

# NOBANIS

## European network on invasive alien species

Bern Convention IAS Expert Group, 4-5 May, 2015  
Maya Helene Quaade Caspersen & Melanie Josefsson



Photo from [www.nobanis.org](http://www.nobanis.org), Helene Nyegaard Hvid

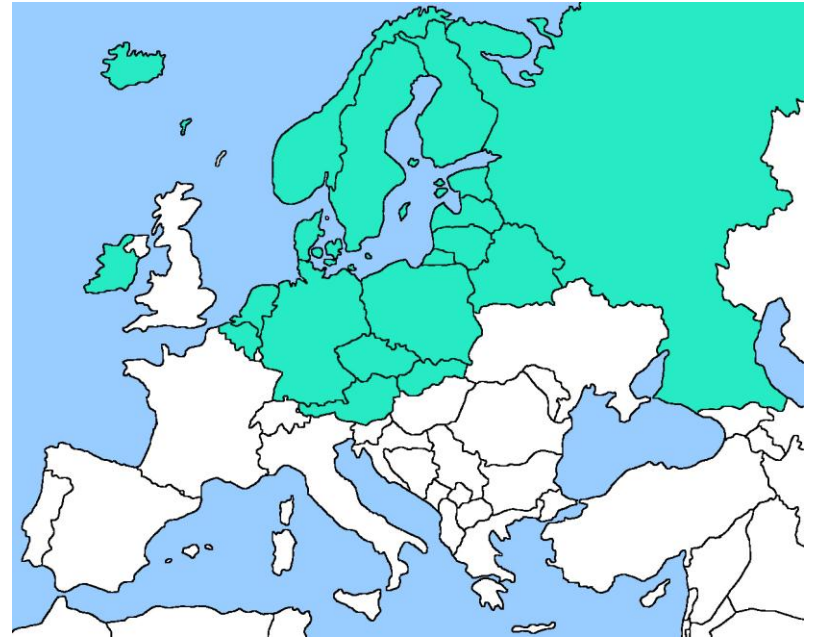
# NOBANIS

**European Network on Invasive Alien Species**

Gateway to information on Invasive Alien Species in North and Central Europe

# NOBANIS Network

- Voluntary network for sharing information on invasive alien species (IAS)
- Professional network between authorities of the region. Not a political or policy making organisation
- 20 participating countries



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# NOBANIS Network

- Provide tools for implementing the precautionary approach against the unintentional dispersal of IAS
- Establish regional cooperation to aid countries in mitigation of impacts (management) of IAS
- Services: Online database and information on IAS from the region
- Covering many languages, cultures, management strategies etc.



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# Main services on the website

- Alien Species Database (A total of 7593 species)
- Species fact sheets of the 92 most invasive species in the region
- Country statistics
- National and international regulation on IAS
- Newsletter
- Marine identification key
- Invasive species photo bank
- A simple early warning system



Photo from [www.nobanis.org](http://www.nobanis.org), Hans Erik Swart

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# Focus 2013 - 2015

- NCM Pathway analysis & horizon scanning
- Updating & revising databases
  - Vertebrates, Mammals, Birds, Fish, Bryophytes, Ferns, Nematodes, Macroalgae
- Updating fact sheets
- Bringing in Belarus & Slovakia
- Data sharing with GISIN and GRIIS
- New homepage & reprogramming portal

The logo for NOBANIS, featuring the word "NOBANIS" in large, bold, white capital letters. The letters are set against a blue background that includes a stylized map of Europe. The map shows the outlines of the continents in white, with the surrounding oceans in blue. The logo is positioned in the lower-left corner of the slide.

**European Network on Invasive Alien Species**  
Gateway to information on Invasive Alien Species in North and Central Europe





The European Network on Invasive Alien Species (NOBANIS) is a gateway to information on alien and invasive species in North and Central Europe.

## Regional portal on invasive alien species

### NOBANIS covers marine, freshwater and terrestrial environments and provides:

- A distributed but integrated database on introduced species in the region
- Fact sheets on many of the most invasive aliens
- A catalogue of the regulation relevant to invasive species in participating countries
- A photo bank of alien species
- A marine key to identify invasive species in Nordic waters
- A catalogue of regional databases
- Connections to regional and global networks and projects of invasive aliens species

SEARCH ALIEN SPECIES 

### Invasive species of the week



ISSG  
Invasive Species  
Group

Invasive  
Species of  
the Week

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## Current activities and news



### NOBANIS projects

The present report contributes to the fulfilment of obligations in the Aichi target 9 under CBD and the EU Biodiversity Strategy 2020 target 5.

[READ MORE](#)



### NOBANIS Newsletters

Read the latest issue of the NOBANIS newsletter

1/15/2015

[READ MORE](#)

[SEARCH ALIEN SPECIES Q](#)

### Invasive species of the week



## News

### News 2015

02 June 2015

Data on alien invasive species from Slovakia is now available online

WRITTEN BY: MAYA.CASPERSEN

### News 2015

03 March 2015

New photos of alien species is now available in the photo bank

WRITTEN BY: MAYA.CASPERSEN

### News 2015

23 February 2015

Data on alien invasive species from Belarus is now available online

WRITTEN BY: MAYA.CASPERSEN

[READ MORE](#)

## Events

**Workshop on Alien Species and the EC Water Framework Directive 8-9 December 2015**

## New Species Alert



# Early warning – rapid response



## Species alert

*Harmonia axyridis*  
In Ireland



## Species alert

*Canis aureus*  
In Poland



## Species alert

*Palaemon elegans*  
In Estonia

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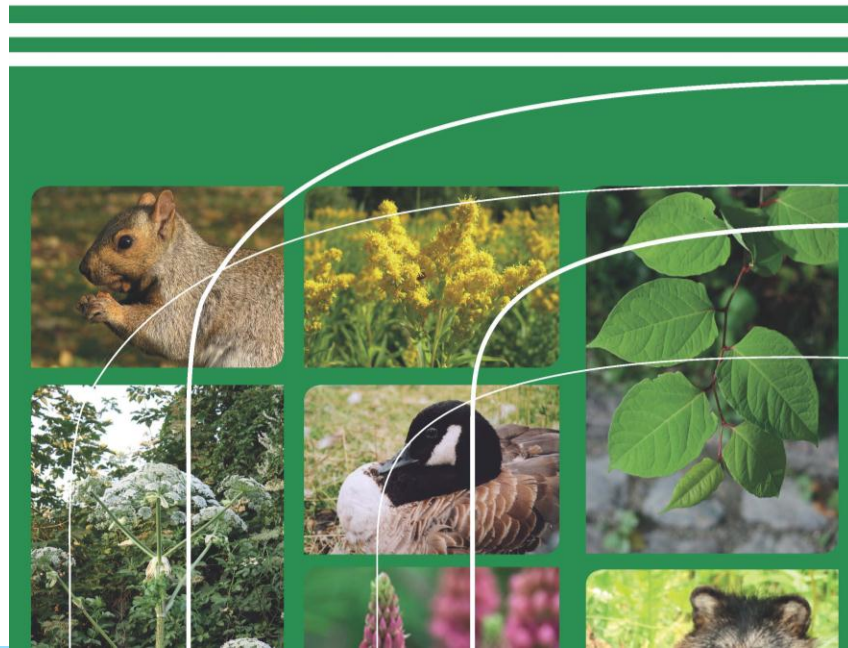
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# Invasive Alien Species

## Pathway Analysis and Horizon Scanning for Countries in Northern Europe

Pathway Analysis and Horizon Scanning for Countries in Northern Europe



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- Nordic Council of Ministers and ten NOBANIS countries
- Response to:
  - Aichi Target 9 &
  - EU Biodiversity Strategy 2020 Target 5
  - EU IAS Regulation Art. 13

# Project overview

- Pathway analysis
- Horizon Scanning
- Prioritisation of pathways
- Recommendations



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# Methods

- Analysis of NOBANIS databases from 10 countries (Nordic & Baltic)
- Regional scale
  - Nordic
  - Baltic
  - Islands in the North Atlantic



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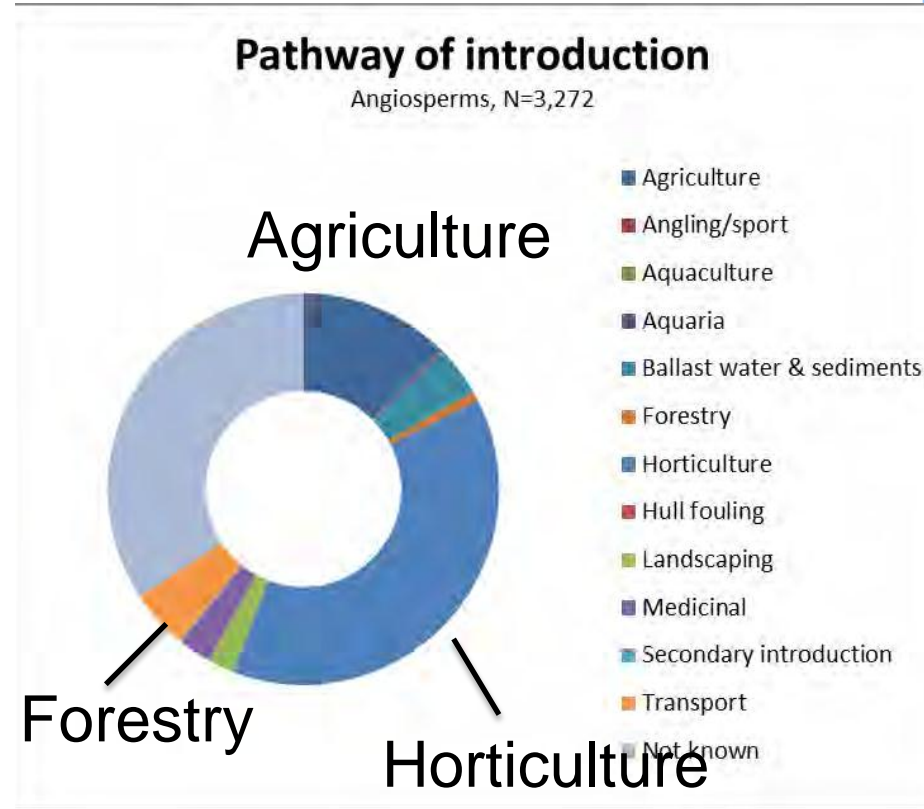
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# Pathway analysis

- Pathways of introduced species
- Invasiveness
- Taxonomic groups
- Temporal development of pathways
- Species origins

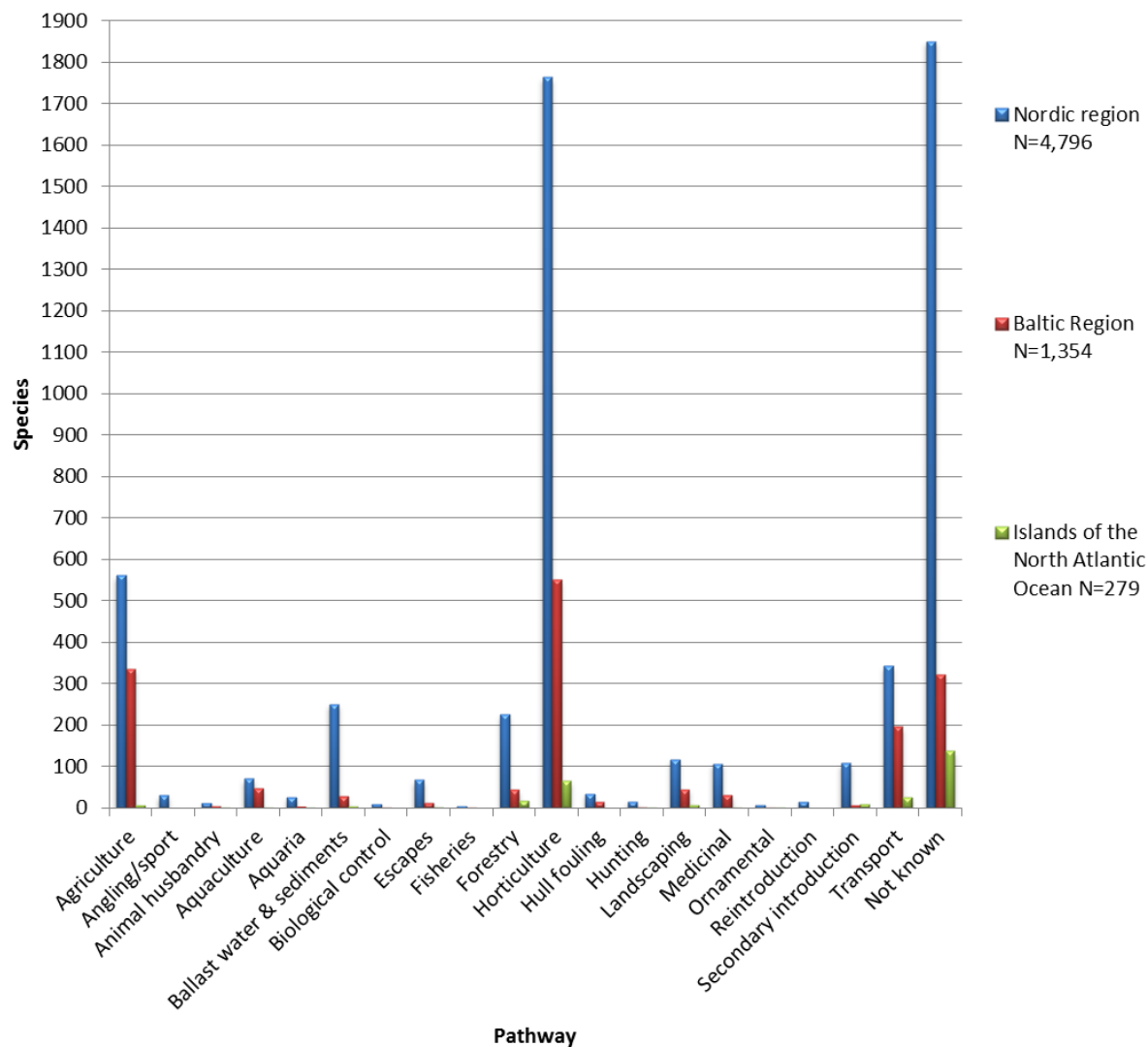


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## Pathway of introduction for all three region



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# Horizon Scanning – Door knockers

- Doorknocker – IAS not yet arrived and established in any of the 10 countries
- Species not present in the wild
- Data from alert lists from UK, DE, DK, Ireland, Evaluation using modified Harmonia scheme
- Expert evaluation using modified Harmonia scheme

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# Doorknockers

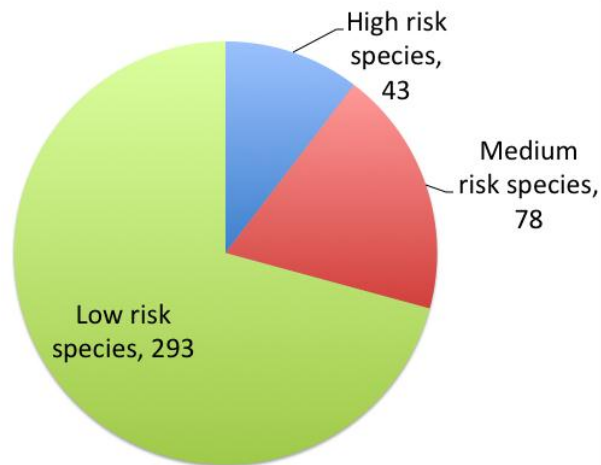
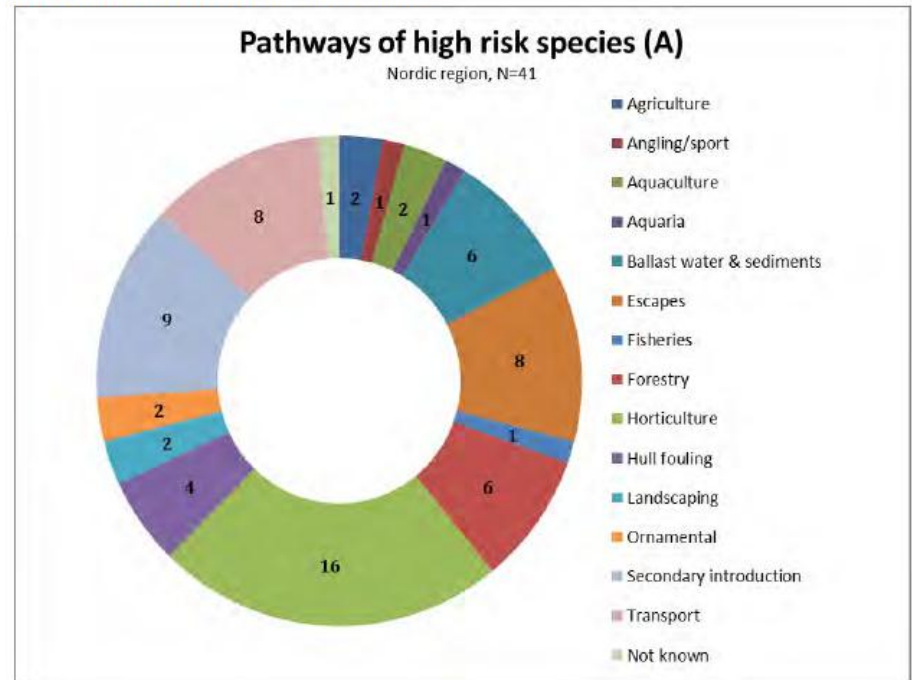


Figure 92: Pathways of introduction of species that are of high risk (A) of having a negative impact in the Nordic region



<sup>3</sup> The pathways that are assigned to each species in the horizon scanning are from expert assessments or from the NOBANIS database. The assigned pathways are either a known pathway for the species, a known pathway for closely related species or the best estimate for potential pathway.

<sup>4</sup> One species of marine crab *Hemigrapsus penicillatus* is assessed as a high risk species (A) due to high risk of arrival and establishment, but has a low risk in the assessment of impact.

# Prioritisation of Pathways

- Number of introduced invasive alien species by pathway
- Number of introductions by the pathways
- Adjustments
  - % invasive introduction
  - High risk door knocker species per pathway
  - Medium risk door knocker species per pathway
  - Number potentially invasive species
  - Temporal development of pathways

# Pathways of Concern

Nordic Region		Baltic region		Islands of North Atlantic	
1	Horticulture	1	Horticulture	1	Horticulture
2	Transport	2	Transport	2	Transport
3	Ballast water & sediments	3	Forestry	3	Secondary
4	Agriculture	4	Agriculture	4	Escapes
5	Secondary introduction	5	Aquaculture	5	Ornamental
6	Forestry	6	Landscaping	6	
7	Landscaping	7	Ballast water & sediments		
8	Agriculture	8	Secondary introduction		
9	Escapes	9	Escapes		
10	Hull fouling				



# Future of NOBANIS

Goodbye Secretariat as we know it! ☹

- Develop Rotational Secretariat
- Continued revision of databases
- Follow up pathway analysis & horizon scanning
- Data sharing – GISD, GISIN
- Updating fact sheets



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# Thank you!

## For more information:

Please visit [www.nobanis.org](http://www.nobanis.org)  
or contact [nobanis@nst.dk](mailto:nobanis@nst.dk)



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