





# **IUCN ISSG update**

Piero Genovesi – Shyama Pagad IUCN/SSC Invasive Species Specialist Group

# Catalyse support within IUCN members and secretariat

#### **Resolution 21 adopted at WCC in 2012**

- Strengthen collaboration with CBD
- Improve interoperability between GISD and RL, as well as with RL of Ecosystems and WDPA, for supporting the identification of priority invasive alien species, and enhancing early warning systems and rapid responses to new invasions
- Calls on funding agencies to support the Joint Work
   Programme to strengthen information services on invasive alien species, presented at SBSTTA 15



#### **GISD** database

- Redesigned GISD, using PostgreSQL platform
- Db passed from narrative species accounts, to coded info, to enable searching capabilities
- Full use of the information stored in GISD, that include taxonomy, environments, impact, pathways, management...
- Taxonomy: key unique id = RL code. Additional standards reported in table (GISD, ITIS, WORMS, etc.). Link to GIASIPartnership work (GRIS)
- Focus on impact on RL species





#### **GLOBAL INVASIVE SPECIES DATABASE**

HOME

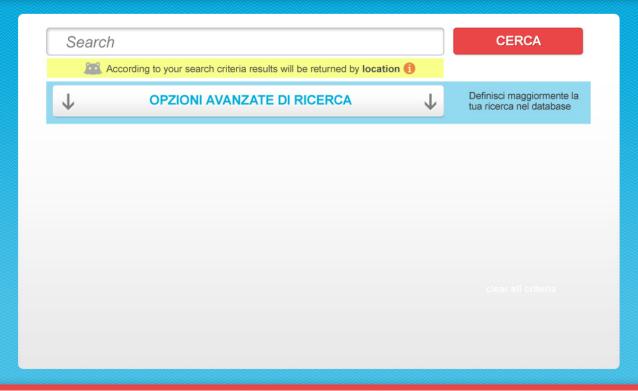
ABOUT THE GISD

HOW TO USE

CONTACTS













The Global Invasive Species Database is managed by the Invasive Species Specialist Group(ISSG) of the IUCN Species Survival Commission. It was developed as part of the global initiative on invasive species led by the Global Invasive Species Programme (GISP) and is supported through partnerships with the National Biological Information Infrastructure, Manaaki Whenua-Landcare Research and the University of Auckland.



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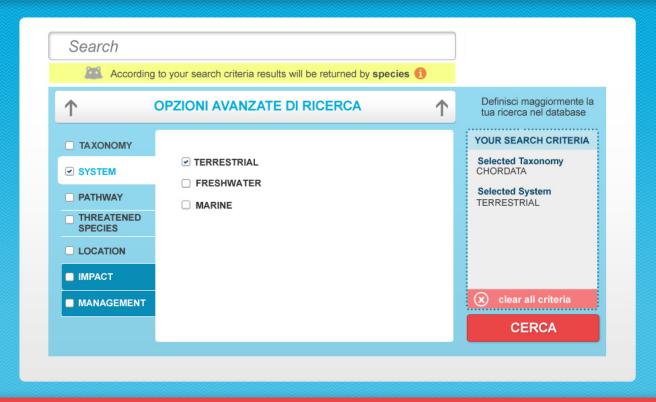
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Conditions of use.



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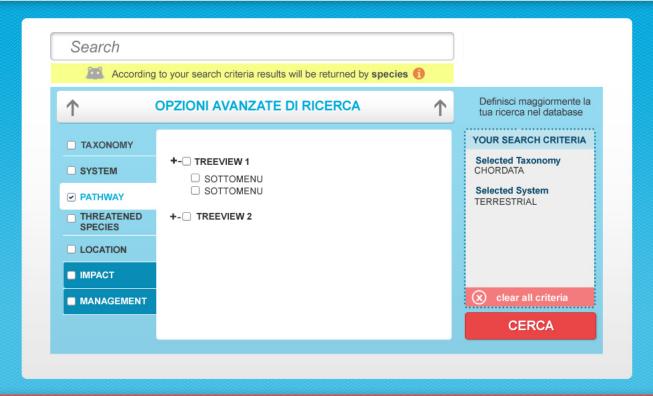
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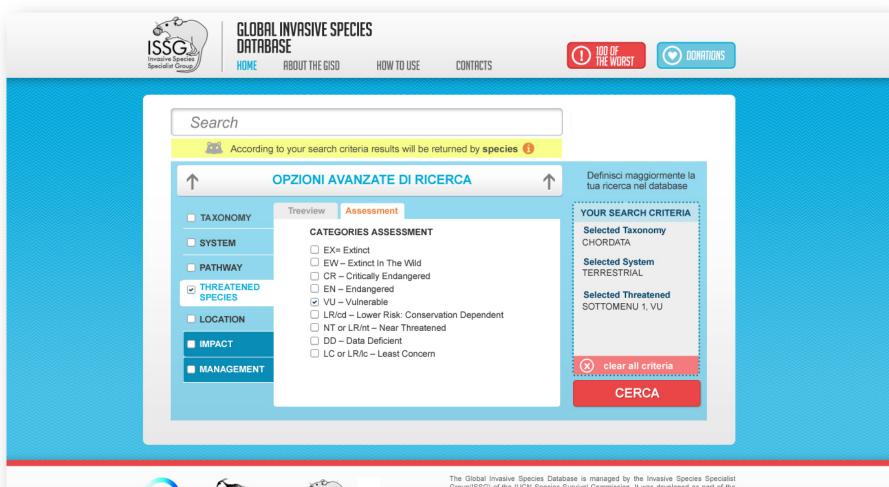






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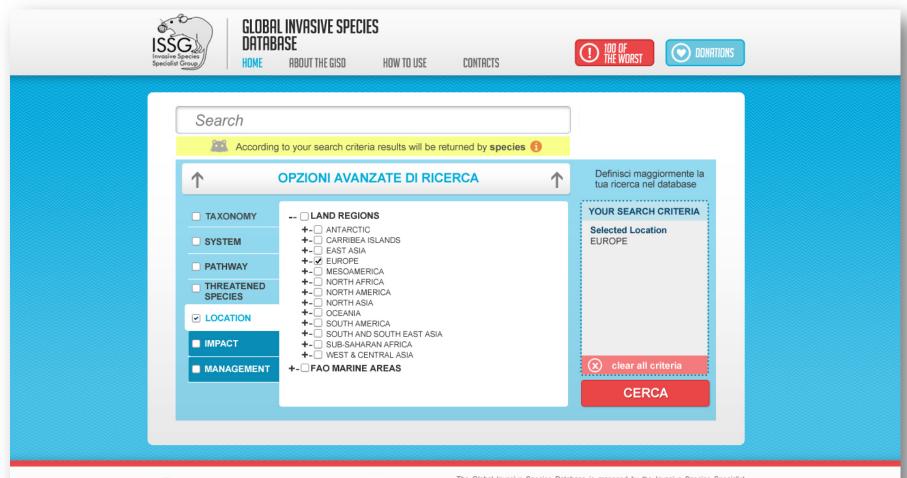








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La ricerca ha prodotto x risultati (di species), per un totale di 12 pagine



System: XYZ

Acacia confusa (acacia petit feuille, boiffuring, boiffuring, formosa acacia, formosa koa, ianangi, ianangi, mimosa, pilampwoia, shoshigi, shoshigi, small Philippine acacia, soschghi, sosigi, sosigi

Kingdom	Phylum	Class	Order	Family
Plantae	Plantae	Plantae	Fabales	Fabaceae
Contamo VVZ				

System: XYZ

Acacia farnesiana (acacia jaune, aroma, aromo, ban baburi, carambuco, cashia, cassie, debena, Ellington curse, espino blanco, espino ruco, esponja, esponjeira, huisache, huisache dulce, kandaroma, klu, klu bush, kolu, mimosa, mimosa bush, needle bush, oki, opoponax, popinac, popinac, rayo, Small's acacia, sweet acacia, tekaibakoa, titima, vaivai vakavotona, Westindische akazie)

Kingdom	Phylum	Class	Order	Family
Plantae	Plantae	Plantae	Fabales	Fabaceae
System: XYZ				

Acacia Longifolia (biar, black wattle, brown salwood, hickory wattle, manggee hutan, mangium, Sabah salwood, tongke hutan)

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YOUR SEARCH CRITERIA

Selected Taxonomy

✓ AEDES ALBOPICTUS

Selected System

✓ TERRESTRIAL

Selected Threatened

✓ SOTTOMENU 1

Selected Location

✓ ASIA

✓ modify your search

✓ clear all criteria



#### GLOBAL INVASIVE SPECIES DATABASE

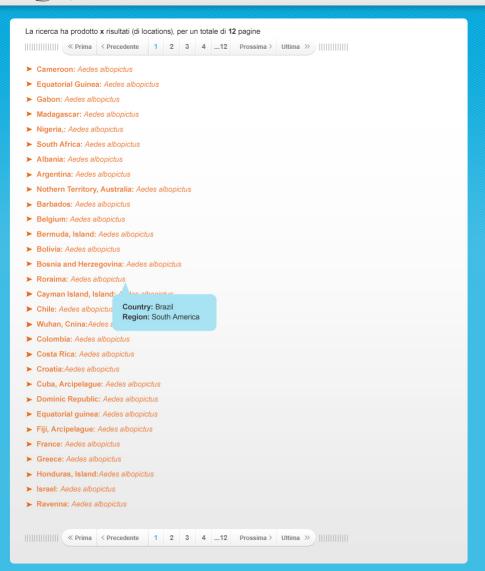
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#### **GLOBAL INVASIVE SPECIES**

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System: Terrestrial



#### Erinaceus europaeus

				.,		
Kingdom	Phylum	Class	Order	Family		
Animalia	Chordata	Mammalia	Erinaceomorpha	Erinaceidae		



**GENERAL** DISTRIBUTION **IMPACT** MANAGEMENT REFERENCE CONTACT

LOCATIONS > NEW ZEALAND

Information on Erinaceus europaeus has been recorded for the following locations. Click on the location name for additional

#### **NEW ZEALAND** Location Status Invasiveness Occurence Source New Zealand Country within or Alien Invasive Estabilished Jones and Sanders, 2005. part of Australasia Cromwell Detailed Location Jones and Sanders, 2005. within or part of Central Otago Alien Invasive Reported District Quail Is. Island within or part of Present/Controlled Jones and Sanders, 2005. Alien Invasive Christchurch City Mackenzie Basin Location Alien Invasive Estabilished Jones and Sanders, 2005. within or part of MacKenzie District Tawharanui Regional Park Protected Area within or part of Alien Invasive Eradicated Jones and Sanders, 2005. Rodney District Motutapu Is. Island within or Jones and Sanders, 2005. Alien Invasive Estabilished part of Waitemata Harbour











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#### GLOBAL INVASIVE SPECIES DATABASE

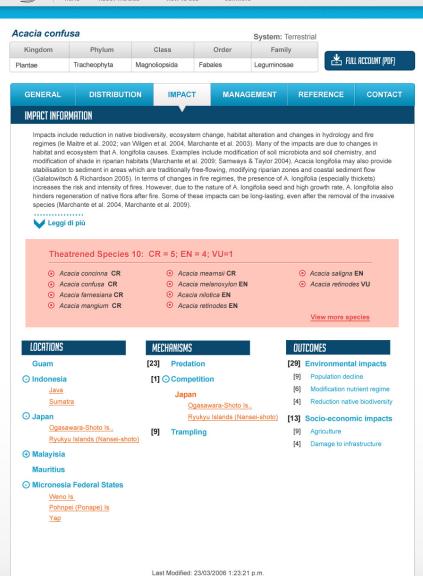
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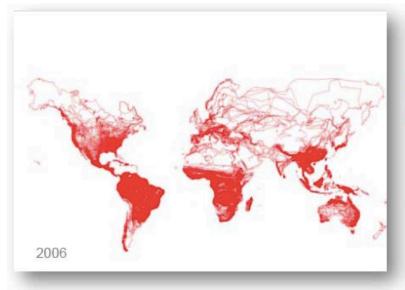


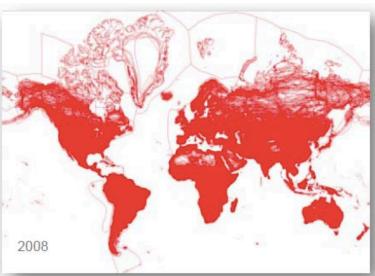
#### **Red List**



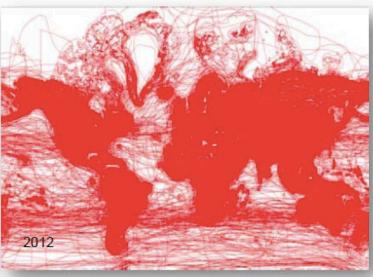


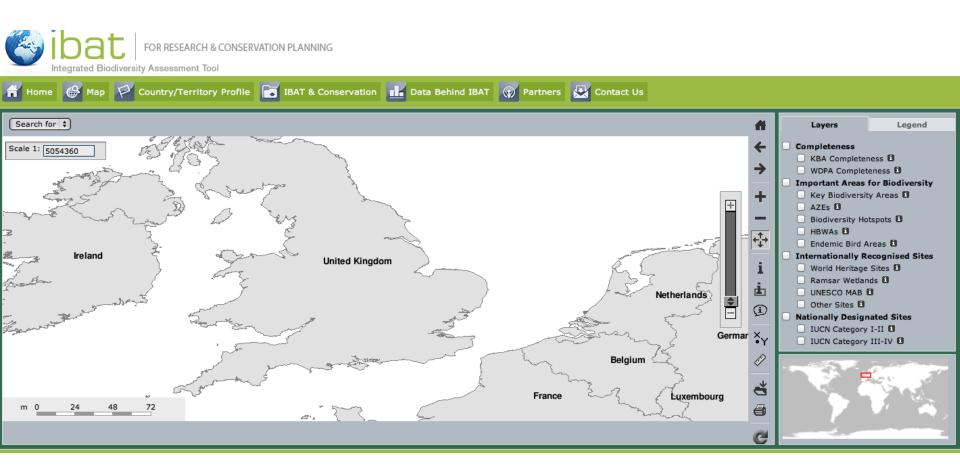
# **Red List**

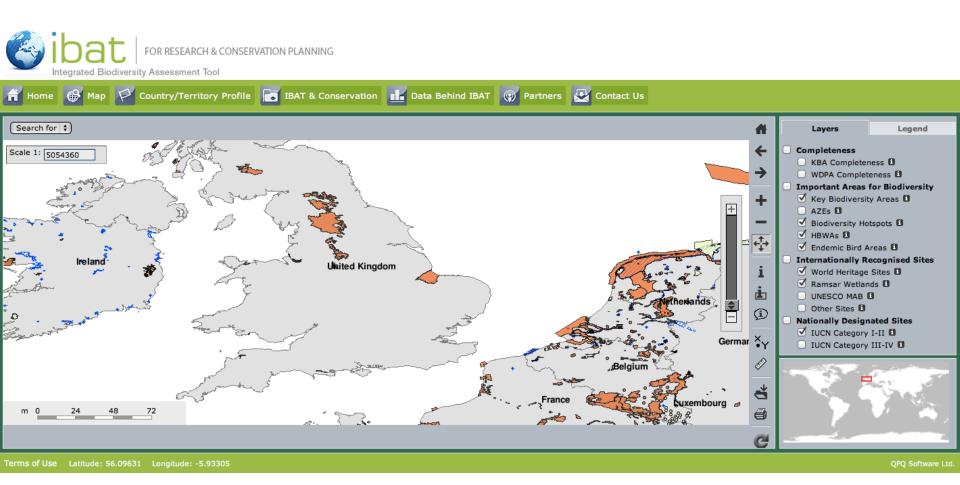


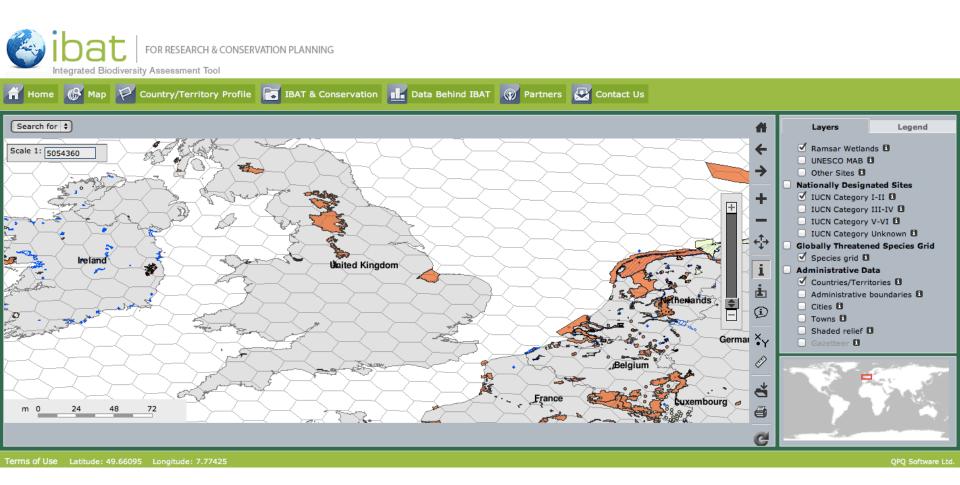


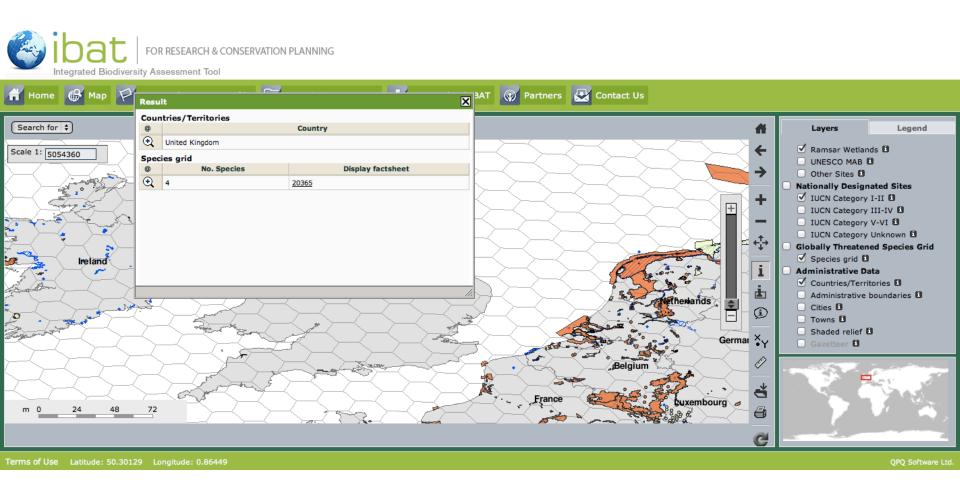












# Global Register of Introduced and Invasive Species - GRIIS

- Working with data providers
  - Compile information to facilitate access to existing data at the country level, including non-web resources
  - Commitment to compile data for 120 countries
  - Web interface with searching options

### **Island focus**

- Island Biodiversity and the threat of Invasive
   Species Database- IBIS
  - Threatened species on Pacific Islands, Bonin
     Ogasawara Islands, West Indian, sub-Antarctic Islands



- Cooperation with Island Conservation
  - Threatened Island Biodiversity database
- Cooperation with JRC within Biopama
  - Deliver information on IAS in protected islands of the world

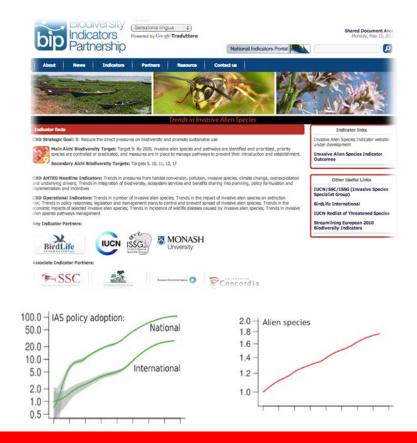




# **Biodiversity Indicator Partnership**



ISSG in collaboration with Melodie McGeoch











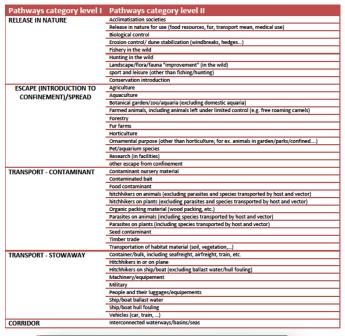
# **Prioritising pathways**

 Within GIASIParnership, collaborative project between ISSG, CABI ISC, DAISIE Europe to identify key pathways of invasions











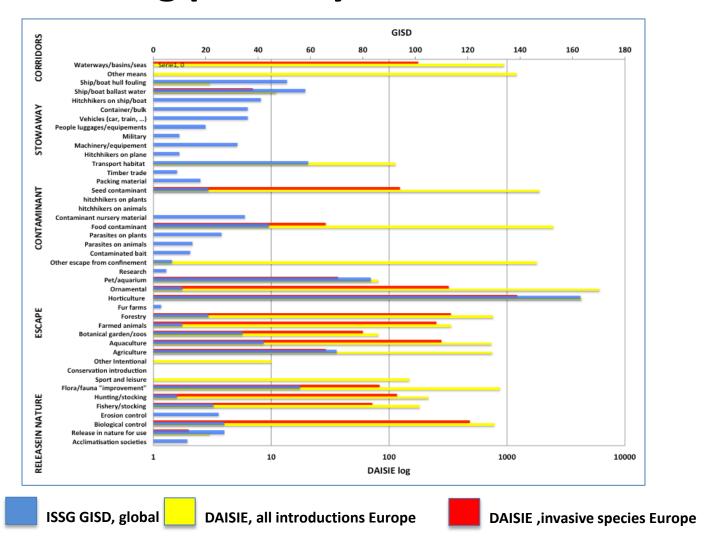








# **Prioritising pathways**

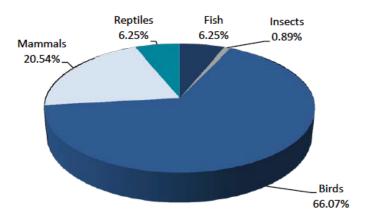


GIASIP meeting, London NHM 14-16 May 2013

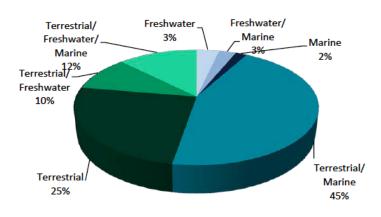


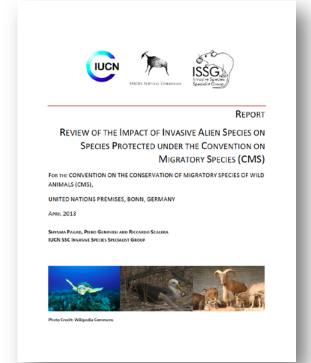
## **Collaboration with CMS**

#### FIGURE 1: CMS LISTED TAXA UNDER IMPACTS OF INVASIVE ALIEN SPECIES

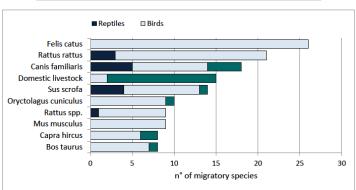


#### FIGURE 2: BIOMES THAT ARE MOST UNDER THREAT BY INVASIVE ALIEN SPECIES





#### FIGURE 3: TOP TEN INVASIVE ALIEN SPECIES AND NUMBERS OF MIGRATORY SPECIES IMPACTED



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# Marine species

- WoRMS World Register of Marine **Species** 
  - **EMODWET Project Flanders** Marine institute
  - Delivering a list of introduced invasive marine species, including data on pathways and impacts
  - Countries and sea areas (FAO zones)





