

IAS-ESS

Invasive Alien Species - Exotic Specimen Sightings

GOAL

To provide a generic, open, usable platform for Invasive Alien Species (IAS) research, management and public engagement.

PHILOSOPHY

Oriented toward non-specialist reporting
Open platform, open data
Different uses for different users

WHY?

Thus far, iAssess is an un-funded social enterprise, produced by geeks with an interest, and a little free time.

IAS / recording platforms exist, so why are we bothering?

We feel some IAS platforms are:

- ◉ **Disconnected, or connected awkwardly via complex technology**
- ◉ **Aimed above the general public - not good for crowd sourcing, and not a great user experience!**
- ◉ **Focussed broadly on general species recording**

WHY?

We recognise and respect the quality of other platforms, and offer iAssess to assist with public engagement, management and, importantly, the engagement of the younger & non-technical public through an integrated system.

iAssess is agile

There is currently no other system (that we know of) through which one can add a taxon to track, draw out management areas, and have the mobile tools available to start gathering data in 10 minutes; *iAssess can do this*.

iAssess is still in active development, and we are aware that steps are needed to integrate with other recording platforms, and taxonomy directories.

We have - and are - actively establishing data-flow agreements to merge our data with national data-sets.

+ Add Item ▾ Theme: Plain
 Share Email this form See responses ▾ More actions ▾ Saved

IAS Template

This is a template for IAS-specific questionnaires.

Reference Number (DO NOT MODIFY) *
 This is your unique reference number; please do not change it as your sighting may be lost.

My First IAS Question
 Example: What is the ground cover under <The IAS>

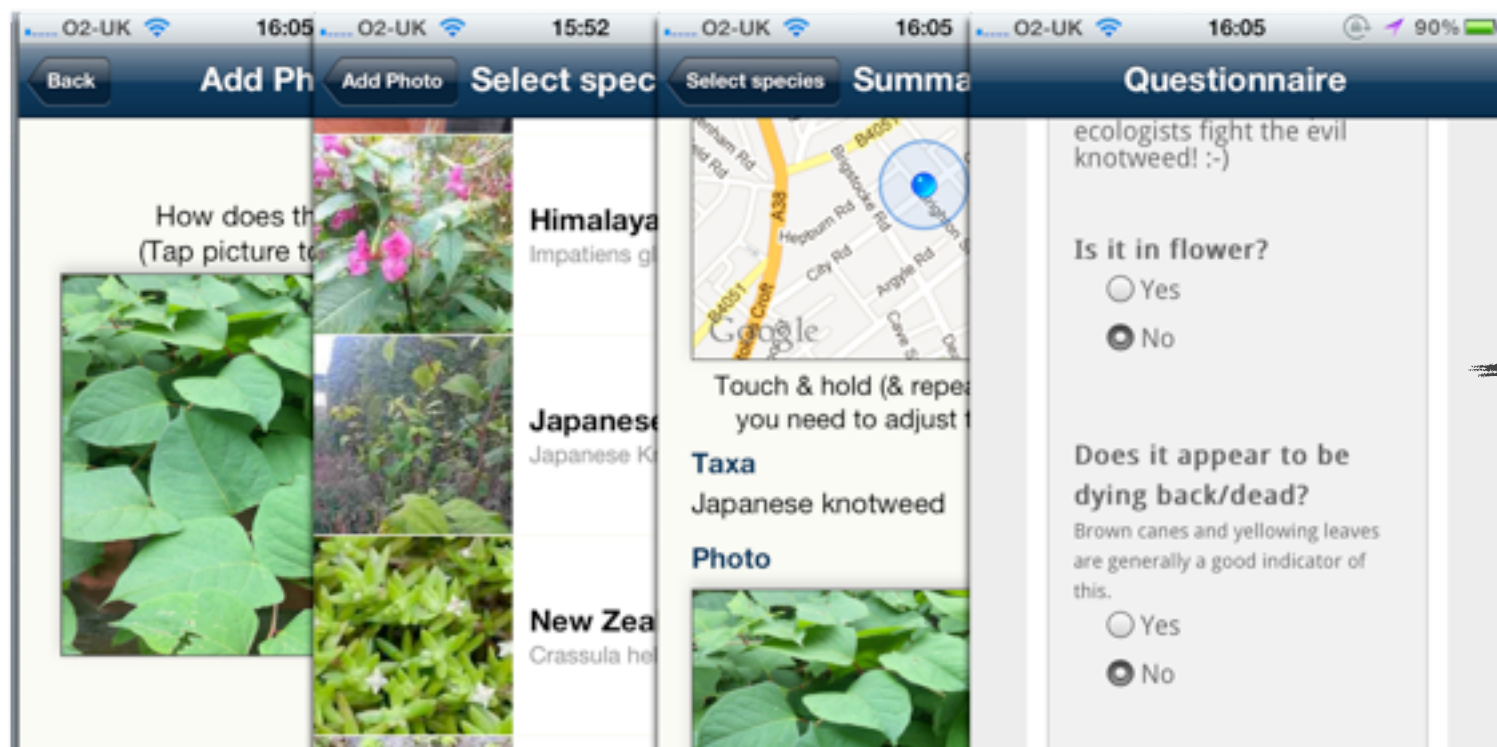


List of species

Species name	Latin name	Sightings	Most recent	
			When	Where
Buddleja	Buddleja davidii	247	Feb. 26, 2012, 5:15 p.m.	Bristol
Floating pennywort	Hydrocotyle ranunculoides	0		
Giant hogweed	Heracleum mantegazzianum	0		
Harlequin Ladybird	Harmonia axyridis	19	May 27, 2012, 11:57 a.m.	Cambridge
Himalayan Balsam	Impatiens glandulifera	3	Aug. 29, 2011, 4:48 p.m.	Saltford

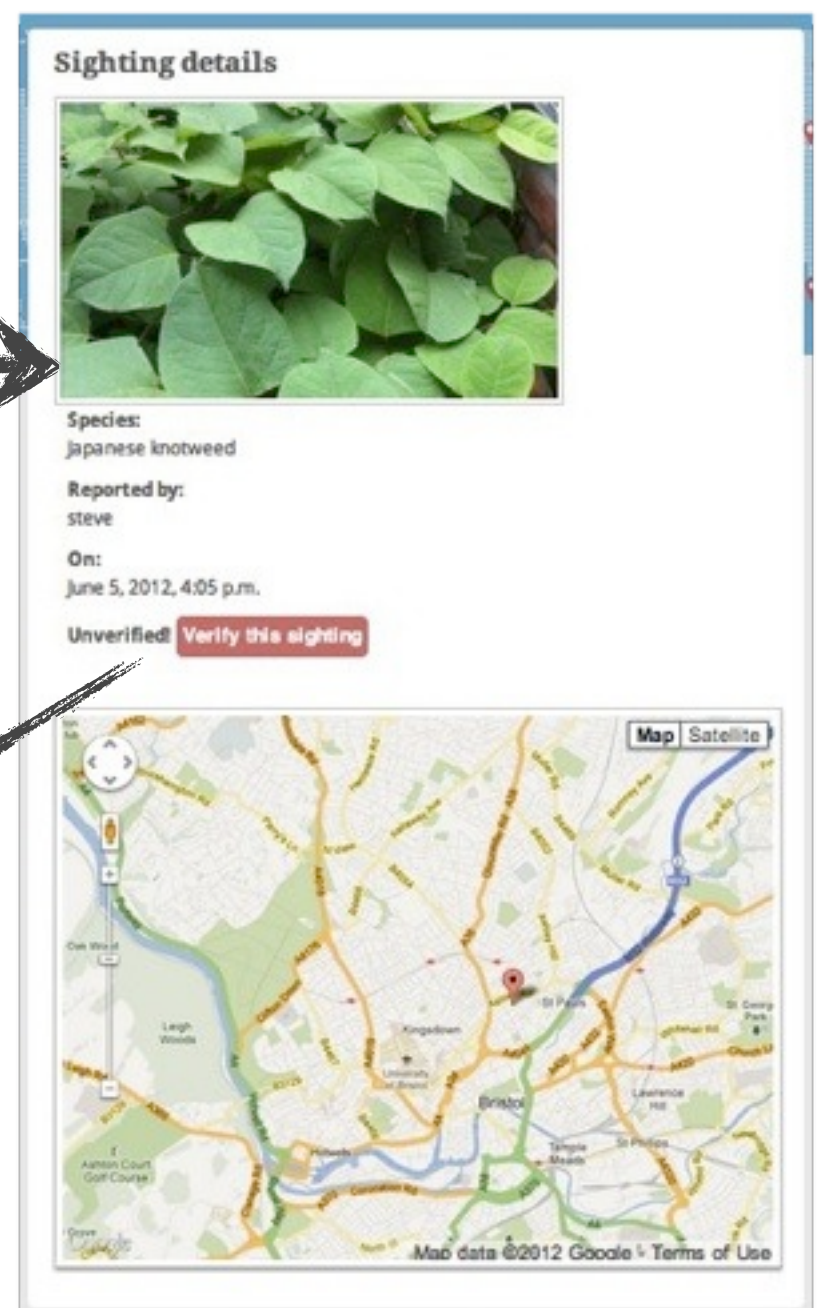
GENERIC IAS MONITORING

Focussed on IAS – all in one place
 Limited taxa-sets & campaigns, by region



Unverified sightings — click one to check and verify

Image	Date	Species	Location
	June 5, 2012, 4:05 p.m.	Japanese knotweed	-2.5861 51.4640



USABLE PLATFORM

Integrated iOS and Android apps
E-mail notifications & follow-ups, IAS 'portal'

MANAGERS



Current functionality:

- Draw out management areas / upload Shapefiles
- Limit species list inside areas (follows through to apps)
- Get alerts inside areas
- Verify sightings by image
- Download of sightings in area(s), by area


Planned functionality:

- Management app, to record management techniques, dates
- Notifications back to users who made sightings
- Best practice, history and knowledge sharing to other managers

Your areas

Area	Reference (click one to edit)	Download
 Powered by Leaflet — Map data © OpenStreetMap contributors, CC-BY-SA , Imagery © CloudMade	Jersey	Sightings
 Powered by Leaflet — Map data © OpenStreetMap contributors, CC-BY-SA , Imagery © CloudMade	Guernsey	Update Sightings

Edit or add areas



[Delete all Features](#)
You can add or edit polygons, but changing one will delete its reference (above)

Which taxa should users be spotting? (All if none selected)





- ☒ Buddleja ✕
- ☒ Harlequin Ladybird ✕
- ☒ Japanese knotweed ✕
- ☒ Floating pennywort ✕

Which taxa do you want users to sight? This will be used to inform the mobile app taxon pickers.

[Update](#)

O2-UK 16:54 88%

[Add Photo](#) [Select species](#) [Refresh](#)

-  **Buddleja**
Buddleja davidii [>](#)
-  **Floating penny...**
Hydrocotyle ranuncul... [>](#)
-  **Harlequin Lady...**
Harmonia axyridis [>](#)
-  **Japanese knot...**
Japanese Knotweed... [>](#)

AREA MANAGEMENT

Individual area referencing
Taxa-specific campaigns, follows through to apps

Sort by Date ▾

IAS-ESS

30/05/2012

[IAS] Sighting in managed area

Inbox - soup

A sighting of Buddleja was made. Here is a link to the sighting: <http://ias-ess.org/ias/sighting/100195>

IAS-ESS

30/05/2012

[IAS] Sighting in managed area

Inbox - soup

A sighting of Test Species was made. Here is a link to the sighting: <http://ias-ess.org/ias/sighting/100196>

From: IAS-ESS <no-reply@ias-ess.org>
Subject: [IAS] Sighting in managed area
Date: 30 May 2012 18:03:45 GMT+01:00
To: [REDACTED]

A sighting of Buddleja was made.

Here is a link to the sighting: <http://ias-ess.org/ias/sighting/100195>

Manager Profile

Settings

Sightings

Shields

There are 68 sightings in your management area.

Download Sightings

Most recent verified sightings

Image	Date	Species
	May 20, 2012, 4:08 p.m.	Harlequin Ladybird

Unverified sightings — click one to check and verify

Image	Date	Species	Location
	June 5, 2012, 4:05 p.m.	Japanese knotweed	-2.5861 51.4640

AREA ALERTS

Notifications about sightings in management area
Verification of sightings in management area

EXPERTS

Current functionality:

- Add and track taxa
- Define meta-data (questionnaire) specific for each taxon
- Share meta-data via Google docs to other experts
- Get alerts for taxa
- Verify sightings by image
- Download sightings of tracked taxa

Planned functionality:

- Full integration with NBN Gateway & other recording services
- Taxa linked to international databases

Step 02: Register the basic details

Scientific name

Common name

Rank

Key text

A helpful description so that users can identify this taxon easily

Questionnaire

Where is the Google Questionnaire to which users should fully

Publish url

Please make the spreadsheet publicly visible, and paste the URL

Register taxon

Form (38) Help Last edit was made 58 minutes ago by Daniel.LI.Jones

Japanese knotweed

Fill in as many or as few of the questions below as you can - all this will help the ecologists fight the invasives!

Ref. No.

Useful information

Fill in as many or as few of the questions below as you can

Is it in flower?

☐ Yes

☐ No

Does it appear to be dying back/dead?

Brown canes and yellowing leaves are generally a good sign

☐ Yes

☐ No

Estimate the size of this patch of knotweed

Guestimate the size of the knotweed you have just found

☐ Smaller than a pool table

☐ Bigger than a pool table

☐ Smaller than a football pitch

☐ Larger than a football pitch

You can view the published form here: <https://docs.google.com/spreadsheets/viewform?formkey=dExad2t1cEk5SFh1ZKVVNzA1SzZYWF6MQ>

Sharing settings

Link to share

<https://docs.google.com/spreadsheets/ccc?key=0Ass09mluQXXpdExad2t1cEk5SFh1>

Share link via: [Google+](#) [Mail](#) [Facebook](#) [Twitter](#)

Who has access

	Public on the web – Anyone on the Internet can find and view	Change...
	Stephen Pike (you) soupless.spoon@gmail...	Can edit X
	Daniel Jones daniel.li.jones@googlemail.c...	Is owner

ADD & TRACK

Register taxa, get the meta-data you need from users
Easily collaborate with other experts, via Google Docs

Expert Profile

Settings


Sightings

Shields


There are 31 sightings for the taxon in your field of interest.

Download Sightings

Most recent verified sightings

Image	Date	Spec
	May 27, 2012, 3:26 p.m.	Japanese k

Unverified sightings — click one to check and verify

Image	Date	Species	Location
	June 5, 2012, 4:05 p.m.	Japanese knotweed	-2.5861 51.4640

VERIFICATION & ALERTS

Taxa sighting notifications, verification by image
Download taxon sighting data

GENERAL USE

Current functionality:

- View sightings on maps
- Sighting galleries & timelines
- Taxon identification information
- Encouragement via gaming - 'shields' (badges) and feedback
- Internationalised to a growing number of languages

Planned functionality:

- Further gaming - encouragement to keep sighting
- Links out to more technical services (Non-Native Species Secretariat, NBN Gateway, Global Invasive Species Database)

Sighting locations



Most recent



Japanese knotweed on 2012-05-12 12:12:25.880939

3

2011-04

Monthly sightings

0

The Shield System

A way for us to say thank you. A way to let others know you care. A way to show your contributions to the environment.



Latest comments



Daniel_Jones commented: Was out and about yesterday in Swansea (UK) - flower buds starting to form on Fallopia japonica!



steve commented: Indeed - the stand in my neighbour's garden has just sprouted its inflorescences. Not bloomed yet though!



Daniel_Jones commented: Very true (for the most part) - though I noticed that the Fallopia japonica var. compacta is flowering in the

What we're saying



about a day ago Conservation area managers! Want to keep track of [#InvasiveSpecies](#) in your area? Upload a shapefile to [ias-ess.org](#)! Totally free!



about 10 days ago Cool! MT @benjaminwrites: Aquatron: Dalhousie's amazing work to prevent [#invasivespecies](#)

GENERAL USE

Timelines, galleries, maps
Gaming through 'shield' rewards, social reach

ias-ess.org

Steve: steve@ias-ess.org

Dan: dan@ias-ess.org

CONTACT