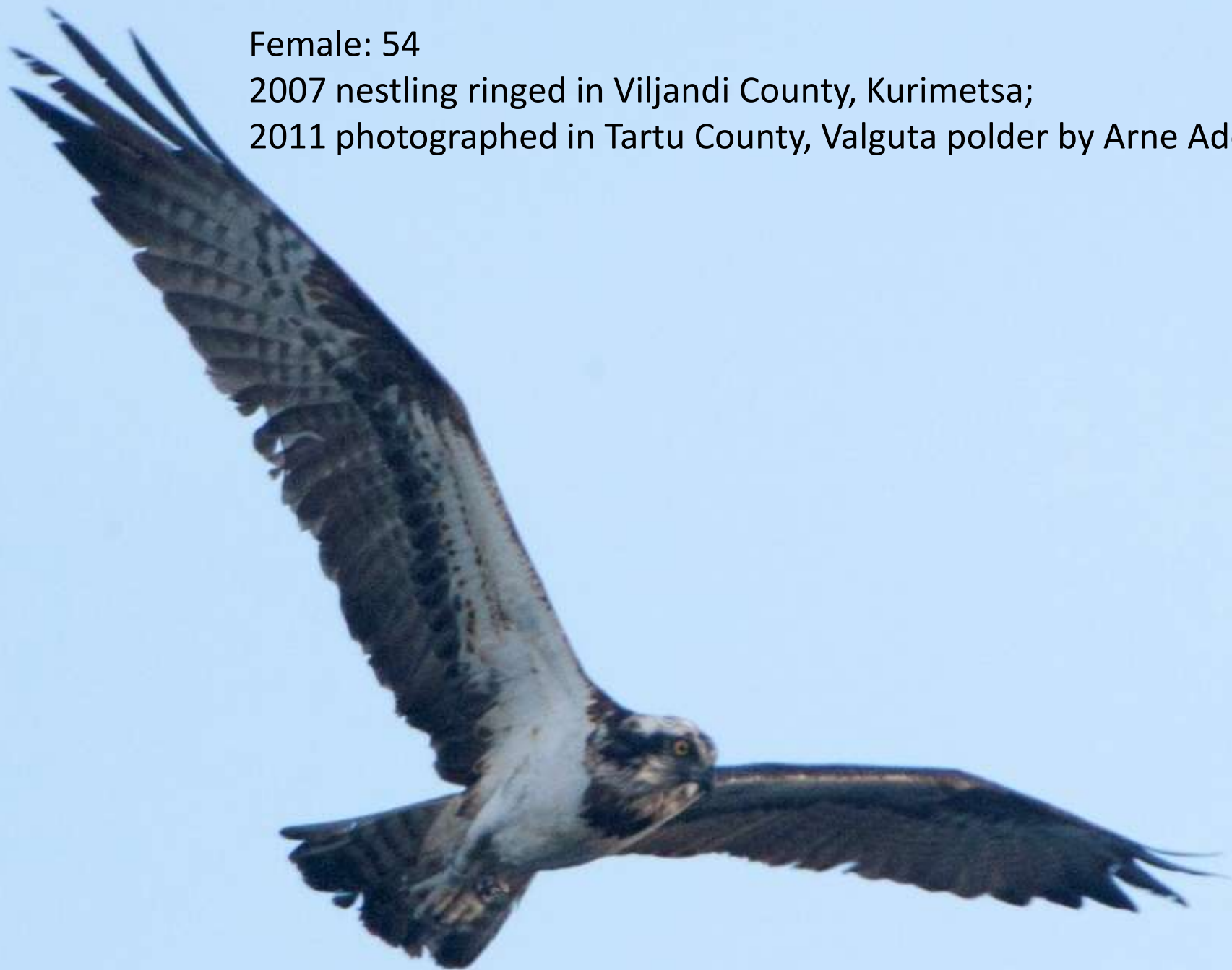
Ring readings 2011-2013

	Controlled birds		Birds with rings	
	Female	Male	Female	Male
Estonia	45	39	7	10
Latvia	76	50	9	14

Female: 54

2007 nestling ringed in Viljandi County, Kurimetsa;

2011 photographed in Tartu County, Valguta polder by Arne Ader



Male: 39

2008 nestling ringed in Ida-Viru County, Roostoja;

2010 nested in Ida-Viru County, Piiksi (23 km SW);

2011-13 nested in Jõgeva County, Põrvetu (+16 km S);



Female: D7

2009 nestling ringed in Põlva County,
Meelva;
2012 Photographed in Cyprus (april)



Photographed by Olkan Erguler



© 2012 Cnes/Spot image
Data: SIO, NOAA, U.S. Navy, NSA, GEBCO
Image © 2012 TerraMetrics
Image © 2012 GeoContent!

46°48'57.16" N 28°35'20.94" E elev. 55 m

Google earth

Eyes alt. 3572.71 km

Male: C99

2010 nestling ringed in Latvia, Rugaij, Snitkas bog by U. Bergmanis

2013 nested in Võru County, Laisi. Photographed by U. Sellis



Recoveries



Recoveries



Foreign ring

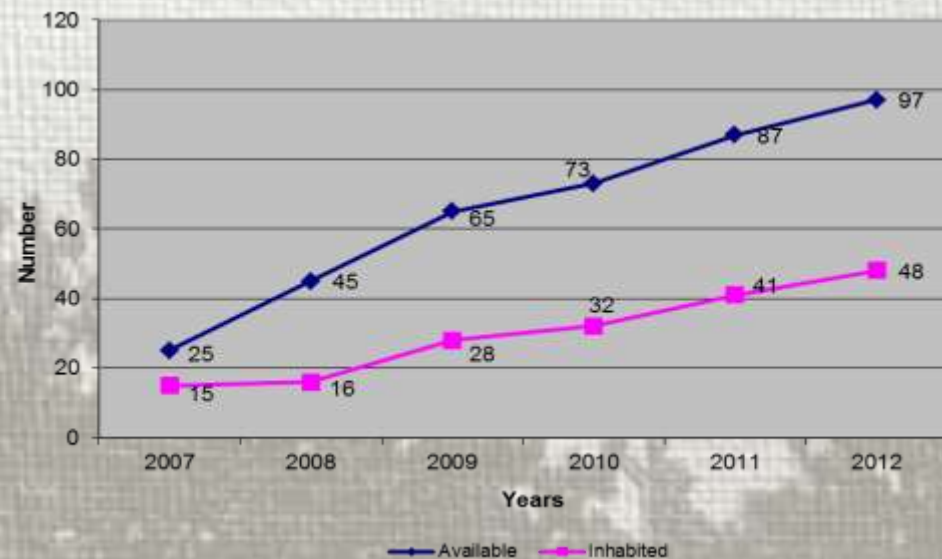






Founded new and artificial nests

	New artificial nests		New nests 2011-2013
	Made in 2011-13	Occupied in 2013	
Estonia	10	7	16
Latvia	20	8	29



Transmitters

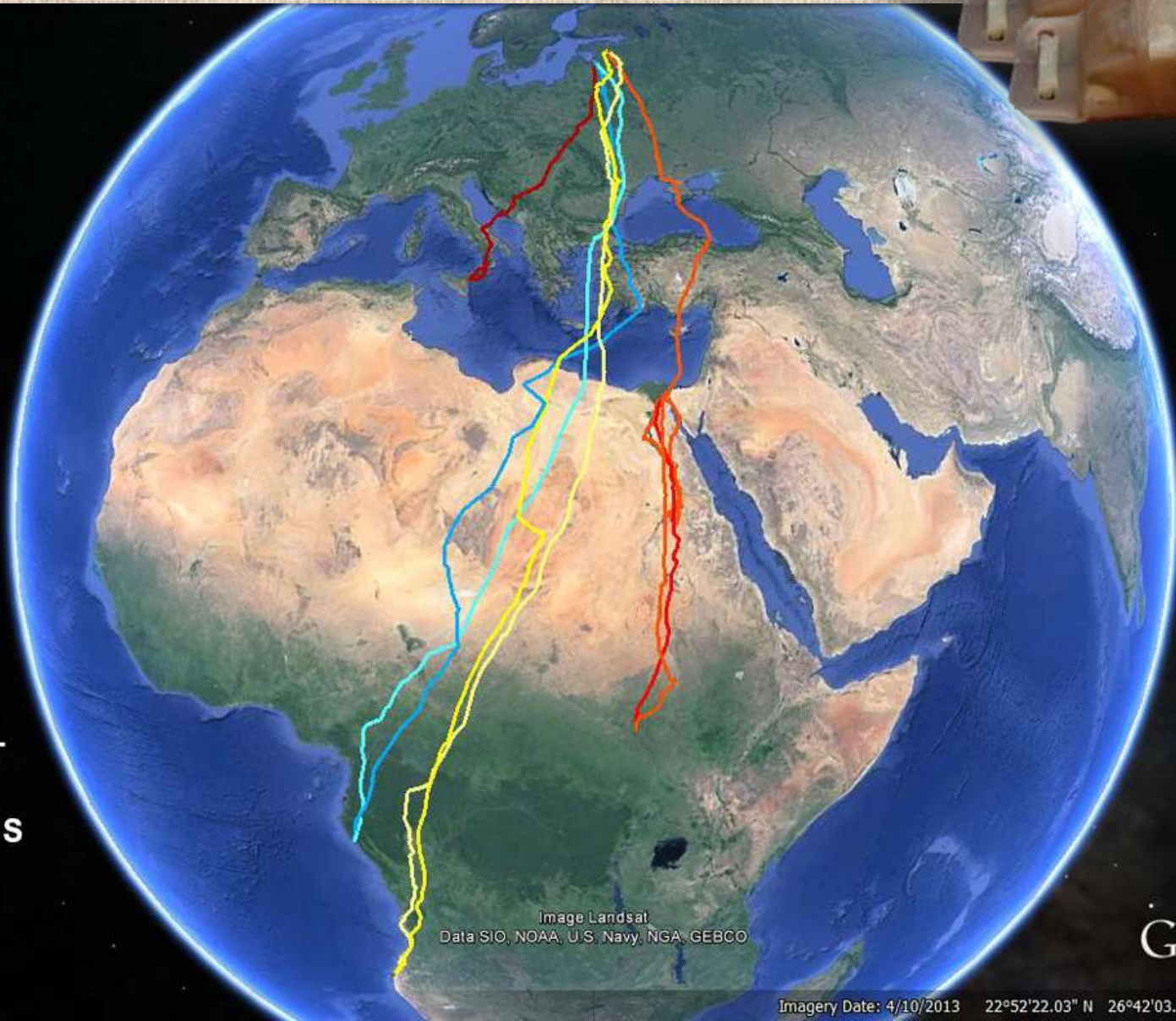


ins
rel

Migration



- Ilze
- Eriks
- Ilmar
- Piret



ESTLAT
OSPREYS

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

Google earth

Imagery Date: 4/10/2013 22°52'22.03" N 26°42'03.59" E eye alt 10497.71 km

Cross-borderism

- Friends and colleagues
- Joint field works
- Monitoring methodology
- Wider horizons



Thank you for attention!



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