

Hoe kom ik eigenlijk op de Unielijst terecht

Tim Adriaens, INBO



Vlaanderen
is wetenschap

INSTITUUT
Natuur- en Bosonderzoek

Werkgroep Invasieve Uitheemse soorten
18 juni 2024, Webbekomsbroek Diest

De “Unielijst”, wat is dat

4.11.2014

EN

Official Journal of the European Union

L 317/35

**REGULATION (EU) No 1143/2014 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 22 October 2014
on the prevention and management of the introduction and spread of invasive alien species**

https://environment.ec.europa.eu/topics/nature-and-biodiversity/invasive-alien-species_en

88

invasive alien species
are strictly regulated

47

animal species of Union
concern

41

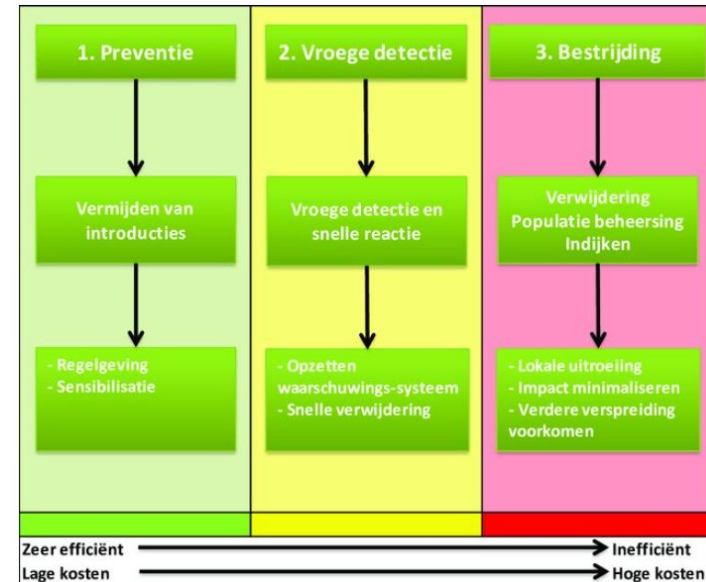
plant species of Union
concern

De Unielijst wat is dat

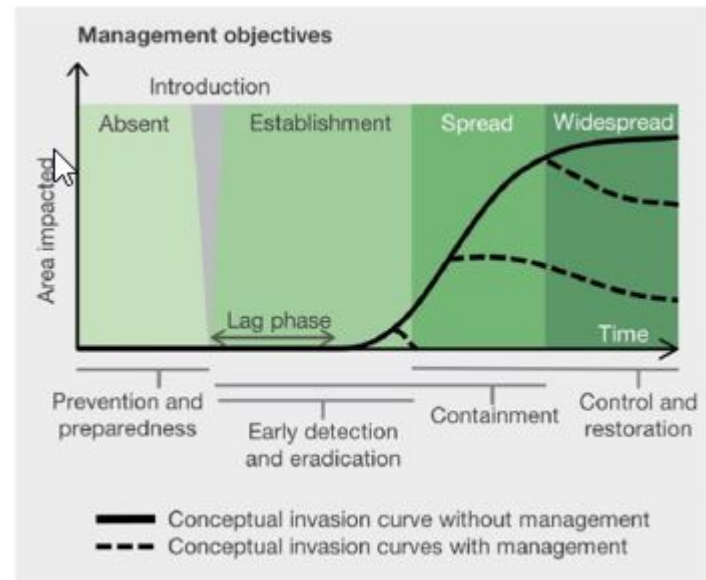
Lijst van voor de Europese Unie zorgwekkend invasieve uitheemse soorten

- Import, handel, kweek, bezit, vrijlaten **verboden** (preventie)
- **Actieplannen** voor niet-intentionele introducties (preventie)
- **Surveillance** systemen
- Snelle **uitroeiing** van nieuwe populaties
- **Beheer** van gevestigde populaties

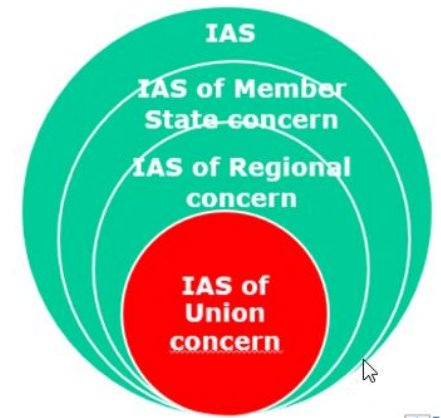
Adriaens et al. (2015)



IPBES (2024) IAS assessment



Voorwaarden om op de Unielijst te komen



- **uitheems** op het grondgebied van de Unie (excl. overzeese gebieden)
- in staat **leefbare populatie** te vormen onder huidig/toekomstig klimaat
- in staat te vestigen/verspreiden in minstens één biogeografische regio die door **meer dan twee lidstaten** wordt gedeeld
- waarschijnlijk **nadelige gevolgen voor de biodiversiteit/ESD**
- **gecoördineerd optreden** op Unieniveau nodig om introductie, vestiging of verspreiding te voorkomen
- opnemen van de soort **voorkomt/beperkt negatieve impact**



The crazy 88



The crazy 88

CHECKLIST DATASET | REGISTERED MARCH 21, 2023

List of Invasive Alien Species of Union concern

Published by [Research Institute for Nature and Forest \(INBO\)](#)

Adriaens T • Oldoni D

[DATASET](#) [TAXONOMY](#) [PROJECT](#) [METRICS](#) [DOWNLOAD](#)

98 RECORDS

The List of Invasive Alien Species of Union concern (also called the Union list) is a species checklist dataset published by the Research Institute of Nature and Forest (INBO). This list contains regulated invasive alien species (IAS) that require action at European Union Level, and is at the core of Regulation (EU) 1143/2014 on the prevention and management of the introduction and spread of IAS (the IAS Regulation). The list has an evidence base in risk assessments, showing potentially signific... [More](#)

Project ID: LIFE RIPARIAS

Publication date: March 22, 2023

Metadata last modified: March 22, 2023

Hosted by: [Research Institute for Nature and Forest \(INBO\)](#)

Licence: CC0 1.0

[How to cite](#) [DOI](#) 10.15468/97aucj

88
Accepted names

10
Synonyms

100%
Overlap with GBIF Backbone

42%
Overlap with Catalogue of Life

<https://doi.org/10.15468/97aucj>

Situatie Vlaanderen

40 hebben we (nog) niet
15 sporadisch aanwezig
33 met populaties

| | | | |
|--------------------------------------|--------------------------------------|-----------------------------------|-------------------------------|
| Afwezig | oostelijk muskietenvisje | fraai lampenpoetsersgras | grote waterteunisbloem |
| alligatorkruid | oosterse hop | gewone gunnera | hemelboom |
| Amerikaans bezemgras | Perzische berenklaauw | grijze eekhoorn | invasieve duizendknopen |
| Amerikaanse baars | rode neusbeer | heilige ibis | kleine waterteunisbloem |
| amoergrondel | rode vuurmier | Japans steltgras | lettersierschildpad |
| axishert | roestbruine Amerikaanse rivierkreeft | Noord-Aziatische modderkruiper | marmerkreeft |
| ballonrank | roodbuikbuulbuul | Pallas' eekhoorn | moerasaronskelk |
| Chinese struikklover | roze rimpelgras | treurmaina | muskusrat |
| dwergvuurmier | schijnambrosia | wasbeerhond | nijlgans |
| geknoobelde Amerikaanse rivierkreeft | smalle theeplant | waterhyacint | ongelijkbladig vederkruid |
| gestekelde duizendknoop | Sosnowsky's berenklaauw | waterwaaier | parelvederkruid |
| gewone koningsslang | talgboom | Aanwezig | reuzenbalsemien |
| gouden mossel | Thailandeekhoorn | Afghaanse duizendknoop | reuzenberenklaauw |
| grote vlotvaren | tropische vuurmier | alsemambrosia | rode Amerikaanse rivierkreeft |
| hakea | westelijk muskietenvisje | Amerikaanse nerts | rosse stekelstaart |
| hoog pampagras | wilgacacia | Amerikaanse stierkikker | Siberische grondeekhoorn |
| huiskraai | zwarte dwergmeerval | Aziatische hoornaar | smalle waterpest |
| Indische mangoeste | zwarte vuurmier | beverrat | struikaster |
| Japane klimvaren | Sporadisch | blauwbandgrondel | verspreidbladige waterpest |
| kudzu | Afrikaanse klauwkikker | Canadese gans | wasbeer |
| mesquite | Amerikaanse voseekhoorn | Chinese muntjak | watercrassula |
| mummichog | Aziatische boomwurper | Chinese wolhandkrab | watersla |
| Nieuw-Zeelandse platworm | Aziatische tijgermug | gevlekte Amerikaanse rivierkreeft | zijdeplant |
| noordelijke slangekopvis | Californische rivierkreeft | grote waternavel | zonnebaars |

D'hondt et al. (2022) PriUS rapport
doi.org/10.21436/inbor.88096226

Unielijst soorten (to be)

- Dynamische lijst
- 2018: 49 spp. / 2020: 66 spp. / 2023: 88 spp.
- 4de update voorzien **maart-april 2025: 31 soorten**

Positieve opinie van het forum

- *Acridotheres cristellatus*
- *Pycnonotus jocosus*
- *Obama nungara*
- *Platydemus manokwari*
- *Bipalium kewense*
- *Marisa cornuarietis*
- *Mulinia lateralis*
- *Delairea odorata*
- *Cervus nippon*
- *Cherax destructor*
- *Asterias amurensis*
- *Broussonetia papyrifera*
- *Callinectes sapidus*
- *Cortaderia selloana*
- *Faxonius immunis*
- *Vespa mandarinia*
- *Castor canadensis*
- *Neovison vison*

Risk assessments net gereviseerd

- *Acacia mearnsii*
- *Brachyponera chinensis*
- *Cherax quadricarinatus*
- *Cipangopalidina chinensis*
- *Misgurnus bipartitus*
- *Misgurnus anguillicaudatus*
- *Myiopsitta monachus*
- *Tradescantia fluminensis*
- *Zostera japonica*

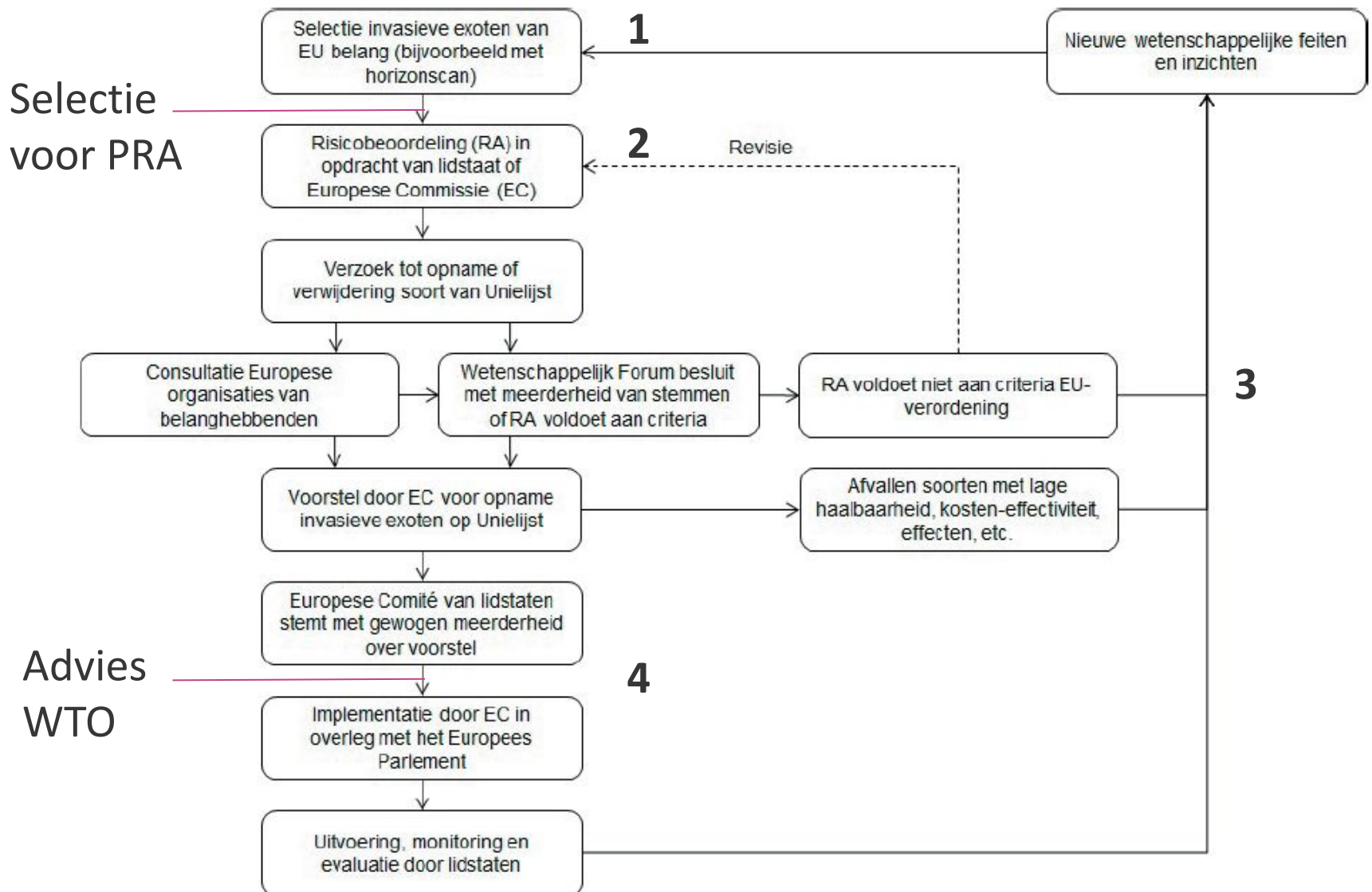
Risk assessments voorgesteld door lidstaten (Nederland)

- *Crassula helmsii*
- *Fallopia japonica*
- *Fallopia sachalinensis*

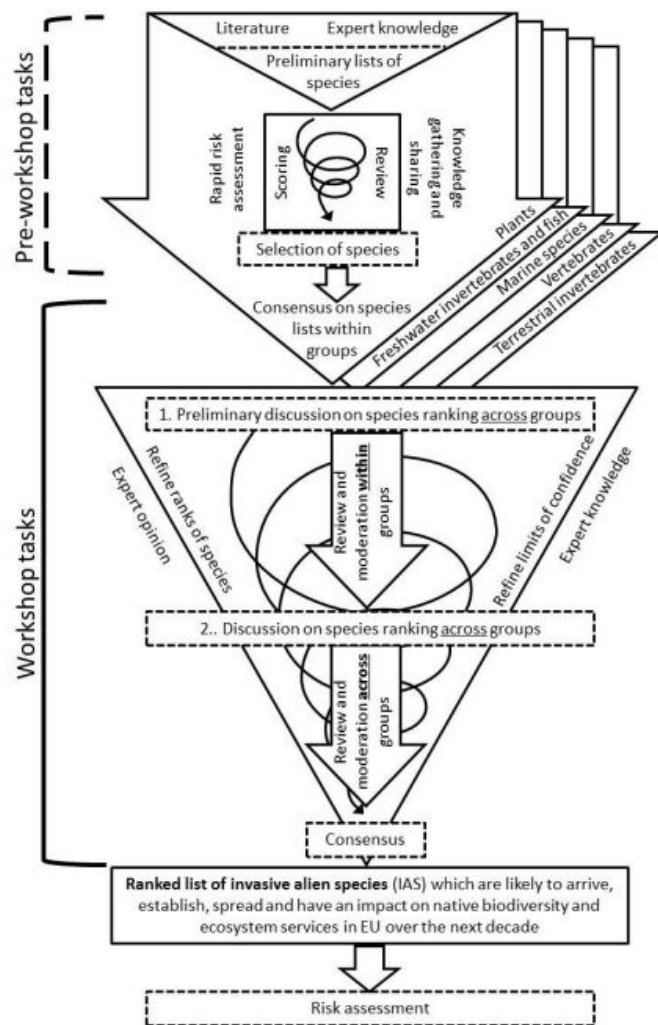
Risk assessments net klaar

- *Amynthus agrestis*
- *Limnobium laevigatum*
- *Lycium ferocissimum*
- *Potamocorbula amurensis*
- *Procambarus acutus*
- *Vallisneria australis*

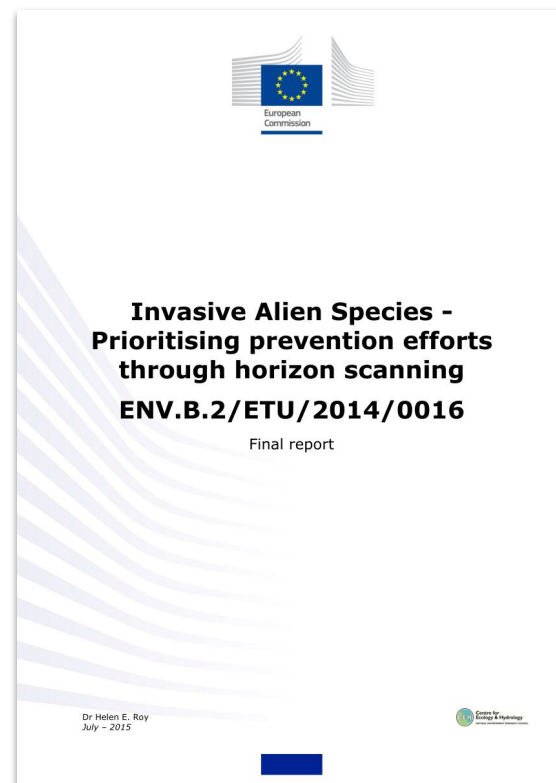
Selectieproces



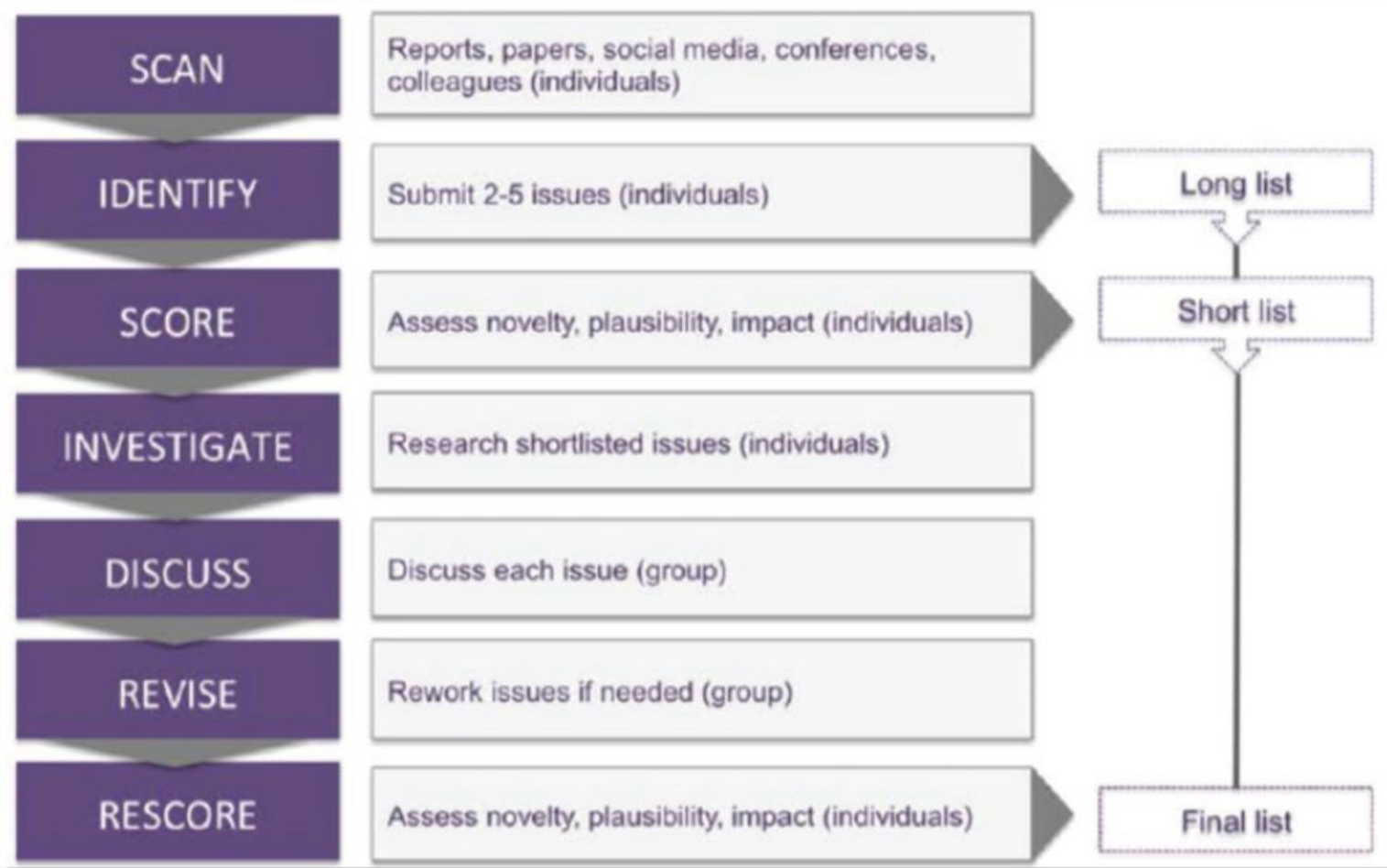
Horizon scanning



- Forecasting methodologie
- Evidence-based (scoring, expert consensus)
- Recurrente activiteit
- Nieuwe HS besteld door EC (workshop oktober 2024)



Method



Sutherland et al., 2011 *Meth Ecol Evol*; Wintle et al., 2017 *eLIFE*

Horizon scans

Biol Invasions
DOI 10.1007/s10530-015-0986-0



ORIGINAL PAPER

Trans-national horizon scanning for invasive non-native species: a case study in western Europe

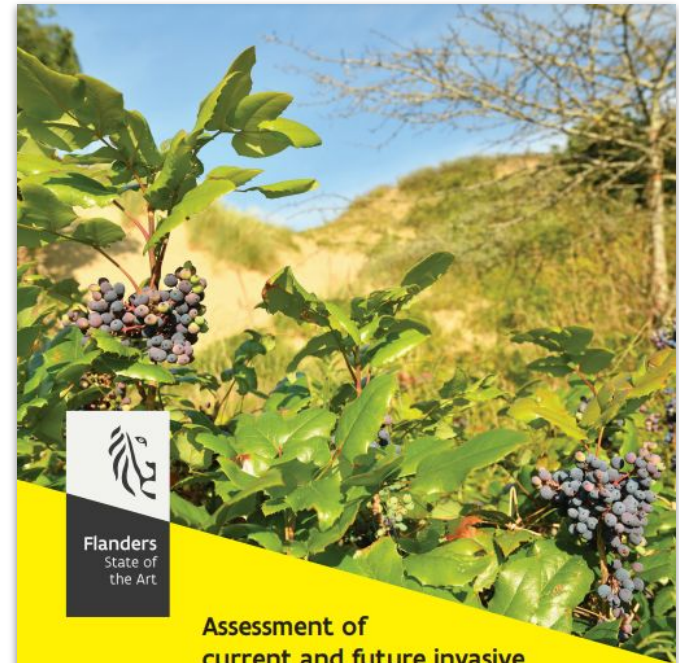
Belinda Gallardo · Alexandra Zieritz · Tim Adriaens ·
Céline Bellard · Pieter Boets · J. Robert Britton · Jonathan R. Newman ·
Johan L. C. H. van Valkenburg · David C. Aldridge

2014

Horizonscanning for new invasive non-native species in the Netherlands



J. Matthews, R. Beringen, R. Creemers, H. Hollander, N. van Kessel, H. van Kleef, S. van de Koppel, A.J.J. Lemaire, B. Odé, G. van der Velde, L.N.H. Verbrugge & R.S.E.W. Leuven



Flanders
State of
the Art

Assessment of
current and future invasive
plants in protected dune habitats
of the Atlantic coastal region

Including management accounts of selected species
for the LIFE DUNIAS project (LIFE20 NAT/BE/001442)

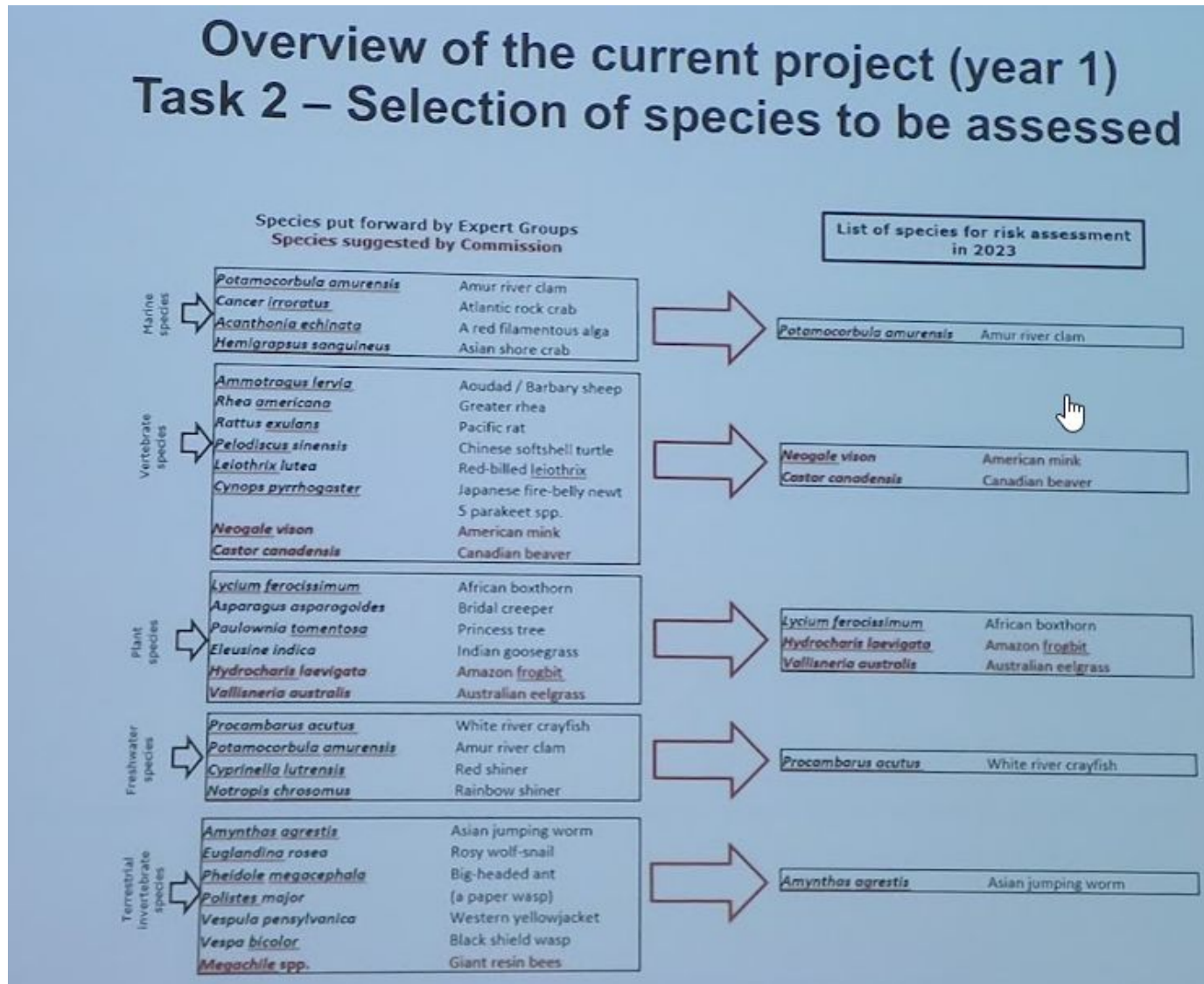
Tim Adriaens, Bram D'hondt, Sander Carael, Debby Deconinck, Sander Devisscher, Jasmijn Hillaert, Indra Jacobs, Johannes Janssen, Patrik Oosterlynck, Reinhardt Strubbe, Wouter Van Gompel, Wouter Van Landuyt, Edward Verduyze, Robbe Paredis, Toon Westra, Sam Provoost

Selectie van soorten voor risicoanalyse

- Geen soorten die elders gereguleerd worden (vb. plantengezondheid)
- Nog niet in de EU of zeer kleine populaties
- Zal waarschijnlijk arriveren in de komende 10 jaar
- Zal impact hebben op biodiversiteit, economie, volksgezondheid
- Beheer is haalbaar (kost, draagvlak, praktisch)

Selectie obv horizon scan


Overview of the current project (year 1) Task 2 – Selection of species to be assessed



Risicoanalyse

- Risico
 - Kans op introductie
 - Kans op vestiging
 - Kans op verspreiding
 - Magnitude of impact
- Moet voldoen aan minimumstandaarden (Delegated Reg):
 - Wetenschappelijk onderbouwd (best beschikbare kennis)
 - Moet antwoord kunnen geven zelfs indien info karig
 - Onzekerheid weergeven
 - Kwaliteitsborging (2 onafhankelijke reviewers)

Developing a framework of minimum standards for the risk assessment of alien species

Helen E. Roy , Wolfgang Rabitsch, Riccardo Scalera, Alan Stewart, Belinda Gallardo, Piero Genovesi, Franz Essl, Tim Adriaens, Sven Bacher, Olaf Booy, Etienne Branquart, Sarah Brunel, Gordon Howard Copp, Hannah Dean, Bram D'hondt, Melanie Josefsson, Marc Kenis, Marianne Kettunen, Merike Linnamagi, Frances Lucy, Angeliki Martinou, Niall Moore, Wolfgang Nentwig, Ana Nieto, Jan Pergl, Jodey Peyton, Alain Roques, Stefan Schindler, Karsten Schönrogge, Wojciech Solarz, Paul D. Stebbing, Teodora Trichkova, Sonia Vanderhoeven, Johan van Valkenburg, Argyro Zenetos ... See fewer authors ^

First published: 15 October 2017 | <https://doi.org/10.1111/1365-2664.13025> | Citations: 139

COMMISSION DELEGATED REGULATION (EU) 2018/968

of 30 April 2018

supplementing Regulation (EU) No 1143/2014 of the European Parliament and of the Council with regard to risk assessments in relation to invasive alien species

Risicoanalyse

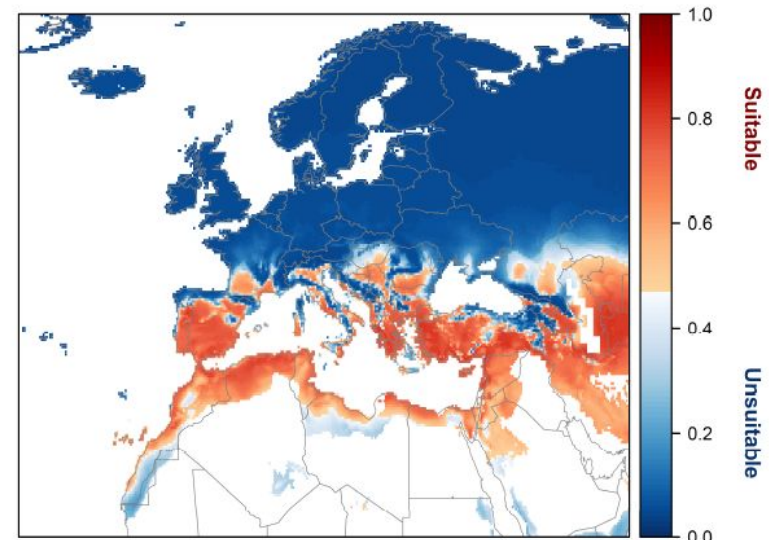
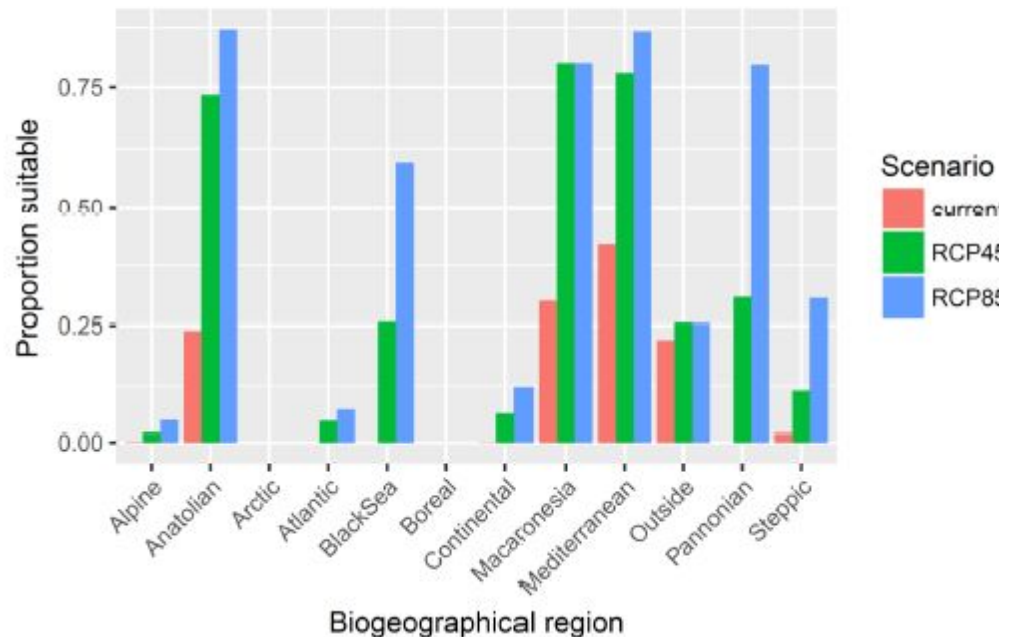
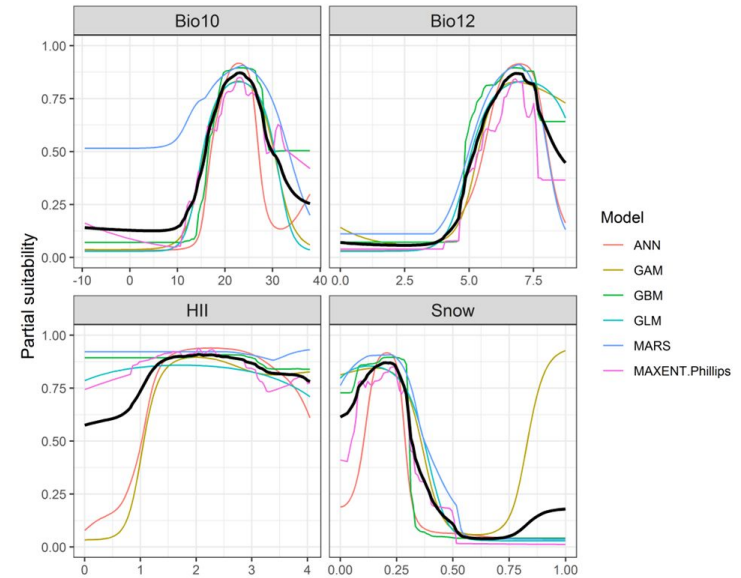
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Soortverspreidingsmodellen

Table 1. Summary of the cross-validation predictive performance (AUC) and variable importances of the fitted model algorithms and the ensemble (AUC-weighted average of the best performing algorithms). Results are the average from models fitted to ten different background samples of the data.

| Algorithm | AUC | Used in the ensemble | Variable importance | | | | |
|-----------|--------|----------------------|--------------------------------------|-------------------------------------|---------------------------|------------------------------|-------------------------|
| | | | Minimum temperature of coldest month | Mean temperature of warmest quarter | Precipitation seasonality | Potential evapotranspiration | Climatic moisture index |
| GAM | 0.7893 | yes | 16% | 31% | 4% | 48% | 1% |
| MARS | 0.7871 | yes | 11% | 34% | 4% | 51% | 0% |
| GBM | 0.7858 | yes | 13% | 32% | 1% | 52% | 1% |
| Maxent | 0.7830 | yes | 17% | 25% | 2% | 55% | 1% |
| FDA | 0.7808 | yes | 8% | 43% | 5% | 43% | 0% |
| ANN | 0.7769 | yes | 11% | 33% | 3% | 50% | 3% |
| GLM | 0.7712 | yes | 11% | 39% | 6% | 44% | 0% |
| CTA | 0.7580 | yes | 12% | 26% | 3% | 54% | 5% |
| RF | 0.6488 | no | 16% | 24% | 14% | 34% | 12% |
| MEMLR | 0.6199 | no | 17% | 9% | 24% | 0% | 50% |
| Ensemble | 0.7900 | | 12% | 33% | 4% | 50% | 2% |



Timing risicoanalyse (1 jaar)



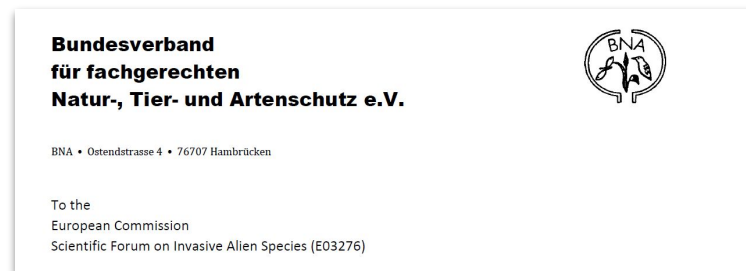
| Date | Task |
|-----------------|--|
| 28 May 2024 | <ul style="list-style-type: none">• Kick-off (KO) Meeting and final list of prioritised species to be risk assessed during the second project year |
| June 2024 | <ul style="list-style-type: none">• Inception Report (incl. final templates) within 1 month after the KO |
| Sep – Nov 2024 | <ul style="list-style-type: none">• Task 1 revisions |
| Dec 2024 | <ul style="list-style-type: none">• Interim Report within 7 months after the KO• Task 1 revisions• First draft of new RA+MN (for internal QC) (incl. SDMs)• Interim payment |
| Jan 24 - Feb 25 | <ul style="list-style-type: none">• Peer-Review |
| Mar 2025 | <ul style="list-style-type: none">• Quality control Workshop within 10 months after the KO |
| 12 May 2025 | <ul style="list-style-type: none">• Final report |

PERSPECTIVEN FOR UMWELT & GEZELLSCHAFT **umweltbundesamt**[®]

drafting, peer review, control, final draft for forum

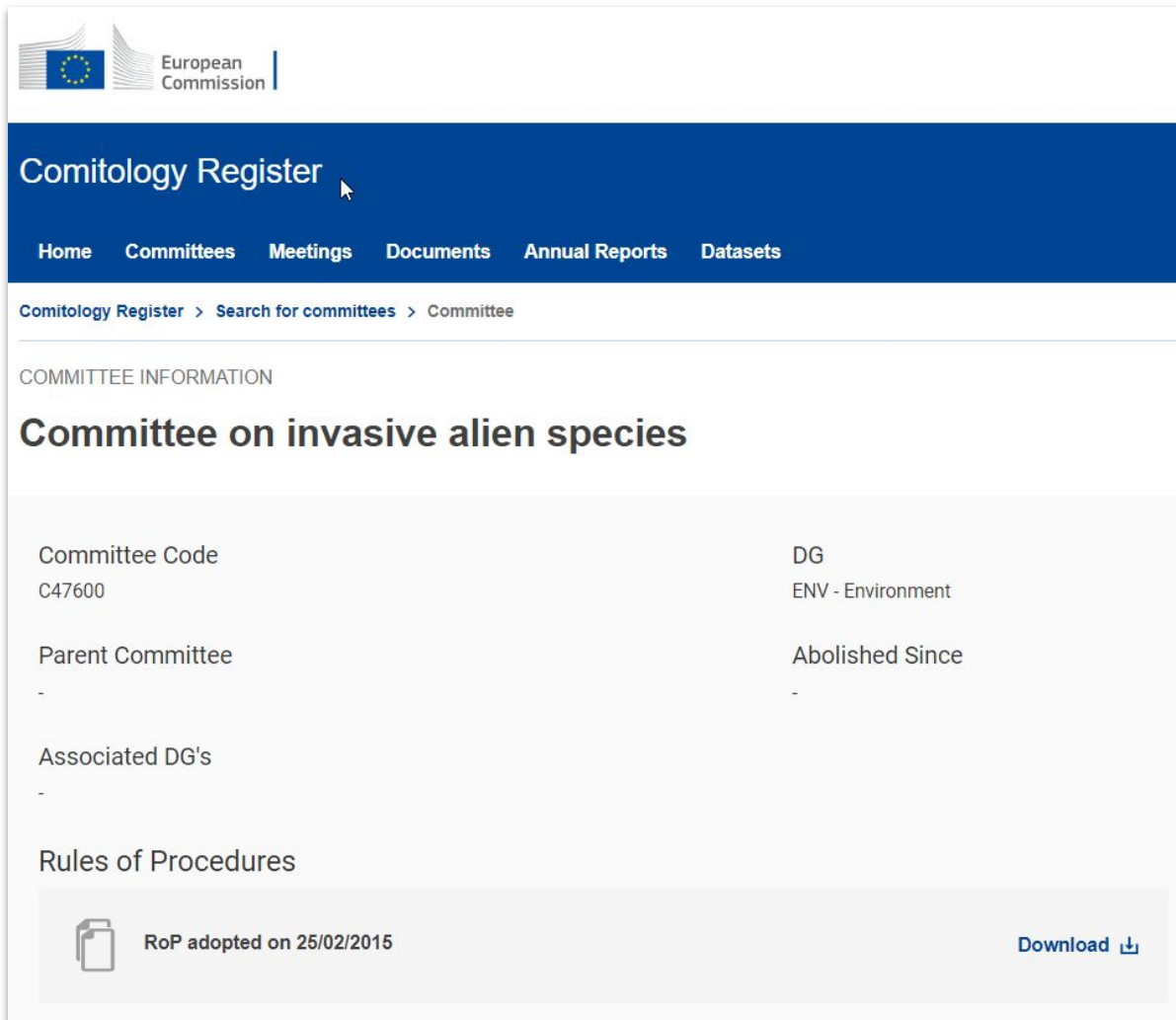
EC Scientific forum

1. Onderzoeker per land
2. Check op kwaliteit
 - a. 5 lidstaten lezen na
3. stakeholderconsultatie
 - a. EU Working Group



| Is the risk assessment fit-for-purpose? | | |
|---|--|---|
| Risk assessment Section* | Criteria to consider when commenting | Reviewers comments (where possible specify which question in the risk assessment your comment relates to) |
| Information on the organism | Is the organism clearly a single taxonomic entity and can it be adequately distinguished from other entities of the same rank? | Y |
| | Are all relevant questions answered and correctly interpreted? | Y |
| | Are all scores/decisions well-reasoned and fully justified? | Y |
| | Is uncertainty correctly reflected and documented? | Y |
| | Are there factual inaccuracies? | N |

EC IAS Committee



The screenshot shows the European Commission's Comitology Register website. At the top left is the European Commission logo. The main header is a dark blue bar with the text "Comitology Register" and a navigation menu with links for "Home", "Committees", "Meetings", "Documents", "Annual Reports", and "Datasets". Below the header, a breadcrumb trail reads "Comitology Register > Search for committees > Committee". The main content area is titled "COMMITTEE INFORMATION" and features the heading "Committee on invasive alien species". Below this, there is a table of information:

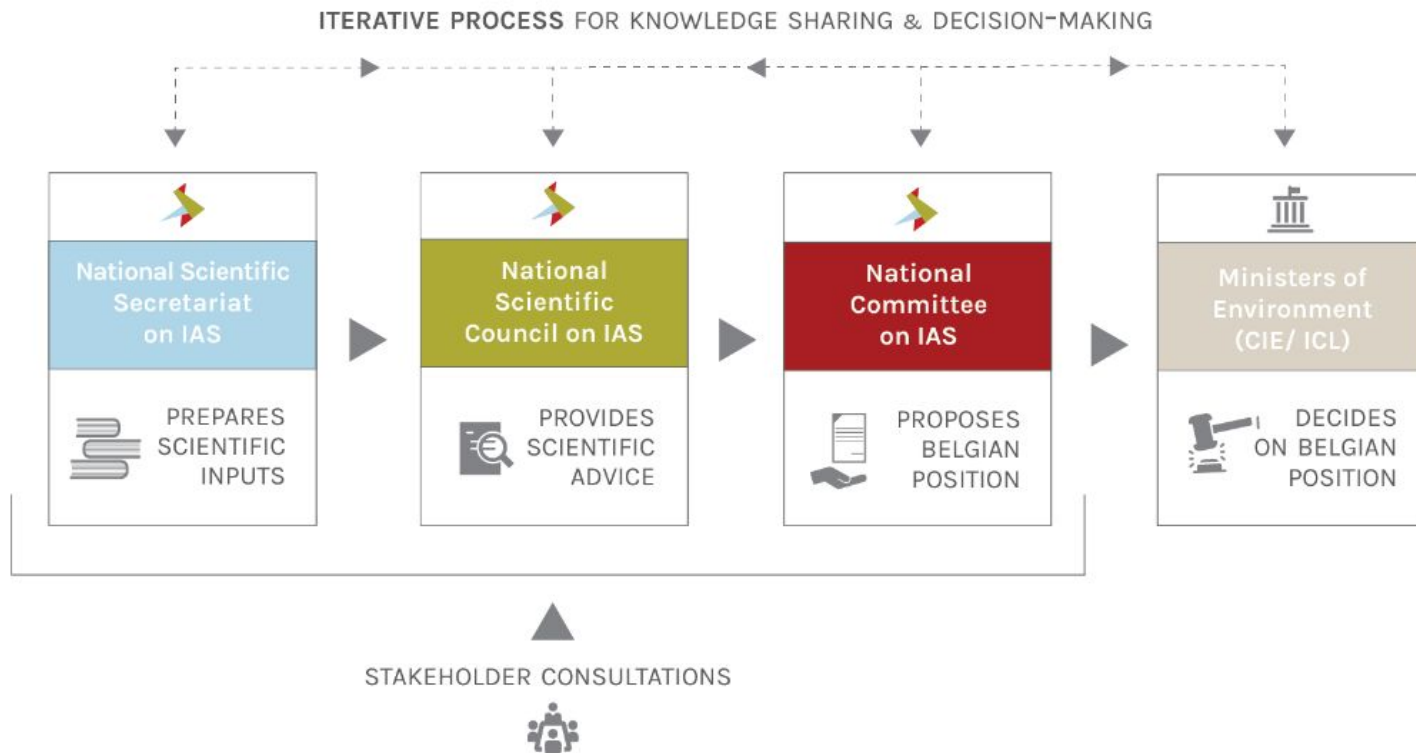
| | |
|------------------|-------------------|
| Committee Code | DG |
| C47600 | ENV - Environment |
| Parent Committee | Abolished Since |
| - | - |
| Associated DG's | |
| - | |

Below the table, there is a section titled "Rules of Procedures" with a document icon and the text "RoP adopted on 25/02/2015". A "Download" button with a download icon is located to the right of this text.

Inmiddels, te Brussel...



IMPLEMENTATION PROCESS OF THE EU REGULATION ON IAS IN BELGIUM



De stemming



De publicatie

**COMMISSION IMPLEMENTING REGULATION (EU) 2016/1141
of 13 July 2016**

**adopting a list of invasive alien species of Union concern pursuant to Regulation (EU)
No 1143/2014 of the European Parliament and of the Council**

| Species | CN codes for live specimens | CN codes for parts that can reproduce | Categories of associated goods |
|--|-----------------------------|---|--------------------------------|
| (i) | (ii) | (iii) | (iv) |
| <i>Baccharis halimifolia</i> L. | ex 0602 90 49 | ex 0602 90 45 (rooted cuttings and young plants) ex 1209 99 99 (seeds) | |
| <i>Cabomba caroliniana</i> Gray | ex 0602 90 50 | ex 1209 99 99 (seeds) | |
| <i>Callosciurus erythraeus</i> Pallas, 1779 | ex 0106 19 00 | — | |
| <i>Corvus splendens</i> Vieillot, 1817 | ex 0106 39 80 | ex 0407 19 90 (fertilised eggs for incubation) | |
| <i>Eichhornia crassipes</i> (Martius) Solms | ex 0602 90 50 | ex 1209 30 00 (seeds) | |
| <i>Eriocheir sinensis</i> H. Milne Edwards, 1854 | ex 0306 24 80 | — | |
| <i>Heracleum persicum</i> Fischer | ex 0602 90 50 | ex 1209 99 99 (seeds) | (6) |

Samenvattend

1. Horizon scan (selectie)
2. Risicoanalyse (forum check op kwaliteit)
 - a. Europese Commissie
 - b. Ingediend door een lidstaat
3. Stakeholderconsultatie
4. Stemming in het comité (in batches van soorten)
 - a. < Advies Belgische wetenschappelijke Raad
 - b. < Bepaling Belgisch standpunt in Belgisch comité
5. Publicatie in Official Journal
 - a. Implementing Regulation