



# The European and Mediterranean Plant Protection Organization

## Updates from EPPO

Rob Tanner

12<sup>th</sup> meeting Bern Convention Group of Experts on Invasive Alien Species

Madeira, 2017-06-1/3



# Information dissemination

European and Mediterranean Plant Protection Organization  
 Organisation Européenne et Méditerranéenne pour la Protection des Plantes

EPPO activities on Invasive Alien Plants

EPPO protects plants in agriculture, forestry and the uncultivated environment. For over 60 years, EPPO has sought to prevent the introduction and spread of organisms which are harmful to plants in the European and Mediterranean region. Traditionally, EPPO has given priority to pests of cultivated plants (i.e. insects, nematodes, fungi, bacteria, viruses), but more recently as new emphasis was given to the protection of biodiversity, it was acknowledged that plant protection also applied to plants in the uncultivated environment. Wild plants can be threatened by the introduction and spread of pests, and notably by 'invasive alien plants' which can seriously disturb and destroy natural plant communities. Therefore in the early 2000s, EPPO started to work more specifically on 'invasive alien plants', in particular to analyse the risks presented by specific invasive alien plant species for the EPPO region and recommend measures to prevent their introduction and spread via international trade.

**EPPO Panel on Invasive Alien Plants**

In 2002, a Panel of experts on Invasive Alien Species was established. In 2012, it was renamed 'Panel on Invasive Alien Plants' to better reflect its activities. It meets once a year and has the following aims:

- To provide information on invasive alien plants for the EPPO region,
- To conduct studies on risk analysis of specific invasive alien plants,
- To recommend measures to prevent their introduction and spread,
- To recommend measures to eradicate, suppress and contain invasive alien plants already introduced.

The **current composition of the EPPO Panel** can be viewed on this webpage, as well as **summaries of the meeting discussions and pictures**.

EPPO Reporting Service

No. 1 Fall, 2007-01-01

CONTENTS

2007-001	First report of <i>Blattella germanica</i> in Turkey	Armen B. Shashvaz
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2007-003	Further reports of <i>Blattella germanica</i> in Syria and Lebanon, Italy	
2007-004	Discovery of <i>Blattella germanica</i> in Bulgaria in 2006	
2007-005	Current situation of <i>Blattella germanica</i> in Turkey	
2007-006	First report of <i>Blattella germanica</i> in Austria	
2007-007	Discovery of <i>Blattella germanica</i> along an international pipeline in the Netherlands	
2007-008	First yellow and white stink bug recorded in California in the Netherlands	
2007-009	Plant pest risk factor near Africa and the Mediterranean region, Turkey	
2007-010	New catalogue of <i>Campoplex</i> species in France	
2007-011	<i>Organista flaviventris</i> (Harris) found in Romania, France	
2007-012	First record of <i>Lathrolepis</i> species in Romania	
2007-013	Recent studies on the biology and taxonomy of <i>Spilostethus</i> (Harris)	
2007-014	First report on <i>Blattella germanica</i> (Lepelletier) in Romania and its description	
2007-015	EPPO report on establishment of non-compliance	Invasive Plants
2007-016	First record of <i>Blattella germanica</i> in Romania	
2007-017	First record of <i>Blattella germanica</i> in Romania and its description	
2007-018	First record of <i>Blattella germanica</i> in Romania and its description	
2007-019	First record of <i>Blattella germanica</i> in Romania and its description	
2007-020	First record of <i>Blattella germanica</i> in Romania and its description	
2007-021	First record of <i>Blattella germanica</i> in Romania and its description	
2007-022	First record of <i>Blattella germanica</i> in Romania and its description	
2007-023	First record of <i>Blattella germanica</i> in Romania and its description	
2007-024	First record of <i>Blattella germanica</i> in Romania and its description	
2007-025	First record of <i>Blattella germanica</i> in Romania and its description	
2007-026	First record of <i>Blattella germanica</i> in Romania and its description	
2007-027	First record of <i>Blattella germanica</i> in Romania and its description	
2007-028	First record of <i>Blattella germanica</i> in Romania and its description	
2007-029	First record of <i>Blattella germanica</i> in Romania and its description	
2007-030	First record of <i>Blattella germanica</i> in Romania and its description	

Bulletin OEPP  
 EPPO Bulletin

Revue des aspects réglementaires de la protection des végétaux  
 A journal of regulatory plant protection

European and Mediterranean  
 Plant Protection Organization

Organisation Européenne et  
 Méditerranéenne pour la  
 Protection des Plantes

WILEY  
 BLACKWELL



## *Parthenium hysterophorus* (PTNHY)



### MENU

- [Overview →](#)
- [Distribution](#)
- [Categorization](#)
- [Reporting](#)
- [Photos](#)

### Overview

#### Basic information

- **EPPO code:** PTNHY
- **Preferred name:** *Parthenium hysterophorus*
- **Authority:** Linnaeus

[more photos...](#)

#### Notes

Tropical America. Introduced into and invasive in other continents, including specifically India, Australia and parts of Africa

WSSA list of weeds in North America  
EPPO Alert List

#### Taxonomy




- Kingdom Plantae ( 1PLAK )
- Phylum Magnoliophyta ( 1MAGP )
- Class Angiospermae ( 1ANGC )
- Category Campanulids ( 1CMPD )
- Order Asterales ( 1ASTO )
- Family Asteraceae ( 1COMF )
- Genus Parthenium ( 1PTNG )
- Species *Parthenium hysterophorus* ( PTNHY )

#### Common names

Name	Language
<input type="text" value="Search..."/>	<input type="text" value="- select -"/>
bastard feverfew	English
congress weed	English
Santa Maria feverfew	English
whitetop weed	English
parthenium weed	English (AU)

## EPPO Observation List of invasive alien plants

The EPPO Observation List was created by the EPPO Panel on Invasive Alien Plants in 2012. This list contains plant species (absent or present in the EPPO region) which present a medium risk or for which information currently available is not sufficient to make an accurate assessment. It is stressed that inclusion in the Observation List is not definitive, and changes can be made when additional information is recorded, particularly when information on invasiveness becomes available, or when a significant change in the invasive behaviour is observed.

Plant name (link to EPPO Global Database)	Added in	Data sheets	PRA and prioritization documents
<i>Akebia quinata</i>	2012	<a href="#">mini ds</a>	-
<i>Andropogon virginicus</i>	2014	<a href="#">mini ds</a>	<a href="#">prioritization</a>
<i>Araujia sericifera</i>	2012	<a href="#">mini ds</a>	-
<i>Asparagus asparagoides</i>	2013	<a href="#">mini ds</a>	<a href="#">prioritization</a>
<i>Azolla filiculoides</i> 	2012	-	-
<i>Bidens frondosa</i>	2012	-	-
<i>Cenchrus incertus</i>	2012	<a href="#">draft ds</a>	-
<i>Eragrostis curvula</i>	2012	<a href="#">mini ds</a>	
<i>Eriochloa villosa</i>	2012	<a href="#">mini ds</a>	-
<i>Gymnocoronis spilanthoides</i> 	2012	<a href="#">mini ds</a>	-
<i>Limnophila sessiliflora</i> 	2013	<a href="#">mini ds</a>	<a href="#">prioritization</a>
<i>Lupinus polyphyllus</i>	2012	-	-
<i>Lysichiton americanus</i> (A2 in 2005 - deleted in 2009)	2012	<a href="#">Final ds</a>	<a href="#">PRA - PRA report</a>
<i>Nassella trichotoma</i> , <i>N. neesiana</i> and <i>N. tenuissima</i>	2012	<a href="#">mini ds</a>	-
<i>Rhododendron ponticum</i>	2012	<a href="#">draft ds</a>	-
<i>Sesbania punicea</i>	2012	<a href="#">mini ds</a>	-
<i>Solidago nemoralis</i>	2012	<a href="#">mini ds</a>	-
<i>Verbesina encelioides</i>	2012	<a href="#">mini ds</a>	-



# LIFE IAP-RISK

**LIFE15 PRE FR 001**

**Mitigating the threat of invasive alien plants to the EU through pest risk analysis to support the Regulation 1143/2014**

**EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION**

And

**NERC CENTRE FOR ECOLOGY AND HYDROLOGY**



# Project overview

- **Title:** Mitigating the threat of invasive alien plants in the EU through pest risk analysis to support the EU Regulation 1143/2014
- **Theme:** Invasive plant species - risk assessment
- **Funder:** LIFE Programme; DG Environment
- **Duration:** 01.02.2016 - 30.06.2018.
- **Financial:** total project costs EUR 433 328; EPPO will receive EUR 215 690.



# LIFE IAP-RISK

- To prioritise plant species from the EPPO List of Invasive Alien Plants and the horizon scanning study (ENV.B.2/ETU/2014/0016) for risk assessment,
- To risk assess 16 IAPs by performing pest risk analysis **compliant with the Regulation (EU) no. 1143/2014**,
- To facilitate knowledge transfer and capacity building in pest risk analysis within the EU.

# List of 37 species for prioritisation

## Species

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<i>Acacia dealbata</i> (Fabaceae)	<i>Hakea sericea</i> (Proteaceae)
<i>Albizia lebbek</i> (Fabaceae)	<i>Humulus scandens</i> (Cannabaceae)
<i>Ambrosia confertiflora</i> (Asteraceae)	<i>Hydrilla verticillata</i> (Hydrocharitaceae)
<i>Ambrosia trifida</i> (Asteraceae)	<i>Hygrophila polysperma</i> (Acanthaceae)
<i>Andropogon virginicus</i> (Poaceae)	<i>Lespedeza cuneata</i> (Fabaceae)
<i>Cardiospermum grandiflorum</i> (Sapindaceae)	<i>Ligustrum sinense</i> (Oleaceae)
<i>Celastrus orbiculatus</i> (Celastraceae)	<i>Lonicera maackii</i> (Caprifoliaceae)
<i>Chromolaena odorata</i> (Asteraceae)	<i>Lonicera morrowii</i> (Caprifoliaceae)
<i>Cinnamomum camphora</i> (Lauraceae)	<i>Lygodium japonicum</i> (Lygodiaceae)
<i>Clematis terniflora</i> (Ranunculaceae)	<i>Oxalis pes-caprae</i> (Oxalidaceae)
<i>Cornus sericea</i> (Cornaceae)	<i>Pennisetum setaceum</i> (Poaceae)
<i>Cortaderia jubata</i> (Poaceae)	<i>Pistia stratiotes</i> (Araceae)
<i>Cryptostegia grandiflora</i> (Apocynaceae)	<i>Prosopis juliflora</i> (Fabaceae)
<i>Egeria densa</i> (Hydrocharitaceae)	<i>Prunus campanulata</i> (Rosaceae)
<i>Ehrharta calycina</i> (Poaceae)	<i>Rubus rosifolius</i> (Rosaceae)
<i>Euonymus fortunei</i> (Celastraceae)	<i>Salvinia molesta</i> (Salviniaceae)
<i>Euonymus japonicus</i> (Celastraceae)	<i>Sapium sebiferum</i> (Euphorbiaceae)
<i>Fallopia baldschuanica</i> (Polygonaceae)	<i>Sphagneticola trilobata</i> (Asteraceae)
<i>Gymnocoronis spilanthoides</i> (Asteraceae)	

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# Regulation 1143/2014

- Regulation 1143/2014: on the prevention and management of the introduction and spread of invasive alien species, which came into force on the 1<sup>st</sup> January 2015
- Centred on three main themes (1) prevention, (2) early warning and rapid response, and (3) management.
- A key feature in the Regulation is: **list of IAS of Union concern**

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**

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 192(1) thereof,

Having regard to the proposal from the European Commission,

After transmission of the draft legislative act to the national parliaments,

Having regard to the opinion of the European Economic and Social Committee <sup>(1)</sup>,

After consulting the Committee of the Regions,

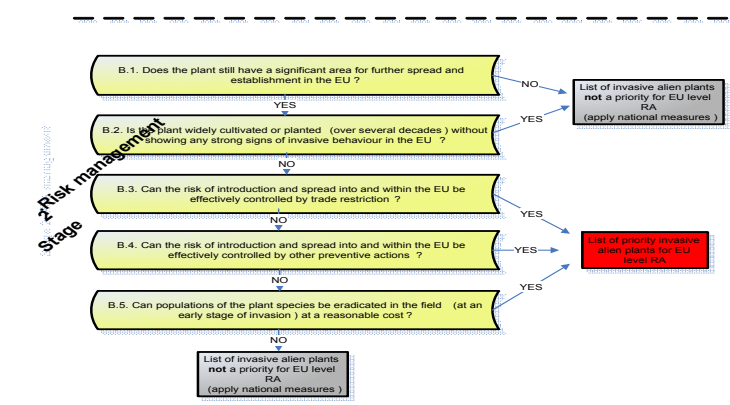
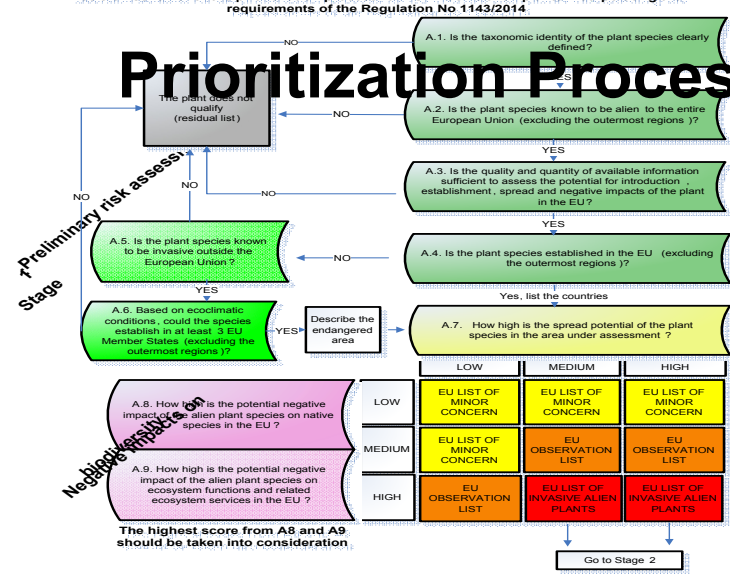
Acting in accordance with the ordinary legislative procedure <sup>(2)</sup>,

Whereas:

(1) The appearance of alien species, whether of animals, plants, fungi or micro-organisms, in new locations is not always a cause for concern. However, a significant subset of alien species can become invasive and have serious adverse impact on biodiversity and related ecosystem services, as well as have other social and economic impact, which should be prevented. Some 12 000 species in the environment of the Union and in other European



# Prioritization Process for EU invasive alien plants



produces lists of plant species for the EU, the most important being the list of invasive alien plants

to determine which of these IAP have the highest priority for a risk assessment (= quick screening tool)

# The main components of stage 1

A1 – Plant taxonomic **identity**

A2 – **Alien** to the entire EU

A3 – Availability of scientific **information**

A4 + A6 – **Establishment** capacity

A5 – Invasive behaviour **outside** EU

A7 – **Spread** capacity

A8 – Negative impacts on native **species**

A9 – Negative impacts on **ecosystem** functions and services

		<b>A7 - Spread potential</b>		
		<b>Low</b>	<b>Medium</b>	<b>High</b>
<b>Negative impacts (maximum from questions A8 and A9)</b>	<b>Low</b>	EU List of Minor Concern	EU List of Minor Concern	EU List of Minor Concern
	<b>Medium</b>	EU List of Minor Concern	EU Observation List of Invasive Alien Plants	EU Observation List of Invasive Alien Plants
	<b>High</b>	EU Observation List of Invasive Alien Plants	EU List of Invasive Alien Plants. <b>Go to B.</b>	EU List of Invasive Alien Plants. <b>Go to B.</b>

## The main components of stage 2

- B1 – Significant area available for further spread**
- B2 – No sign of invasive behaviour in the EU**
- B3 – Risk reduction by trade restriction**
- B4 – Risk reduction by other preventive actions**
- B5 – Risk reduction by population control**

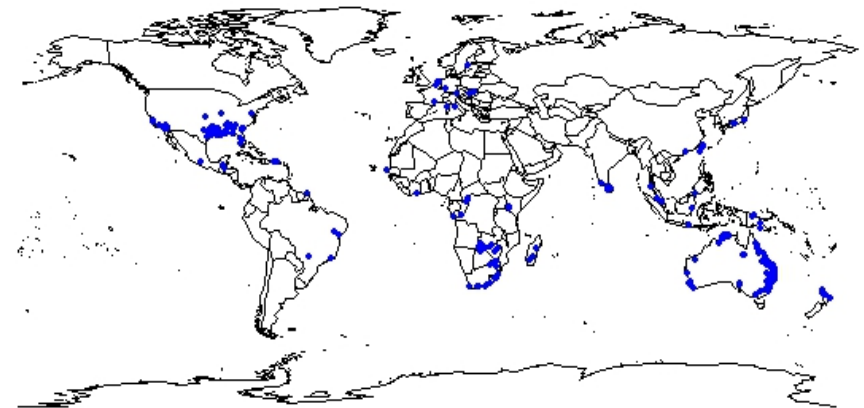
Species	A.1. Clear taxonomy	A.2. Alien in EU	A.3. Quality information	A.4. Established in the EU	A.5. Invasive outside the EU	A.6. Potential establishment in the EU	A.7. Spread	A.8. Impact on native plant species	A.9. Impact on ecosystem functions services	Conclusion of stage I
<i>Acacia dealbata</i>	Yes	Yes (Aus.)	High	Yes (ES, FR, IT)	Yes (Afr., Asia, Oce.)	38%	Medium	High (M): forms dense stands displaces native species (Lorenzo et al., 2012)	Medium (L): Nitrogen cycle modifications (Weber, 2003)	List IAP
<i>Albizia lebeck</i>	Yes	Yes (Asia)	Low (STOP)	----	----	----	----	----	----	----
<i>Ambrosia confertiflora</i>	Yes	Yes (N.Am.)	Medium/High	No	Yes (C.Asia, Oce.)	8.80%	High	High (M): forms dense stands displaces native species (EPPO, 2014)	Medium (H): Ecosystem modifier (EPPO, 2014)	List IAP
<i>Ambrosia trifida</i>	Yes	Yes (N.Am.)	Medium/High	Yes (ES, GE, NL, RO, RU, PL, FR, IT, BK, RS)	Yes (Asia, N.Am.)	90%	High	Medium (L): allelopathic and competes with native spp. for nutrients/light	Low (M): No recorded impacts	Obs List
<i>Andropogon virginicus</i>	Yes	Yes (N.Am.)	High	Yes (FR)	Yes (Asia, N.Am., Oce.)	70.10%	High	High (H): Allelopathic impacts (Stone, 1985)	Medium (H): Promotes fire (Stone, 1985)	List IAP
<i>Cardiospermum grandiflorum</i>	Yes	Yes (Afr., S.Am.)	Medium	Yes (IT)	Yes (Afr.)	5.10%	High	High (M): Smothers native spp. (McKay et al., 2010)	Medium (M): Habitat transformer (Henderson, 2001)	List IAP
<i>Celastrus orbiculatus</i>	Yes	Yes (Asia)	High	Yes (GB)	Yes (N.Am., Oce.)	77%	High	High (H): Suppression native spp. (Fike & Niering, 1999)	Medium (H): Negatively affects aesthetics (CABI, 2016)	List IAP
<i>Chromolaena odorata</i>	Yes	Yes (S.Am.)	High	No	Yes (Afr., N.Am., Oce.)	No (STOP)	----	----	----	----
<i>Cinnamomum camphora</i> (Lauraceae)	Yes	Yes (Asia)	High	Yes (GB, FR, IT)	Yes (N.Am., Oce.)	35.10%	High	High (H): Forms monocultures/ Allelopathic impacts (Firth, 1979)	Medium (H): Ecosystem modifier (CABI, 2016)	List IAP
<i>Clematis terniflora</i> (Ranunculaceae)	Yes	Yes (Asia)	Low (STOP)	----	----	----	----	----	----	----
<i>Cornus sericea</i> (Cornaceae)	No (STOP)	----	----	----	----	----	----	----	----	----
<i>Cortaderia jubata</i> (Poaceae)	Yes	Yes (S. Am.)	High	No	Yes (N.Am., Oce.)	55.80%	High	High (M): Strongly competes for resources (Lambrinos, 2000)	High (M): Alters trophic levels/reduces aesthetics (Bossard et al., 2000)	List IAP
<i>Cryptostegia grandiflora</i> (Apocynaceae)	Yes	Yes (Afr.)	High	No	Yes (Oce., S.Am.)	No (STOP)	----	----	----	----
<i>Egeria densa</i> (Hydrocharitaceae)	Yes	Yes (S. Am.)	High	Yes (FR, BE, IT, NL, UK)		80.90%	High	Medium (H): Displaces native spp. (CABI, 2016)	Medium (H): Reduces recreation activities (CABI, 2016)	Obs List
<i>Ehrharta calycina</i> (Poaceae)	Yes	Yes (S. Afr.)	High	Yes (ES, PT)	Yes (N.Am.)	15.30%	High	High (M): Outcompetes native plant spp. (Bossard et al., 2000)	Medium (M): Alter fire regimes (Fisher et al., 2006)	List IAP
<i>Euonymus fortunei</i> (Celastraceae)	Yes	Yes (Asia)	High	Yes (FR, LV)	Yes (N.Am.)	70.10%	High	High (M): Outcompetes native plant spp. (Bauer & Reynolds, 2016)	Medium (H): Ecosystem modifier (Bauer & Reynolds, 2016)	List IAP
<i>Euonymus japonicus</i> (Celastraceae)	Yes	Yes (Asia)	Low (STOP)	----	----	----	----	----	----	----
<i>Fallopia baldschuanica</i> (Polygonaceae)	Yes	Yes (Asia)	High	Yes (widespread)	Yes (N.Am.)	67.90%	Medium	Medium (M): Smothers native spp. (EPPO, 2012)	Medium (M): Ecosystem modifier (EPPO, 2012)	Obs List

# *Salvinia molesta* Des.

Perennial floating aquatic fern (Harley & Mitchell, 1981)

EPPO Code: SAVMO

Native: Brazil



# High priority species for PRA

*Ambrosia confertiflora*  
*Andropogon virginicus*  
*Cardiospermum grandiflorum*  
*Cinnamomum camphora*  
*Cortaderia jubata*  
*Ehrharta calycina*  
*Gymnocoronis spilanthoides*  
*Hakea sericea*

*Humulus scandens*  
*Hygrophila polysperma*  
*Lespedeza cuneata*  
*Lygodium japonicum*  
*Pistia stratiotes*  
*Prosopis juliflora*  
*Salvinia molesta*  
*Sapium sebiferum*

1 **The prioritization of invasive alien plants for risk assessment**  
2 **within the framework of the Regulation (EU) No. 1143/2014**

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6 Robert Tanner<sup>1</sup>, Etienne Branquart<sup>2</sup>, Giuseppe Brundu<sup>3</sup>, Serge Buholzer<sup>4</sup>, Daniel Chapman<sup>5</sup>,  
7 Pierre Ehret<sup>6</sup>, Guillaume Fried<sup>7</sup>, Uwe Starfinger<sup>8</sup>, Johan van Valkenburg<sup>9</sup>

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# EWG *Humulus scandens* and *Lygodium japonicum*



> Evergreen, climbing fern (>20 m in height)

> Distinctive gametophyte and sporophyte stages

> Native to SE Asia, Africa, and northern Australia

> Spread by wind blown spores

> Presently covers 50,000 ha south Florida

> Highly invasive in Florida natural areas

# EPPO PRA Schemes

- EPPO decision-support scheme for quarantine pests (PM 5/3 (5))
- EPPO decision-support scheme for an express pest risk analysis (PM 5/5 (1))
- EPPO working document for an express PRA for invasive alien plant species compliant with the Regulation (EU) No. 1143/2014.

## Provisioning services

Spanish bluebells reducing genetic diversity in native UK bluebells

### Provisioning services

- Fresh water
- Genetic resources
- Food production (crop and livestock)
- Commodity production (fiber, timber etc.)

## Supporting services

Invasive aquatic plants reducing water quality below monocultures

### Supporting services

- Nutrient cycling
- Primary production
- Habitat stability

*Gymnocoronis spilanthoides* (GYNSP) - <https://gd.eppo.int>

## Regulating services

Invasive grass species altering fire regimes in invaded habitats

### Regulating services

- Soil formation
- Pollination
- Water regulation
- Air quality

## Cultural services

Invasive vines smothering historical sites of importance

### Cultural services

- Aesthetic experiences
- Cultural heritage
- Tourism
- Recreation

12.01. Consider the negative impact the pest may have on categories of ecosystem services (examples of ecosystem service under each main category are detailed in the highlighted box). The categories of ecosystem services are based on the Millennium Ecosystem Assessment (2005).

<http://www.unep.org/maweb/documents/document.356.aspx.pdf>

Examples of ecosystem services to consider under each category include:

- *Provisioning services*
  - Fresh water
  - Genetic resources
  - Food production (crop and livestock etc.)
  - Commodity production (fibre, timber etc.)
- *Regulating services*
  - Soil formation
  - Pollination
  - Natural hazard regulation (fire, erosion, flooding)
  - Water regulation
  - Biodiversity
  - Decomposition
  - Photosynthesis and primary production
  - Air quality regulation
  - Pest and disease regulation
- *Supporting services*
  - Nutrient cycling
  - Primary production
  - Habitat stability
- *Cultural services*
  - Aesthetic experiences
  - Cultural heritage
  - Tourism
  - Recreation (fishing, nature enjoyment etc.)
  - Spiritual wellbeing

Ecosystem service	Does the IAS impact on this Ecosystem service? Yes/No	Short description of impact	Reference
Provisioning			
Regulating			
Supporting			
Cultural			

<i>Rating of the magnitude of impact in the current area of distribution</i>	Low <input type="checkbox"/>	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
<i>Rating of uncertainty</i>	Low <input type="checkbox"/>	Moderate <input type="checkbox"/>	High <input type="checkbox"/>

# 15. Climate change

*Consider the influence of projected climate change scenarios on the pest. Specifically consider the influence of climate change on the **introduction, establishment, spread and impact** of the pest in the PRA area.*

*In particular, consider the following aspects*

- *Introduction*
  - Pathways (see point 8)
- *Establishment*
  - Day degree requirements
  - Climate limitations
  - Changes in reproduction/growth
  - Inter-specific competition
- *Spread*
  - Density dependent dispersal
  - Extreme weather events
- *Impact*
  - Increased fitness
  - *Per capita* effects

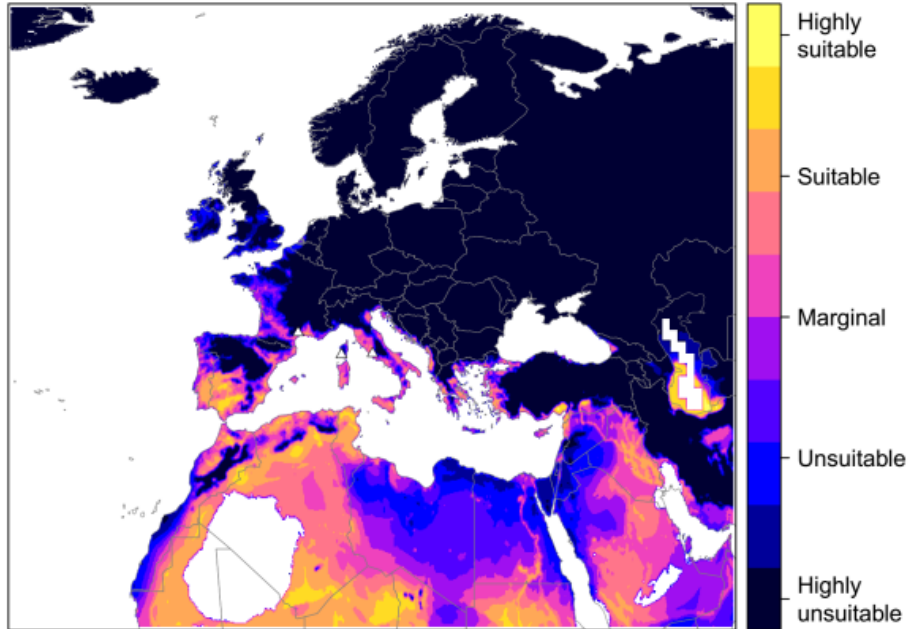
*15.01. Define which climate projection you are using from 2050 to 2100\**

*Climate projection \_\_\_\_\_*

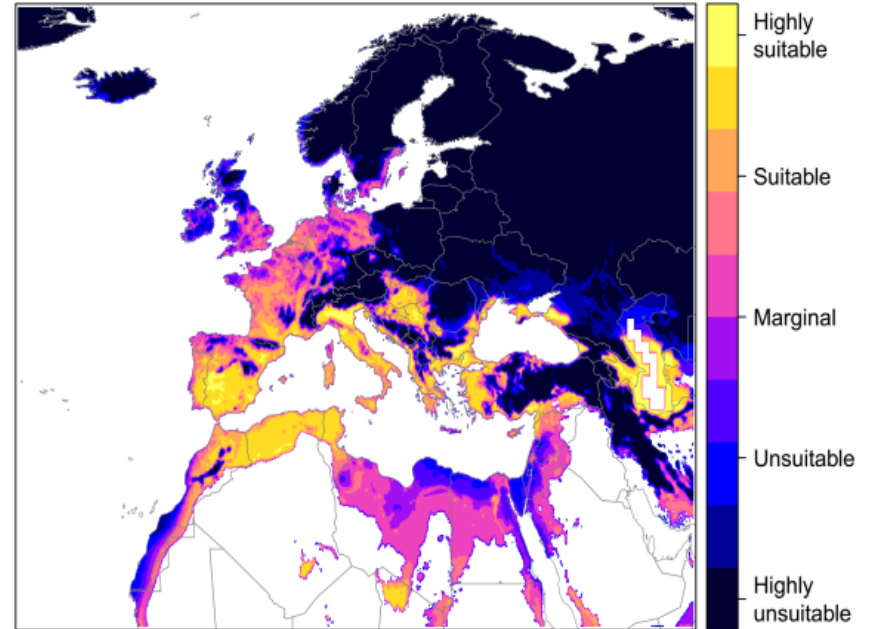
*\* following the IPCC projections (<http://www.ipcc.ch/>)*

**Reference:** IPCC, 2014: *Summary for policymakers*. In: *Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Field, C.B., V.R. Barros, D.J. Dokken, et al.,(eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 1-32. [https://ipcc-wg2.gov/AR5/images/uploads/WG2AR5\\_SPM\\_FINAL.pdf](https://ipcc-wg2.gov/AR5/images/uploads/WG2AR5_SPM_FINAL.pdf)

# Species distribution modelling



Projected current suitability for *Salvinia molesta* establishment in Europe and the Mediterranean region



Projected suitability for *Salvinia molesta* establishment in Europe and the Mediterranean region in the 2070s under climate change scenario RCP8.5

# Information dissemination and training activities

## Social media



The image shows the Twitter profile for 'EPPO alien plants' (@EPPO\_Invasives). The profile picture features the EPPO logo and a green plant. The bio states: 'EPPOs #invsp #invasivespecies focusing on invasive alien plants. Visit our LIFE funded project website: IAP-RISK.eu'. The location is Paris, and the account was joined in February 2013. The profile shows 469 tweets, 425 following, 419 followers, 37 likes, and 0 moments. A recent tweet from EASIN (@alienseurope) is visible, mentioning a trainee position on socio-economic aspects of Invasive Alien Species with a deadline of 25.04. A 'JOIN OUR' graphic is also present.

## Training workshops



## Project website



The image shows the website for the LIFE IAP-RISK project. The header includes the project logo and navigation links: HOME, BACKGROUND, THE PROJECT, INVASIVE ALIEN PLANTS, and PROJECT PROGRESS. The main heading is 'IAP-RISK' with the subtitle 'Mitigating the threat of invasive alien plants in the EU through pest risk analysis to support the EU Regulation 1143/2014'. A 'Recent News' section features two articles: 'The prioritization process for invasive alien plants incorporating the requirements of the EU Regulation No 1143/2014 is now available to download in the CAPRA software' (dated 2016-09-26) and 'Training workshops on prioritization and pest risk analysis for invasive alien plant species' (dated 2016-09-05). A 'Latest Documents' section lists 'LIFE IAP Newsletter (Issue 2)' and 'Prioritization process for EU invasive plants'. A photograph of a green plant is also visible on the page.

# Going forward

- Twelve risk analysis conducted (six EWGs),
- Final two EWGs planned for September and October 2017,
- To do: Datasheets and PM9 Standards for each species or group of species.





EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION  
ORGANISATION EUROPÉENNE ET MÉDITERRANÉENNE POUR LA PROTECTION DES PLANTES

16-2049

**Pest Risk Analysis for *Cardiospermum grandiflorum***



2016  
EPO  
21 Boulevard Richard Lenoir  
75011 Paris  
[www.epo.eu.int](http://www.epo.eu.int)  
[tbl@epo.int](mailto:tbl@epo.int)

This pest risk analysis scheme has been specifically amended from the EPO Decision-Support Scheme for an Express Pest Risk Analysis document PM 5-5(1) to incorporate the minimum requirements for risk assessment when considering invasive alien plant species under the EU Regulation 1143/2014. Amendments and use are specific to the LIFE Project (LIFE15 PFE FR 901) "Mitigating the threat of invasive alien plants to the EU through pest risk analysis to support the Regulation 1143/2014".


Cite this document as:  
EPO (2016) Pest risk analysis for *Cardiospermum grandiflorum*. EPO, Paris.  
Available at:  
[www.epo.eu.int](http://www.epo.eu.int)

Photo: *Cardiospermum grandiflorum* (Photo by Johannes J. A. van der Meer)

EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION  
ORGANISATION EUROPÉENNE ET MÉDITERRANÉENNE POUR LA PROTECTION DES PLANTES

16-21791

**Pest Risk Analysis for *Pistia stratiotes***



2016  
EPO  
21 Boulevard Richard Lenoir  
75011 Paris  
[www.epo.eu.int](http://www.epo.eu.int)  
[tbl@epo.int](mailto:tbl@epo.int)

This risk assessment follows the EPO Standard PM 5(1)(1) Decision-Support Scheme for an Express Pest Risk Analysis (available at <http://www.epo.eu.int>), and uses the terminology defined in IPRM 2 (Glossary of Phytosecurity Terms) (available at <http://www.epo.eu.int>).

Cite this document as:  
EPO (2016) Pest risk analysis for *Pistia stratiotes*. EPO, Paris.  
Available at:  
[www.epo.eu.int](http://www.epo.eu.int)

Photo: *Pistia stratiotes*. Courtesy: Andrew Braxator

EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION  
ORGANISATION EUROPÉENNE ET MÉDITERRANÉENNE POUR LA PROTECTION DES PLANTES

16-21094

**Pest Risk Analysis for *Salvinia molesta***



2016  
EPO  
21 Boulevard Richard Lenoir  
75011 Paris  
[www.epo.eu.int](http://www.epo.eu.int)  
[tbl@epo.int](mailto:tbl@epo.int)

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Cite this document as:  
EPO (2016) Pest risk analysis for *Salvinia molesta*. EPO, Paris.  
Available at:  
[www.epo.eu.int](http://www.epo.eu.int)

Photo: *Salvinia molesta* in Florida USA. Courtesy: Michael G. Holmstead

EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION  
ORGANISATION EUROPÉENNE ET MÉDITERRANÉENNE POUR LA PROTECTION DES PLANTES

17-22495 (17-22912)

**Pest Risk Analysis for *Ehrharta calycina***



2017  
EPO  
21 Boulevard Richard Lenoir  
75011 Paris  
[www.epo.eu.int](http://www.epo.eu.int)  
[tbl@epo.eu.int](mailto:tbl@epo.int)

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Cite this document as:  
EPO (2017) Pest risk analysis for *Ehrharta calycina*. EPO, Paris.  
Available at:  
[www.epo.eu.int](http://www.epo.eu.int)

Photo:

EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION  
ORGANISATION EUROPÉENNE ET MÉDITERRANÉENNE POUR LA PROTECTION DES PLANTES

17-22496 (17-22381)

**Pest Risk Analysis for *Andropogon virginicus***



2017  
EPO  
21 Boulevard Richard Lenoir  
75011 Paris  
[www.epo.eu.int](http://www.epo.eu.int)  
[tbl@epo.eu.int](mailto:tbl@epo.eu.int)

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Cite this document as:  
EPO (2017) Pest risk analysis for *Andropogon virginicus*. EPO, Paris.  
Available at:  
[www.epo.eu.int](http://www.epo.eu.int)

Photo: *Andropogon virginicus*. Courtesy: Michel Ouch, Isabel, Daniel (FloraNet and Kian Doan)

EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION  
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16-22125

**Pest Risk Analysis for *Cinnamomum camphora***



2016  
EPO  
21 Boulevard Richard Lenoir  
75011 Paris  
[www.epo.eu.int](http://www.epo.eu.int)  
[tbl@epo.int](mailto:tbl@epo.int)

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Cite this document as:  
EPO (2016) Pest risk analysis for *Cinnamomum camphora*. EPO, Paris.  
Available at:  
[www.epo.eu.int](http://www.epo.eu.int)

Photo: *Cinnamomum camphora* (Photo by J. van der Meer)

EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION  
ORGANISATION EUROPÉENNE ET MÉDITERRANÉENNE POUR LA PROTECTION DES PLANTES

16-22073

**Pest Risk Analysis for *Hygrophila polyparva***



2016  
EPO  
21 Boulevard Richard Lenoir  
75011 Paris  
[www.epo.eu.int](http://www.epo.eu.int)  
[tbl@epo.eu.int](mailto:tbl@epo.int)

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Cite this document as:  
EPO (2016) Pest risk analysis for *Hygrophila polyparva*. EPO, Paris.  
Available at:  
[www.epo.eu.int](http://www.epo.eu.int)

Photo: *Hygrophila polyparva* (Andreas Stauder)

EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION  
ORGANISATION EUROPÉENNE ET MÉDITERRANÉENNE POUR LA PROTECTION DES PLANTES

16-22981

**Pest Risk Analysis for *Gymnoscorus spilanthesoides***



2016  
EPO  
21 Boulevard Richard Lenoir  
75011 Paris  
[www.epo.eu.int](http://www.epo.eu.int)  
[tbl@epo.eu.int](mailto:tbl@epo.int)

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Cite this document as:  
EPO (2016) Pest risk analysis for *Gymnoscorus spilanthesoides*. EPO, Paris.  
Available at:  
[www.epo.eu.int](http://www.epo.eu.int)

Photo: *Gymnoscorus spilanthesoides* (according to the data in the Risk to Help Climate Network)

EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION  
ORGANISATION EUROPÉENNE ET MÉDITERRANÉENNE POUR LA PROTECTION DES PLANTES

17-22543

**Pest Risk Analysis for *Lygodium japonicum* (Thunb.) Sw**



2017  
EPO  
21 Boulevard Richard Lenoir  
75011 Paris  
[www.epo.eu.int](http://www.epo.eu.int)  
[tbl@epo.eu.int](mailto:tbl@epo.eu.int)

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Cite this document as:  
EPO (2017) Pest risk analysis for *Lygodium japonicum*. EPO, Paris.  
Available at:  
[www.epo.eu.int](http://www.epo.eu.int)

Photo: Kimberly Burt

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ORGANISATION EUROPÉENNE ET MÉDITERRANÉENNE POUR LA PROTECTION DES PLANTES

17-22546

**Pest Risk Analysis for *Hemulus scandens* (Lour.) Merr**



2017  
EPO  
21 Boulevard Richard Lenoir  
75011 Paris  
[www.epo.eu.int](http://www.epo.eu.int)  
[tbl@epo.eu.int](mailto:tbl@epo.eu.int)

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Cite this document as:  
EPO (2017) Pest risk analysis for *Hemulus scandens*. EPO, Paris.  
Available at:  
[www.epo.eu.int](http://www.epo.eu.int)

Photo: G. Fried