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List of Invasive Alien Species (IAS) Online Information Systems

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PLEASE READ THIS FIRST:

This document contains a list of Internet-accessible databases and information systems providing species, bibliographic, taxonomic, expertise, distributions, images and many other information types as they pertain to invasive, exotic, alien, introduced, non-native species and all other species of world flora and fauna.

NOTE: Information contained within this document is planned for future cataloguing. Databases are listed in no specific order or priority with the exception of the numbering and arrangement of databases into basic groups. This list of databases and related information is by no means intended to be comprehensive. If there is a database or information about a database that you feel should be included in this list, please do not hesitate to email Elizabeth Sellers at esellers@usgs.gov.

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Global Context - IAS Databases

1. Global Invasive Species Database (GISD)

URL: <http://www.issg.org/database> and <http://www.invasivespecies.net/database>

Host/Originating Country: Invasive Species Specialist Group (ISSG) / New Zealand; National Biological Information Infrastructure (NBII) / USA.

Language: English

Description: Provides global information on alien invasive species to agencies, resource managers, decision-makers, and interested individuals. Information is supplied by expert contributors from around the world and includes all types of species. Data includes species ecology, distribution (native and alien ranges), impacts, general and management references, links, and expert contacts.

2. 100 of the World's Worst Invasive Alien Species (in GISD)

URL: <http://www.issg.org/database/species/search.asp?st=100ss&fr=1&sts=>

Host/Originating Country: Invasive Species Specialist Group (ISSG) / New Zealand; National Biological Information Infrastructure (NBII) / USA.

Language: English

Description: Species listing of information about 100 of the world's worst invasive alien species.

3. Global Compendium of Weeds (GCW)

URL: http://www.hear.org/gcw/alpha_select_gcw.htm

Host/Originating Country: U.S. Geological Survey, Hawaiian Ecosystems at Risk project (HEAR) / USA.

Language: English

Description: Reviews the information in the publication entitled "A Global Compendium of Weeds" by Rod Randall (Department of Agriculture of Western Australia [AgWest]). Contains references to approximately 20,000 taxa of plants, citing information about "weedy" characteristics of each.

4. World Weeds Database

URL: <http://w3.to/weeds> (**NOTE: non-functioning URL**).

Host/Originating Country: Oxford Forestry Institute, Oxford University, UK.

Language: English

Description: Displays information on more than 2400 weed species around the world, including non-native species, ranked according to the severity of infestation. Users can view data by country, plant, genus, or family.

5. Database of Global Marine Invasive Species Threats

URL: <http://conserveonline.org/workspaces/global.invasive.assessment>

Host/Originating Country: Conserveonline.org / USA.

Language: English

Description: Downloadable access database containing information on over 330 marine invasive species, including non-native distributions by marine ecoregion, invasion pathways, and ecological impact and other threat scores. This is an ongoing project and the database will be updated periodically.

Non-USA Context - IAS Databases

6. **IABIN – Invasives Information Network (I3N) (Western Hemisphere)**

URL: <http://i3n.iabin.net/index.html>

Host/Originating Country: National Biological Information Infrastructure (NBII), USA.

Language: English

Description: A regional network of invasive species knowledge bases, providing direct access to national knowledge bases throughout the Americas. Includes a data search capability across all contributing countries, list of country catalogs, value-added products, fact sheets, and presentations.

i. I3N-Argentina

URL: Database - <http://www.inbiar.org.ar/>
and <http://i3n.iabin.net/participants/argentina.html>

Host/Originating Country: Universidad Nacional del Sur / Argentina.

Language: Spanish

ii. I3N-Bahamas

URL: <http://i3n.iabin.net/participants/bahamas.html>

Description: Includes invasive species lists for all species, plants and animals, and a Pest List of Ministry.

iii. I3N-Brazil

URL: Database - <http://i3n.institutohorus.org.br/>
and <http://i3n.iabin.net/participants/brazil.html>

Host/Originating Country: Instituto Horus / Brazil.

Language: Portuguese

iv. I3N-Chile

URL: <http://i3n.iabin.net/participants/chile.html>

v. I3N-Colombia

URL: Database - <http://ef.humboldt.org.co/>
and <http://i3n.iabin.net/participants/colombia.html>

Host/Originating Country: Instituto Alexander von Humboldt / Colombia.

Language: Spanish

vi. I3N-Costa Rica

URL: Database - <http://invasoras.acebio.org/>
and <http://i3n.iabin.net/participants/costarica.html>

Host/Originating Country: Asociación para la Conservación y el Estudio de la Biodiversidad, ACEBIO / Costa Rica

Language: Spanish

vii. I3N-Dominican Republic

URL: Database -
http://www.medioambiente.gov.do/inbidom/main/spanish/base_datos/index.html
| and <http://i3n.iabin.net/participants/dominicanrep.html>

Host/Originating Country: Secretaría de Estado de Medio Ambiente y Recursos Naturales / Dominican Republic

viii. **I3N-Ecuador**

URL: Database - <http://www.invasorasecuador.org/> and
<http://i3n.iabin.net/participants/ecuador.html>

Host/Originating Country: Ministerio del Ambiente y CDC-Ecuador / Ecuador

ix. **I3N-El Salvador**

URL: <http://i3n.iabin.net/participants/elsalvador.html>

x. **I3N-Guatemala**

URL: Database - http://www.geocities.com/otecbio_especies/ and
<http://i3n.iabin.net/participants/guatemala.html>

Host/Originating Country: Oficina Tecnica de Biodiversidad / Guatemala.

Language: Spanish

Description: Lists of invasive species, experts, projects, databases, a photographic gallery, information on *Verticillata hydrilla*. I3N catalogs include the I3N-Guatemala catalog of information on invasive species research and activities in Guatemala.

xi. **I3N-Jamaica**

URL: Database - <http://jamaica.paradigma.com.ar/> and
<http://i3n.iabin.net/participants/jamaica.html>

Host/Originating Country: Institute of Jamaica - Natural History Division / Jamaica

Language: English

xii. **I3N-Mexico**

URL: Database - <http://www.conabio.gob.mx/invasoras/index.php/Especies>
and <http://i3n.iabin.net/participants/mexico.html>

Host/Originating Country: CONABIO / Mexico

Language: Spanish

Description: Describes invasive species information system developments in Mexico, including the Biotica database # in this list, and the National System of Information on Biodiversidad (SNIB) as containing IAS information. I3N catalogs include species information, experts, projects and data sets.

xiii. **I3N-Paraguay**

URL: Database - <http://www.i3n.org.py/>
and <http://i3n.iabin.net/participants/paraguay.html>

Host/Originating Country: Asociación Guyra Paraguay / Paraguay

Language: Spanish

xiv. **I3N-Peru**

URL: <http://i3n.iabin.net/participants/peru.html>

xv. **I3N-Uruguay**

URL: Database - <http://uruguayi3n.iabin.net/>
and <http://i3n.iabin.net/participants/uruguay.html>

Host/Originating Country: Facultad de Ciencias - Universidad de la República / Uruguay

Language: Spanish

xvi. **I3N-USA**

URL: <http://i3n.iabin.net/participants/usa.html>

Description: List of invasive species of concern of the NBI Invasive Species Information Node (clicking on the species name brings up a page, created from the XML, with the actual content of all the links): http://pick1.pick.uga.edu/cgi-bin/20q?act=x_checklist&path=INVASIVES and a Partial Species List with ITIS links.

7. [InfoNatura – Birds, Mammals and Amphibians of Latin America](#)

URL: <http://www.natureserve.org/infonatura/>

Host/Originating Country:

Language: English

Description: Information on bird, mammal and amphibian species of Latin America, including invasive species. Includes amphibian data for Mexico and Central America, bird and mammal range maps, photos, global conservation status, habitat description, distribution, population status, references, and maps.

8. [DAISIE European Invasive Alien Species Gateway](#)

URL: <http://www.europe-aliens.org/>

Host/Originating Country: DAISIE / Great Britain

Language: English

Description: A comprehensive European Invasive Alien Species Gateway, providing information on biological invasions in Europe, including species lists and profiles, experts, and information by region (aquatic, marine, and terrestrial). * DAISIE = Delivering Alien Invasive Species Inventories for Europe.

9. [European Information System on Invasive Alien Species – Regional Biological Invasions Centre \(RBIC\)](#)

URL: <http://www.zin.ru/rbic/>

Host/Originating Country: Zoological Institute RAS / Russia

Language: English

Description: Web portal providing access to the global, regional and national internet resources on biological invasions. RBIC Information System is serving as a Regional Clearinghouse on invasive alien species and information hub of the Global Invasive Species Informational Network. Databases included in the RBIC are:

- i. Aquatic Invasive Species of Europe - http://www.zin.ru/projects/invasions/gaas/AA_IDB.HTM
- ii. GIS Invader - <http://www.zin.ru/rbic/projects/invader/default.asp>
- iii. Alien Species of the Baltic Sea (#13 in this document)
- iv. European Research Network on Aquatic Invasive Species (ERNAIS) - <http://www.zin.ru/rbic/projects/ernais/default.asp>
- v. Alien Species of North-West Russia information system (under development)

10. [North European and Baltic Network on Invasive Alien Species \(NOBANIS\) Database](#)

URL: <http://www.nobanis.org/Search.asp>

Host/Originating Country: Danish Forest and Nature Agency / Denmark.

Language: English

Description: The NOBANIS is a gateway to databases on invasive species in the Nordic and Baltic region and houses the NOBANIS database, which provides access to invasive species information for the region. Each species profile contains distribution maps, common names, scientific names and synonyms, habitat information, and indications of biostatus or invasiveness.

11. [Ellenic Network on Aquatic Invasive Species \(ELNAIS\)](#)

URL: <https://services.ath.hcmr.gr/>

Host/Originating Country: Hellenic Centre for Marine Research (HCMR) / Greece

Language: English

Description: Includes a directory of aquatic invasive species projects, publications; 105 European experts (scientists and managers) in the area of aquatic invasions from 27 countries; and a database of 284 invasive aquatic invasive species with photographs and distribution maps.

12. [Estonian Alien Species Database.](#)

URL: <http://eelis.ic.envir.ee/voorliigid/>

Host/Originating Country: Estonia.

Language: Estonian, English.

Description: Provides access to PDF lists of aquatic invaders, introduced mammals, birds, terrestrial invertebrates and plants.

13. [Marine Alien Species of Estonia](#)

URL: http://www.sea.ee/Sektorid/merebioloogia/eesti/Marine_Alien_Species_of_Estonia.htm

Host/Originating Country: Estonian Marine Institute, University of Tartu Tallinn / Estonia.

Language: Estonian, English

Description: Provides information on invasive alien species of plankton, benthic invertebrates and fishes. Each species profile includes scientific names, common names, digital images, identification/descriptive information, natural distribution, first Estonian introduction record, invasion history in the baltic sea, distribution and population dynamics in Estonian waters, distribution maps, ecological and economical impact, contacts for more information, and references.

14. [Danish Forest and Nature Agency – Invasive Species Lists \(Denmark\)](#)

URL: <http://www.skovognatur.dk/Emne/Naturbeskyttelse/invasivearter/>

Host/Originating Country: Danish Forest and Nature Agency / Denmark

Language: Danish, English

Description: Includes lists of invasive plant and animal species in Denmark and related information. Each species profile includes digital images and descriptive information.

15. [Baltic Sea Alien Species Database](#)

URL: <http://www.corpi.ku.lt/nemo/mainnemo.html>

Host/Originating Country: Coastal Research and Planning Institute, Klaipeda University, Lithuania.

Language: English

Description: Interactive tool, including DATABASE SEARCH, BALTIC SUB-REGIONS and SPECIES DIRECTORY. The information comprised in the Database comes from: a) members of the Baltic Marine Biologists Working Group on Non-indigenous Estuarine and Marine Organisms and other researchers involved in invasive biology studies; b) published papers, environmental reports, "grey literature", Internet sites; c) a Database Questionnaire (under construction).

16. [Alien Species in Poland](#)

URL: <http://www.iop.krakow.pl/ias/>

Host/Originating Country: Instytut Ochrony Przyrody (IOP) PAN / Poland

Language: Polish, English

Description: A database of 403 alien species of plants, animals and fungi, describing pathways, place and time of introduction to Poland, current distribution, population trends and impact upon

native species, habitats and ecosystems. For some species, there are also suggested methods of control.

17. [Alien Animal Species in Poland](#)

URL: <http://www.iop.krakow.pl/gatunkiobce/default.asp>

Host/Originating Country: Instytut Ochrony Przyrody (IOP) PAN / Poland

Language: Polish, (English coming soon)

Description: A database of over 100 alien animal species in Poland. The searchable database provides species listed alphabetically or taxonomically by scientific name. Each scientific name is linked to a species profile that includes distribution maps, photographs, morphological and ecological descriptive information, introduction information, and bibliographic references.

18. [Lumonet - Finnish CHM of the CBD \(Finland\)](#)

URL: <http://www.ymparisto.fi/default.asp?node=8344&lan=en>

Host/Originating Country: Finnish Environment Institute (SYKE) / Finland.

Language: Finnish, Swedish, English

Description: Biodiversity clearing-house mechanism of the CBD. Currently links to Baltic Sea Alien Species database, Nordic Network on Introduced Species (NNIS), Regional Biological Invasions Center (RBIC) and contains an RTF article by Petri Nummi on Alien Species in Finland.

19. [Introduction and Spread of Alien Organisms \(Sweden\)](#)

URL: <http://www.svenskamiljonatet.se/miljonat/english/katalog/>

Host/Originating Country: Swedish EnviroNet Environment Catalog – Environmental Threats / Sweden.

Language: Swedish, English

Description: Catalog of environmental information (literature, research) and data for Sweden, including a section on introduction and spread of alien organisms under the 'Environmental Threats' category.

20. [Alien Species in Swedish Seas and Archipelago Areas](#)

URL: <http://www.frammandearter.se/>

Host/Originating Country: / Sweden.

Language: Swedish, English

Description: A compilation of current knowledge on alien species in Swedish seas and archipelago areas, including the Skagerrak/Kattegat and the Baltic Sea. Includes lists of phytoplankton and microalgae, seaweeds, vascular plants, molluscs, crabs, crustaceans, worms and other invertebrates, fish, and mammals. Some species names in the list are linked to PDF fact sheets that contain digital images, common names (including in other languages, scientific name, size and appearance description, similar species or lookalikes, geographical origin, first observation in Swedish waters, occurrence in Swedish seas and coastal areas, occurrence in other sea areas, probable means of introduction, habitats, ecological and other effects, additional information and references.

21. [BIOLFLOR – Vascular Plant Search and Information System \(Germany\)](#)

URL: <http://www.ufz.de/biolflor/index.jsp>

Host/Originating Country: Centre for Environmental Research (UFZ), The German Federal Agency for Nature Conservation (BFN) / Germany.

Language: German, English

Description: information system on vascular plants of Germany, including biological and ecological traits of alien plant species.

22. [Invasive Plant Species in Germany \(NeoFlora\) \(Germany\)](#)

URL: <http://www.neophyten.de/>

Host/Originating Country: The German Federal Agency for Nature Conservation (BFN) / Germany.

Language: German

Description: Fact sheets on invasive alien plant species in Germany, including legal framework, ecology, impacts and control measures.

23. [German National Flora Information System \(Germany\)](#)

URL: www.floraweb.de

Host/Originating Country: German Federal Agency for Nature Conservation (BfN) / Germany.

Language: German

Description: National information system on biology, distribution, and threat of all wild growing vascular plants of Germany, including alien plant species.

24. [Invasive Species in Belgium](#)

URL: <http://ias.biodiversity.be/ias/>

Host/Originating Country: Belgian Biodiversity Platform, Belgian Clearing-House Mechanism / Belgium

Language: English, French, Dutch, German

Description: List of IAS that live in Belgium and that are known to have a detrimental impact on the environment. Includes species of terrestrial plants, molluscs, crustaceans, insects, fish, amphibians, reptiles, birds, and mammals. Species names link users to fact sheets/profiles containing taxonomic information (including common name in English, French, Dutch and German), photographic images, a description of origin and distribution (including map of Belgium with location points of feral populations), ecology and life history traits (habitat preferences, life cycle, dispersal capacity, competition & predation, defense mechanisms), detrimental effects, population control, references, internet links, and contact email for those responsible for preparing the fact sheet/species profile.

25. [Introduced Plants and Animals \(in Russia\)](#)

URL: http://www.biodat.ru/db/intro/plant_e.htm

Host/Originating Country: Global Environment Facility, Quarantine Institute of the Russian Ministry of Agriculture, Institute of geography of the Russian Academy of Sciences / Russia.

Language: Russian, English

Description: Two databases (one of 1119 introduced plant records, and the other of 3250 introduced animal records) searchable by latin name, russian name, order, family, country of origin, and region of introduction. Information provided for species includes latin name, russian name, kingdom, order, family, point of exportation, country of exportation, region of exportation, manner of encroachment, detection point, area of introduction, country of introduction, region of introduction, biotype of introduction, year of introduction, population, dispersal dynamics, type of introduction, purpose of introduction, target organism, enemies and competitors, introduction results, economic importance, information source, year and scientific institution.

26. [Invasive Non-Native Species in the UK](#)

URL: <http://138.253.199.114/IAAP%20Web/IAAPwebsite/index.asp>

Host/Originating Country: Applied Vegetation Dynamics Laboratory, University of Liverpool / UK.

Language: English

Description: Information on all Alien or Non-native organisms that are invasive in the UK providing information regarding problem species, management strategies and control techniques. Includes all taxonomic groups of multicellular organisms, classified as plants or animals, and

aquatic (freshwater) or terrestrial. Marine species are included in a fifth section which includes; algae, higher plants and animals. Each species profile contains information on control methods, impacts, ecology, references, taxonomy, contacts, case histories, and fact sheets.

27. [Non-native Marine Species in British Waters](#)

URL: http://www.jncc.gov.uk/marine/non_native/

Host/Originating Country: Joint Nature Conservation Committee (JNCC) / UK.

Language: English

Description: An online listing of marine flora and fauna information sheets describing non-native marine invertebrates, algae, and plants in the United Kingdom.

28. [Chinese Mitten Crabs \(NHM, UK\)](#)

URL: <http://www.nhm.ac.uk/nature-online/life/other-invertebrates/chinese-mitten-crabs/chinese-mitten-crabs.html>

Host/Originating Country: The Natural History Museum / UK

Language: English

Description: A web site profiling the Chinese Mitten crab (*Eriocheir sinensis*) with information on its identification, classification, life history, distribution and associated environmental problems.

29. [Biological Records Center \(BRC\) \(British Isles\)](#)

URL: <http://www.brc.ac.uk/>

Host/Originating Country:

Language: English

Description: National custodian of wildlife distribution data for the British Isles. Provides species distribution information, including introduced crayfish and other marine invasive species.

30. [EPPO \(Pest\) Alert List \(Europe & Mediterranean\)](#)

URL: http://www.eppo.org/QUARANTINE/Alert_List/alert_list.htm

Host/Originating Country: European and Mediterranean Plant Protection Organization (EPPO) / France.

Language: English

Description: Information on pests selected because they may present a phytosanitary risk for the EPPO region. Includes reports on pests that are new to science, new outbreaks, reports of spread, etc.

31. [Mediterranean Region Invasive Plants](#)

URL: <http://www.ame-lr.org/plantesenvahissantes/>

Host/Originating Country: Agence Méditerranéenne de l'Environnement / France.

Language: French

Description: Linked list of 15 plant species providing information on description, reproduction biology, history, habitat, impacts, control, culture, and mapped distributions/observations.

32. [Atlas of Exotic Species in the Mediterranean Sea \(CIESM\)](#)

URL: <http://www.ciesm.org/online/atlas/index.htm>

Host/Originating Country: International Commission for the Scientific Exploration of the Mediterranean Sea (CIESM) / Monaco.

Language: English

Description: Provides a comprehensive, group by group, survey of recent marine 'immigrants' in the Mediterranean, which is undergoing drastic and rapid changes to its biota. Includes crustacean decapods and stomatopods, fishes, and molluscs.

33. [Bibliography on *Caulerpa taxifolia* in the Mediterranean](#)

URL: <http://www.com.univ-mrs.fr/basecaul/>

Host/Originating Country: Center of Oceanology of Marseilles / France.

Language: French.

Description: Provides a bibliography of publications on *Caulerpa taxifolia* in the Mediterranean.

34. [Caulerpa taxifolia Web site \(Mediterranean\)](#)

URL: <http://www.isima.fr/ecosim/ct.html>

Host/Originating Country: Institut Supérieur d'Informatique de Modélisation et de leurs Applications (ISIMA) / France.

Language: English

Description: Provides images showing the different stages for the simulation of *Caulerpa taxifolia* evolution in the north Mediterranean sea. Part of the *Caulerpa* modeling & simulation program.

35. [Caspian Sea Biodiversity database](#)

URL: <http://www.caspianenvironment.org/biodb/eng/main.htm>

Host/Originating Country: Caspian Environment Programme / Caspian Sea nations

Language: English, Russian (Common names also in Kazakh, Turkmenian, Azerbaijani)

Description: Information about aquatic alien invasive species in the Caspian Sea including taxonomic description (phylum, class, order, family, genus, synonyms), common names, photographic images or diagrams, description and map of distribution of species within the Caspian Sea (includes status as per International/National Red Data Books, references for the first record for the Caspian Sea and for the redescription of the species), general characteristics of the species, relation to abiotic environmental factors, feeding, reproduction, life history and development, interspecific relations, impacts, references, and name/affiliation of the record creator.

36. [Latvian Alien Species Database](#)

URL: <http://www.latvijasdaba.lv/>

Host/Originating Country: Latvia

Language: Latvian, English

Description: Online Nature Encyclopedia (database) 5217 flora and fauna species of Latvia region including alien species. Species records are grouped into plants, mushrooms or fungi, extinct devonian fauna, molluscs, insects, butterflies, fishes, amphibians, reptiles, birds, and mammals. Each species profile contains common names, scientific names, illustrations, and descriptive information.

37. [Lithuanian Invasive Species Database](#)

URL: <http://www.ku.lt/lisd/>

Host/Originating Country: Lithuania

Language: Lithuanian, English

Description: Online database containing an invasive species inventory, listed alphabetically by scientific name, and including taxon, date first recorded, country of origin, and linked references. The user can narrow the list down by selecting terrestrial groupings of fungi, plants, and animals; inland waters groupings of plants and animals; and coastal waters groupings of plants and animals. The Web site also provides access to information and other resources related to the project including the project team members, Lithuanian legislative and administrative acts related to biological invasions, and a bibliography.

38. [Introduction to Invasive Species In China](#)

URL: <http://monkey.ioz.ac.cn/bwg-cciced/english/cesis/invasive.htm>

Host/Originating Country: Zoological Division of Chinese Biodiversity Information Center / China

Language: English, Chinese

Description: Brief description of criteria for defining invasive alien species and a partial list of invasive species in china including mammals, birds, fishes, crustaceans, mollusks, insects, nematodes, fungi, wildlife disease, plants).

Host Web site also provides information on biodiversity in China including the following databases/lists: Taxonomic codes of Chinese fauna – Vertebrates, Species Inventory Database of Chinese Animals, Endangered and Protected Species Database of Chinese Animals, Catalogue Database of Chinese Biodiversity Reference, Database of Expert on Biodiversity Study in China, Database of Medicinal Animal in China, Chinese Biodiversity Bibliography Database, Chinese Biodiversity Database Index, Fauna Sinica, and Zoological Journals Published in China.

39. [Alien Invasive Species in China](#)

URL: <http://www.chinabiodiversity.com/shwdyx/ruq/ruq-index-en.htm>

Host/Originating Country: XIE Yan, Institute of Zoology, Chinese Academy of Sciences / China

Language: Chinese, English

Description: Contains information and images of IAS in China as well as published articles and information on control strategies, mechanisms of introduction, human dimensions and IUCN Guidelines.

40. [China Invasive Species Network](#)

URL: <http://www.bioinvasion.org.cn:9090/xu716/index.jsp>

Host/Originating Country: College of Biological Science, Beijing Normal University
Institute of Animal and Plant Quarantine, General Administration of Quality Supervision,
Inspection and Quarantine of the People's Republic of China (AQSIQ) / China.

Language: Chinese, English

Description: Includes a database, species alerts, related literature, control methods, and regulations.

41. [Exotic Plants Information System of China](#)

URL: <http://weeds.njau.edu.cn/exowort/exoweeds.htm>

Host/Originating Country: Nanjing Agricultural University / China

Language: Chinese

Description: Information on invasive flora in China including investigations of invasions, regulations, and species lists.

42. [Asia-Pacific Alien Species Database \(APASD\)](#)

URL: <http://apasd-niaes.dc.affrc.go.jp/>

Host/Originating Country: APASD Secretariat / Japan

Language: English

Description: Information on various invasive alien species (IAS) in Asia-Pacific countries and regions - searchable by organism group, country or region, year of invasion or detection. Database includes IAS groupings of plants, insects, nematodes, mammals, other animals, fungi, bacteria, viruses, and others. IAS information for 37 countries and regions currently listed. Data includes taxonomic name, English common name, year of invasion or detection, native region, situation of establishment, expansion of distribution area, environmental impact, economic damage, reproduction, growth, countermeasures, and writer's details. Users can retrieve information on similar species, host species, reference, habitat; and photos of IAS, similar species, and damage caused by IAS. Information can be compared among countries and regions.

43. [Invasive Plants Database \(Japan\)](#)

URL: <http://invasive.m-fuukei.jp/>

Host/Originating Country: YOSHIOKA Toshiya, Greenery Technology and Landscape Planning / Japan

Language: English

Description: This list is assembled landscaping plants that are mentioned escaping from nurseries, farms, flower beds, etc. or invading into natural/semi-natural area as secondary forests, natural forests.

44. [Rod Randall's Big Weed List \(Australia\)](#)

URL: <http://tncweeds.ucdavis.edu/biglist.html>

Host/Originating Country: The Nature Conservancy / USA.

Language: English

Description: A compilation of records relating to plants as weeds anywhere in the world. The list can be downloaded in Microsoft Word format, or browsed online alphabetically by scientific name.

45. [Weeds Australia database](#)

URL: <http://search.weeds.org.au/>

Host/Originating Country: National Weeds Strategy Executive Committee / Australia

Language: English

Description: Search engine provides searchable access to weed-related web addresses, weed people, products, resources, current issues, weed management, training and materials, weed identification and a noxious weeds list. Assists in finding web based weed related information that is on Australian government and major community organization web sites. Information about weed species includes scientific name, other scientific names and declarations, preferred common name, other common names and a categorical description for its status in each Australian State where it is known to occur.

46. [Exotic Species Database \(Australia\)](#)

URL: http://www.weeds.crc.org.au/projects/project_1_2_1.html

Host/Originating Country: Cooperative Research Center for Weed Management / Australia.

Language: English

Description: Documents all introduced plants in Australia plus those potentially invasive species found in neighboring countries, allowing the calculation of the probability of certain plant species or groups becoming weeds. The aim of this project is to record all exotic species present in Australia and nearby countries, and use this information to calculate the probability of certain plant species or groups becoming weeds.

47. [Weed Watcher \(Australia\)](#)

URL:

<http://www.agric.wa.gov.au/pls/portal30/docs/FOLDER/IKMP/PW/WEED/WEEDWATCHER.HTM>

Host/Originating Country: Department of Agriculture / Australia.

Language: English

Description: A web-based interface for finding or reporting weed infestations from a map displayed on your computer screen. Currently over 50 environmentally and agriculturally significant weeds can be mapped across the SW of the state of Western Australia.

48. [PlantNET \(New South Wales, Australia\)](#)

URL: <http://plantnet.rbgsyd.nsw.gov.au/>

Host/Originating Country: Royal Botanic Gardens, Sydney / Australia.

Language: English

Description: Search for information on New South Wales plant names, their distribution and their conservation status, accessing the following databases:- [Freshwater Algae, Casuarinaceae nomenclature and distribution](#), the [Type Specimen Catalogue](#) of the National Herbarium of New South Wales, the [NSWplants](#) (by NSW coastal region) system, a [WeedAlert](#) (by NSW coastal region) system (not public), a [Plants@Risk](#) (by NSW coastal region) system, and [WattleWeb](#) (searchable database of Wattles of New South Wales).

49. [National Introduced Marine Pests Information System \(NIMPIS\) \(Australia\)](#)

URL: <http://crimp.marine.csiro.au/nimpis/>

Host/Originating Country: Centre for Research on Introduced Marine Pests (CRIMP), and CSIRO Marine Research, Hobart, Australia.

Language: English

Description: Information on biology, ecology and distribution of introduced marine invertebrates, algae, plants and fishes in Australia, including potential control options for those designated as pests. Also contains information for those species that are considered to be likely future introductions ('next pests').

50. [Introduced Marine Aquatic Invaders \(Australia\)](#)

URL: <http://www.fish.wa.gov.au/hab/broc/marineinvader/index.html>

Host/Originating Country: Western Australia Department of Fisheries / Australia.

Language: English

Description: Information on 12 introduced marine species found in Western Australian waters. Species profiles include photographs with diagnostic features highlighted, photographs of similar native species, information on Australian invasive populations, habitat description, identification features, distribution, mechanism of introduction, biology, habitat, impacts, control measures, and further reading. A toll free FISHWATCH phone number is also provided for users to call and report sightings of marine invasive species.

51. [Australian Government Agriculture Portal](#)

URL: <http://www.agriculture.gov.au/nrm1.cfm>

Host/Originating Country:

Language: English

Description: Resource Management System or catalogue of Australian, State and Territory Government information and services for the agricultural, fisheries, processed food and forestry industries. Provides access to alerts, species fact sheets, general publications, and government programs on invasive species - grouped under subheadings such as Pests/Feral Animals, Weeds, Marine, Forests, Land and more.

52. [Feral.org.au \(Australia/New Zealand\)](#)

URL: <http://www.feral.org.au/>

Host/Originating Country: Pest Animal Control Cooperative Research Center, University of Canberra, Bureau of Rural Sciences / Australia.

Language: English

Description: Information on vertebrate pest/invasive animal species in Australia and New Zealand including published and unpublished research, technical reports, management practices, threat abatement plans and legislation. Provides a short summary and link to full-text of relevant publications online elsewhere.

53. [Invasive Invertebrates in Natural Ecosystems \(New Zealand\)](#)

URL: <http://www.landcareresearch.co.nz/research/biocons/invertebrates/>

Host/Originating Country: Manaaki Whenua Landcare Research / New Zealand.

Language: English

Description: Information on invertebrate invasions in New Zealand including wasps, ants and mosquitos.

54. [New Zealand Weeds Database](#)

URL: <http://weeds.massey.ac.nz/database.asp>

Host/Originating Country: Massey University / New Zealand

Language: English

Description: Information on New Zealand important weed species including a database of weed species, an identification quiz, study zone and a list of links to related online resources. Information on the 70 species in the database includes photographs, common name, scientific name, comments (description), distinguishing features, and control methods.

55. [Weed Index \(New Zealand\)](#)

URL: <http://www.envbop.govt.nz/Weeds/Weed-Index.asp>

Host/Originating Country: Environment Bay of Plenty Regional Council / New Zealand

Language: English

Description: Alphabetical index of weed species providing information on each species including basic taxonomy (common and scientific names), photographs, identification, habitats, impact to biota and ecosystems, dispersal routes, vectors, infestation sources, management, and comments.

56. [Pest Animal Index \(New Zealand\)](#)

URL: <http://www.envbop.govt.nz/Land/Animals/Pest-Animals.asp>

Host/Originating Country: Environment Bay of Plenty Regional Council / New Zealand

Language: English

Description: Index of pest animal species providing information on each species including basic taxonomy (common and scientific names), ecology, infestation sources, management, and control.

57. [Aquatic Plant Management Species Guide \(New Zealand\)](#)

URL: <http://www.niwa.co.nz/rc/prog/aquaticplants/species/>

Host/Originating Country: National Institute of Water and Atmospheric Research / New Zealand

Language: English

Description: Information on low-growing, tall-growing and floating aquatic plant species, free floating species and marginal aquatic species of invasive plants in New Zealand; including basic taxonomic information, description and photographs.

58. [CARAPHIN Plant Pest Database \(Caribbean\)](#)

URL: <http://infoagro.net/health/caraphin/plantpest.cfm>

Host/Originating Country: Caribbean Animal & Plant Health Information Network (CARAPHIN), Caribbean Regional Center (CaRC), Inter-American Institute for Cooperation on Agriculture (IIC) / Trinidad and Tobago.

Languages: English

Description: Search for occurrence, outbreak frequency and testing information for pests of plant species in Caribbean nations.

59. [CARAPHIN Animal Pest Database \(Caribbean\)](#)

URL: <http://infoagro.net/health/caraphin/animalhealth.cfm>

Host/Originating Country: Caribbean Animal & Plant Health Information Network (CARAPHIN), Caribbean Regional Center (CaRC), Inter-American Institute for Cooperation on Agriculture (IIC) /

Trinidad and Tobago.

Languages: English

Description: Search for occurrence, outbreak frequency and testing information for diseases of animal species in Caribbean nations.

60. [Invasive Plants of Canada \(IPCAN\)](#)

URL: <http://24.43.80.213/nbs/IPCAN/> and <http://www.plantsincanada.com/>

Host/Originating Country: National Botanical Services, Environment Canada / Canada.

Language: English

Description: Compiles information on the biology, distribution and control of invasive exotic plants for computer mapping and analysis. Data is derived from; specimen records in national collections, from sight records made by naturalists and professional botanists, and from published reports. Provides a historical perspective on the origins and rate of spread of invasives and allows the determination of possible correlations with climatic and other environmental and land use factors using geographic information systems (GIS). Fact sheets, control case studies, invasive species of Canada survey 2002, invasive plants of Canada guide to species and methods control, documents, invasive plant alert bulletin and regional news.

61. [Canadian Botanical Conservation Network](#)

URL: http://www.rbg.ca/cbcn/en/invasives/i_list.html

Host/Originating Country: Canadian Botanical Conservation Network (CBCN) / Canada.

Language: English, French

Description: Provides an introduction to Invasive Plants of Canada, and links to a Bibliography on Invasive Plants, an Invasive Plant list, bibliographic lists, invasive plant alerts and invasive species information from the Federal of Ontario Naturalists.

62. [National Alien and Invasive Species Database \(NAISD\) \(Canada\)](#)

URL: <http://www.atl.cfs.nrcan.gc.ca:8080/cfsnet/naisd-e.html>

Host/Originating Country: Canadian Forest Service / Canada.

Language: English, French, Spanish.

Description: [Under construction]. Provides a central electronic facility for the storage, organization, exchange and dissemination of information on exotic pests that are potential threats to Canada's forests and to the trade of Canadian forest products.

63. [Classical Biological Control of Weeds \(Canada\)](#)

URL: http://res2.agr.ca/lethbridge/weedbio/index_e.htm

Host/Originating Country: Agriculture and Agri-Food / Canada

Language: English, French

Description: Information about the use of beneficial organisms for the control of weeds in Canada. Includes weed species lists by common name, species name or family name. Information on each species includes basic taxonomy, description, related problems, biological control, photographs, and references.

64. [Nova Scotia Noxious Weeds \(Canada\)](#)

URL: <http://www.gov.ns.ca/nsaf/rir/weeds/noxious.htm>

Host/Originating Country: Nova Scotia Department of Agriculture and Fisheries / Canada

Language: English

Description: Linked list of 10 invasive plant species providing information on description, photographic images, habitat, life cycle, impacts and control methods. Site also hosts a Weed Identification Guide <<http://www.gov.ns.ca/nsaf/elibrary/archive/ipm/weeds/990019.htm>> for 49

invasive plant species that includes detailed descriptive information along with life stage
photographic images for each species.

65. [Ontario Noxious Weeds \(Canada\)](#)

URL: <http://www.ovma.on.ca/noxtable.htm>

Host/Originating Country: Ontario Vegetation Management Association / Canada.

Language: English

Description: Linked list of 24 invasive plant species providing descriptive information about each species, it's growth habits, introduction, history, distribution, and including photographic images.

66. [Inventory of Canadian Agricultural Weeds](#)

URL: http://res2.agr.ca/ecorc/weeds_herbes/title-titre_e.htm

Host/Originating Country: Stephen J. Darbyshire, Agriculture and Agri-Food / Canada

Language: English, French

Description: List of Agricultural Weeds including life history, habitat, abundance, distribution in Canadian provinces, toxicity, notes and comments, taxonomical or autecological references, and references indicating rare or endangered status, reported toxicity, phytogeography, or general ecology and biology in each species account.

67. [CIPM Noxious Weeds Database \(U.S. and Canada\)](#)

URL: <http://www2.montana.edu/weedcenter/queryweedsform.html>

Host/Originating Country: Center for Invasive Plant Management (CIPM), Department of Land Resources and Environmental Sciences, Montana State University / USA.

Language: English

Description: Search for noxious weeds throughout the U.S. and Canada. The CIPM site also provides information on weed profiles, organic weed management, fire and drought, early warnings, education, grants, restoration and current events relating to weed species.

68. [Non-Native Mammals of the U.S. and Canada \(NBII\)](#)

URL: http://invasivespecies.nbi.gov/speciesinfo/mammal_list.html

Host/Originating Country: Invasive Species Information Node, National Biological Information Infrastructure (NBII) / USA.

Language: English

Description: A web-accessible and downloadable (excel format) list of non-native mammals introduced into the U.S. and Canada, compiled from the Integrated Taxonomic Information System (ITIS) as of August 2002.

69. [Invasive Species in Canada \(Wildlife Federation Canada\)](#)

URL: <http://www.cwf-fcf.org/invasive/chooseSC.asp>

Host/Originating Country: Canadian Wildlife Federation / Canada.

Language: English

Description: Species category and keyword search for information on invasive terrestrial and aquatic flora and fauna in Canada including species origin, invasive range, introduction method, and ecological impacts.

70. [Purple Loosestrife InfoCenter \(Canada\)](#)

URL: <http://www.ducks.ca/purple/>

Host/Originating Country: Ducks Unlimited Canada and the Manitoba Purple Loosestrife Project (MPLP) / Canada

Language: English

Description: Information center for purple loosestrife (*Lythrum spp.*) management in Canada including newsletters and updates from the MPLP, lists of published papers and abstracts, bibliographies, relevant Canadian research projects, brochures for download, information on biocontrol insect species used for managing purple loosestrife, news releases, educational resources (e.g. posters), a photo gallery, and a list of ten frequently asked questions about the species.

71. [Invasive Plant Program \(Min. Forests / Canada\)](#)

URL: <http://www.for.gov.bc.ca/hfp/noxious/introduc.htm>

Host/Originating Country: Ministry of Forests / Canada.

Language: English

Description: Provides description of weed problems in British Columbia, information on methods of spread, prevention, IPM, weed biology, weed identification (by floral colors), biological control, emerging threats, weed facts, downloadable brochures, posters, and other educational materials, and links. Also provides access to the electronic fourth edition of the Field Guide to Noxious and Other Selected Weeds of British Columbia.

72. [NatureServe Explorer \(USA & Canada\)](#)

URL: <http://www.natureserve.org/explorer/>

Host/Originating Country: NatureServe / USA

Language: English

Description: Contains conservation information on more than 50,000 plants, animals, and ecological communities of the United States and Canada including invasive, rare and endangered species. Information for non-native species includes taxonomic information, distribution, references, global range comments, life history, and management.

73. [399 Invasive Plants & Weeds in Canada & the U.S.](#)

URL: http://invasivespecies.nbi.gov/speciesinfo/399_list.html

Host/Originating Country: Invasive Species Information Node, National Biological Information Infrastructure (NBII) / USA.

Language: English

Description: A downloadable (Excel format) list of 399 records of invasive plants and noxious weeds in the United States and Canada; compiled by Rod Randall (per his weed list updated in 1998). Some names have been modified to agree with the Integrated Taxonomic Information System (ITIS) database.

74. [Discover Life Global Mapper](#)

URL: <http://www.discoverlife.org/nh/tx/INVASIVES/>

Host/Originating Country: U.S. Geological Survey (USGS), National Biological Information Infrastructure (NBII), University of Georgia Athens / USA.

Language: English

Description: Distribution maps of invasive species, information gathered from multiple online sources and delivered in HTML format.

75. [Forest Invasive Species Network for Africa \(FISNA\)](#)

URL:

<http://www.fao.org/forestry/foris/webview/fisna/index.jsp?siteId=6381&siteTreeId=25470&langId=1&geoid=0>

Host/Originating Country: Food and Agriculture Organization (FAO) of the United Nations, Forestry Department through FORIS / Africa.

Language: English

Description: Web site providing information about projects on forest invasive species, new invasive species outbreaks, woody invasive species, events, references, experts, quarantine issues, and other information about forest invasive species in Africa.

76. [Alien Invader Plants in South Africa](#)

URL: <http://www.plantzafrica.com/miscell/aliens1.htm>

* Originally hosted at <http://www.geocities.com/wessaaliens/index.htm>

Host/Originating Country: Wildlife and Environment Society of South Africa / South Africa

Language: English (common names in Afrikaans, Zulu)

Description: Lists of 3 categories of plants that have been declared Weeds and Alien Invader Plants in South Africa in terms of the Regulations pertaining to the Conservation of Agricultural Resources Act 43 of 1983 as amended.

77. [Swaziland's Alien Plants Database](#)

URL: <http://www.kbraunweb.com/alienplants/>

Host/Originating Country: Kate Brawn Freelance Web Design / Africa

Language: English

Description: Online database searchable by species botanical (scientific) name, common name, SiSwati name; with species lists of all plant species, by swaziland status, 8th degree grid squares; and including a Swaziland map showing 8th degree grid squares. Users can click on an individual grid square on the map to see a list of species currently recorded in that square. The database also provides a record submission for species sightings within Swaziland.

78. [Weeds and Invasive Plants \(WIP\) \(South Africa\)](#)

URL: <http://www.agis.agric.za/wip/>

Host/Originating Country: South African Department of Agriculture / South Africa

Language: English

Description: Part of the Agricultural Geo-Referenced Information System and with contributions from the Southern African Plant Invaders Atlas (SAPIA) project, "information currently available in the WIP website includes distribution maps, species descriptions, species photos & [identification experts]. There is the option to view species distributions in relation to climate, soil types, vegetation (biomes, & Acocks Veld Types), land use & other variables. The site also includes a new template for entering localities of invasive alien plants online."

79. [Alien Invasive Species of Pakistan](#)

URL: <http://edu.iucnp.org/alist.htm>

Host/Originating Country: Environment & Biodiversity of Pakistan, IUCN Pakistan, Sustainable Development Networking Programme / Pakistan.

Language: English

Description: Spreadsheet list of invasive species of Pakistan including scientific, family, english and local names, geographic origin and worst affected areas (in Pakistan).

80. [\(Aquatic\) Non-Native Species in the Gulf of Mexico Region](#)

URL: <http://nis.gsmfc.org/>

Host/Originating Country: Gulf States Marine Fisheries Commission / USA.

Language: English

Description: Information and examples of non-native aquatic species in the gulf of Mexico including biological description, pictures, references and links to other online resources. Search multiple U.S. State databases to see non-native or invasive species reports.

81. [Invasive species of Mexico \(CONABIO\)](#)

URL:

http://www.conabio.gob.mx/conocimiento/info_especies/especies_invasoras/doctos/especiesinvasoras.html

Host/Originating Country: Comisión Nacional para el Conocimiento y uso de la Biodiversidad (CONABIO) / Mexico.

Language: Spanish, English

Description: Database of invasive species in Mexico providing information for 665 plant species, 77 fish, 10 amphibian and reptile, 30 bird and 16 mammals species including origin, commentaries (e.g. biogeography) and links to ITIS and Google resources on each species.

82. [Weeds of Mexico / Malezas de Mexico](#)

URL: <http://www.malezasdemexico.net/>

Host/Originating Country: Comisión Nacional para el Conocimiento y uso de la Biodiversidad (CONABIO) / Mexico.

Language: Spanish, English

Description: Information and digital images of Mexican plants of disturbed places (i.e. weeds) to help botanists and non-botanists with identification. Species profiles for over 600 species mainly from the south-center of the country include information on taxonomy, Spanish and indigenous species names, geographical distribution and introduction, biological status (e.g. native, non-native), description, digital photographs, habitat, biology, ecology, impacts, laws and policies, control, and references.

83. [Invasive Species of India \(NCBI\)](#)

URL: <http://www.ncbi.org.in/invasive/search/index.html>

Host/Originating Country: National Chemistry Laboratory (NCL), Center for Biodiversity Informatics (CBI) / India

Language: English

Description: Search for invasive species by kingdom, common or scientific name, country of origin, and keywords to retrieve information including taxonomic heirarchy, redlist category, invasive and alien status, taxonomic scrutiny status, taxonomic synonyms, common names, genetics, DSN, biogeography, and Google Images.

84. [Introduced Species in the Canary Islands](#)

URL: <http://www.interreg-bionatura.com/especies/index.php>

Host/Originating Country: Government of the Canary Islands / Canary Islands

Language: Spanish, English

Description: Includes searchable and browseable lists of introduced established, non-established, commercial, and translated native species of plants, animals, and algae (including seaweeds) in the Canary Islands. Additional information provided in species profiles includes taxonomy, digital photos, description, distribution, habitat, biology, ecology, introduction and dispersal mechanisms, impacts, legal status and more. Criteria for searching the database include scientific name; Spanish or English common name; region; vertebrates or invertebrates; terrestrial or marine or freshwater; and island names. This site also provides a glossary of

explanations for terminology used throughout the site; a bibliography; and contact information for reporting sightings or occurrences of introduced species.

85. [Grupo de Aves Exóticas \(GAE\) / Exotic Bird Group \(Spain and Europe\)](#)

URL: http://www.seo.org/programa_ficha.cfm?idPrograma=17

Host/Originating Country: BirdLife International / Spain

Language: Spanish, English

Description: "The Bird Watching Group (EAG) is a working group of the Spanish Ornithological Society (SEO / BirdLife), created with the aim of promoting the study of bird introductions and [disclosing] the problems that may arise." This web site provides access to a glossary of definitions associated with introduced species; a list of birds introduced in Spain and Europe; a photo gallery of introduced birds; records of introduced bird occurrences; documents, and additional information about legislation.

86. [Andalucía \(Spain\) Invasive Species Control Program](#)

URL:

http://www.juntadeandalucia.es/medioambiente/site/web/menuitem.a5664a214f73c3df81d8899661525ea0/?vgnextoid=fd883570a1c4c110VgnVCM1000001325e50aRCRD&vgnnextchannel=3259b19c7acf2010VgnVCM1000001625e50aRCRD&lr=lang_es

Host/Originating Country: European Union / Spain

Language: Spanish

Description: Lists of species included in the Andalucía Invasive Species Control Program including vascular plants, inland aquatic invertebrates, freshwater fish, amphibians, reptiles, birds, and mammals. Species are listed by Spanish common name and scientific name and species profiles are available for download in PDF. Each species profile includes photographs, and information on the species' impact(s), control methods, and distribution in the region.

87. [Alien Species \(introduced into the Pertuis Charentais Sea\)](#)

URL:

http://www.ifremer.fr/crema/PGSauriau/Alien%20species/Index%20alien%20species/alien_specie_s.htm

Host/Originating Country: French National Center for Scientific Research / France

Language: English, French

Description: List of six molluscan species accidentally or intentionally introduced into the Pertuis Charentais Sea. This list is non-exhaustive and will be updated after the publication by Gouletquer et al. (in prep) of a global synopsis of the 104 alien species that have been reported along the European Atlantic (France to Portugal). Currently includes information on vectors, date of introduction and native range or origin.

88. [Atlas of \[Agricultural\] Weed Distributions in France \(ARAF\)](#)

URL: <http://www.dijon.inra.fr/malherbo/araf/index.htm>

Host/Originating Country: University of Bourgogne, Institut National de la Recherche Agronomique (INRA), Etablissement National d'Enseignement Supérieur Agronomique de Dijon (ENESAD) / France

Language: French

Description: Information on 25 weed species listed by scientific or common name including regional descriptions and distributions (maps), photographs, and species descriptions.

89. [HYpermedia for Plant Protection \(HYPPA\) – Weeds – \(Europe\)](#)

URL: <http://www.dijon.inra.fr/malherbo/hyppa/>

Host/Originating Country: Institut National de la Recherche Agronomique / France

Language: French, English

Description: Catalogues providing taxonomy, distribution, and ecological information for mature plant and seedling stages of the main weeds of western Europe (580 species). Searchable by scientific and common name.

90. [Exotic Plants of Sardinia \(Mediterranean\)](#)

URL:

<http://www.ceh.ac.uk/EPIDEMIE/EPIDEMIE%20test/Species%20descriptions/Species%20descriptions.htm>

Host/Originating Country: Centre for Ecology and Hydrology, Natural Environment Research Council / UK

Language: English

Description: Descriptions and photographs of 16 exotic plant species in the Mediterranean.

91. [Pacific Islands Alien Snake Database](#)

URL: <http://pbin.nbi.gov/databases/snakeindex.html>

Host/Originating Country: National Biological Information Infrastructure / USA

Language: English

Description: Database of alien snake sightings on Pacific islands. Allows users to search by sighting date, country, state or territory name, island, town, percent certainty, and snake type (species). Authorized users can also submit snake sighting information.

92. [Invasive Plants Checklist \(Ethiopia\)](#)

URL: <http://members.lycos.co.uk/ethiopianplants/invasives/prosopis.html>

Host/Originating Country: Lycos, Desalegn Desissa and Pierre Binggeli / Ethiopia.

Language: English

Description: Provisional checklist of invasive plant species (names) in Ethiopia.

93. [Aquatic Invaders of Belarus Alien Species Database](#)

URL: <http://www.aliensinbelarus.com/index.php>

Host/Originating Country: Belarusian State University/ Belarus

Language: English

Description: This site is on alien aquatic animals inhabiting waterbodies of the Republic of Belarus. It allows searches for species by scientific taxonomy and retrieval of information on their origin, distribution and potential ecological impacts. The database was composed as a result of analysis of literature published during the last century and the authors' unpublished data. One can find some general information on Belarusian waterbodies, history of construction and functioning of the interbasin shipping canals, links to related sites, etc. The site is in testing regime at present and only in English. However, a Russian version will also be available soon.

94. [Invasive Exotic Species in the Iberian Peninsula](#)

URL: <http://invasiber.org/>

Host/Originating Country: University of Girona / Spain.

Language: Spanish

Description: Database of invasive species of seaweed or algae, other plants, insects, crustaceans, other invertebrates, fish, amphibian, reptile, bird, and mammals, found in the Iberian peninsula. Species profiles include information on photographs, taxonomic definition, description, habitat, native geographic distribution, distribution in the Iberian Peninsula, introduction mechanism, ecological impacts, socioeconomic impacts, management, profile author, other information sources, and bibliographic references.

95. [Alien Plants in Korea](#)

URL: <http://alienplant.nier.go.kr/eng/index.html>

Host/Originating Country: National Institute of Environmental Research (NIER) / Korea

Language: Korean / English

Description: Search for invasive species by family, common or scientific name, country of origin, blooming season, and introduction period to retrieve species profile information including family name, scientific name, synonyms, English name, Japanese name, country of origin, introduction period, life period, stem size, stem, leaf, leaf arrangement, leaves, blooming period, inflorescence (description), flower color, flower (description), fruits, seed, distribution, and digital photographs.

96. [Alien Plants in Ireland](#)

URL: <http://www.biochange.ie/alienplants/>

Host/Originating Country: BioChange, Trinity College of Dublin / Ireland

Language: English

Description: Search 715 alien plant species "currently occurring in (semi) natural habitats in Ireland (both the Republic and Northern-Ireland) by family, invasive status, Irish vice-counties, and invasiveness elsewhere for information including species identity, invasiveness, and biological and ecological traits. "In addition, limited information is available for 198 extinct alien species (not recorded after 1970)."

97. [Invasive Species Ireland](#)

URL: <http://www.invasivespeciesireland.com/>

Host/Originating Country: Environment and Heritage Service, National Parks and Wildlife Service / Ireland

Language: English

Description: A gateway to the Invasive Species in Ireland Project and also the invasive species problem in Northern Ireland and the Republic of Ireland. Contains facts and figures, and case studies of invasive species in Ireland; an online invasive species sighting report form; access to working groups and forums; and lists information for established and potential invasive species from freshwater, marine, and terrestrial environments. Species profiles include digital photographs, scientific and common names, habitat, type of threat, status, description, impact, origin, invasive distribution, method of introduction, method of dispersal, and action recommendations. "To date, risk assessments have been carried out for 385 established species and 171 potential invaders."

98. [National Invasive Species Database \(Ireland\)](#)

URL: <http://invasivespecies.biodiversityireland.ie>

Host/Originating Country: National Biodiversity Data Centre (NBDC) / Ireland

Language: English

Description: Established in 2008, the database displays thousands of spatially referenced records for risk assessed invasive and potentially invasive species via the National Biodiversity Data Centre's interactive GIS 'Biodiversity Maps'. There is also a supporting website for the National Invasive Species Database with species lists, Species Alerts and various mechanisms for submitting records etc.

99. [Invasive Plant Species in Portugal](#)

URL: <http://www1.ci.uc.pt/invasoras/index.php>

Host/Originating Country: University of Coimbra / Portugal

Language: Portuguese, English

Description: Online database about biological invasions, research, and invasive plant species in Portugal including a list of 30 invasive plant species "considered invasive by Portuguese law and 3 other also invasive". Each species name in the list is linked to a PDF leaflet that contains

- DRAFT - List of IAS Online Information Systems
Experts Meeting Towards Implementation of a Global Invasive Species Information
Network (GISIN), 6-8 April, 2004. Baltimore, Maryland, USA.

“photos, morphologic descriptions, control methodologies and some extra information about each
species.”

DRAFT

USA Context - IAS Databases

100. [Nonindigenous Species Database Network \(NISbase\)](#) (SERC)

URL: <http://invasions.si.edu/nemesis/merge/SpSearch.jsp>

Host/Originating Country: Smithsonian Environmental Research Center (SERC) / USA.

Languages: English

Description: A distributed database portal developed by SERC and the U.S. Geological Survey to provide simultaneous search access to multiple aquatic invasive species databases.

- i. Nonindigenous Aquatic Species database (NAS) - <http://nas.er.usgs.gov/>
- ii. Chesapeake Bay Exotic Marine and Estuarine Species Information System (NEMESIS) - <http://invasions.si.edu/nemesis/index.html>
- iii. Nonindigenous Species in the Gulf of Mexico Exosystem - <http://nis.gsmfc.org/>
- iv. National Introduced Marine Pest Information System (NIMPIS) - <http://crimp.marine.csiro.au/nimpis/>
- v. Introduced Marine Species of Hawaii Guidebook - <http://www2.bishopmuseum.org/HBS/invertguide/index.htm>

101. [Invasive Species of the Central Southwest/Gulf Coast Region \(NBII-CSWGCIN\)](#)

URL: [http://cswgcin.nbii.gov/\(4kfjburecvpdln45gohh32ep\)/issues/invasives/database.aspx](http://cswgcin.nbii.gov/(4kfjburecvpdln45gohh32ep)/issues/invasives/database.aspx)

Host/Originating Country: Central Southwest / Gulf Cost Information Node, National Biological Information Infrastructure / USA.

Language: English

Description: An online list of invasive species of the central southwestern United States and gulf coast region. Species are grouped into virus, monera, plantae, fungi, and animalia. Some taxa listed do not have an entry in the ITIS database. Clicking on a species' scientific name provides access to general, classification, invasive datasets and inventories, bibliographic and in some instances photographic information.

102. [Invasive Grassland/Shrubland Bird Indicators \(NBII-ISIN\)](#)

URL: http://invasivespecies.nbii.gov/speciesinfo/bird_indicators.html

Host/Originating Country: Invasive Species Information Node, National Biological Information Infrastructure / USA.

Language: English

Description: A web-accessible list of 15 invasive grassland/shrubland birds used as indicators in the Heinz Report on The State of the Nation's Ecosystems. Scientific names for each species are linked to the Integrated Taxonomic Information System so that when the species' name is selected, ITIS information about that species is displayed.

103. [Yellowstone National Park Invasive Species \(NBII-NRIN\)](#)

URL:

<http://mapserver.giac.montana.edu/maps/arcims/website/ynpweeds/viewer.htm?Title=Yellowstone%20National%20Park%20Invasive%20Species>

Host/Originating Country: Northern Rockies Information Node, National Biological Information Infrastructure / USA.

Language: English.

Description: Part of the Greater Yellowstone Area GIS Database, created by many partners including Montana State University. An online interactive map generated by selecting GIS layers and adding them to the map.

104. [Interactive Maps of Hawaii \(NBII\)](#)

URL: http://66.91.142.167/imf/imf.jsp?site=hawaiian_islands

Host/Originating Country: Pacific Basin Information Node, National Biological Information Infrastructure (NBII) / USA.

Language: English

Description: Interactive map page was designed using ESRI ArcIMS Internet Map Server software. The interactive map layers integrate a variety of GIS layers including incipient weeds, aquatic species distribution (both native and non-native), remaining native natural communities, a LANDSAT TM satellite imagery mosaic, USGS 1:24,000 quadrangles, and a parcel-level managed land layer with level of protection quantified using the National GAP Status definitions.

105. [Pacific Basin – Invasive Species \(NBII-PBIN\)](#)

URL: <http://pgin.nbio.gov/invasives.asp>

Host/Originating Country: Pacific Basin Information Node, National Biological Information Infrastructure (NBII) / USA.

Language: English

Description: Species information, data & projects, organizations/researchers, management and geographic area information about invasive species in the Pacific Basin.

106. [Exotic Species \(in SERAMBO\)](#)

URL: <http://www.main.nc.us/SERAMBO/exotic/>

Host/Originating Country: South Eastern Regional Association of Medical and Biological Organizations, Mountain Area Information Network – The Community Network for Western North Carolina / USA.

Language: English

Description: Lists of exotic plants, information and photographs for species found in the Southern Appalachian region of the United States.

107. [Guidebook of Introduced Marine Species of Hawaii \(Bishop Museum\)](#)

URL: <http://www2.bishopmuseum.org/HBS/invertguide/index.htm>

Host/Originating Country/Originating Country: Bishop Museum and University of Hawaii / USA.

Language: English

Description: Searchable database separated into algae and invertebrates of the coastal waters of Hawaii.

108. [INVADERS Database \(Northwestern U.S.\)](#)

URL: <http://invader.dbs.umt.edu/>

Host/Originating Country: University of Montana / USA.

Language: English

Description: Exotic plant names and weed distribution records for five states in the northwestern United States. Users can query the system by scientific or common name, or by geographic region. Also includes a state/provincial noxious weeds query form, as well as a database of biocontrol measures. Researchers may also submit their own data to the database.

109. [Alien Species in Hawaii \(USGS\)](#)

URL: <http://www.hear.org/>

Host/Originating Country: Hawaiian Ecosystems at Risk (HEAR), U.S. Geological Survey ;
University of Hawaii / USA.

Language: English

Description: Provides technology, methods, and information to decision-makers, resource managers, and the general public to aid in the fight against harmful alien species in Hawaii through access to the Harmful Non-Indigenous Species (HNIS) database and maps of alien species distributions in Hawaii and the HEAR Island Matrix.

i. [Noxious Weeds – Hawaii \(images and online info\)](#)

URL: <http://www.hear.org/hawaiinoxiousweeds/>

Host/Originating Country: Hawaiian Ecosystems at Risk (HEAR), U.S.
Geological Survey; University of Hawaii / USA.

Language: English

Description: List of links to live, dynamic (Google) web searchers for images and other information regarding plant species officially declared as “noxious weeds” by the State of Hawaii.

ii. [Harmful Non-Indigenous Species \(HNIS\) Database](#)

URL: <http://www.hear.org/hnis/index.html>

Host/Originating Country: Hawaiian Ecosystems at Risk (HEAR), U.S.
Geological Survey; University of Hawaii / USA.

Language: English

Description: Online source of up-to-date information (names, locations, pictures, control methods) about harmful non-indigenous (“non-native”, “exotic”) species in Hawaii. Provides a medium to allow feedback from scientists, professional resource managers, and the general public. Information is available on plants, invertebrates and vertebrates.

iii. [Maps of alien species distributions in Hawaii](#)

URL: <http://www.hear.org/AlienSpeciesInHawaii/AlienSpeciesMapIndex.htm>

Host/Originating Country: Hawaiian Ecosystems at Risk (HEAR), U.S.
Geological Survey; University of Hawaii / USA.

Language: English

Description: Provides distribution maps for plants, vertebrates and invertebrates.

iv. [HEAR Island Matrix](#)

URL: <http://www.hear.org/matrix/index.html>

Host/Originating Country: Hawaiian Ecosystems at Risk (HEAR), U.S.
Geological Survey; University of Hawaii / USA.

Language: English

Description: A cross-reference by island and species, containing expert opinions regarding the ISLANDWIDE controllability of selected alien plant species by island.

v. [Pacific Island Ecosystems at Risk](#)

URL: <http://www.hear.org/pier/>

Host/Originating Country: Hawaiian Ecosystems at Risk (HEAR), U.S.
Geological Survey; University of Hawaii / USA.

Language: English

Description: Provides lists of plant species that are invasive (or potentially invasive) on Pacific Islands by scientific name, elevation, location, life form, and

common name. Information retrieved on each species includes recognition status as a PIER environmental invasive, presence/absence on Pacific Islands, threat status in relation to elevation, risk assessment results (pest score), other latin names, common names (English, French, Hawaiian), habit, description, habitat/ecology, propagation, native range, specific recorded presence, comments (notes), control methods, additional information, and references. Other resources include survey reports on invasive species on Pacific Islands and risk assessments for invasive and potentially invasive species.

110. [Exotic Forest Pest Information System for North America](http://www.exoticforestpests.org/) (Forest Commission)

URL: <http://www.exoticforestpests.org/>

Host/Originating Country: North American Forest Commission / USA.

Language: English, French, Spanish.

Description: Identifies exotic insects, mites, and pathogenic organisms that have the potential to cause significant damage to North American forest resources as well as background information on identified pests, serving as a resource for North American regulatory and forest protection agencies.

111. [North American Non-Indigenous Arthropod Database \(NANIAD\)](http://www.invasivespecies.org/NANIAD.html) (USDA-APHIS)

URL: <http://www.invasivespecies.org/NANIAD.html>

Host/Originating Country: U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine, Center for Plant Health Science and Technology / USA.

Language: English

Description: Contains the data for 2,273 species of non-indigenous insects and arachnids including classification, natural and immigrant distribution, economic and environmental impacts, disease vectors, establishment status, entry point and date, pathways, habitat, hosts, life history, and literature citations.

112. [Federal Noxious Weeds Database](http://www.invasivespecies.org/fedweeds.html) (USDA-APHIS)

URL: <http://www.invasivespecies.org/fedweeds.html>

Host/Originating Country: U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine, Center for Plant Health Science and Technology / USA.

Language: English

Description: Derived from the "Federal Noxious Weed Inspection Guide - Noxious Weed Inspection System." Contains fields such as scientific name, family name, synonym(s), common name(s), diagnostic characteristics, habitat, distribution outside of the U.S., distribution within the United States (if applicable), reason for listing as a Federal Noxious Weed (FNW), the form in which the plant is most likely to enter the United States, likely pathways of entry into the United States, general notes, photographs line drawings, and distribution maps.

113. [APHIS Regulated Pest List](http://www.invasivespecies.org/NewInitiatives.html) (USDA-APHIS)

URL: <http://www.invasivespecies.org/NewInitiatives.html>

Host/Originating Country: U.S. Department of Agriculture, Animal and Plant Health Inspection Service (APHIS) / USA.

Language: English

Description: Contains pest type, order, family, scientific name, author, common name, source, illustration, data sheet, citation, update, comment, host, distribution, and regulated site information.

114. [PestTracker \(NAPIS USDA-APHIS\)](#)

URL: <http://ceris.purdue.edu/napis/>

Host/Originating Country: U.S. Department of Agriculture, Animal and Plant Health Inspection Service Plant Protection and Quarantine Cooperative Agricultural Pest Survey; Purdue University, Entomology Department, Center for Environmental and Regulatory Information Systems / USA.

Language: English

Description: Public access web site providing information on pest species of insects, mites, and nematodes; plant pathogens; invasive weeds; bio-control agents; and Other (Mollusks, Slugs, etc.) including fact sheets; survey and distribution maps; regulations; related links and photos. Searchable by scientific and common name, and U.S. State.

115. [Identified Plant Pests Regulated by APHIS \(IPpra\) \(USDA\)](#)

URL: <http://www.invasivespecies.org/ippira.html>

Host/Originating Country: U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine, Center for Plant Health Science and Technology / USA.

Language: English

Description: The IPPRA is an interactive database of plant pests regulated by the U.S. Department of Agriculture, Animal and Plant Health Inspection Service. The focus of this database is at the species level. Several invasive insect species are also included in the database.

116. [Federal and State Noxious Weeds in GRIN \(USDA\)](#)

URL: <http://www.ars-grin.gov/npgs/tax/taxweed.html>

Host/Originating Country: U.S. Department of Agriculture, Agricultural Research Service, National Genetic Resources Program / USA.

Language: English

Description: Provides taxonomic nomenclature for 37,000 plant taxa, and 14,000 plant genera.

117. [Team Leafy Spurge \(USDA\)](#)

URL: <http://www.team.ars.usda.gov/v2/infoproducts.html>

Host/Originating Country: U.S. Department of Agriculture / USA.

Language: English

Description: Access to publications, integrated pest management resources, databases, manuals and biological information about Leafy Spurge (*Euphorbia esula*).

118. [Global Pest and Disease Database \(GPDD\) \(USDA / PPQ\) \(restricted access\)](#)

URL: <http://www.gpdd.info/>

Host/Originating Country: U.S. Department of Agriculture Plant Protection and Quarantine / USA.

Language: English

Description: The Global Pest and Disease Database (GPDD) is a compilation of exotic invasive species of key concern to the U.S that was developed from a number of sources. Selection of species for inclusion in the database is dependent on a number of factors, including their presence in other key lists and databases. The distributed web-based database system forms the conduit for a number of pest-oriented information systems and provides both external and internal APHIS information on key pest species not yet in the United States. The GPDD serves as a secure electronic warehouse or library of scientific information about exotic pests that is used to support the Agency's pest lists.

119. [Invasive Species Information Center \(NISIC\) \(USDA\)](#)

URL: <http://www.invasivespeciesinfo.gov/>

Host/Originating Country: U.S. Department of Agriculture National Agricultural Library / USA.

Language: English

Description: “[A] gateway to invasive species information; covering Federal, State, local, and international sources.” Browse this resource for information about invasive species in the United States by geography, or by subject - including aquatic species; plants; animals; microbes; economic impacts; laws and regulations; manager’s tool kit; and resource library. Species profiles include scientific name; common names; geographic origin (native); date of U.S. introduction; images; means of introduction; impacts; current U.S. distribution; States where reported invasive; management plans; and selected Federal and State Government resources.

120. [Slow the Spread Gypsy Moth Database \(STS\) \(VA Tech\)](#)

URL: <http://www.gmsts.org/operations/>

Host/Originating Country: Virginia Tech, Department of Entomology / USA.

Language: English

Description: Provides data summaries by state, survey maps, and a decision-support system for reducing the rate of spread of gypsy moth in the U.S.

121. [Noxious & Nuisance Plant Management Information System \(PMIS\) \(USArmy Corp\)](#)

URL: <http://www.wes.army.mil/el/pmis/pmishelp.htm>

Host/Originating Country: U.S. Army Corps of Engineers, Engineer Research and Development Center, Environmental Laboratory / USA.

Language: English

Description: Access to over 100 of the worst U.S. invasive plants, including detailed and summary information on plant biology, ecology, problems, identification, and associated management technologies.

122. [Aquatic, Wetland & Invasive Plant Information Retrieval System \(APIRS\)](#)

URL: <http://plants.ifas.ufl.edu/search80/NetAns2/>

Host/Originating Country: University of Florida, Center for Aquatic and Invasive Plants, Bureau of Invasive Plant Management, Florida Department of Environmental Protection Aquatic Plant Control Research Program, U.S. Army Corps of Engineers / USA.

Language: English

Description: Includes annotated citations for more than 60,000 research articles, books and reports about plant ecology, physiology, utilization and control of freshwater aquatic, wetland, terrestrial and aquatic invasive plants. Items in many languages dating back to the 18th century are in this inclusive database.

123. [WeedUS: Database of Plants Invading Natural Areas in the U.S. \(PCA-APWG\)](#)

Main URL: <http://www.nps.gov/plants/alien/factmain.htm#pllists>

URL: <http://www.nps.gov/plants/alien/list/a.htm> (web format)

URL: <http://www.nps.gov/plants/alien/list/WeedUS.xls> (excel file)

Host/Originating Country: National Park service and Plant Conservation Alliance (Alien Plant Working Group) / USA.

Language: English

Description: The WeedUS database is a national referenced list of plants reported to be invasive in natural areas in the U.S. (including Hawaii). Illustrated fact sheets linked to species names in the list include plant descriptions, native range, nativity status for U.S., states where invasive, national parks where invasive, scientific name, and selected common names, management options, suggested alternative native plants, and selected links to relevant people and organizations.

124. Exotic Plant Information Center (EPICENTER) (Great Lakes region)

URL: <http://www.glifwc.org/epicenter/>

Host/Originating Country: Great Lakes Indiana Fish and Wildlife Commission / USA.

Language: English

Description: Established to raise awareness of several invasive non-native plants and their ecological impacts in the upper Great Lakes region; to provide effective tools for educational, management, and research needs.

125. Exotic Plant Database (Florida)

URL: http://www.fleppc.org/database/data_intro.htm

Host/Originating Country: Florida Exotic Pest Plant Council (FLEPPC), Florida Department of Environmental Protection, Bureau of Invasive Plant Management / USA.

Language: English

Description: Contains over 5,000 sight records of infestations of Exotic Pest Plant Council Category I and Category II species in Florida public lands and waters. Records are from local, state, and federal parks and preserves. Some records document infestations in regularly disturbed public lands such as highway or utility rights-of-way.

126. Floristic Inventory of South Florida (FISF base) (Florida)

URL: <http://www.regionalconservation.org/ircs/DatabaseChoice.asp>

Host/Originating Country: The Institute for Regional Conservation / USA.

Language: English

Description: Lists exotic plant taxa on conservation lands in a 19 county area defined as the South Florida Ecosystem by the U.S. Fish and Wildlife Service. * Requires registration.

127. Florida Exotic Species

URL: <http://www.wildflorida.org/critters/exotics/exotics.asp>

Host/Originating Country: Florida Fish and Wildlife Conservation Commission / USA

Language: English

Description: Basic statistics on over numbers of exotic species, established and breeding exotic species populations, populations trends, lists of exotic species along with the number of Florida counties they occur in. Exotic species lists include 196 species of birds, 30 mammal species, 47 reptile species and 4 amphibian species. Species names in the lists are hyperlinks to species fact sheets containing information on year of introduction or first record, established status, estimated Florida range, statewide trend, threats to natives, species account, habitats, a distribution map, references and links to more information.

128. CalWeed Database (California)

URL: <http://endeavor.des.ucdavis.edu/weeds/>

Host/Originating Country: California State Department of Food & Agriculture, California Interagency Noxious Weed Coordinating Committee, U.S. Bureau of Land Management; University of California-Davis / USA.

Language: English

Description: Contains weed eradication project profiles for invasive weeds, in California, including targeted invasive name(s); targeted species for (re)introduction; project location; lead and participating agencies; controls used; time frame for project; resource issues; and project contact information. Users can view the data by project, by targeted invasive, by county, or by control method.

129. Cal-IPC California Invasive Plant Council

URL: <http://groups.ucanr.org/ceppc/index.cfm>

Host/Originating Country: California Invasive Plant Council / USA.

Language: English

Description: Includes a list of invasive plants in California based on information submitted by land managers, botanists, and researchers throughout the state, and on published sources; access to Invasive Plants of California Wildlands book online;

130. [CRISIS Maps - Weed Map and Data Center](#) (NBII – CAIN)

URL: <http://cain.nbii.gov/cgi-bin/mapserv?map=../html/cain/crisis/crisismaps/crisis.map&mode=browse&layer=state&layer=county>

Host/Originating Country: California Information Node, National Biological Information Infrastructure / USA.

Language: English

Description: Maps of geo-referenced weed point observations and associated data in the North American regions of California and the Southwest.

131. [California EncycloWeedia](#)

URL: http://www.cdffa.ca.gov/phpps/ipc/encycloweedia/encycloweedia_hp.htm

Host/Originating Country: California Department of Food and Agriculture, University of California, Davis / USA

Language: English

Description: Information on identification, biology, management of plants defined as noxious weeds by California State law. Includes list of weeds sorted by common and scientific name; noxious weed photographic gallery; list of weeds with country of origin, list of weeds sorted by pest rating; federal noxious weed list and other information resources related to weed species.

132. [Southwest Exotic Plant Information Clearinghouse \(SWEPIC\)](#) (USGS)

URL: <http://sbsc.wr.usgs.gov/research/projects/swepic/swepic.asp>

Host/Originating Country: U.S. Geological Survey / USA.

Language: English

Description: Database of exotic plant distribution and status for the Colorado Plateau and the greater southwestern United States.

133. [Southwest Exotic Mapping Program \(SWEMP\)](#) (USGS)

URL: <http://sbsc.wr.usgs.gov/research/projects/swepic/swemp/swempA.asp>

Host/Originating Country: U.S. Geological Survey, Colorado Plateau Field Station (CPFS) / USA.

Language: English

Description: A regional database of non-native invasive plant distribution maps for the southwestern United States (Arizona, New Mexico and adjacent areas of adjoining states).

134. [Invasive Plant Atlas of New England \(IPANE\)](#) (New England)

URL: <http://nbii-nin.ciesin.columbia.edu/ipane/>

Host/Originating Country: University of Connecticut / USA.

Language: English

Description: Provides access to invasive plant databases for the New England region, joined or linked to geographic boundary files for New England states, counties, towns, and other geographical areas, invasive plant species profiles, an invasive plant reporting system, distribution maps, and images.

135. [Alaska Exotic Plant Mapping Project \(AKEPMP\)](#) (Alaska)

URL: <http://agdc.usgs.gov/akepic/>

Host/Originating Country: U.S. Geological Survey, Alaska Science Center (ASC) / USA.

Language: English

Description: Regional database of GIS-based exotic plant distribution maps for Alaska.

136. [Invasive Plants \(Alaska\)](#)

URL: <http://cnipm.org/plants.html>

Host/Originating Country: Alaska Committee for Noxious and Invasive Plants Management / USA.

Language: English

Description: List of 24 invasive plant species. Provides information on each species including photographs, basic taxonomy, description, and control methods.

137. [Minnesota Weed Biocontrol Project \(Minnesota\)](#)

URL: <http://www.mda.state.mn.us/weedcontrol/>

Host/Originating Country: Minnesota Department of Agriculture / USA.

Language: English

Description: A database of Minnesota state weed biocontrol project data, providing federal, state, and county agencies a means for assessing the status of natural enemy releases and the effects they are having on their target weeds.

138. [Center for Invasive Plant Management \(CIPM\)](#)

URL: <http://www.weedcenter.org/>

Host/Originating Country: Montana State University / USA.

Language: English

Description: Includes the CIPM Noxious Weeds Database

139. [Halting the Invasion: State Tools for Invasive Species Management \(USA\)](#)

URL: http://www2.eli.org/research/invasives/invasives_form.cfm

Host/Originating Country: Environmental Law Institute, USA

Language: English

Description: Searchable database, summarizing laws affecting invasive species management in each of the 50 United States.

140. [Exotic Forest Pest Information System for North America \(EFPISNA\) \(Forest Com\)](#)

URL: <http://www.exoticforestpests.org/>

Host/Originating Country: North America Forest Commission / USA, United States Department of Agriculture (USDA) Forest Service / USA.

Language: English, French, Spanish

Description: Identifies exotic insects, mites and pathogens with potential to cause significant damage to North American forests. Contains background information and fact sheets for each pest.

141. [WeedWeb \(USA\)](#)

URL: <http://extension.usu.edu/weedweb/>

Host/Originating Country: Rangeland Resources Department of Utah State University, Utah and Idaho Cooperative Weed Management Area / USA

Language: English

Description: Introduction and definition of noxious weeds, current status in North America, control methods, color photo library of weeds, identifying characteristics and ecology of 10 noxious weeds common "in the west".

142. [BLM Weeds Web site \(BLM\)](#)

URL: <http://www.blm.gov/weeds/>

Host/Originating Country: Bureau of Land Management (BLM) / USA.

Language: English

Description: Access to weed species information by U.S. State (Alaska, California, Colorado, Montana, Nevada, Oregon, Washington, Utah, Wyoming).

143. [Asian Longhorned Beetle \(USA\)](#)

URL: <http://www.uvm.edu/albeetle/>

Host/Originating Country: University of Vermont / USA.

Language: English

Description: Provides description of the ALB problem, identification, host tree information, biological, management, infestation reports, distribution maps, research resources, contact numbers, products and publications relating to the issue.

144. [InvasivePlants.net](#)

URL: <http://www.invasiveplants.net>

Host/Originating Country: Cornell University Ecology & Management of Invasive Plants Program / USA.

Language: English

Description: Provides information on Phragmites, Purple Loosestrife, Garlic Mustard, Water Chestnut, Japanese Knotweed, Giant Hogweed including monitoring protocols, biocontrol information, resources and related events.

145. [Invasive Species Forecasting System \(NASA\)](#)

URL: <http://bp.gsfc.nasa.gov/s2i.html>

Host/Originating Country: National Aeronautics and Space Administration Office of Earth Science, United States Geological Survey / USA.

Language: English

Description: A National Invasive Species Forecasting System for the early detection, remediation, management, and control of invasive species on Department of Interior and adjacent lands.

146. [N.J. \(New Jersey Agricultural\) Weed Gallery](#)

URL: <http://www.rce.rutgers.edu/weeds/>

Host/Originating Country: Rutgers Cooperative Extension / USA.

Language: English

Description: A collection of photos and descriptions of 133 agricultural weeds found in New Jersey, indexed by common name, latin name, thumbnail images and contains selected references. Includes a list of print resources for weed identification.

147. [Weed Identification Resources \(Iowa\)](#)

URL: <http://www.weeds.iastate.edu/weed-id/weedid.htm>

Host/Originating Country: Iowa State University Extension, Department of Agronomy / USA.

Language: English

Description: Weed seedling identification images for 20 weed species. Includes *Identification of the weedy pigweeds and waterhemp of Iowa* <http://www.weeds.iastate.edu/weed-id/waterhemp/default.htm> guide.

148. [Key to Common Weed Seedlings of Michigan](#)

URL: <http://www.msue.msu.edu/msue/iac/e1363/e1363.htm>

Host/Originating Country: Michigan State University / USA

Language: English

Description: Graphical identification key for grass and grasslike weeds.

149. [Noxious Weeds and Non-Native Plants \(Colorado\)](#)

URL: http://www.cwma.org/2_bad_weed.html

Host/Originating Country: Colorado Weed Management Council / USA.

Language: English

Description: Includes list of 43 'Troublesome Weeds'; 8 'Ornamental Weeds'; and 5 'Potential Invaders' plant species. Information provided for each species includes photographs and basic description, origin, invasive character and associated problems.

150. [Invasive Plants in NYS \(New York\)](#)

URL: <http://www.ipcnys.org/pages/top%2020.htm>

Host/Originating Country: Invasive Plant Council of NYS / USA.

Language: English

Description: Primary list of invasive plants in New York State. Provides information on 24 plant species including photographs, biology, habitat, origin, NY range, spread, and associated problems.

151. [Catalog of Invasive Plant Species of the United States](#)

URL: <http://sciweb.nybg.org/science2/hcol/inva/index.asp>

Host/Originating Country: The New York Botanical Garden, International Plant Science Center, Virtual Herbarium / USA.

Language: English

Description: Online catalog of invasive plant herbarium specimens providing brief information on each specimen including location where collected, collector name and collection date, description, habitat where collected, and other identification information such as specimen ID code. Search results can be downloaded in spreadsheet format (comma separated values – csv file).

152. [Noxious Weed Lists and Monitor List \(Washington State\)](#)

URL: http://www.nwcb.wa.gov/weed_list/weed_listhome.html

Host/Originating Country: Washington State Noxious Weed Control Board / USA

Language: English

Description: Access to several categorized weed species lists. Provides information on each species including photographs, basic taxonomy, description and variation, economic importance, habitat, geographical distribution, history (of introduction), growth and development, reproduction, response to herbicide, response to cultural methods, response to mechanical methods, biocontrol potentials, rationale for listing, and references.

153. [Invasive Species of Concern in Maryland](#)

URL: http://www.mdinvasivesp.org/invasive_species_md.html

Host/Originating Country: Maryland Invasive Species Council / USA.

Language: English

Description: Lists of invasive insects, other invertebrates, vertebrates, aquatic plants, terrestrial plants, viruses, fungi and other organisms. Provides information on each species including scientific and common names, photographs, basic description and links to other related State resources.

154. [Idaho's Noxious Weeds](#)

URL: <http://www.oneplan.org/Crop/noxWeeds/nxWeed00.htm>

Host/Originating Country: Idaho State partners to the 'OnePlan' Program / USA

Language: English

Description: Information on 35 weed species indexed by common name, and including background (history of introduction and establishment), images, physical descriptions, distribution in the state of Idaho and control methods. Online version of *Idaho's Noxious Weeds*, by Robert H. Callihan and Timothy W. Miller.

155. [Weed Identification Guide \(Virginia Tech.\)](#)

URL: <http://www.ppws.vt.edu/weedindex.htm>

Host/Originating Country: Virginia Tech Department of Plant Pathology, Physiology & Weed Science / USA

Language: English

Description: Includes a Grass Weed Identification Key, and alphabetical weed index. Information provided for each weed species includes photographs (mature and seedling), description (mature and seedling), and identifying characteristics.

156. [Weed Identification \(Univ. Illinois\)](#)

URL: <http://web.aces.uiuc.edu/weedid/>

Host/Originating Country: University of Illinois, USA.

Language: English

Description: Online weed identification tool allowing users to describe type (grass, grass-like, broadleaf, both), foliage, floral, growth and life cycle characteristics to identify a weed species. Displays a list of weed species that is tailored as user's selections become narrow the possibilities for identification. Information provided on each species includes photographs, scientific name, brief morphological description, growth habit, life cycle, habitat and comments.

157. [Missouri Weeds](#)

URL: <http://www.psu.missouri.edu/fishel/Default.htm>

Host/Originating Country: University of Missouri / USA

Language: English

Description: Lists of Weeds of Field Crops and Pastures; Weeds of Ornamentals and Turfgrass; and Weeds of Aquatic Sites. Information provided for each weed species includes photographs and brief descriptive text. A Summer Broadleaf Plant Key; Grasses and Grasslike Plant Key; and a Winter and Early Spring Broadleaf Plant Key, also provide access to photographs and brief descriptive text.

158. [Weeds of lawns, yards, & flowerbeds in Mississippi](#)

URL: <http://www2.msstate.edu/~jbyrd/turfweed.html>

Host/Originating Country: Mississippi State University / USA

Language: English

Description: List of weed species by common name. Information provided for each species includes photographs.

159. [Invasive Species in Wisconsin](#)

URL: <http://www.dnr.state.wi.us/org/land/er/invasive/index.htm>

Host/Originating Country: Wisconsin Department of Nature Resources / USA.

Language: English

Description: Lists of non-native plants and animals. The plant list is divided into groups of trees, shrubs, vines, forbs, grasses, and aquatics, including indications of species that are currently sold

by plant nurseries in the U.S. State of Wisconsin. Species are listed by common and scientific name. Some names are linked to species profile pages containing detailed information on description, distribution and habitat, life history and impacts, control methods, and additional external links to information on each species. The list of non-native animals includes 15 species of vertebrate, invertebrate, terrestrial and aquatic organisms. Each organism's name is linked to a page that lists internal and external links to information on the species or programs/projects relating to the species.

160. [Common Weeds of No-Till Cropping Systems](#)

URL: <http://www.btny.purdue.edu/Extension/Weeds/NoTillID/NoTillWeedID1.html>

Host/Originating Country: Purdue University / USA

Language: English

Description: Common name index of 15 weed species including basic information on common and scientific name, life cycle, control methods and photos of flowers, seedlings, and specific morphological characteristics (e.g. stems, leaves etc.).

161. [Invasive Species Monitoring Resources](#)

URL: <http://science.nature.nps.gov/im/monitor/invasives.htm>

Host/Originating Country: National Park Service / USA

Language: English

Description: Includes information on the NPS Invasive Species Management Policy, monitoring guidelines for invasive plants, animals and other taxa, lists of prioritization tools, a list of databases, statistical resources, meetings and conferences, education and outreach, agencies and organizations, related websites and reports, research, references and invasive species bibliographies.

162. [Electro. Data Info. Source on Insects, Plant Diseases, Pesticides & Weeds](#)

URL: http://edis.ifas.ufl.edu/TOPIC_Insects,_Plant_Diseases,_Pesticides,_and_Weeds

Host/Originating Country: University of Florida Cooperative Extension / USA

Language: English

Description: Directory style information on Invasive Species in general (e.g. control), invasive insects, arachnids, molluscs and gastropods, weeds and animals. Information on each invasive species includes background, description, range and habitat, food, reproduction, problems and solutions, control methods, legal aspects, suggested readings, and graphics.

163. [Stevens County Noxious Weed List](#)

URL: http://www.co.stevens.wa.us/weedboard/weed_list.htm

Host/Originating Country: Stevens County Noxious Weed Control Board / USA

Language: English

Description: Information on identification, maps, biocontrol methods for weed species in Stevens County, Washington states, USA. Specific information includes photographic images, identifying traits, biology and ecology, control (prevention, biological, cultural, mechanical, chemical), and location of observations.

164. [Pest Plants of Hawaiian Natural Ecosystems](#)

URL: http://www.botany.hawaii.edu/faculty/cw_smith/aliens.htm

Host/Originating Country: University of Hawaii, Botany Department / USA

Language: English

Description: HTML information pages for species listed by species and common names, containing photographic images, plant and invasion population descriptions.

165. [WeedAlert.com Turf Weed Control](#)

URL: <http://www.weedalert.com>

Host/Originating Country: PBI/Gordon, Inc./ USA.

Language: English

Description: Online source for turf weed control options. Weed information for North America (divided into four major regions). Includes weed images, descriptions, control recommendations, germination dates, university links, links to weed and turf related societies, environmental issues (e.g. 2,4-D task force), research, and industry trade journals.

166. [Non-Native Ants database](#)

URL: <http://home.sandiego.edu/~tmcglynn/exotic.htm>

Host/Originating Country: Terrence P. McGlynn, Department of Biology,
University of San Diego / USA

Language: English

Description: Draft database of names and geographic distribution data of the known non-native ant species of the world including historical observation and introduction records, maps, references; and a directory of researchers (expertise).

167. [Introduced Social Insects](#)

URL: http://research.amnh.org/entomology/social_insects/introduced.html

Host/Originating Country: American Museum of Natural History / USA

Language: English

Description: Searchable database on introduced social insects (ants, bees, wasps, termites) providing taxonomic information, photographic images, biology, distribution, damage, control, and references for each species where available. A component of the Social Insects World Wide Web (SIWeb).

168. [The Bugwood Network](#)

URL: <http://www.bugwood.org/>

Host/Originating Country: The Bugwood Network and ForestryImages Image Archive and Database Systems, University of Georgia - Warnell School of Forest Resources and College of Agricultural and Environmental Sciences - Dept. of Entomology / USA

Language: English

Description: Distributes digital information in the fields of entomology, forestry, forest health and natural resources. Provides access to numerous databases containing digital images, fact sheets, publications, IMP resources, research information, and links to information relating to insect, fungal, herbaceous and other forest pest species including:-

i. [Invasive and Exotic Species of North America – INVASIVE.ORG \(USDA-FS\)](#)

URL: <http://www.invasive.org/>

Description: Over 8,300 images, including over 1,000 new images of invasive species (including many weeds) and their biological control agents. Although most images are North American in nature, the system also contains images of organisms that are "Non-U.S. Natives", or are considered to be "U.S. Invasives".

ii. [Forest Pests of North America](#)

URL: <http://www.forestpests.org/>

Description: Photographs of forest pests (insects, diseases & other damage agents) as well as linked access to online information, fact sheets, publications, etc. concerning forest pest species.

iii. [Georgia Integrated Pest Management](#)

URL: <http://www.gaipm.org/>

Description: Photos and information on integrated pest management of agricultural crop pest species. Includes a list of the *Top 50 Insects Important to Agriculture in Georgia*.

169. [Native Gardening and Invasive Plants Guide](#)

URL: http://enature.com/native_invasive/invasives.asp

Host/Originating Country: National Wildlife Federation / USA

Language: English

Description: Searchable online database lists of a selection of the plants that are best avoided in the U.S. garden because they can be weedy or invasive. The lists present a selection of plants for each State, rather than a comprehensive list of all the plants that might be undesirable in the State.

170. [Team Arundo del Norte \(California\)](#)

URL: <http://www.teamarundo.org/>

Host/Originating Country: / USA.

Language: English

Description: Forum of local, state, and federal organizations dedicated to the control of *Arundo donax* (giant reed), in Central and Northern California. Includes and experts database, a projects inventory, survey and monitoring database, educational materials, reference library, and a listserv.

171. [Catalog of Invasive Plant Species of the United States](#)

URL: <http://www.nybg.org/bsci/hcol/inva/>

Host/Originating Country: New York Botanical Garden / USA.

Language: English

Description: Herbarium specimen-based database of invasive plant species in the U.S. according to Federal Noxious Weed List and/or the State List of Regulated Noxious Weeds, both published by the United States Department of Agriculture.

172. [Delaware Invasive Species Tracking System](#)

URL: <http://www.lsc.usgs.gov/gis/dists/ViewSpecies.asp>

Host/Originating Country: US Geological Survey Leetown Science Center / USA.

Language: English

Description: Online tracking system for reporting and mapping invasive species in the state of Delaware. All plant records. Basic species profiles.

173. [Texas Invasives Plant Database](#)

URL: http://www.texasinvasives.org/Invasives_Database/Invasives.html

Host/Originating Country:

Language: English

Description: Database of plants known to occur in or around Texas that are suspected of causing invasive problems. Species profiles include digital images and information on taxonomy, habitat, description, history, biology and spread, ecological threat, look-alike or similar species, alternatives, management options, distribution, data sources, and references.

USA Context – Aquatic IAS Databases

174. [Database on Introductions of Aquatic Species \(DIAS\) \(FAO\)](#)

URL: <http://www.fao.org/waicent/faoinfo/fishery/statist/fisoft/dias/index.htm>

Host/Originating Country: Food & Agriculture Organization (FAO) of the United Nations.

Language: English

Description: Database of 3,150 records for introduced freshwater fish, mollusks, crustaceans, and marine species.

175. [National Aquatic Nuisance Species Clearing House \(NANSC\) \(USA\)](#)

URL: http://www.cce.cornell.edu/programs/nansc/nan_ld.cfm

Host/Originating Country: Cornell Cooperative Extension (CCE), Cornell University, National Oceanic and Atmospheric Administration (NOAA), State University of New York / USA.

Language: English

Description: International library of research, public policy, and outreach education publications pertaining to invasive marine and fresh-water aquatic nuisance species in North America.

176. [National Exotic Marine & Estuarine Species Information System \(NEMESIS\) \(SERC\)](#)

URL: <http://invasions.si.edu/nemesis/index.html>

Host/Originating Country: Smithsonian Environmental Research Center (SERC) / USA.

Languages: English

Description: Lists exotic marine and estuarine species in coastal bays of the continental United States. Currently provides access to the Chesapeake Bay Introduced Species Database.

177. [National Ballast Water Information Clearinghouse \(NBIC\) \(SERC\)](#)

URL: <http://invasions.si.edu/NBIC/ballast.html>

Host/Originating Country: Smithsonian Environmental Research Center (SERC) / USA.

Languages: English

Description: Information on ballast water and ballast-mediated invasion including; spatial and temporal patterns of ballast water delivery and management, patterns and rates of marine and estuarine invasions, directory of ongoing and past research on ballast water and ballast-mediated invasions.

178. [National Marine and Estuarine Invasions Database \(NIS\) \(SERC\)](#)

URL: <http://invasions.si.edu/NIS.htm>

Host/Originating Country: Smithsonian Environmental Research Center (SERC) / USA.

Language: English

Description: Contains synonymy, common names, invasion history, invasion mechanism, date of introduction, source region, history of spread, population biology, life-history characteristics, abundance, community ecology, habitat utilization, environmental tolerances, ecological interactions, economic impacts and references for marine and estuarine alien species in U.S. waters, including organisms that occur in tidal waters of all salinities (i.e., freshwater to full marine salinities). Also includes the Chesapeake Bay Nonindigenous Species List (http://invasions.si.edu/NIS/NIS_CBLlist.htm).

179. [Zebra Mussel Information System \(ZMIS\) \(USArmyCorp\)](#)

URL: <http://www.wes.army.mil/el/zebra/zmis/zmishelp.htm>

Host/Originating Country: U.S. Army Engineer Research and Development Center / USA.

Language: English

Description: Information identifying both adult and immature Zebra Mussels. Includes; life history, impact, monitoring and detection, management strategies, contaminant issues as well as an extensive bibliography.

180. [100th Meridian Database](http://www.100thmeridian.org/database.asp)

URL: <http://www.100thmeridian.org/database.asp>

Host/Originating Country: University of Texas at Arlington / USA.

Language: English

Description: Part of a cooperative effort between state, provincial, and federal agencies to prevent the westward spread of zebra mussels and other aquatic nuisance species in North America. Contains zebra mussel-related information from infested states and provinces with summary data of areas surveyed, and records of boating movements across provincial borders within states.

181. [Sea Grant Nonindigenous Species \(NOAA\)](http://www.sgnis.org/)

URL: <http://www.sgnis.org/>

Host/Originating Country: National Oceanic & Atmospheric Administration (NOAA), Great Lakes Sea Grant Network / USA.

Language: English

Description: Research publications and education materials produced by Sea Grant programs and other research institutions across the country on zebra mussels and other aquatic nuisance species.

182. [Coastal Species Alien Warning System \(NOAA\)](http://www.ncddc.noaa.gov/MIS)

URL: <http://www.ncddc.noaa.gov/MIS>

Host/Originating Country: National Coastal Data Development Center, National Oceanic and Atmospheric Administration / USA.

Language: English

Description: Digital Aquatic Inventory and System for the Early Detection of Invasive Species for detection, species confirmation, warning to managers, and information on aquatic alien species. Report a species not listed in the baseline atlas, get information on U.S. and Canadian aquatic species, map species distributions, and acquire biological survey and monitoring data. Natural resource managers and scientists can get critical species information to help them assess the potential impact and develop response strategies before an exotic species expands beyond its point of introduction. Detailed species information includes identification characteristics, photographs, physiological and ecological requirements, distribution ranges, and the region to which it is endemic.

183. [Great Lakes Aquatic Nonindigenous Species Information System \(GLANSIS\) \(NOAA\)](http://www.glerl.noaa.gov/res/Programs/ncrais/glansis.html)

URL: <http://www.glerl.noaa.gov/res/Programs/ncrais/glansis.html>

Host/Originating Country: National Coastal Data Development Center, National Oceanic and Atmospheric Administration / USA.

Language: English

Description: As of 2007, over 180 nonindigenous species have been reported to have reproducing populations in the Great Lakes basin, i.e. lakes Superior, Michigan, Huron, St. Clair, Erie, Ontario, and their connecting channels and water bodies within their respective drainages (Mills et al. 1993, Ricciardi 2001, Ricciardi 2006, Ricciardi unpubl. data). The two most recent ANS reported and verified established in the Great Lakes basin were viral hemorrhagic septicemia (VHS), and *Hemimysis anomala*. The number of Great Lakes aquatic nonindigenous species documented in GLANSIS must be interpreted as a minimum. Identification depends on our ability to find, recognize, verify, and document new species, which is, in turn, dependent on our ability to adequately sample the Great Lakes ecosystem. The present database targets ANS

that are not considered to have been native to any part of the Great Lakes basin. Species that are documented as native to part of the basin, but invaded other parts of the basin due to human-expedited mechanisms or range expansions are not included in this database at the present time, except for the sea lamprey. GLANSIS functions as a Great Lakes specific node of the [USGS NAS](#) national database (also listed in this document). Information [in] GLANSIS automatically appears in NAS.

184. [Nonindigenous Aquatic Species \(NAS\) Database \(USGS\)](#)

URL: <http://nas.er.usgs.gov/>

Host/Originating Country: U.S. Geological Survey, Biological Resources Division, Florida Integrated Science Center, Center for Aquatic Resource Studies / USA.

Language: English

Description: Geo-spatially referenced biogeographic accounts of nonindigenous aquatic species in the United States, including scientific reports, online/real-time queries, spatial data sets, regional contact lists, and general information.

185. [Washington's Freshwater Aquatic Plants Database \(Washington state\)](#)

URL: <http://www.ecy.wa.gov/apps/watersheds/aquaticplants/listbywria.asp>

Host/Originating Country: Washington State Department of Ecology, Water Quality Program / USA.

Language: English

Description: Survey data from 1994 through 2001, for native and non-native aquatic plant species in Washington, U.S.A.

186. [Aquatic Nuisance Species \(Washington State\)](#)

URL: <http://www.wdfw.wa.gov/fish/ans/ans1.htm>

Host/Originating Country: Washington Department of Fish and Wildlife / USA

Language: English

Description: Information on aquatic nuisance species in Washington State, including a list of non-indigenous marine species and their natural ranges, a list of taxonomic experts, contacts for location maps, a list of species of concern and related Web links.

187. [Whirling Disease Data Base \(WHDDB\)](#)

URL: <http://www.esg.montana.edu/whddb/>

Host/Originating Country: Montana State University, Environmental Statistics Group / USA.

Language: English

Description: Search a Whirling Disease Database and a Fish Database. Map the results. Fish-pathogen combinations are displayed as points and circles on a map.

188. [Aquatic Nuisance Species Program \(South Carolina\)](#)

URL: <http://water.dnr.state.sc.us/water/envaff/aquatic/index.html>

Host/Originating Country: South Carolina Department of Natural Resources / USA.

Language: English

Description: Information about South Carolina aquatic nuisance species including SC Aquatic Plant Management Plan, Illegal Plant List, Habitat enhancement, and selected species such as Grass Carp and Zebra Mussel.

189. [MarineID](#)

URL: <http://www.marineid.org/marine/html/index.html>

Host/Originating Country: Northeast Aquatic Nuisance Species Panel / USA.

Language: English

Description: An online tool for organizing and displaying information on marine invasive species and their distributions in the Northwest Atlantic (USA). Includes an interactive mapping and display of species distributions.

190. [Exotic Species of the Monterey Bay National Marine Sanctuary](#)

URL: <http://bonita.mbnms.nos.noaa.gov/sitechar/spex.html>

Host/Originating Country: Monterey Bay National Marine Sanctuary / USA

Language: English

Description: List of terrestrial plant, algae, invertebrate, and vertebrate alien species of the Monterey Bay National Marine Sanctuary, including common and species name, origin, habitat and information source.

191. [Ruffe homepage](#)

URL: <http://www.fw.umn.edu/research/ruffe/default.html>

Host/Originating Country: Northland College, University of Minnesota Department of Fisheries, Wildlife and Conservation Biology / USA.

Language: English

Description: Provides a general overview and literature synthesis on the ruffe (*Gymnocephalus cernuus*), detailing its geographic distribution, taxonomy and nomenclature, morphology, evolution and genetics, sensory physiology, habitat, reproduction and early life history, age and growth, diet and foraging behavior, egg predation, competition, predators, parasites and pathogens, introductions in Europe and Asia, and management. Other components of this site include Ruffe scientific resources (annotated bibliography, powerpoint presentations, field reports), a searchable Ruffe scientists list, and a categorized and searchable list of online resources on Ruffe.

192. [Biological Control of Eurasian Water Milfoil](#)

URL: <http://www.fw.umn.edu/research/milfoil/milfoilbc.html>

Host/Originating Country: Northland College, University of Minnesota Department of Fisheries, Wildlife and Conservation Biology / USA.

Language: English

Description: Provides descriptive information about Eurasian watermilfoil (*Myriophyllum spicatum* L.), its invasion history and biocontrol species including the milfoil weevil (*Euhrychiopsis lecontei*) with distribution maps and photographs; a bibliography, a list of related online resources, access to a searchable literature database, current research projects (summaries of current Eurasian watermilfoil biocontrol research at the University of Minnesota), and a list of relevant online reports and literature.

193. [Aquatic Plant Fact Sheets \(Aquatic Plant Management Society\)](#)

URL: <http://www.apms.org/plants/plants.htm>

Host/Originating Country: Aquatic Plant Management Society / USA and International.

Language: English

Description: Fact sheets for eleven aquatic plant species including photographs, scientific and common names, taxonomic information, US distribution, Worldwide distribution, ecology, economic importance, ecological importance, and notes.

194. [Introduced and Cryptogenic Species of Massachusetts \(maps\)](#)

URL: <http://massbay.mit.edu/exoticspecies/exoticmaps/>

Host/Originating Country: MIT Sea Grant Center for Coastal Resources / USA

Language: English

Description: Mapped observation data (interactive maps) and species descriptions for native and non-native species identified on and around floating docks and piers throughout the New England coast.

195. [Invasive Species \(Minnesota\)](#)

URL: <http://www.dnr.state.mn.us/invasives/index.html>

Host/Originating Country: Minnesota Department of Natural Resources (DNR) / USA

Language: English

Description: Lists of invasive aquatic and terrestrial animals and plants including photographic images, species descriptions, ID cards and guides for each species in the state of Minnesota.

196. [Exotic Aquatics on the Move \(Illinois\)](#)

URL: <http://www.iisgcp.org/EXOTICSP/ans.htm>

Host/Originating Country: Illinois-Indiana Sea Grant / USA.

Language: English

Description: Collection of online information about 31 species of vertebrate, invertebrate, and floral invasive species including photographic images, description, impacts, geographical information (origin, distribution), control methods, picture/image collections, related external Web sites, other educational resources, and references.

197. [San Francisco Estuary Invasive Spartina Project](#)

URL: <http://www.spartina.org/species.htm>

Host/Originating Country: CALFED Bay-Delta Program, United States Fish and Wildlife Service Coastal Program, National Fish and Wildlife Foundation, and the California State Coastal Conservancy / USA.

Language: English

Description: Web site of a regionally coordinated project to address the rapid spread of four introduced and highly invasive *Spartina* (cordgrass) species in the San Francisco Estuary. Includes a species identification section containing photographs and field guides (PDF format), distribution maps, and project-specific documentation.

198. [Guide to the Exotic Species of San Francisco Bay](#)

URL: <http://www.exoticguide.org/>

Host/Originating Country: San Francisco Estuary Institute / USA.

Language: English:

Description: Web site guide containing photographs, descriptions and ecological information on common marine invaders (brown seaweeds, sponges, anemones, worms, snails, clams, mussels, barnacles, crabs, moss animals, and sea squirts) in the San Francisco Bay, California, USA.

199. [Invasive Algae Database](#)

URL: <http://www2.bishopmuseum.org/algae/index.asp>

Host/Originating Country: Bishop Museum / USA

Language: English

Description: Taxonomic, descriptive, and collection site/report information in invasive and native algae species found in the waters around Hawaii.

IAS Image Databases (international)

200. [Weed Photo Gallery \(UC IPM\) \(California state\)](#)

URL: http://www.ipm.ucdavis.edu/PMG/weeds_scientific.html

Cost/Originating Country: University of California (UC) statewide Integrated Pest Management (IPM) program, Agriculture and Natural Resources / USA.

Languages: English

Description: Includes photos of weed species commonly found in California farms and landscapes.

201. [UC IPM Online – Identification: Weed Photo Gallery](#)

URL: http://axp.ipm.ucdavis.edu/PMG/weeds_common.html

Host/Originating Country: University of California / USA

Language: English

Description: Photographic weed identification gallery listed by common or scientific name, and including brief physical and habit description, and labeled identification diagrams for weed group identification.

202. [Invasive Plant Images \(Montana state\)](#)

URL: <http://ag.msu.montana.edu/cipm/cipmpics.asp?type=list&flag=1>

Host/Originating Country: Center for Invasive Plant Management (CIPM), Department of Land Resources and Environmental Sciences, Montana State University / USA.

Language: English

Description: Lists of photographic and line-drawing images of native and non-native invasive plant species in Montana, U.S.A.

203. [TNC Invasive Species Photographic Library](#)

URL: <http://tncweeds.ucdavis.edu/photos.html>

Host/Originating Country: The Nature Conservancy (TNC)/Wildland Invasive Species Team / USA.

Language: English

Description: Inventory of invasive species images.

204. [Minnesota Weed Seedling Photo Collection](#)

URL: <http://www.extension.umn.edu/distribution/cropsystems/DC7376.html>

Host/Originating Country: University of Minnesota Extension Service / USA

Language: English

Description: Close-up photographs of common Minnesota weed seedlings taken at the seedling and 3 - 5 leaf stages for 19 broadleaf weed species and 10 grass weed seedlings, indexed by common name.

205. [Plant Protection Photo Gallery \(of\) Noxious Weeds](#)

URL: <http://www.ks-agr.org/plantpest/list.asp?Folder=Noxious%20Weeds>

Host/Originating Country: Kansas Department of Agriculture / USA

Language: English

Description: Photographic images of 14 weed species, listed by common name.

206. [Weed Manager Photo Library](#)

URL: <http://www.weedmanager.net/photo.html>
Host/Originating Country: WeedManager.net / Australia
Language: English
Description: Photographic library of weed species.

207. [\(Weed\) Photo Herbarium](#)

URL: <http://www.wssa.net/subpages/weed/herbarium0.html>
Host/Originating Country: Weed Science Society of America / USA
Language: English
Description: Contains pictures of many plants that are common to North America. Some of the plant species listed are not generally considered weeds but may have toxic or poisonous properties, or are otherwise of general interest as wildflowers or herbs.

208. [Weed Herbarium](#)

URL: http://www.umassgreeninfo.org/fact_sheets/weed_herbarium/common_name_list.htm
Host/Originating Country: University of Massachusetts Amherst / USA
Language: English
Description: Photographic images of 129 plant/weed species listed (sortable by) scientific, common and family name.

209. [Grass, Sedge and Broadleaf Weed Photo Gallery](#)

URL: http://cropsolutions.fmc.com/Crop_Solutions/Insects_Weeds/
Host/Originating Country: FMC Corporation / USA
Language: English
Description: Photographic/common name index of 11 grass weed species, 16 broadleaf weed species, and 1 sedge weed species. Includes photos and information on common and scientific name, affected crops, identification, geographic distribution and products labeled for use as weed control agents.

IAS Bibliographic Databases (international)

210. [Institute for Biological Invasions Bibliographic Databases \(IBI\)](#)

URL: http://invasions.bio.utk.edu/biblio_data/index.html
Host/Originating Country/Originating Country: Institute for Biological Invasions (IBI), University of Tennessee, Kentucky / USA.
Language: English
Description: Biological invasions library containing books, journal articles, government reports, conference proceedings, magazine and newspaper articles, and other 'gray' literature.

211. [Invasive Mammals Bibliography \(New Zealand\)](#)

URL: <http://www.invasive-animals.org.nz/index.html>
Host/Originating Country: Massey University and University of Waikato / New Zealand.
Language: English
Description: Provides scientific information including bibliographic databases of published research, including some abstracts, on five species of invasive mammals in New Zealand.

212. [Catalog & Article Citation database \(AGRICOLA\)](#)

URL: <http://agricola.nal.usda.gov/>
Host/Originating Country: National Agricultural Library, U.S. Department of Agriculture / USA.
Language: English

Description: Searchable database of books, serials, audiovisuals, journal articles, book chapters, short reports and reprints.

213. [Web based Information System for Agricultural Research for Development \(WISARD\)](#)

URL: <http://www.wisard.org/wisard/home.asp>

Host/Originating Country: WIS International / The Netherlands

Language: English

Description: A public domain information platform providing searchable information on experts, organizations, outputs and projects in the fields of Agricultural Research for Development (ARD), Natural Resource Management (NRM) and sustainable development (SD) from the mid-nineties to present.

214. [Minnesota Bibliographic Databases](#)

URL: <http://www.fw.umn.edu:591/>

Host/Originating Country: University of Minnesota Department of Fisheries, wildlife and conservation Biological Filemaker Pro Instant Web Portal / USA.

Language: English

Description: Provides access to six bibliographic databases including Weevilbib (92 citations on weevil species relating to weed biocontrol); ShallowlakeBibl (1675 citations relating to aquatic invasive species); SEBiblio00 (2422 citations relating to watershed management and health), MNDNRreps (671 citations for Minnesota State Department of Natural Resources reports), Exoticsbibl (1985 citations on exotic species), and Aquaticplantbib (1125 citations on aquatic plants).

IAS Expertise Databases (international)

215. [Eurasian Watermilfoil Resource List](#)

URL: <http://aquat1.ifas.ufl.edu/milfoil.html>

Host/Originating Country: Compiled by John Madsen, Center for Aquatic and Invasive Plants, Institute of Food and Agriculture Sciences, University of Florida / USA.

Language: English

Description: List of taxonomists, ecologists, management experts, and resource managers or lake association activists with experience with the invasive Eurasian watermilfoil (*Myriophyllum spicatum*).

216. [Ecological Information Network \(EIN\) Expertise Database \(NBII\)](#)

URL: <http://ein.nbii.gov/advsrch.html>

Host/Originating Country: U.S. Geological Survey, National Biological Information Infrastructure / USA.

Language: English

Description: Search for ecological expertise on exotic/introduced species.

217. [Integrated Pest Management \(IPM\) Expertise Database](#)

URL: <http://pestdata.ncsu.edu/ipmexperts/>

Host/Originating Country: Center for Integrated Pest Management, U.S. Department of Agriculture / USA

Language: English

Description: Search for expertise in IPM.

218. [IGLAR Expert Directory](#)

URL: <http://www.iaglr.org/experts/directory.php>

Host/Originating Country: International Association for Great Lakes Research (IGLAR) / USA

Language: English

Description: Search for experts on aquatic nuisance/exotic species

219. [Taxonomic Resources and Expertise Directory \(TRED\)](#) (NBII)

URL: <http://www.nbio.gov/datainfo/syscollect/tred/>

Host/Originating Country: U.S. Geological Survey (USGS), National Biological Information Infrastructure (NBII) / USA.

Language: English

Description: Search for experts by name, general or specific taxonomic expertise, geographic expertise or habitat expertise.

220. [World Taxonomist Database \(WTD\)](#)

URL: <http://www.eti.uva.nl/Database/WTD.html>

Host/Originating Country: Expert Center for Taxonomic Identification (ETI) / The Netherlands

Language: English

Description: This database allows users to search the World Taxonomist Database for a name (person or institute) and/or taxonomic specialization.

221. [Expert Center for Taxonomic Identification \(ETI\)](#)

URL: <http://www.eti.uva.nl/>

Host/Originating Country:

Language: English

Description: ETI is a non-governmental organisation (NGO) in operational relations with UNESCO. Our mission is to develop and produce scientific and educational computer-aided information systems, to improve the general access to and promote the broad use of taxonomic and biodiversity knowledge worldwide.

222. [Fauna Europea \(FAEU\) Expert Database](#)

URL: http://www.faunaeur.org/partners/EXPERT_DATABASE/experts.htm

Host/Originating Country: Fauna Europaea Secretariat, Zoological Museum Amsterdam / The Netherlands.

Language: English

Description: Provides names and contact information of experts according to phylum.

IAS Research, IPM, Databases (international)

(Weed Management, Integrated Pest Management etc.)

223. [Aquatic Invasions Research Directory \(AIRD\)](#) (SERC)

URL: <http://invasions.si.edu/aird.htm>

Host/Originating Country: Smithsonian Environmental Research Center (SERC) / USA.

Language: English

Description: Search for information on people, research, technology, policy, and management issues relevant to aquatic invasions, including the ecology of aquatic invasions (vectors, impacts, risk assessment and response), and the ecology of ballast water.

224. [Ballast Water Treatment R&D Directory \(GLOBALLAST\)](#)

URL: <http://globallast.imo.org/index.asp?page=bwprojects.htm>
Host/Originating Country: Programme Coordination Unit, Global Ballast Water Management Programme, International Maritime Organization (IMO) / London.
Language: English
Description: Lists research and development projects focusing on the physical, mechanical or chemical treatment of ballast water to prevent/reduce the transfer of aquatic organisms.

225. [Weed Research & Information Center \(WeedRIC\)](#)

URL: <http://wric.ucdavis.edu/>
Host/Originating Country: University of California (UC) / USA.
Language: English
Description: Search for; weed photographs/images, University of California Pest Notes, weed control and herbicide information sources, poisonous plants sources and weed-related publications.

226. [Database of IPM Resources \(DIR\)](#)

URL: <http://www.ippc.orst.edu/cicp/>
Host/Originating Country: Oregon State University, Integrated Plant Protection Center / USA.
Language: English
Description: Search for worldwide integrated pest management information on crops, pests, control tactics, regions, organizations and related topics.

227. [UC IPM Online – Weed Identification Guide](#)

URL: <http://axp.ipm.ucdavis.edu/index.html>
Host/Originating Country: University of California / USA
Language: English
Description: California State Weed Identification guide listing 22 species by common name and including information about identification, life cycle and biology, damage, management, and related publications for each species.

228. [California Weed Mapping Handbook \(CAIN/NBII\)](#)

URL: <http://cain.nbii.gov/weedhandbook>
Host/Originating Country: California Information Node, National Biological Information Infrastructure / USA
Language: English
Description: Online book currently in downloadable PDF format only but planned for internet publishing. A training resource for local groups involved in wildland weed mapping providing shared data standards and instructions on mapping techniques.

229. [Agriculture Network Information Center \(AgNIC\)](#)

URL: <http://www.agnic.org/>
Host/Originating Country: A voluntary alliance of the National Agricultural Library (NAL), land-grant universities and other agricultural organizations, in cooperation with citizen groups and government agencies. USA.
Language: English
Description: Search for; publications, references, and online databases related to exotic/invasive species and agriculture.

230. [Organic Garden Weed Management - Weed Database](#)

URL: <http://www.css.cornell.edu/WeedEco/WeedDatabase/index2.html>

Host/Originating Country: Center for Invasive Plant Management in the Western United States, Department of Crop and Soil Sciences, Cornell University / USA.

Language: English

Description: Lists ecological data and general weed management strategies for the most common and difficult to control weed species in the state of New York. Includes weed descriptions, color photographs of weed life history stages, tips on distinguishing the species from similar looking species, summaries of major control strategies, and statements about various aspects of the species' ecology.

231. [TNC Invasive Species Management Library](http://tncweeds.ucdavis.edu/esadocs.html)

URL: <http://tncweeds.ucdavis.edu/esadocs.html>

Host/Originating Country: The Nature Conservancy (TNC), Wildland Invasive Species Team / USA.

Language: English

Description: Links to all TNC resources specific to individual invasive species including invasive plant ESAs (Element Stewardship Abstracts) written for The Nature Conservancy that summarize relevant aspects of an organism, including its ecology and control. Also includes species management abstracts and cultivar notes on invasive species.

232. [Fire Effects Information System \(FEIS\) \(USDA-Forest Service\)](http://www.fs.fed.us/database/feis/index.html)

URL: <http://www.fs.fed.us/database/feis/index.html>

Host/Originating Country: U.S. Department of Agriculture, Forest Service Rocky Mountain Research Station, Fire Sciences Laboratory - Missoula, Montana / USA.

Language: English

Description: Literature reviews of botanical characteristics, life cycle, habitat, succession, distribution, impacts, fire ecology, and fire effects for 1000 plant and animal species, including 67 non-native invasive species.

233. [Biota of North America Program \(BONAP\)](http://www.bonap.org/)

URL: <http://www.bonap.org/> & <http://www.invasivespecies.org/Bonap/>

Host/Originating Country: North Carolina Botanical Garden; University of North Carolina at Chapel Hill, USDA, APHIS / USA.

Language: English

Description: Search for information on all vascular plants and vertebrate species (native, naturalized, and adventive) of the United States and Canada.

234. [Pearl Harbor Legacy Project Species List](http://www.bishopmuseum.org/research/natsci/invert/phlegacy.html)

URL: <http://www.bishopmuseum.org/research/natsci/invert/phlegacy.html>

Host/Originating Country: Bishop Museum, The State Museum of Natural and Cultural History, Honolulu Hawaii / USA.

Language: English

Description: Lists taxonomic names and identifying authorities, collection dates, locations and references for 1141 taxa of marine algae, invertebrates and fishes that have been collected or observed in Pearl Harbor, Oahu, Hawaii since the first biological observations were made in the harbor in 1866. Species considered to be introduced or cryptogenic (not verifiably native or introduced) are so designated.

235. [Release of Beneficial Organisms in the United States & Territories \(ROBO\) \(USDA-ARS\)](http://www.ars-grin.gov/nigrp/robo.html)

URL: <http://www.ars-grin.gov/nigrp/robo.html>

Host/Originating Country: U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Biological Control Documentation Center (BCDC) / USA.

Language: English

Description: Contains collection, introduction, release, culture, establishment, recolonization, and impact of non-indigenous organisms and pollinators on pests in the United States. Includes information on arthropods (insects, mites and ticks), nematode and other invertebrate pests, weedy plants, and microbial (bacteria, viruses, fungi, protozoa) pests.

236. [Integrated Pest Management in the Northeast \(USA\)](#)

URL: <http://northeastipm.org/>

Host/Originating Country: Cooperative Extension and Land Grant University IPM programs of the Northeast, United States Department of Agriculture / USA.

Language: English

Description: Integrated Pest Management resources, information, methodology and research by U.S. State.

237. [Bio-Integral Resource Center \(BIRC\)](#)

URL: <http://www.birc.org/>

Host/Originating Country: Bio-Integral Resource Center (BIRC), California / USA.

Language: English

Description: Information in integrated pest management, including publications, an Organic Database, and a Pest Control Advisor Database.

238. [WeedScience – International Surveys of Herbicide Resistant Weeds](#)

URL: <http://www.weedscience.org/in.asp>

Host/Originating Country: Herbicide Resistance Action Committee (HRAC), North American Herbicide Resistance Action Committee (NAHRAC), Weed Science Society of America (WSSA) / USA.

Language: English

Description: Monitors the evolution of herbicide-resistant weeds and assesses their impact throughout the world. Supported by global collaboration between weed scientists. Provides access to searchable lists of researchers, herbicides, weed photographs, and herbicide resistant weeds.

239. [Weed Control Manual for the Bay of Plenty \(New Zealand\)](#)

URL: <http://www.envbop.govt.nz/Weeds/Weeds.asp>

Host/Originating Country: Environment Bay of Plenty Regional Council / New Zealand.

Language: English

Description: Terrestrial and aquatic weed plants in New Zealand.

240. [Ranking Exotic Plants \(Handbook\) \(USA-NPS\)](#)

URL: <http://www.nature.nps.gov/publications/ranking/ranking.html>

Host/Originating Country: United States National Park Service (NPS) / USA

Language: English

Description: Handbook for ranking exotic plants for management and control by Ronald D. Hiebert, National Park Service, Nebraska, USA.

241. [Guide to Monitoring Exotic and Invasive Plants \(Canada\)](#)

URL: <http://www.eman-rese.ca/eman/ecotools/protocols/terrestrial/exotics/intro.html>

Host/Originating Country: Environment Canada / Canada.

Language: English

Description: Online guide to monitoring exotic and invasive plants by Erich Haber, National Botanic Services, Ontario, Canada. Includes examples of monitoring projects.

242. [Gateway to Online IPM Resources](#)

URL: <http://www.ippc.orst.edu/cicp/gateway/Index.htm>

Host/Originating Country: Integrated Plant Protection Center, Oregon State University / USA.

Language: English

Description: Linked list of Internet resources on weeds and their control.

243. [Biological Control: A Guide to Natural Enemies in North America \(Cornell\)](#)

URL: <http://www.nysaes.cornell.edu/ent/biocontrol/>

Host/Originating Country: Cornell University / USA.

Language: English, Spanish

Description: Photographs and descriptions of biological control (or biocontrol) agents of insect, disease and weed pests in North America (currently includes individual pages of approximately 100 natural enemies of pest species); A tutorial on the concept and practice of biological control and integrated pest management (IPM).

244. [Montana Integrated Pest Management Center](#)

URL: <http://scarab.msu.montana.edu/ipm/>

Host/Originating Country: Montana State University Extension Service / USA

Language: English

Description: Provides integrated pest management information, guides, listings of diagnostics, personnel, reports, species information, and pesticide information.

**General Fauna Databases Containing IAS Information (international)
(Aquatic & Terrestrial)**

245. [Mammal Species of the World](#)

URL: <http://nmnhgoph.si.edu/msw/>

Host/Originating Country: Smithsonian National Museum of Natural History, Department of Systematic Biology Vertebrate Zoology / USA.

Language: English

Description: Contains the names of the 4,629 currently recognized species of mammals, including invasive species, in a taxonomic hierarchy that includes Order, Family, Subfamily, and Genus.

246. [FishBase: A Global Information System on Fishes](#)

URL: <http://www.fishbase.org/home.htm> & <http://filaman.uni-kiel.de/home.htm>

Host/Originating Country: The FishBase Project, The WorldFish Center / Philippines.

Languages: English, Spanish, Portuguese, French, German, Italian, Dutch, Swedish, Chinese.

Description: Search for taxonomic and descriptive information, for fish species of the world, including introduced species.

247. [Elasmo World \(Sharks and Rays – elasmobranches\)](#)

URL: <http://209.35.44.130/elasmo/default.asp>

Host/Originating Country: Elasmoworld.org / location unspecified.

Languages: English

Description: Contains over 4000 entries and over 10,000 keywords relating to elasmobranches, including invasive elasmobranches.

248. [ReefBase](http://www.reefbase.org/)

URL: <http://www.reefbase.org/>

Host/Originating Country: ReefBase is a project by The WorldFish Center / Philippines, and the International Coral Reef Action Network (ICRAN) / UK, financial support by United Nations Foundation (UNF) / USA.

Languages: English

Description: Search for coral information including information about threats to coral reefs such as IAS.

249. [Avibase – the world bird database](http://www.bsc-eoc.org/avibase/avibase.jsp?pg=home&lang=EN)

URL: <http://www.bsc-eoc.org/avibase/avibase.jsp?pg=home&lang=EN>

Host/Originating Country: BirdLife International / UK

Language: English, Spanish, French, German, Italian, Dutch, Portuguese, Swedish

Description: Checklists of avian species by country – indicating total numbers of introduced species by country and status of each species (e.g. introduced, threatened etc.).

250. [Applesnail.net](http://www.applesnail.net)

URL: <http://www.applesnail.net/>

Host/Originating Country: Stijn Ghesquiere (PhD Student) University of Maastricht / The Netherlands

Language: Chinese, Czech, German, Spanish, French, Italian, Korean, Hungarian, Dutch, Norwegian, Polish, Portuguese, Russian, Romanian, Swedish, English.

Description: Comprehensive Web site providing detailed information about species in the apple snail family – Ampullariidae including care (as pets), ecology, species, anatomy, embryology, genetics, pest alerts, photographs, links, literature, graphics, and related cultural/socio-economic and agricultural issues.

**General Flora Databases Containing IAS Information (international)
(Aquatic & Terrestrial)**

251. [Flora of North America \(FNA\)](http://www.fna.org/FNA/)

URL: <http://www.fna.org/FNA/>

Host/Originating Country: Flora of North America Association / USA.

Language: English

Description: Search for information on the names, taxonomic relationships, continent-wide distributions, and morphological characteristics of all plants native and naturalized in North America north of Mexico.

252. [FloraBase² the Western Australian Flora](http://www.calm.wa.gov.au/florabase/index.html)

URL: <http://www.calm.wa.gov.au/florabase/index.html>

Host/Originating Country: Department of Conservation and Land Management, Government of Western Australia / Australia.

Languages: English

Description: Search for descriptive data for the families, genera and species of all vascular plants in the state of Western Australia, including names, images and distribution maps for weed species. * Requires registration.

253. [Crop Profiles Database \(USDA\)](#)

URL: <http://pestdata.ncsu.edu/cropprofiles/pmccropprofiles.cfm?usdaregion=National%20Site>

Host/Originating Country: U.S. Department of Agriculture / USA.

Language: English

Description: Profiles various crop species grown in the U.S., and includes data about the arthropod and plant pests that affect them, including invasive species. Search by crop type, region, and/or key terms. Each crop profile includes listings of pest species and their potential damage, monitoring techniques, pest life history, and possible controls.

254. [PLANTS Database \(USDA\)](#)

URL: <http://plants.usda.gov/>

Host/Originating Country: U.S. Department of Agriculture, Natural Resources Conservation Service / USA.

Language: English

Description: Provides names, checklists, automated tools, identification information, species abstracts, distributional data, crop information, plant symbols, plant growth data, plant materials information, plant links, references, and other plant information, a Federal Noxious Weeds List, a list of State Noxious Weed Reports, an Invasive Plants of the U.S. list; and an Introduced Plants of the U.S. list.

255. [Aquatic Plant Information System Online \(APIS\) \(USArmyCorp\)](#)

URL: <http://www.wes.army.mil/el/aqua/apis/apishelp.htm>

Host/Originating Country: U.S. Army Corp of Engineers, Engineer Research and Development Center, Environmental Laboratory / USA.

Language: English

Description: Provides information on five aquatic invasive plants (alligator weed, Eurasian water milfoil, hydrilla, water hyacinth, and water lettuce).

256. [International Legume Database and Information Service \(ILDIS\)](#)

URL: <http://www.ildis.org/LegumeWeb/>

Host/Originating Country: School of Biological Sciences, University of Southampton / UK

Language: English

Description: Catalogue of world legume species. Search for invasive legume species by scientific name. Results indicate existence of weedy populations, invasion impacts, invasive potential and status.

257. [Flora Europaea](#)

URL: <http://rbg-web2.rbge.org.uk/FE/fe.html>

Host/Originating Country: Royal Botanical Garden of Edinburgh / UK.

Language: English

Description: Searchable floral taxonomic database. Non-native species distributions are indicated by symbology including square brackets.

258. [eFloras.org](#)

URL: <http://www.efloras.org/>

Host/Originating Country: Harvard University / USA.

Language: English (primary) but national resources in associated languages

Description: Web access to national floral lists and online taxonomic keys (by botanical family) for Flora of China, Flora of Missouri, Flora of North America, Flora of Pakistan, Moss Flora of China, Trees and Shrubs of the Andes and Ecuador. This site accesses or is sourced from: Harvard [ActKey, Botanical Publications, Botanical Specimens, Botanists, Flora of China, Flora of

North America, Harvard University Herbaria, Hu Cards]; the California Academy of Sciences - Dept. of Botany; the International Plant Names Index (IPNI); Missouri Botanical Garden; Museum National d'Histoire Naturelle – Paris; New York Botanical Garden, Royal Botanic Garden Edinburgh, Royal Botanic Gardens Kew ePIC, Smithsonian Institution – Dept. of Botany, Tropicos, and the Vascular Plant Type Catalog (NYBG).

259. W3TROPICOS

URL: <http://www.mobot.org/MOBOT/Research/alldb.shtml>

Host/Originating Country: Missouri Botanical Garden / USA

Language: English, national resources in associated languages

Description: Access to international floral checklists and databases including VAST Nomenclature [VAScular Tropicos], VAST Bibliography, VAST Image Index, Exsiccatae Data Base [Specimen Data], Index to Plant Chromosome Numbers (IPCN), W3Most Nomenclature [MOSs Tropicos], W3Most Bibliography, Applied Research DNA Specimen Database, Bryological Glossary, Catalogue of New World Grasses [CNWG], Flora Mesoamerica Checklist [in Spanish], Flora of Panama Checklist, Peru Checklist, Catalogue of the Vascular Plants of Ecuador [W3CEC] Jatun Sacha Biological Station (Ecuador), Flora of Bilsa Biological Station (Ecuador), Flora of Yasuni National Park (Ecuador), Flora of the Cordillera del Cóndor Project (Ecuador), Checklist and Descriptions for the Flora de Nicaragua [Descriptions in Spanish], Flora of Madidi National Park (Bolivia), Flora of China Checklist, Bryophyte Flora of North America (<http://ridgwaydb.mobot.org/bfna/bfnamenu.htm>),

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