



## WORKSHOP

Assessment of current and future  
Invasive Alien plant Species (IAS)  
in European coastal dune  
ecosystems

19-20(-21) May 2022

De Westhoek, De Panne, Belgium



Vlaanderen  
is natuur

AGENTSCHAP  
NATUUR & BOS



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RESEARCH INSTITUTE  
NATURE AND FOREST

## Whereas:

- (1) Commission Implementing Regulation (EU) 2016/1141<sup>2</sup> establishes a list of invasive alien species of Union concern ('the Union list'), which is to be kept updated as appropriate, in accordance with Article 4(2) of Regulation (EU) No 1143/2014.
- (2) The Commission has concluded, on the basis of the available evidence and the risk assessments carried out pursuant to Article 5(1) of Regulation (EU) No 1143/2014, that all criteria set out in Article 4(3) of that Regulation are met for the following invasive alien species: *Ameiurus melas* (Rafinesque, 1820), ~~*Ameiurus nebulosus* (Lesueur, 1819)~~, *Axis axis* (Erxleben, 1777), *Boccardia proboscidea* Hartman, 1940, *Callosciurus finlaysonii* (Horsfield, 1823), ~~*Castor canadensis* Kuhl, 1820~~, *Celastrus orbiculatus* Thunb., *Channa argus* (Cantor, 1842), *Faxonius rusticus* (Girard, 1852), *Fundulus heteroclitus* (Linnaeus, 1766), *Gambusia affinis* (Baird & Girard, 1853), *Gambusia holbrooki* Girard, 1859, *Hakea sericea* Schrad. & J.C.Wendl., *Koentzia polystachya* (Wall. ex Meisn.) T.M.Schust. & Reveal, ~~*Lagocephalus sceleratus* (Gmelin, 1789)~~, *Lampropeltis getula* (Linnaeus, 1766), *Limnoperna fortunei* (Dunker, 1857), *Morone americana* (Gmelin, 1789), *Perna viridis* (Linnaeus, 1758), *Phytolacca americana* L., *Pistia stratiotes* L., ~~*Pterois miles* (Bennett, 1828)~~, *Pycnonotus cafer* (Linnaeus, 1766), *Rugulopteryx okamurae* (E.Y.Dawson) I.K.Hwang, W.J.Lee & H.S.Kim, 2009, ~~*Schizoporella japonica* Ortmann, 1890~~, *Solenopsis geminata* (Fabricius, 1804), *Solenopsis invicta* Buren, 1972, *Solenopsis richteri* Forel, 1909, *Wasmannia auropunctata* (Roger, 1863) and *Xenopus laevis* (Daudin, 1802).
- (3) The Commission has concluded that for all those invasive alien species all elements set out in Article 4(3) of Regulation (EU) No 1143/2014 have been duly considered.

(i)
' <i>Ameiurus melas</i> (Rafinesque, 1820)
<del>'<i>Ameiurus nebulosus</i> (Lacépède, 1819)</del>
' <i>Axis axis</i> (Erxleben, 1777)
<del>'<i>Bucconia probovialis</i> Hartman, 1940</del>
' <i>Callosciurus finlaysonii</i> (Horsfield, 1823)
<del>'<i>Casio canadensis</i> Rafin., 1820</del>
' <i>Celastrus orbiculatus</i> Thunb.
' <i>Channa argus</i> (Cantor, 1842)
' <i>Faxonius rusticus</i> (Girard, 1852)
' <i>Gambusia affinis</i> (Baird & Girard, 1853)
' <i>Gambusia holbrooki</i> Girard, 1859
' <i>Hakea sericea</i> Schrad. & J.C.Wendl.
' <i>Koenigia polystachya</i> (Wall. ex Meisn.) T.M.Schust. & Reveal
<del>'<i>Lagoccephalus scleratus</i> (Gmelin, 1789)</del>
' <i>Lampropeltis getula</i> (Linnaeus, 1766)
' <i>Limnoperna fortunei</i> (Dunker, 1857)
' <i>Morone americana</i> (Gmelin, 1789)
<del>'<i>Peromyscus</i> (Linnaeus, 1759)</del>
<del>'<i>Phytolacca americana</i> L.</del>
' <i>Pistia stratiotes</i> L.
<del>'<i>Perotis miles</i> (Bennett, 1826)</del>
' <i>Pycnonotus cafer</i> (Linnaeus, 1766)
' <i>Rugulopteryx okamurae</i> (E.Y.Dawson) I.K.Hwang, W.J.Lee & H.S.Kim, 2009
<del>'<i>Schizoperella japonica</i> Ootsumi, 1890</del>
' <i>Solenopsis geminata</i> (Fabricius, 1804)

(i)
' <i>Solenopsis invicta</i> Buren, 1972
' <i>Solenopsis richteri</i> Forel, 1909
' <i>Wasmannia auropunctata</i> (Roger, 1863)

(2) in the table, the following species are

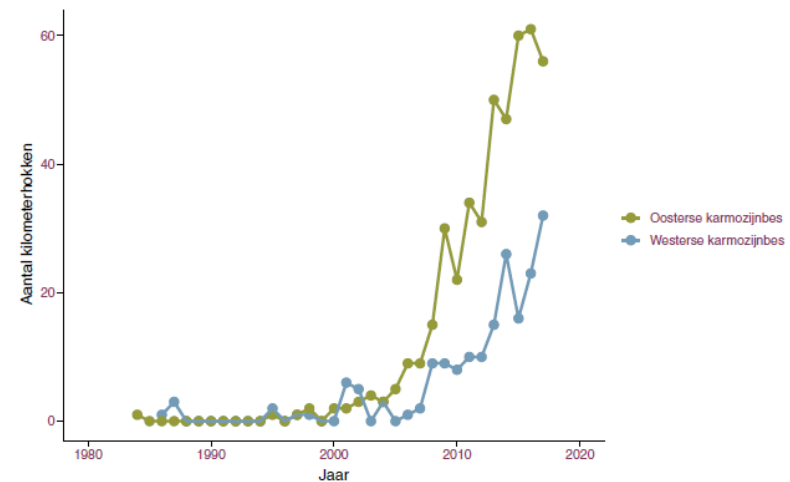
Species
(i)
' <i>Fundulus heteroclitus</i> (Linnaeus, 1766)
' <i>Xenopus laevis</i> (Daudin, 1802)

Dropped, not listed

- \**Ameiurus nebulosus*
- \**Boccardia proboscidea*
- Castor canadensis*
- \**Lagocephalus scleratus*
- \**Perna viridis*
- \**Phytolacca americana*
- Pterois miles*
- \**Schizoporella japonica*



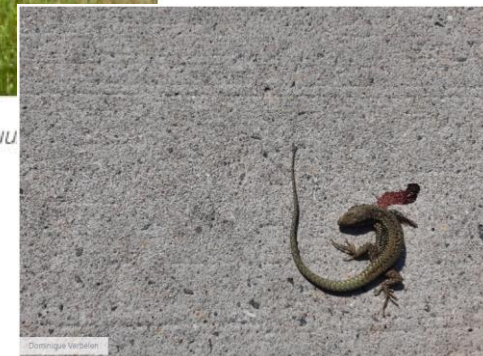
De typische hangende bessentrossen van Westerse karmozijnbes op een groeiplaats in Merelbeke, Oost-Vlaanderen. (© Edward Verduyck)



# Dropped, not listed



*Met waarschuwingsborden worden fietsers geïnformeerd over de aanwezigheid van overstekende muurhagedissen (foto: Bénédicte Vispoel).*



# Mitigation



*Figuur 43: Gedurende een deel van het groeiseizoen zorgt overhangende Japanse duizendknoop ervoor dat een deel van het fietspad minder aantrekkelijk is voor fietsers, wat een positief effect kan hebben op het aantal dode hagedissen (foto: Dominique Verbelen, 13/06/2021).*

Senecio brasiliensis  
Cortaderia selloana

Pentaglottis sempervirens  
Oenothera biennis

Carex kobomugi  
Buddleja davidii  
Lonicera maackii  
Lonicera nitida  
Prunus laurocerasus  
Lupinus nootkatensis

Euphorbia virgata  
Arundo donax  
Miscanthus sinensis

### Research Article

## *Senecio brasiliensis* (Spreng.) Less. (Asteraceae), another potentially invasive alien species in Europe

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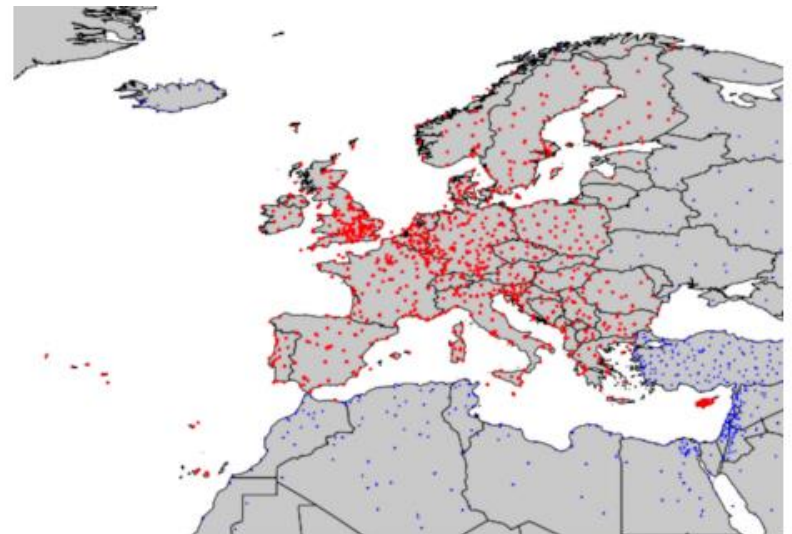
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**Figure 3.** Target area for the climate match analysis showing (red dots) the distribution of the climatic samples ( $n = 1248$ , area coverage =  $4,943,225 \text{ km}^2$ ). Blue dots refer to meteorological stations located outside the study area. For further description on the features of the climatic

# Invasive orchids: *weeds we hate to love*



*Spiranthes cernua x odorata*





Joining Breakout Rooms...

Breakout Room 1

It may take a few moments.

Salties	Sandies	Shrubbies
<i>Tim Adriaens</i>	<i>Bram D'hondt</i>	<i>Sam Provoost</i>
Martijn van de Loo	Benoît DELANGUE	John Houston
Janneke van der loop	Berea Rodríguez Adesso	Isabelle Spall
Marta Pérez Diz	Noa Núñez González	Marc Leten
Indra Jacobs	Patrik Oosterlynck	Wouter Van Landuyt
Frédérique Steen	Jasmijn Hillaert	Kathryn Hewitt
Luc Geelen	Johannes Jansen	Paul Rooney
Jake Burton	Robbe Paredis	Reinhardt Strubbe
Kris Lesage	Edward Vercruysse	Johan Lamaire
Guy Vileyn	Jane Reniers	Sander Carael
<b>49 species</b>	<b>210 species</b>	<b>167 species</b>

Day 2