

TERMS OF REFERENCE

The terms of reference for the consultants were to develop a data exchange standard for Alien Invasive Species Profiles by consulting main actors, comparing and evaluating different schemas and data formats and to propose a core set of data elements. This has been achieved and recommendations have been made for further development.

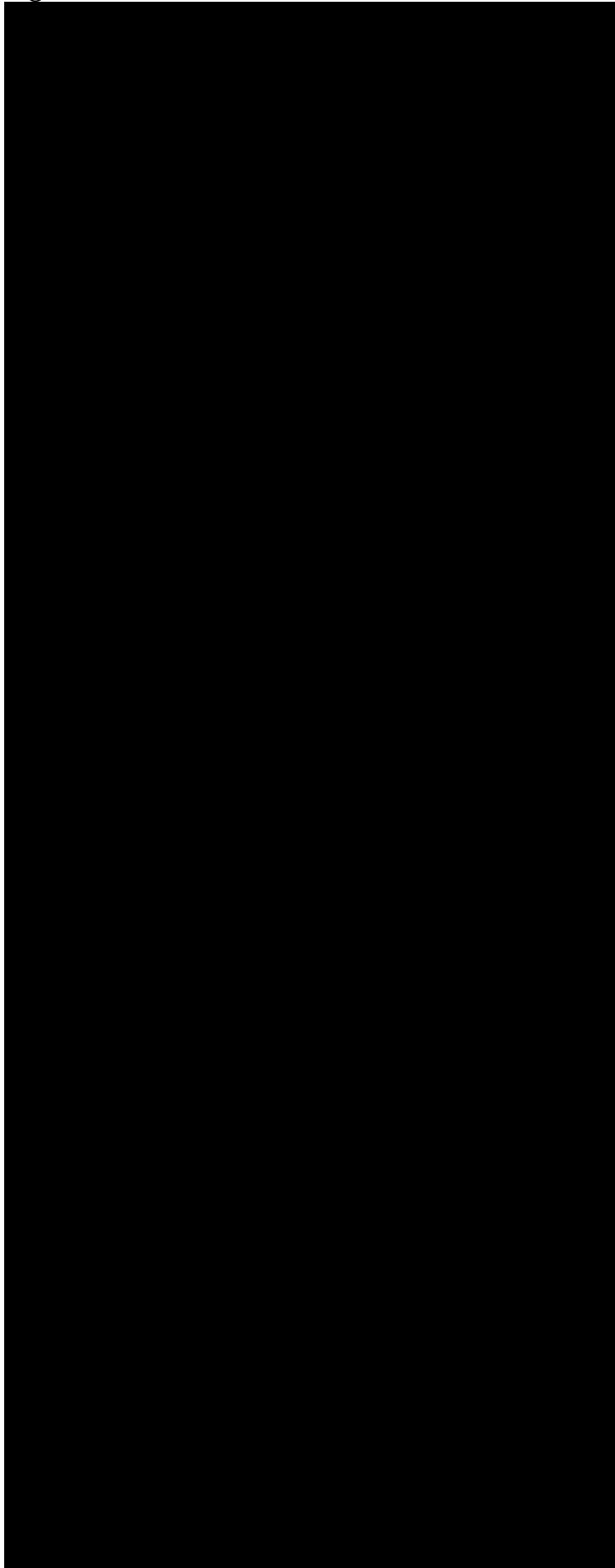
In developing an IAS Profile schema we have not add

relationships between data components, even within a single profile, is difficult to

IMO, etc.)¹

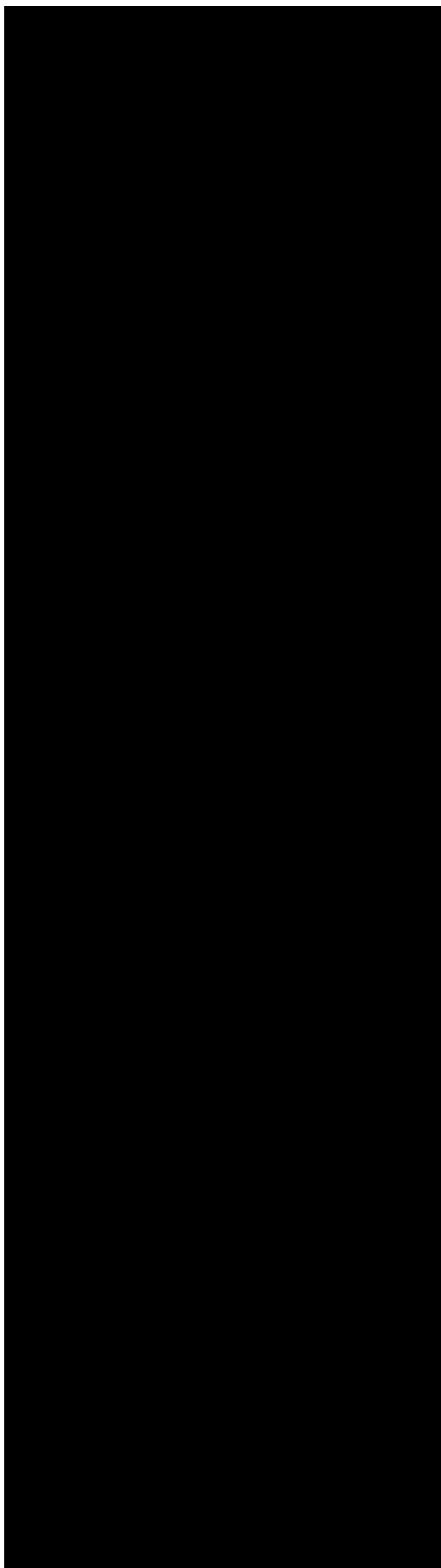
source of the actual data set (e.g. a fact sheet) being shared, a ReportedData element

Fig. 3 The Metadata element



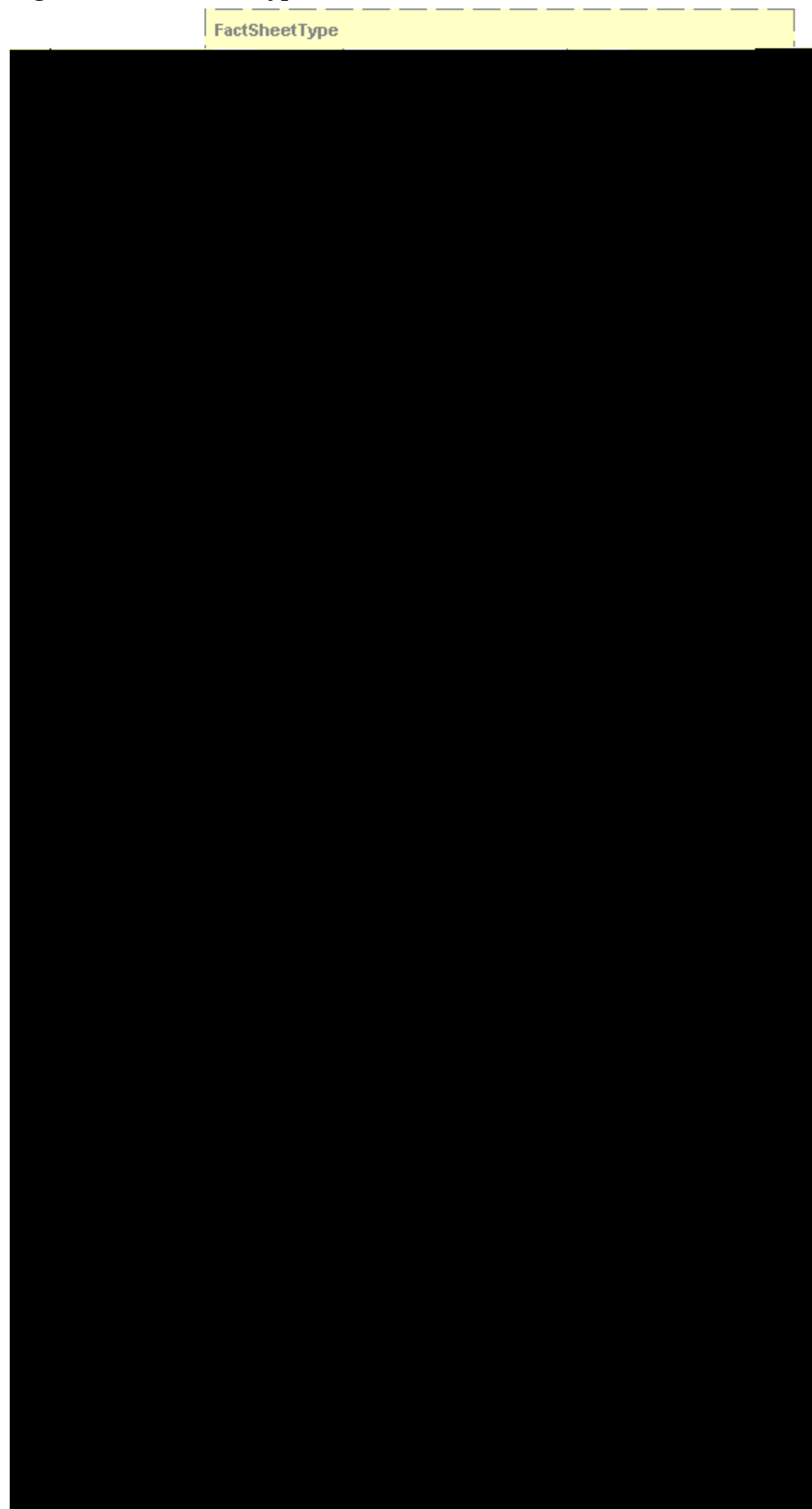
The Metadata element (*Fig. 3*) uses the ABCD content metadata standard for content description and language, logo, scope (geographic and taxonomic), version, revision status, owner and IPR statements.

The TaxonomicType element (*Fig. 9*) contains standard Darwin Core elements such



The Location element (*Fig. 10*) contains standard Darwin core elements and

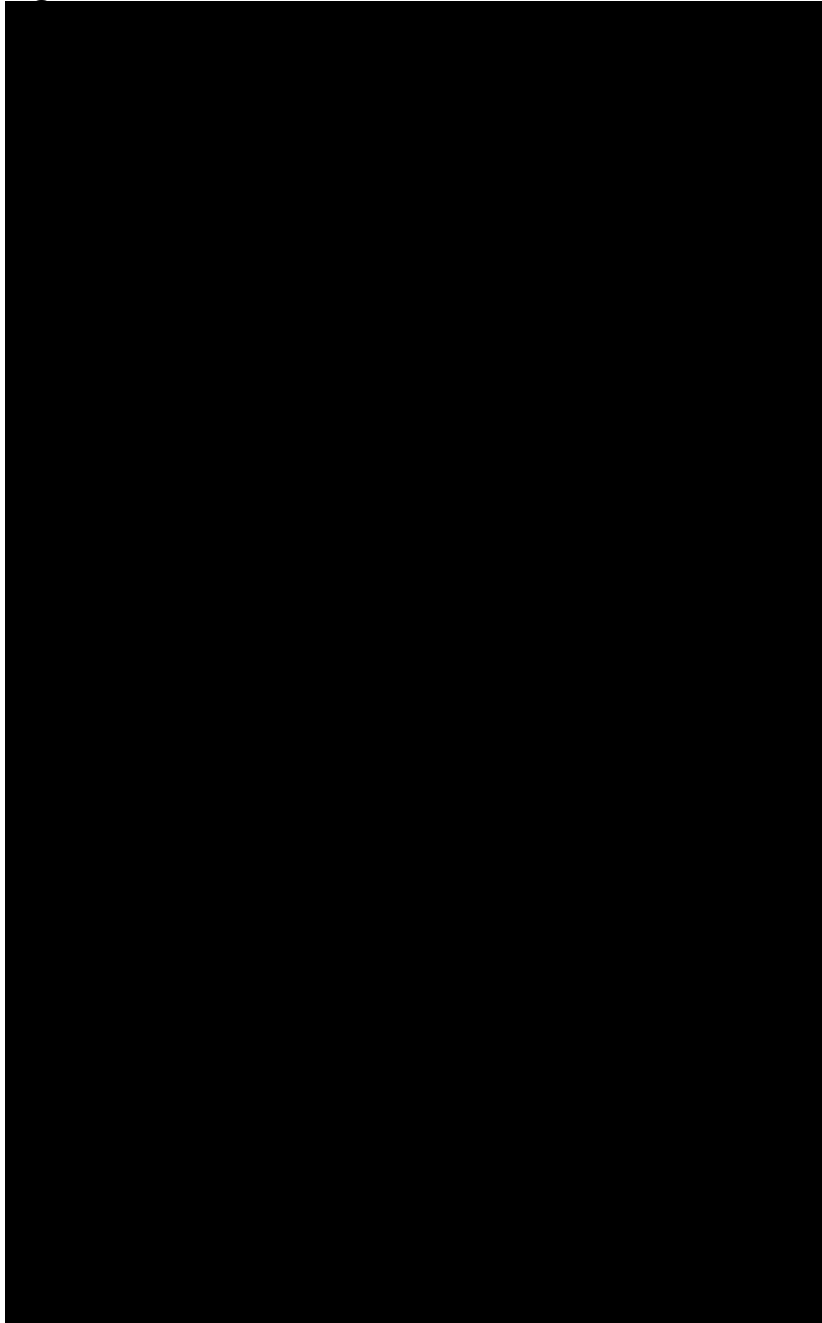
Fig. 11 The FactSheetType element



The FactSheetType element (

element contains GlossaryURI, SpeciesBankURI, SDD-URI, ImageURI,

Fig. 14 The HabitatData element



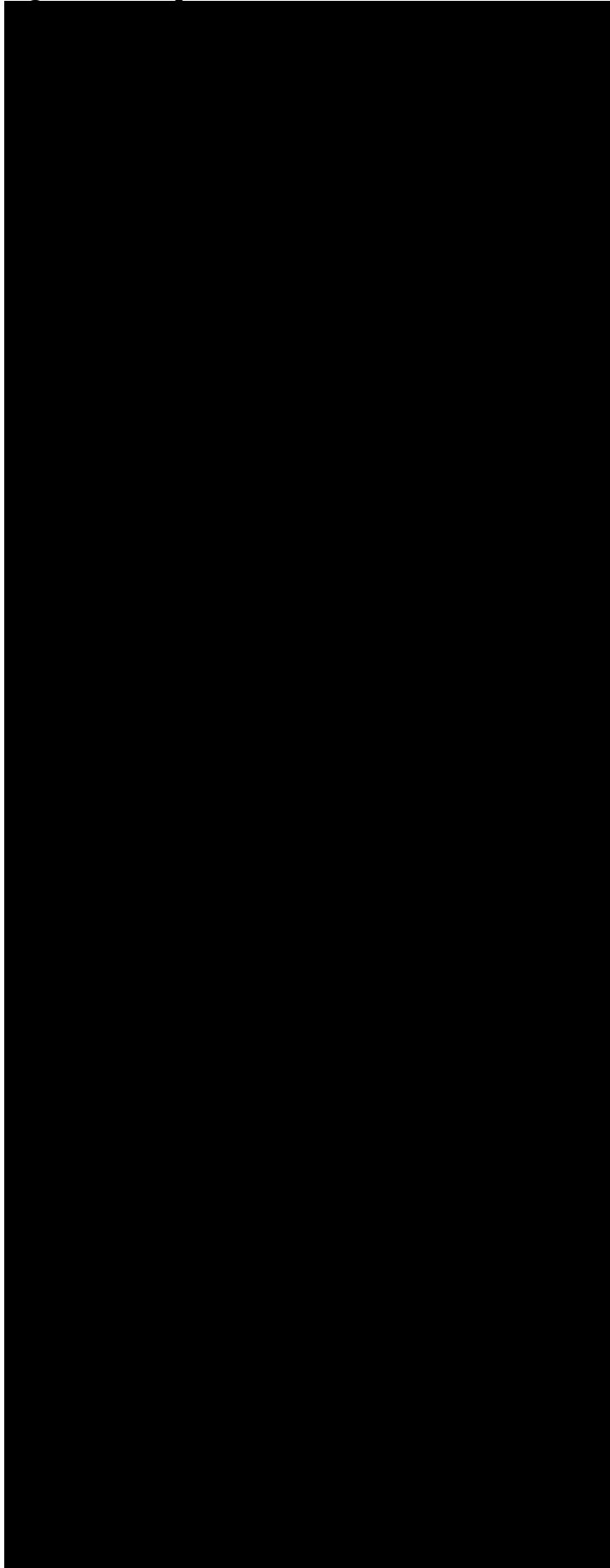
The HabitatData element (*Fig. 14*) contains Realm, Description, UniversalHabitatType, DefinedHabitatSchema, and RequirementsTolerances sub-elements. The Realm element has a lookup (terrestrial, freshwater, brackish, marine).

Fig. 17 The Uses element



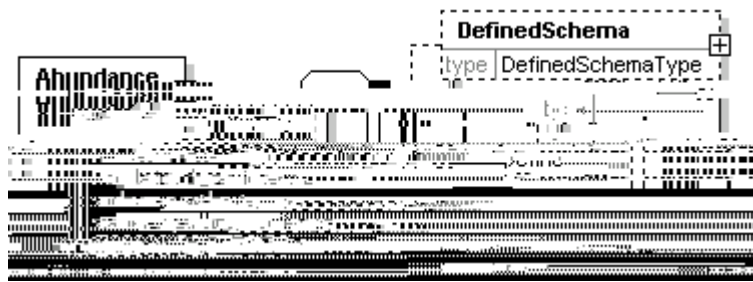
The Uses element (*Fig. 17*)

Fig. 18 The Impacts element



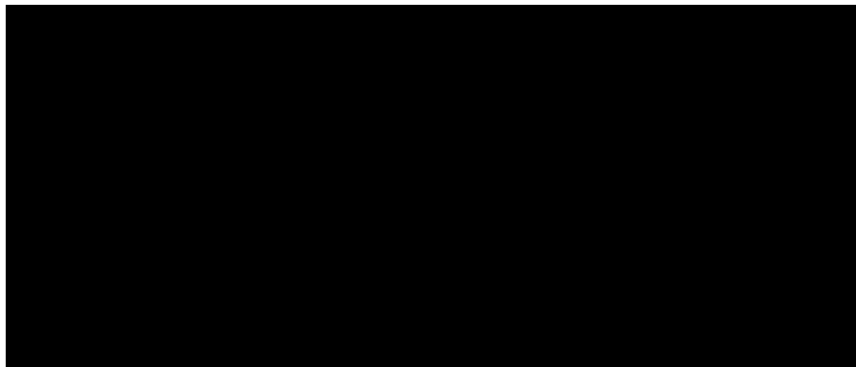
The Impacts element (*Fig. 18*

The Introduction and Dispersal elements (*Fig. 25*) have identical internal structures. Users can decide which one is more appropriate depending on the political and spatial context of their data. Introduction information is usually the focus of preventative biosecurity measures whereas Dispersal information is more often the focus of management measures. The Introduction and Dispersal elements contain Date,



The Abundance element (*Fig. 28*) contains Trend and DefinedSchema sub-elements.

Fig. 29 The DefinedSchema element



The DefinedSchema element (*Fig. 29*) is used throughout the IAS-PS to allow users to use and reference their own classification systems.

Appendix 2. List of online databases and other resources examined

Online databases

FishBase
Global Compendium of Weeds (GCW)
GloBallast
I3N Invasive Species Database
Introduced Marine Species of Hawaii Guidebook
Introduced Plants and Animals (in Russia)
Invasive Exotic Species in the Iberian Peninsula
Invasive Plant Atlas of New England
Invasive species fact sheet descriptive fields DRAFT (IABIN)
List of Invasive Species of Pakistan
National Aquatic Introduced Species Information System (NIASIS)
National Introduced Marine Pest Information System (NIMPIS)

REFERENCES:

Carlton, J.T., and Ruiz, G.M., 2003. Principles of Vector Science and Integrated