

## **Metadata - Invasive Alien Species Indicator (IASI) Database**

### **Last update**

IASI Database\_2010\_V3, last updated on 12 April 2010

### **Disclaimer**

See [www.sun.ac.za/iasi/documents/terms\\_and\\_conditions.pdf](http://www.sun.ac.za/iasi/documents/terms_and_conditions.pdf)

### **Brief description of database**

This database was compiled in the process of populating the global indicator of biological invasion used to report on the progress of signatory parties in meeting the Convention on Biological Diversity's (CBD) 2010 Biodiversity Target ([www.sun.ac.za/iasi](http://www.sun.ac.za/iasi)).

The database contains a list of documented invasive alien species (IAS) present in a stratified random sample of countries party to the CBD (i.e. 57 countries, ~30% of participating countries) and aims to gauge the extent of the threat (pressure) that IAS pose to biodiversity. For the purpose of indicator development, an invasive alien species in this database is defined as '*a species outside of its [indigenous geographic] range whose introduction and/or spread threatens biodiversity*'.

Further details on the purpose of and methods used in compiling this database can be found in: McGeoch, M.A., Butchart, S.H., Spear, D., Marais, E., Kleynhans, E.J., Symes, A., Hoffmann, M. & Chanson, J. (2010). *Global indicators of biological invasion: species numbers, biodiversity impact and policy responses. Diversity and Distributions* 16, 95-108.

Full text article: <http://www3.interscience.wiley.com/cgi-bin/fulltext/123243506/PDFSTART>

Abstract: <http://www3.interscience.wiley.com/journal/123243506/abstract>

Supplementary information: <http://www3.interscience.wiley.com/journal/123243506/supinfo>

### **Information contained in database tables:**

**Table 1: Species per country (visible on website)**

<b>Column Heading</b>	<b>Description</b>
Country	Country name
Species	Species scientific name
Species Name Authority	Species name authority
Synonyms	Synonyms for species scientific name
Vernacular	Common name/s of species (English)
Family	Family
Order	Order
Class	Class
Phylum	Phylum
Kingdom	Kingdom

**Table 2: Detailed species information (not visible on website)**

<b>Indigenous range</b>	Indigenous range of species.
<b>Reference</b>	Reference for indigenous range.
<b>Global Inclusion</b>	Criteria used for including the species into the database at the global level.
	1. <i>Impact</i> : species included based on demonstrated negative biodiversity impact anywhere in its introduced range.
	2. <i>Spread</i> : species included based on evidence of rapid range expansion, population growth or large extent of occurrence anywhere in its introduced range.
	For more details see Appendix S3 McGeoch <i>et al.</i> (2010) ( <a href="http://www3.interscience.wiley.com/journal/123243506/supinfo">http://www3.interscience.wiley.com/journal/123243506/supinfo</a> )
<b>Global Impact References</b>	References for impact of species at global level.
<b>Global Spread References</b>	References for spread of species at global level.
<b>National Inclusion</b>	Criteria used for including the species into the database at the national level.
	1. <i>Impact</i> : species included based on demonstrated negative biodiversity impact in that country.
	2. <i>Spread</i> : species included based on evidence of rapid range expansion, population growth or large extent of occurrence in that country.
	3. <i>Invasive elsewhere</i> : species included based on evidence of impact or spread elsewhere in its introduced range.
	For more details see Appendix S3 McGeoch <i>et al.</i> 2010* ( <a href="http://www3.interscience.wiley.com/journal/123243506/supinfo">http://www3.interscience.wiley.com/journal/123243506/supinfo</a> )
<b>National Impact References</b>	References for impact of species at national level.
<b>National Spread References</b>	References for spread of species at national level.

**Table 3: Data sources that listed this species in a particular country**

<b>Global Invasive Species Database (GISD)</b>	< <a href="http://www.issg.org/database">http://www.issg.org/database</a> >
<b>CAB International Crop Protection Compendium</b>	< <a href="http://www.cabi.org/compendia/cpc">http://www.cabi.org/compendia/cpc</a> >
<b>CAB International Invasive Species Compendium</b>	< <a href="http://www.cabi.org/isc">http://www.cabi.org/isc</a> >
<b>IUCN Red List of Threatened Species</b>	< <a href="http://www.iucnredlist.org">http://www.iucnredlist.org</a> >
<b>North European and Baltic Network of Invasive Alien Species (NOBANIS)</b>	< <a href="http://www.nobanis.org">http://www.nobanis.org</a> >
<b>FishBase – A global information system on fish</b>	< <a href="http://www.fishbase.org">http://www.fishbase.org</a> >
<b>Delivering Alien Invasive Species Inventories for Europe (DAISIE)</b>	< <a href="http://www.europe-aliens.org">http://www.europe-aliens.org</a> >
<b>Database of Global Marine Invasive Species Threats</b>	< <a href="http://conserveonline.org/workspaces/global.invasive.assessment">http://conserveonline.org/workspaces/global.invasive.assessment</a> >
<b>Baltic Sea Alien Species Database</b>	< <a href="http://www.corpi.ku.lt/nemo/">http://www.corpi.ku.lt/nemo/</a> >
<b>Other database</b>	Other database the species is listed in.
<b>Reference book</b>	Reference book the species is listed in.
<b>Other reference</b>	Other reference the species is listed in.

**Note:**

1. A search for *impact* or *spread* information for plants at the national level was not conducted (hence the blank field in the column Table 2: Detailed species information - National Inclusion). Such a search was conducted for the other groups, i.e. birds, mammals, freshwater fish and marine organisms. Therefore, for plants all species included in the IASI database are included based on the *invasive elsewhere* criterion 3.
2. If both *impact* and *spread* information was found for a specific species then the species was included in the database under *impact*. However, references for both criteria *impact* and *spread* are provided in the reference fields.