



Regulation (EU) n.1143/2014 on Invasive Alien Species

European Commission

DG ENV.D2 Biodiversity

LIFE platform meeting on Invasive Alien Species

Milano, 29-30 November 2017



European
Commission

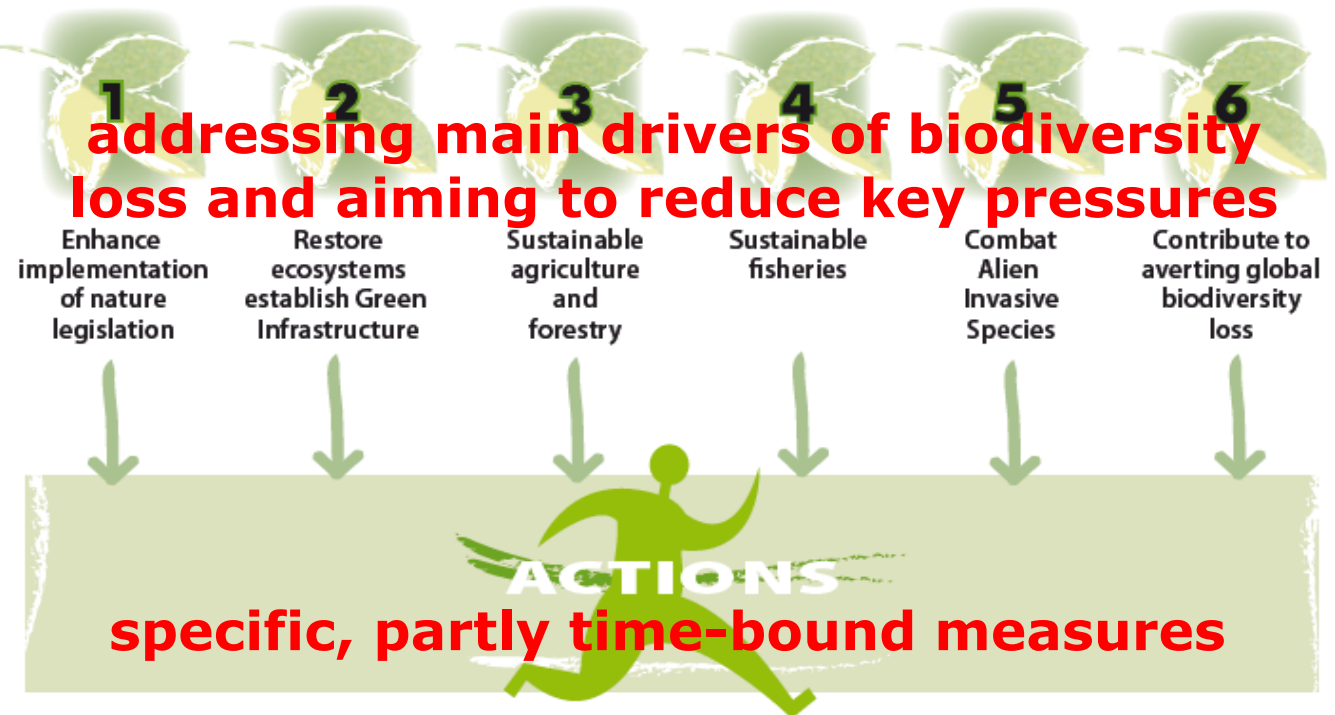
Structure of the EU 2020 Biodiversity Strategy

2050 VISION

2020 headline target

halt biodiversity loss – restore ecosystem services – global contribution

SIX TARGETS





Regulation 1143/2014 on IAS entered into force on 1/1/2015

- **Chapter 1: General provisions**

- Chapter 2:

Prevention

- Chapter 3:

Early Detection and Rapid Eradication

- Chapter 4:

Management of widely spread IAS

- Chapter 5: Horizontal provisions

- Chapter 6: Final provisions



List of IAS of Union concern

- IAS of Union concern = action at Union level is required
- Dynamic list, developed and updated with the assistance of a Committee and a Scientific Forum
- Based on criteria and full risk assessment
- **Initial list: Implementing Regulation 2016/1141**
- 1st update: Implementing Regulation 2017/1263
- Working towards 2nd update in 2018





List of IAS of Union concern

Art 4(3)- Criteria for inclusion on the Union list

- a) Alien to the territory of the Union
- b) Capable of establishing and spreading
- c) Likely to have significant adverse impacts on biodiversity
- d) Demonstrated by risk assessment that action at Union level is required
- e) Likely that inclusion on list will prevent, minimise or mitigate the adverse impacts

Commission to apply criteria with due consideration to implementation cost for Member States, cost of inaction, cost-effectiveness and socio-economic aspects – Art 4(6)



37 IAS on the first Union list – 14 plants

| Plants - Scientific name | Common name |
|----------------------------------|--------------------------|
| <i>Baccharis halimifolia</i> | Eastern baccharis |
| <i>Cabomba caroliniana</i> | Fanwort |
| <i>Eichornia crassipes</i> | Water hyacinth |
| <i>Heracleum persicum</i> | Persian hogweed |
| <i>Heracleum sosnowskyi</i> | Sosnowski's hogweed |
| <i>Hydrocotyle ranunculoides</i> | Floating pennywort |
| <i>Lagarosiphon major</i> | Curly waterweed |
| <i>Ludwigia grandiflora</i> | Water-primrose |
| <i>Ludwigia peploides</i> | Floating primrose-willow |
| <i>Lysichiton americanus</i> | American skunk cabbage |
| <i>Myriophyllum aquaticum</i> | Parrot's feather |
| <i>Parthenium hysterophorus</i> | Whitetop weed |
| <i>Persicaria perfoliata</i> | Asiatic tearthumb |
| <i>Pueraria lobata</i> | Kudzu vine |

| Animals – Scientific name | Common name | |
|---|------------------------------------|--|
| <i>Callosciurus erythraeus</i> | Pallas' squirrel | |
| <i>Corvus splendens</i> | Indian house crow | |
| <i>Eriocheir sinensis</i> | Chinese mitten crab | |
| <i>Herpestes javanicus</i> | Small Indian mongoose | |
| <i>Lithobates catesbeianus</i> | North-American bullfrog | 37 IAS on first Union list – 23 animals |
| <i>Muntiacus reevesi</i> | Muntjac deer | |
| <i>Myocastor coypus</i> | Coypu | |
| <i>Nasua nasua</i> | Coati | |
| <i>Orconectes limosus</i> | Spiny-cheek crayfish | |
| <i>Orconectes virilis</i> | Virile crayfish | |
| <i>Oxyura jamaicensis</i> | Ruddy duck | |
| <i>Pacifastacus leniusculus</i> | Signal crayfish | |
| <i>Percottus glenii</i> | Amur sleeper | |
| <i>Procambarus clarkii</i> | Red swamp crayfish | |
| <i>Procambarus fallax f. virginalis</i> | Marble crayfish | |
| <i>Procyon lotor</i> | Raccoon | |
| <i>Pseudorasbora parva</i> | Stone moroko | |
| <i>Sciurus carolinensis</i> | Grey squirrel | |
| <i>Sciurus niger</i> | Fox squirrel | |
| <i>Tamias sibiricus</i> | Siberian chipmunk | |
| <i>Threskiornis aethiopicus</i> | Sacred ibis | |
| <i>Trachemys scripta</i> | Red-eared and yellow-eared sliders | |
| <i>Vespa velutina</i> | Asian hornet | |

12 IAS added with first update of the Union list (2017)

| Plants - Scientific name | Common name |
|------------------------------------|------------------------|
| <i>Alternanthera philoxeroides</i> | Alligator weed |
| <i>Asclepias syriaca</i> | Common milkweed |
| <i>Elodea nuttallii</i> | Nuttall's waterweed |
| <i>Gunnera tinctoria</i> | Chilean rhubarb |
| <i>Heracleum mantegazzianum</i> | Giant hogweed |
| <i>Impatiens glandulifera</i> | Indian balsam |
| <i>Microstegium vimineum</i> | Japanese stiltgrass |
| <i>Myriophyllum heterophyllum</i> | Broadleaf watermilfoil |
| <i>Pennisetum setaceum</i> | Crimson fountaingrass |

| Animals - Scientific name | Common name |
|---------------------------------|----------------|
| <i>Alopochen aegyptiaca</i> | Egyptian goose |
| <i>Nyctereutes procyonoides</i> | Raccoon dog |
| <i>Ondatra zibethicus</i> | Muskrat |

Towards 2nd update of the list (2018)



Risk assessments under review

| | |
|-----------------------------------|-------------------|
| <i>Ailanthus altissima</i> | tree of heaven |
| <i>Ameiurus spp.</i> | bullheads |
| <i>Cardiospermum grandiflorum</i> | balloon vine |
| <i>Channa spp.</i> | snakeheads |
| <i>Cinnamomum camphora</i> | camphor tree |
| <i>Gymnocoronis spilanthoides</i> | Senegal tea plant |
| <i>Hygrophila polysperma</i> | Indian swampweed |
| <i>Lepomis spp.</i> | sunfishes |
| <i>Neovison vison</i> | American mink |
| <i>Pistia stratiotes</i> | water lettuce |
| <i>Salvinia molesta</i> | salvinia moss |





Open access at early stage

The screenshot displays the CIRCABC website interface. At the top, the European Commission logo and the text 'European Commission | CIRCABC' are visible. Below this is a breadcrumb trail: 'EUROPA > European Commission > CIRCABC > env > ias_forum'. The main content area is titled 'Library' and includes a description: 'The Library is the space where contents are stored, managed and shared.' It also states: 'In the Library service, users manage and share their documents'. A 'Spaces' section contains a table with the following data:

| Title | Modified Date |
|---|------------------------|
| 0 Meetings of the Scientific Forum | 13 December 2016 13:52 |
| 0 Risk Assessments - Explaining the procedure | 21 February 2017 15:49 |
| 1 Risk Assessments - IAS listed | 22 December 2015 14:44 |
| 1bis Risk Assessments - IAS not listed | 20 March 2017 16:45 |
| 2 Risk Assessments - IAS proposed for listing | 21 November 2016 12:54 |
| 3 Risk Assessments - check by Scientific Forum | 16 January 2017 09:32 |
| 4 Risk assessments - under consideration or under development | 20 March 2017 16:38 |

Below the 'Spaces' section is a 'Content' section with a table:

| Name | Size | Modified Date |
|-------------------------------|----------|-----------------------|
| links to online material.xlsx | 19.88 KB | 22 January 2016 10:22 |

On the left side of the interface, there is a 'Scientific Forum on Invasive Alien Species' sidebar with a 'Library' menu item highlighted. Below it is a search box with a 'Go' button and an 'Advanced Search' link. A 'Main Menu' section includes links for 'Browse categories', 'Login', 'Help', and 'CIRCABC online training course'. At the bottom left, there is a 'W3C WAI-A WCAG 1.0' logo.

<https://circabc.europa.eu/w/browse/ed95cea1-4f6a-4a3b-b27d-b2bfb8288c42>



Action triggered by the Union list

| | |
|---|---|
| Prevention of new introductions or further spread | <ul style="list-style-type: none">• Restrictions on intentional activities• <i>Pathway management to tackle unintentional introductions*</i> |
| Early detection and rapid eradication of new populations | <ul style="list-style-type: none">• <i>Surveillance*</i> & official controls• Early detection and notification• Rapid eradication |
| Management | <ul style="list-style-type: none">• <i>Management measures*</i> for widely spread species |

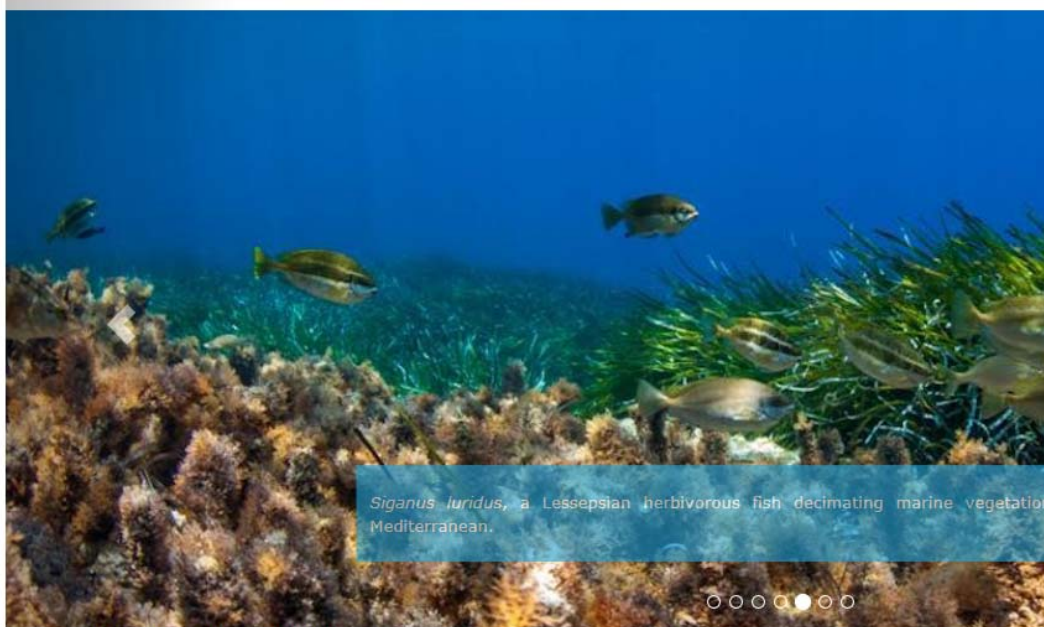
**In progress*



JOINT RESEARCH CENTRE European Alien Species Information Network - EASIN

European Commission > EU Science Hub > EASIN

HOME ABOUT EASIN SERVICES DOCUMENTATION NOTSYS EDITOR



European Alien Species Information Network

| | | |
|--------------------------|----------------------------------|----------------------------|
| SPECIES 14.011 | OCCURRENCES 48.045.569 | DATA PARTNERS 12 |
|--------------------------|----------------------------------|----------------------------|

Data Partners

| | | | |
|---|--|---|--|
| GBIF The Global Biodiversity Information Facility (GBIF) is an international open data infrastructure, funded by governments. It allows anyone, anywhere to access data about all types of life on Earth, shared across national boundaries via the Internet. By aggregating and linking institutions to public data accessible to everyone. <p>Website: http://www.gbif.org Partner since: 10 September 2011</p> | GLOBAL INVASIVE SPECIES INFORMATION NETWORK The Global Invasive Species Information Network (GISIN) was formed to provide a platform for sharing invasive species information at a global level, via the Internet and other digital means. A group of stakeholders led by the United States Geological Survey are developing the GISIN as a Web-based network of databases that are <p>Website: http://www.gisn.org Partner since: 10 September 2011</p> | REABIC management. Realization of international cooperation in the invasive species related issues, linking international research community and general public, managers and decision makers as well as other interested stakeholders are among the main REABIC objectives. The REABIC is started in 2002 as a real partner. <p>Website: http://www.reabic.net Partner since: 10 September 2011</p> | REASIN Recognizing the need for national and international cooperation in research, specific information exchanges and management of alien species in Europe, a network of experts was established in 2002. REASIN (The Europe Network on Invasive Alien Species) based at the Helmholtz Centre for Marine Research (HZM), Helmholtz Research <p>Website: http://www.reasin.org Partner since: 10 September 2011</p> |
| BIOETHICS The Commission, with Headquarters in Helsinki, developed by JRC, is a scientific-related special database providing data on species distribution, geographical records and distribution ranges, established from scientific literature and research records. <p>Website: http://ec.europa.eu/bioethics Partner since: 11 March 2011</p> | CISIM The Commission, with Headquarters in Helsinki, has grown from the aquatic bioturbation activities of its origin to 22 Member States today. These support a network of several thousand marine researchers, carrying the latest scientific data to better understand, monitor and predict a fast-changing, North Atlantic and Mediterranean Sea. <p>Website: http://www.cisim.org Partner since: 11 March 2011</p> | EEA The European Environment Agency (EEA) is an agency of the European Union. Its task is to provide sound, independent information on the environment. They are a major information resource for those involved in developing, advising, implementing and evaluating environmental policy, and also the general public. Contact: the <p>Website: http://www.eea.europa.eu Partner since: 17 June 2011</p> | hcmr The Helmholtz Centre for Marine Research is the national laboratory of Helmholtz Association and marine research. Their work covers the entire spectrum from basic science to technological research. They do large scale measurements in the ocean, measure environmental parameters, explore the southern and arctic oceans and <p>Website: http://www.hcmr.org Partner since: 17 June 2011</p> |
| IUCN MedMIS IUCN, International Union for Conservation of Nature, takes the world and regional solutions to our most pressing environmental and development challenges. Their work focuses on saving and restoring nature, ensuring effective and equitable governance of its use, and developing nature-based solutions to major challenges in climate. <p>Website: http://www.iucnmedmis.org Partner since: 20 September 2011</p> | BPPD BPPD is an inter-governmental cooperation research for assessment and harmonization in plant protection within the European and Mediterranean region. Under the International Plant Protection Convention (IPPC), BPPD is the regional plant protection cooperation (RPPC) for Europe. Founded in 1981, BPPD has grown from <p>Website: http://www.bppd.org Partner since: 18 February 2011</p> | MARSIE MARSIE is a system developed by HZM/REASIN in collaboration of the Helmholtz Centre for Marine Research (HZM). It is a regional system collecting, analyzing and disseminating information on alien and invasive species in the Mediterranean region. <p>Website: http://www.marsie.org Partner since: 31 October 2011</p> | REASIN The European Biodiversity Information Centre (EBIC) was established by a parliamentary resolution and became operational in 2008. The goal of EBIC is to serve as a national source of information on species and subspecies in Europe, and to make available information on biodiversity policy available and accessible to the <p>Website: http://www.biodiversitycentre.org Partner since: 31 October 2011</p> |

Upcoming Events

Thursday, 1 June 2017, Madeira, Portugal
Meeting of the Bern Convention Group of Experts on Invasive Alien Species

<http://easin.jrc.ec.europa.eu/>



NOTSYS – notifications made up to now

19 notifications by 8 MS

(BE 5, IE 4, DE 3, UK 3, FR 1, HU 1, LU 1, NL 1,)

- *Vespa velutina* 8 (UK:3, BE:4 , NL:1)
- *Myocastor coypu* 3 (HU,IE, LU)
- *Muntiacus reevesi* 3 (BE, FR, IE)
- *Lagarosiphon major* (IE)
- *Oxyura jamaicensis* (DE)
- *Eichhornia crassipes* (DE)
- *Nasua nasua* (DE)
- *Procyon lotor* (IE)





Input expected from LIFE projects on IAS (1)

Prevention:

- Management of pathways of unintentional introduction, e.g. ballast water, vessels, equipment, soil, seeds, man-made corridors,...
- Management of pathways of intentional introduction, e.g. horticulture, pets, aquaria,...
- Businesses championing the Regulation
- Promotion of native species as alternatives to IAS
- Involvement of the custom authorities





Input expected from LIFE projects on IAS (2)

Early Detection:

- Surveillance systems

Rapid Eradication – Management:

- Minimising side-effects of measures, non-lethal methods, ...
- Valorisation of species in the framework of eradication, e.g. processing as food, fibre, biomass
- Restoring ecosystems as to foster resilience towards reinvasions

Horizontal issues:

- Involvement of rural stakeholders: fishermen, anglers, hunters, landowners, foresters, horticulturists, farmers, etc.
- Involvement of the wider public, education and awareness raising



Thank you for your attention!

ENV-IAS@ec.europa.eu

http://ec.europa.eu/environment/nature/invasivealien/index_en.htm

