



Les espèces exotiques envahissantes

Réglementation européenne et enjeux pour le Luxembourg

Luxembourg, 20 mars 2018
Musée national d'histoire naturelle



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère du Développement durable
et des Infrastructures

Département de l'environnement



Invasive alien terrestrial vertebrates targeted by EU regulations

Dr Sandra CELLINA



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*Ministère du Développement durable
et des Infrastructures*

Administration de la nature et des forêts

Insecta - *Vespa velutina nigrithorax*



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Vespa velutina nigrithorax

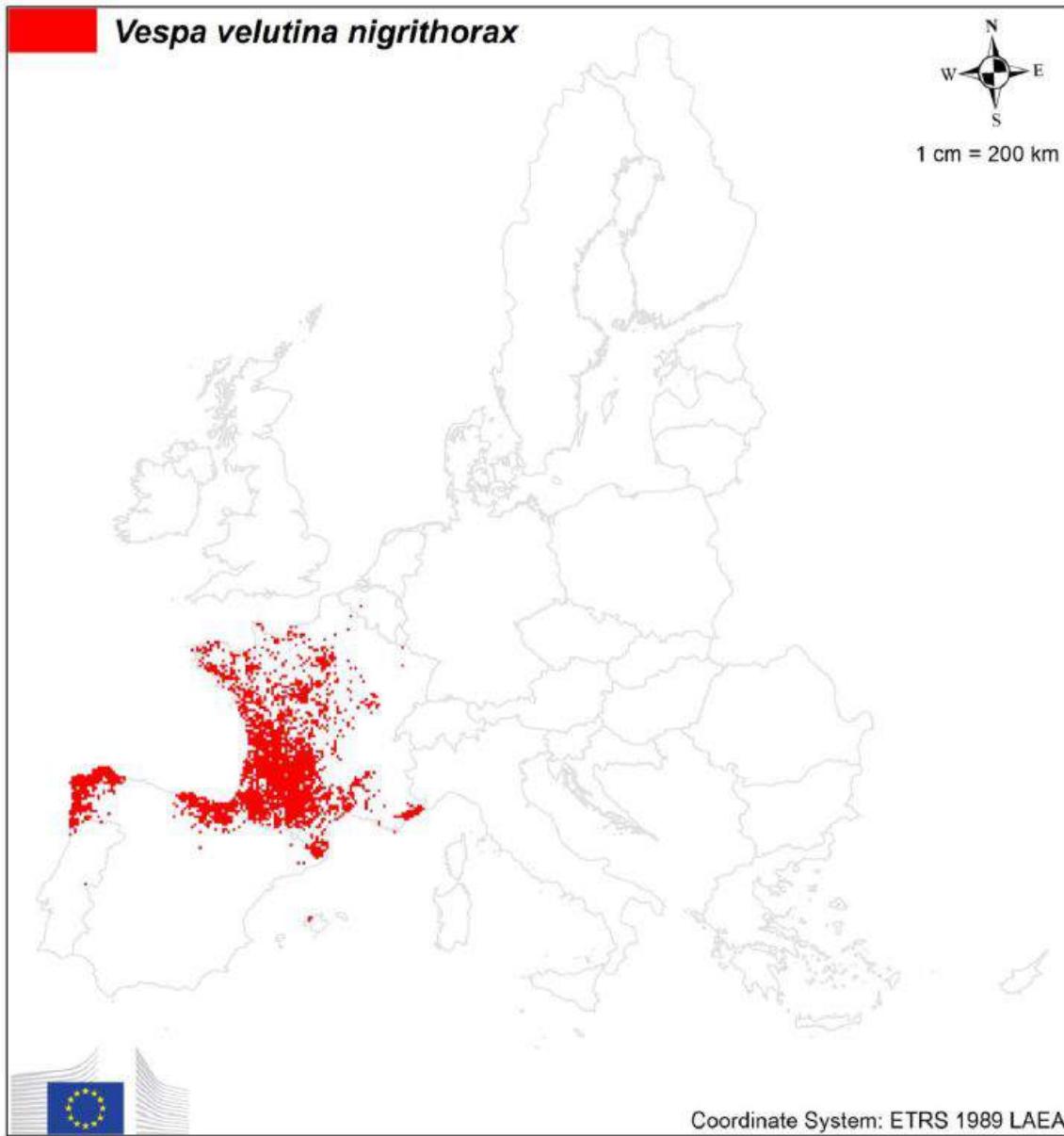


Figure 41. Grid-level (10x10 km) baseline distribution of *Vespa velutina nigrithorax* in EU. The taxon is also present in DE and IT but no georeferenced data are available.



Amphibia - *Lithobates catesbeianus*



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Lithobates catesbeianus



Figure 17. Grid-level (10x10 km) baseline distribution of *Lithobates catesbeianus* in EU. The species is also present in EL but no georeferenced data are available.

California: Ban The Invasive American Bullfrog!

www.savethefrogs.com/bullfrog-petition



North American bullfrog
Nordamerikanischer Ochsenfrosch
Ouaouaron/Grenouille taureau

4

A0: Alert list!

Reptiles - *Trachemys scripta*



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Trachemys scripta elegans & *Trachemys scripta scripta*

Pond slider

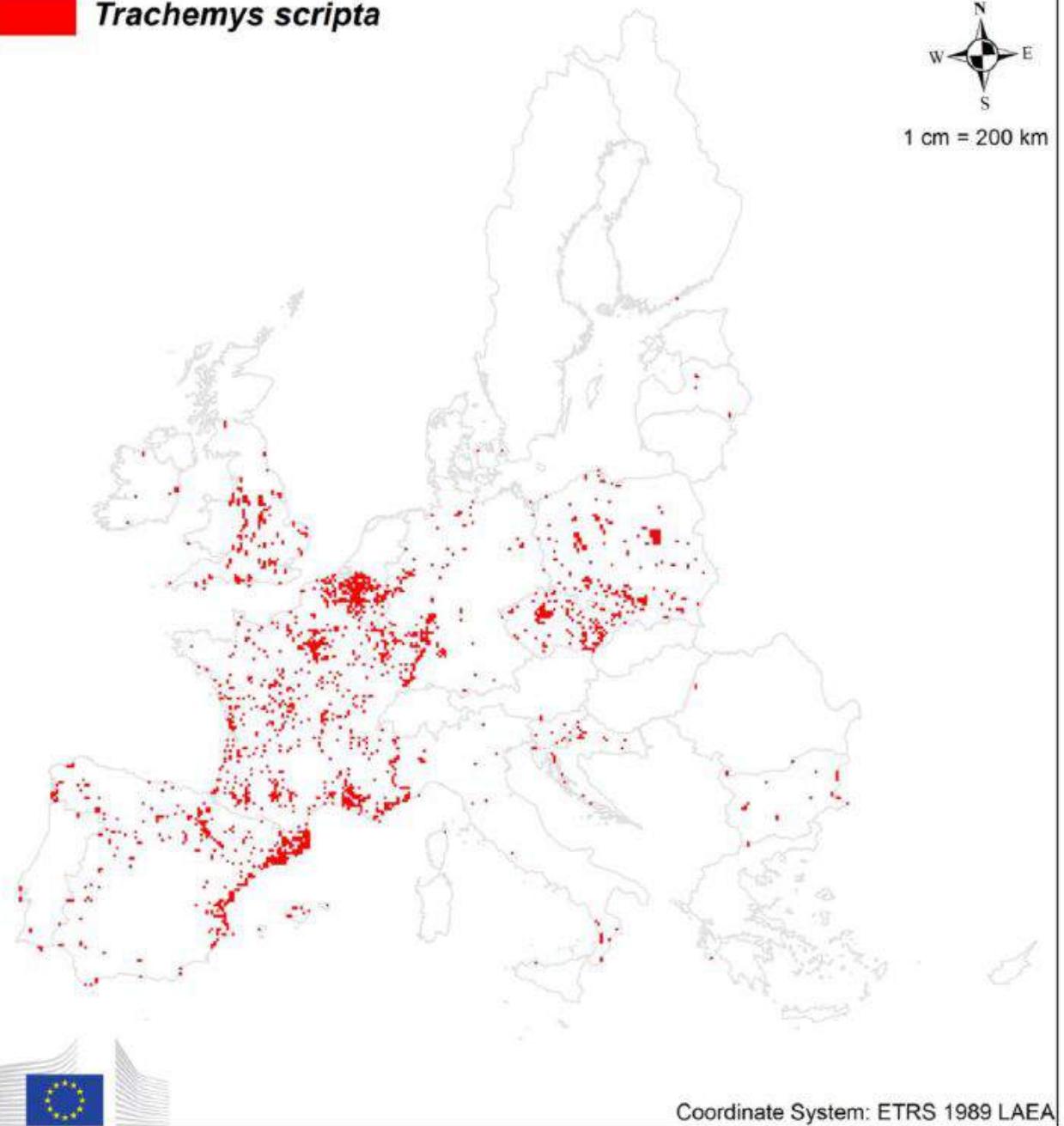
Tortue de Floride

Rotwangen- & Gelbwangen(schmuck)schildkröte

Trachemys scripta



Figure 40. Grid-level (10x10 km) baseline distribution of *Trachemys scripta* in EU. The species is also present in CY, EE (Casual), NL (Casual) and SE (Casual) but no georeferenced data are available. Within the binomial *T. scripta* three subspecies are included: *T. scripta scripta*, *T. scripta elegans*, and *T. scripta troostii*.



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Distribution map of *Trachemys scripta elegans* WIED-NEUWIED, 1839 in Luxembourg. [Recorder database](#), MHNHL, 20.03.2018.



Nilgans

Ouette d'Egypte

Egyptian goose

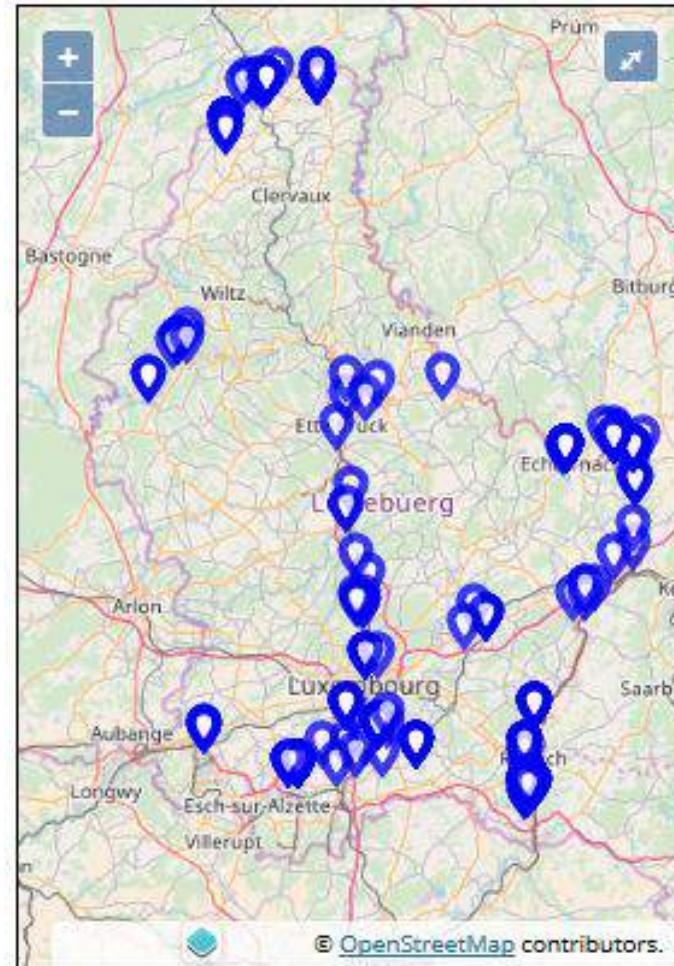
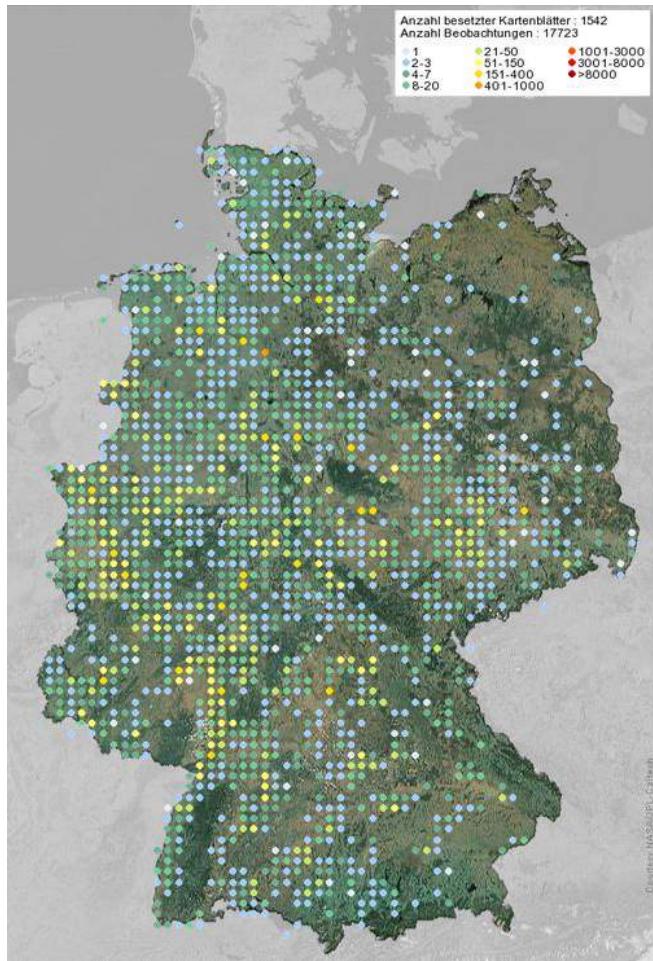


B3: Watch list

Aves - *Alopochen aegyptiacus*



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ornitho.de - casual sightings in 2018.
20.03.2018

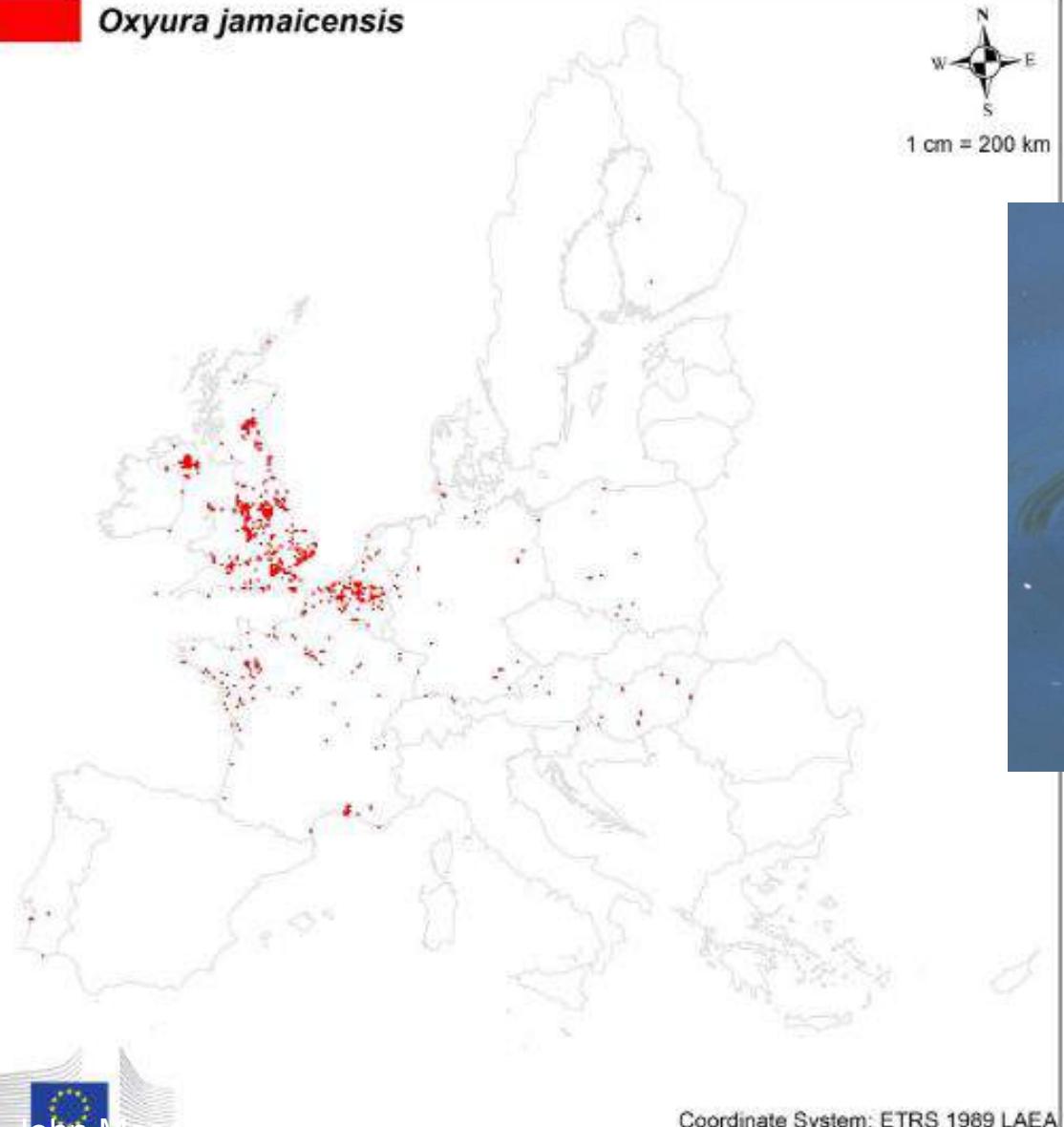
Distribution map of *Alopochen aegyptiacus* L. in Luxembourg. [Recorder database](#), MHNHL, 20.03.2018.

Aves - *Oxyura jamaicensis*



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Oxyura jamaicensis



Schwarzkopf-Ruderente
Ruddy duck
Erismature rousse



John Moser

Figure 27. Grid-level (10x10 km) baseline distribution of *Oxyura jamaicensis* in EU. The species is also present in DK (Casual), CZ and IT but no georeferenced data are available.

Aves - *Threskiornis aethiopicus*



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Threskiornis aethiopicus



Bernard Gagnon

<https://commons.wikimedia.org/w/index.php?curid=65812785>

Heiliger Ibis
Ibis sacré
African sacred ibis



Coordinate System: ETRS 1989 LAEA

Figure 39. Grid-level (10x10 km) baseline distribution of *Threskiornis aethiopicus* in EU. The species is also present in AT (Casual), CZ (Casual), DK (Casual), DE, EL, NL (Casual) and PT but no georeferenced data are available.



Glanzkrähe
Corbeau familier/Corneille de l'Inde

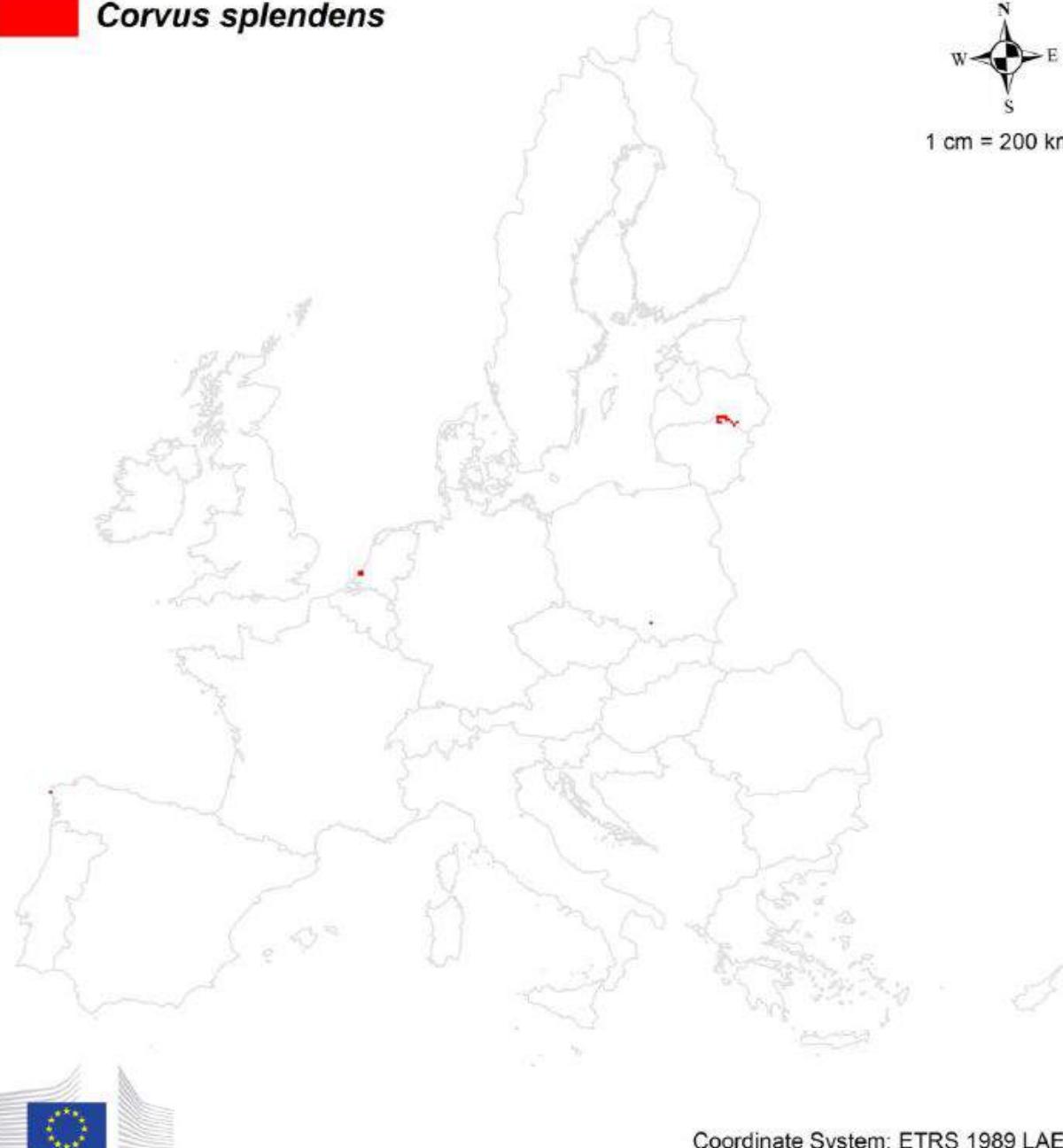


Figure 9. Grid-level (10x10 km) baseline distribution of *Corvus splendens* in EU. The species is also present in FR (Casual), EL and HU but no georeferenced data are available.



Callosciurus erythraeus, Pallas's Squirrel, Écureuil à ventre rouge, Pallashörnchen

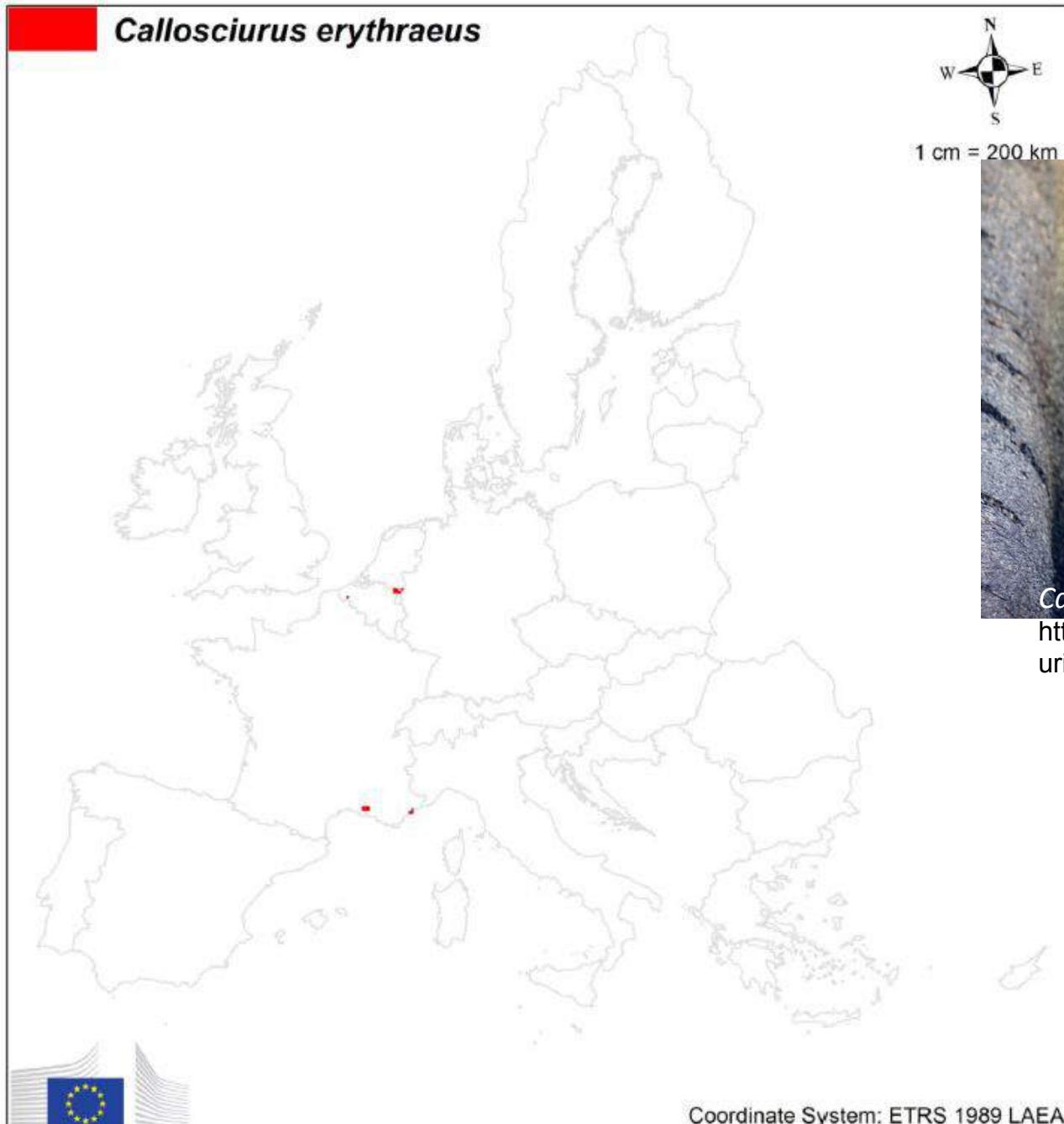
Sciurus carolinensis, Eastern Gray Squirrel, écureuil gris, Grauhörnchen

Sciurus niger, Eastern Fox Squirrel, écureuil fauve, Fuchshörnchen

Tamias sibiricus, Siberian Chipmunk, Tamia de Sibérie/Ecureuil de Corée, Burunduk, Gestreiftes Backenhörnchen



Callosciurus erythraeus By J. Patrick Fischer
<https://commons.wikimedia.org/w/index.php?curid=30804457>



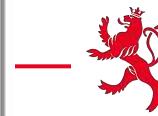
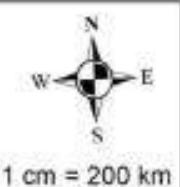
Pallas's Squirrel
Écureuil à ventre rouge
Pallashörnchen

BE: A1, Black list

13

Figure 8. Grid-level (10x10 km) baseline distribution of *Callosciurus erythraeus* in EU. The species is also present in IT but no georeferenced data are available.

Sciurus carolinensis



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Sciurus carolinensis BirdPhotos.com
<https://commons.wikimedia.org/w/index.php?curid=9645353>

Eastern Gray Squirrel
écureuil gris
Grauhörnchen

BE: A0, Alert list



1 cm = 200 km



Coordinate System: ETRS 1989 LAEA



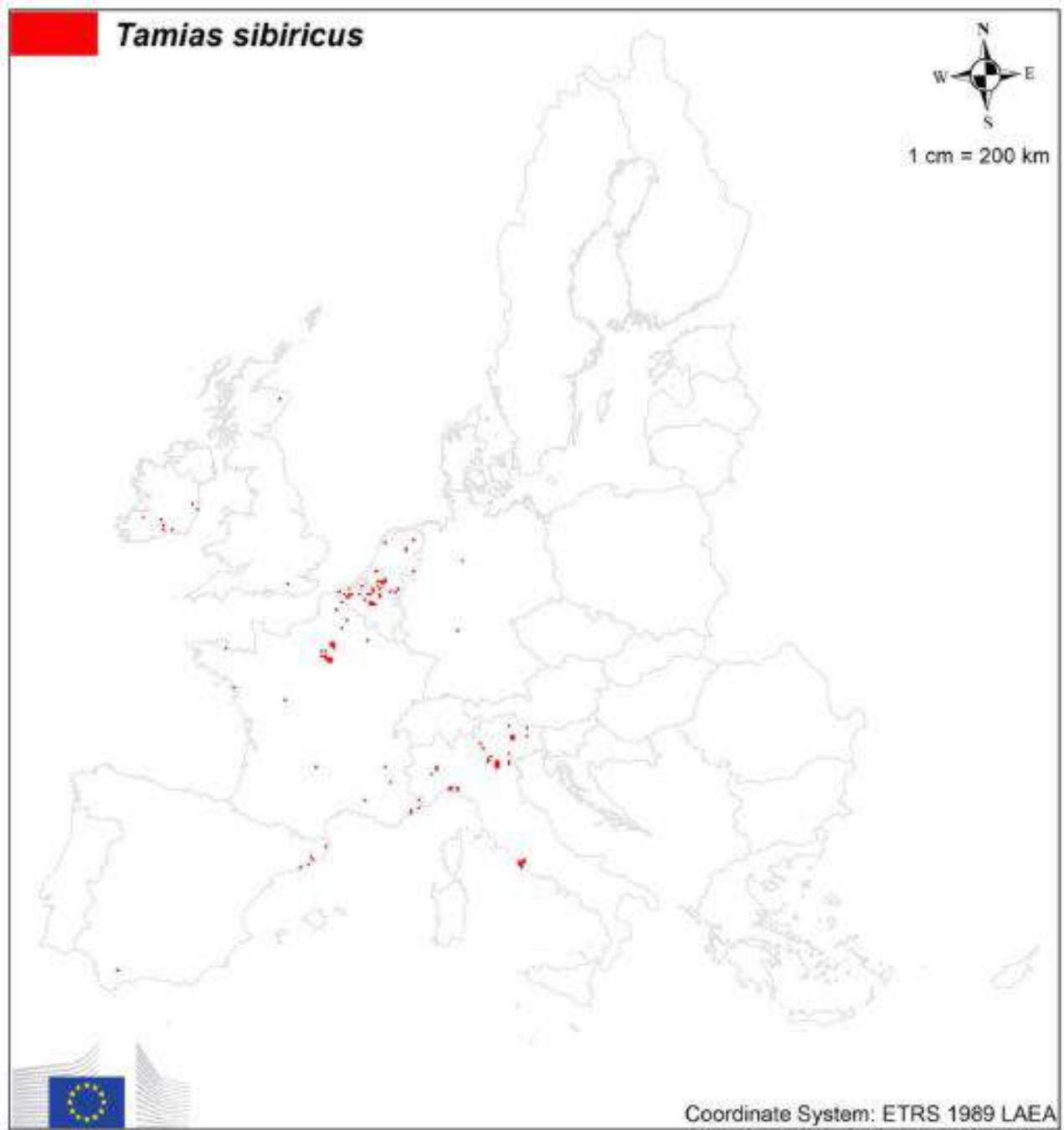
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*Sciurus niger; Davefoc,
Wikicommons*

Eastern Fox Squirrel
écureuil fauve
Fuchshörnchen

Tamias sibiricus



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Tamias sibiricus AndiW
<https://commons.wikimedia.org/w/index.php?curid=49109>

Tamia de
Sibérie/Ecureuil de
Corée, Burunduk,
Gestreiftes
Backenhörnchen

BE: B1, Watch list

16

Figure 38. Grid-level (10x10 km) baseline distribution of *Tamias sibiricus* in EU.

Mammalia - *Ondatra zibethicus*



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Distribution map of *Ondatra zibethicus* LINNAEUS,
1766 in Luxembourg. [Recorder database](#), [MNHNL](#),
20.03.2018.



Muskrat
Bisam
Rat musqué

B3: Watch list



Myocaster coypus

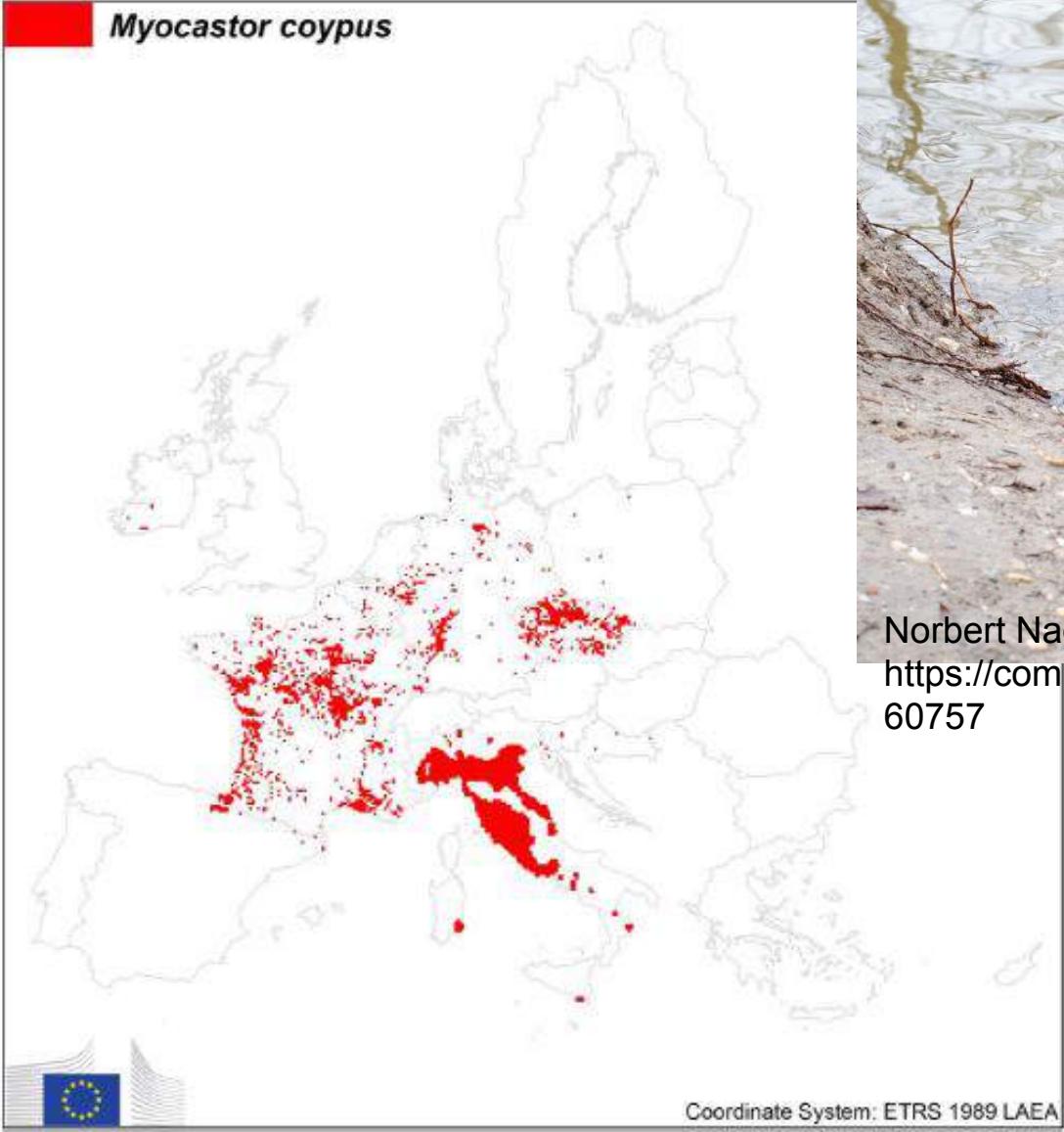


Figure 22. Grid-level (10x10 km) baseline distribution of *Myocaster coypus* in EU. The species is also present in AT, BG, DK, HU, EL, RO and SK but no georeferenced data are available.



Norbert Nagel

<https://commons.wikimedia.org/w/index.php?curid=23360757>

Coypu
Nutria/Biberratte
Ragondin

C0

Mammalia - *Myocaster coypus*



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Beaver

Nutria

Muskrat

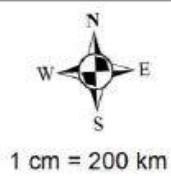
Groundhog

Mammalia - *Herpestes javanicus*

Herpestes javanicus



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Kleiner Mungo
Mangouste de Java
small Asian mongoose



Nasua nasua



Rufus 46

South American coati
Südamerikanischer
Nasenbär
Coati roux



Procyon lotor

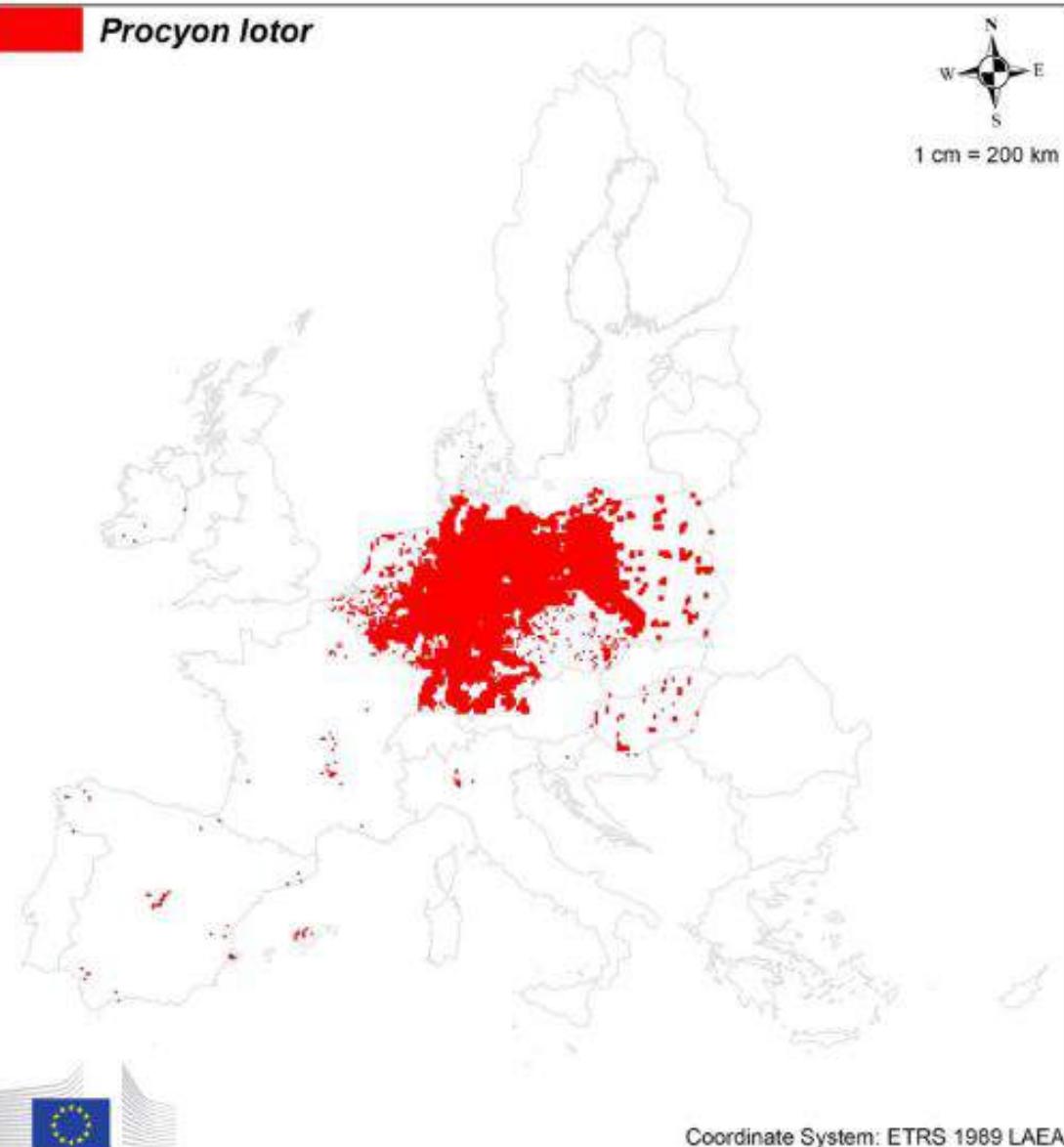


Figure 33. Grid-level (10x10 km) baseline distribution of *Procyon lotor* in EU. The species is also present in LT, RO, SK and UK (Casual) but no georeferenced data are available.



Darkone

<https://commons.wikimedia.org/w/index.php?curid=260394>

Racoon

Waschbär

Raton laveur

C3: Established

Procyon lotor



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GESCHOSSENE WASCHBÄREN pro km²
Ratons tueurs tirés par km²

2014 - 2015

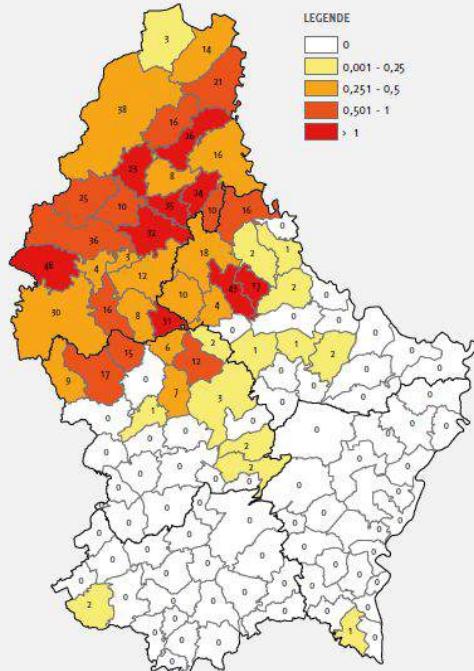


GESCHOSSENE WASCHBÄREN pro km²
Ratons tueurs tirés par km²

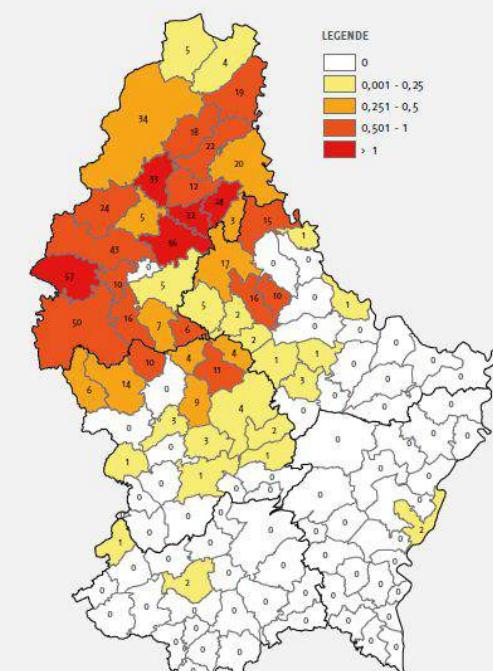
2015 - 2016

LEGENDE

0
0,001 - 0,25
0,251 - 0,5
0,501 - 1
> 1

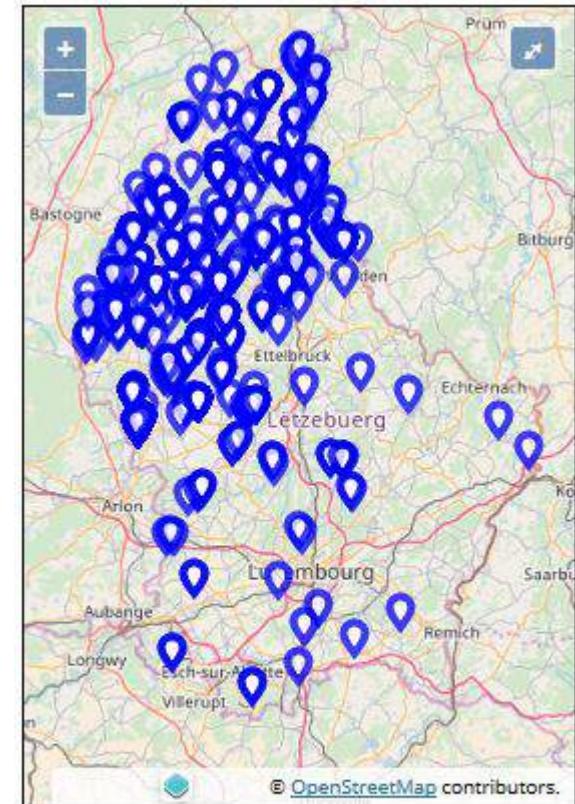


ANF, 694 + 66



ANF, 648 + 80

2016/17: ANF, 790 + 106

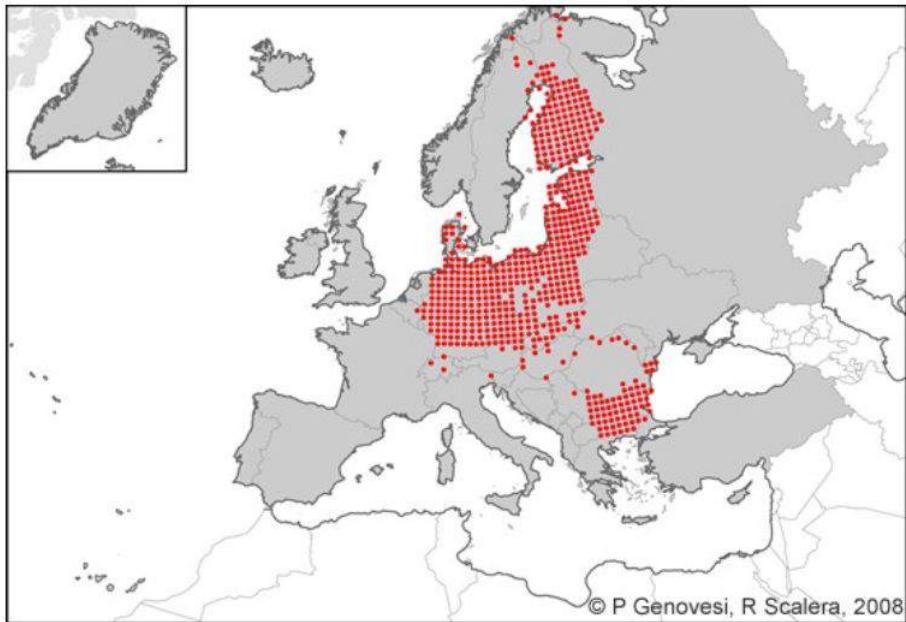


Distribution map of *Procyon lotor* LINNAEUS, 1758 in Luxembourg. [Recorder database](#), [MNHNL](#), 20.03.2018.

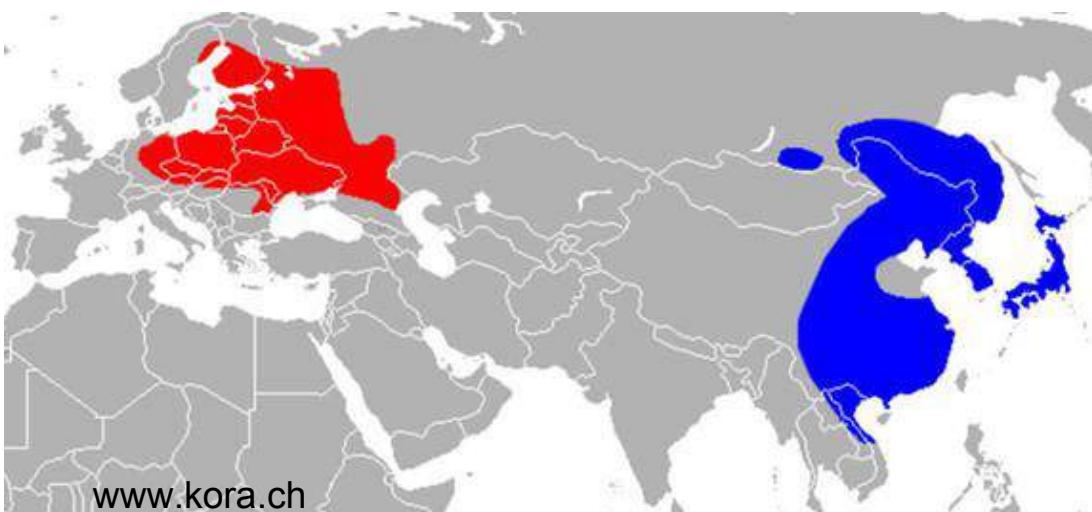
Mammalia - *Nyctereutes procyonoides*



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© Oliver Giel & Raimund Linke www.tierfotograf.com



Racoon dog
Marderhund
Chien viverrin

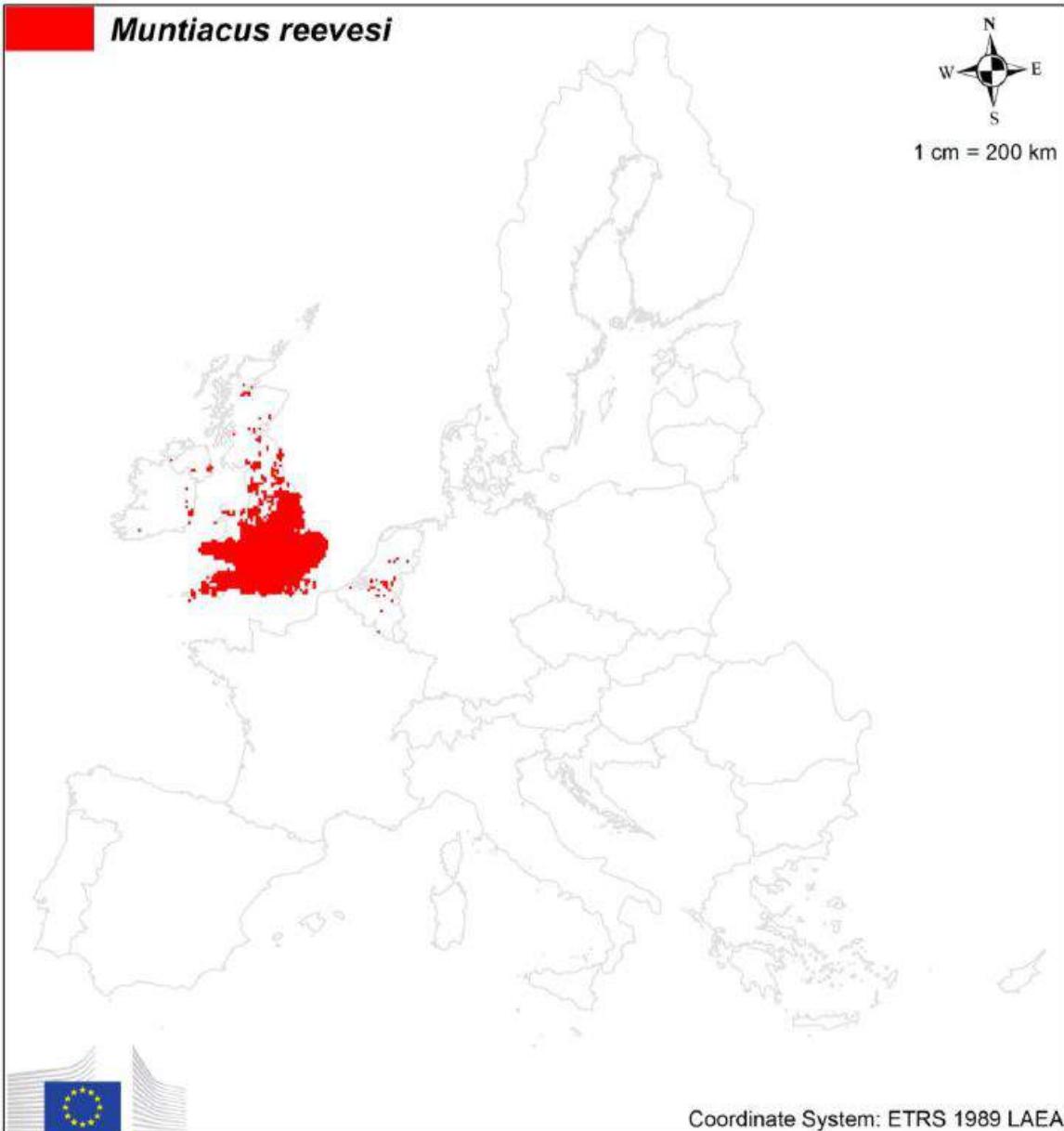
C0

Mammalia - *Muntiacus reevesi*



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Muntiacus reevesi



ARKIVE
www.arkive.org



Chinese muntjac
Chinesischer Muntjak
Muntjac de Reeves

26

Figure 21. Grid-level (10x10 km) baseline distribution of *Muntiacus reevesi* in EU. The species is also present in DK but no georeferenced data are available.

Credits



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EU-maps: Tsiamis K; Gervasini E; Deriu I; D`amico F; Nunes A; Addamo A; De Jesus Cardoso A. Baseline Distribution of Invasive Alien Species of Union concern. Ispra (Italy): Publications Office of the European Union; 2017, EUR 28596 EN, doi:10.2760/772692

LU-maps: neobiota.lu and/or recorder