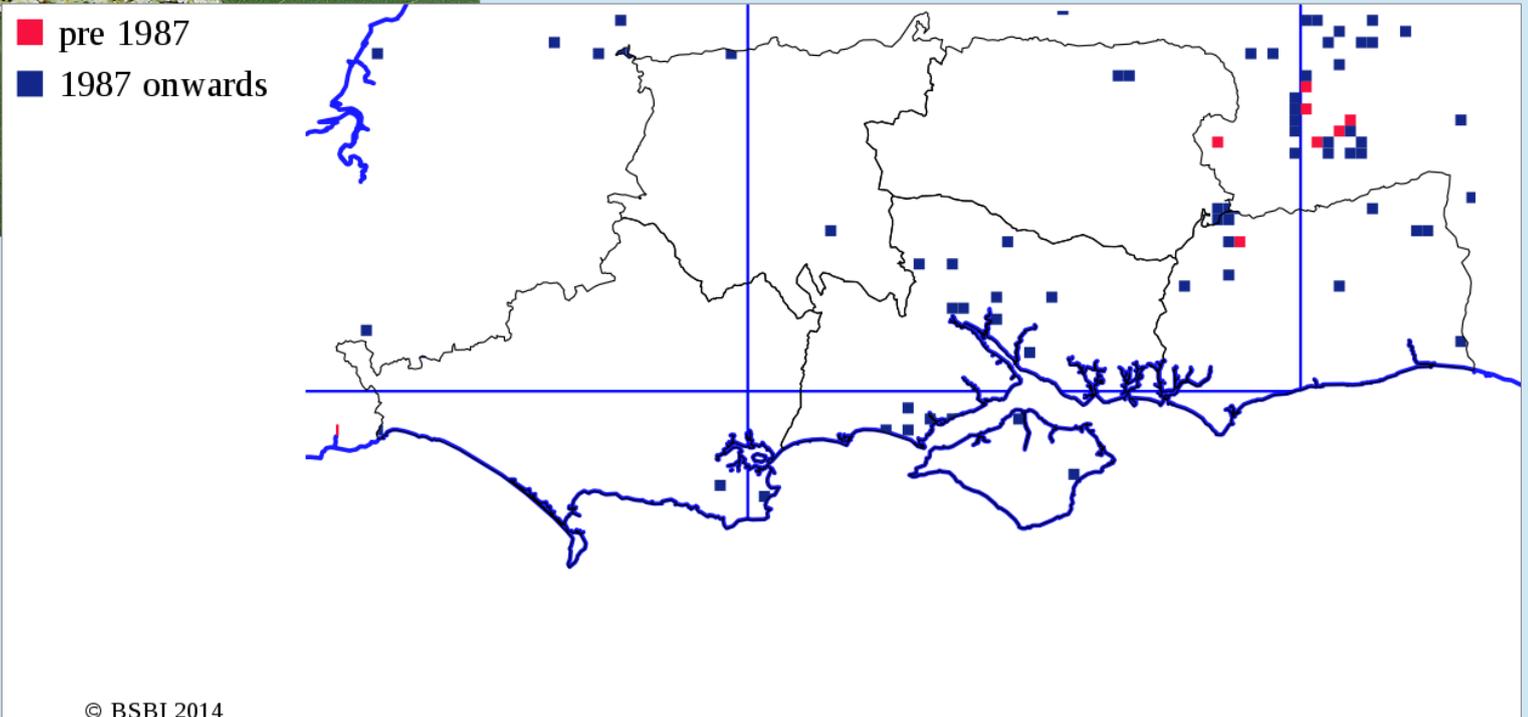
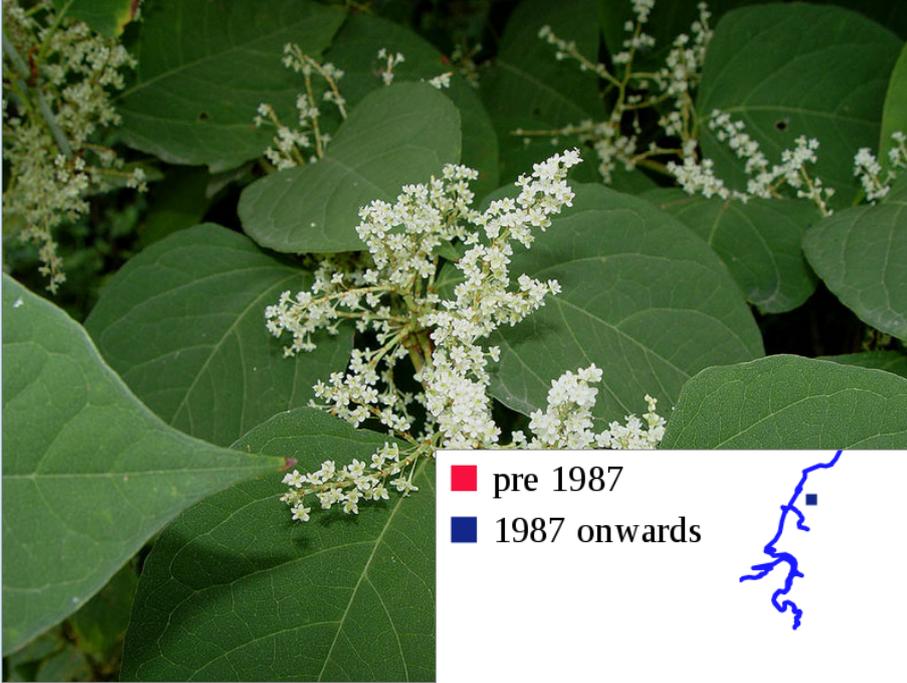


Data collection: engaging the citizenry



Data collection: engaging the citizenry

Two national projects:

Current:
Atlas 2020 –
broad but shallow
on detail



Completed:
Threatened Plants
Project –
limited scope but
detailed



Data collection: engaging the citizenry

■ pre 1987
■ 1987 onwards

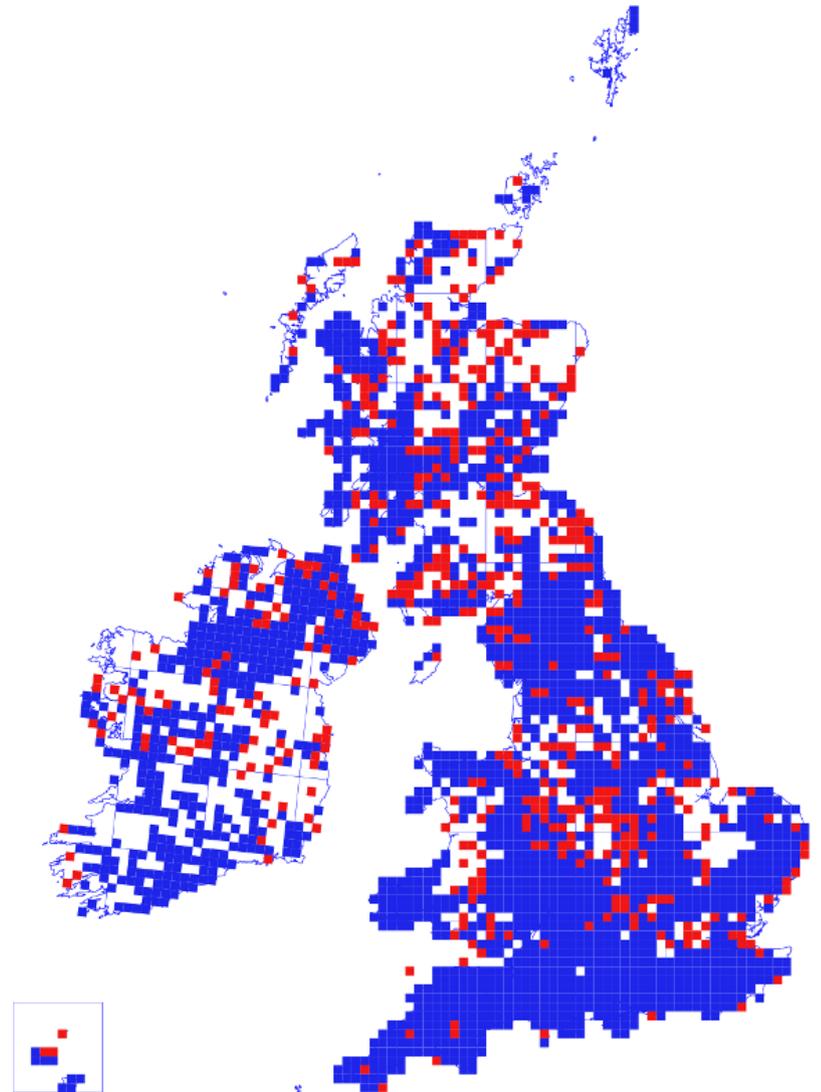
Atlas 2020: the challenges

Over 5,000 taxa to be considered

Uneven baseline coverage at the chosen resolution (2x2 km)

Uneven spread of available manpower

Wide range of skills and expertise in pool of volunteers



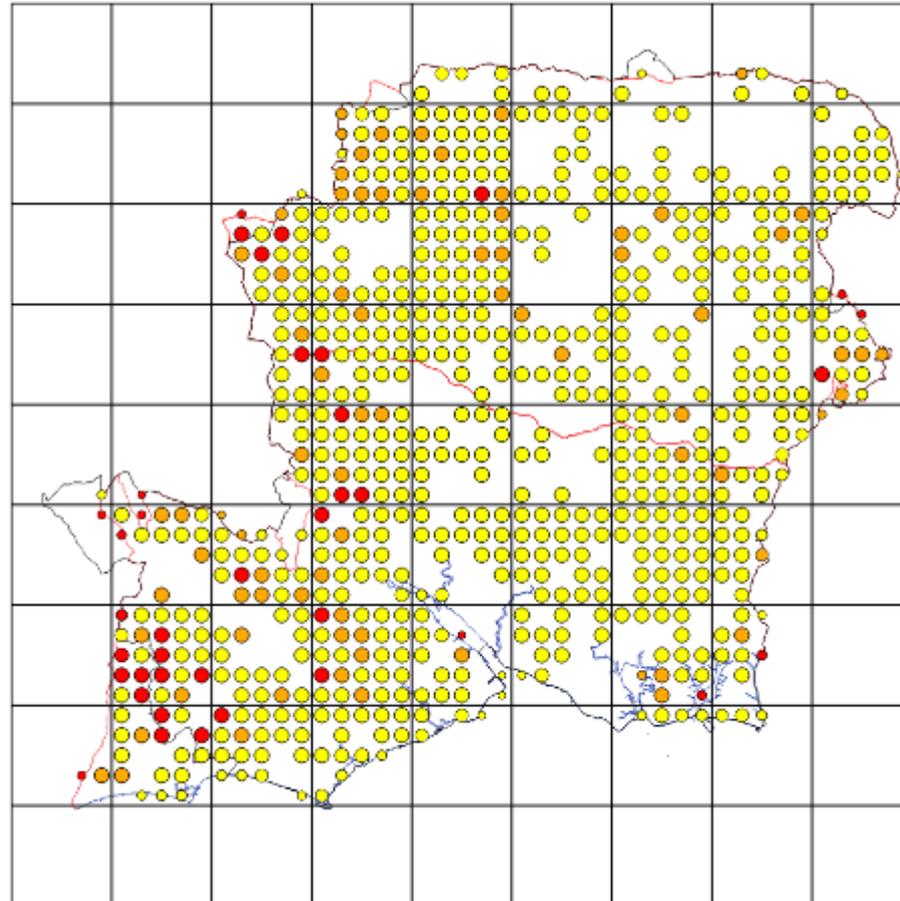
Data collection: engaging the citizenry

**Planning at a
local level
means:**

Prioritisation of effort

Giving (at least some)
people responsibilities

Tracking and getting
feedback



Data collection: engaging the citizenry

Hectad SU32

Guardians: Adrian Hutchings

Top

High

Medium

Low

Back to map

Priority tetrads and visits logged

- SU32F** **Priority: Top** Species richness: High Need to re-record: Top
 SU3220 355 total taxa 102 taxa since 1999 Latest: 355/102
- SU32J** **Priority: Top** Species richness: Top Need to re-record: High
 SU3228 401 total taxa 168 taxa since 1999 Latest: 401/168
- SU32K** **Priority: Top** Species richness: Top Need to re-record: High
 SU3420 434 total taxa 213 taxa since 1999 Latest: 434/213

Date	Organiser	Status	Notes
Tue, 10 Sep 2013	Peter Marston	Entered up	

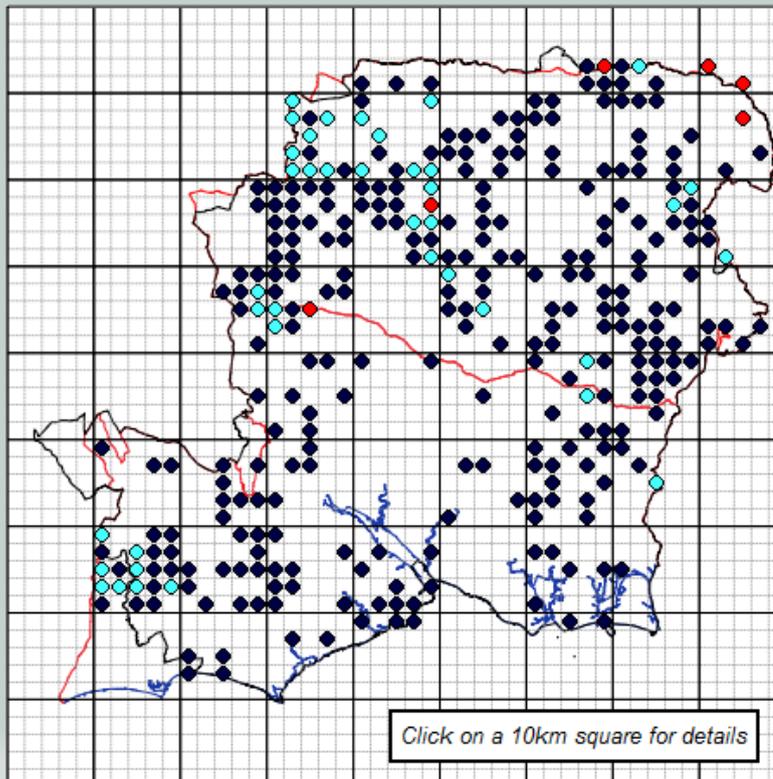
Data collection: engaging the citizenry

Priority tetrads

Visit plans

Species gaps

Atlas 2020 Recording: Visits



Imminent tetrad visits

Wed 09 Apr 2014	SU10C	Martin Rand	Part tetrad
Fri 11 Apr 2014	SU10E	Martin Rand	Part tetrad
Wed 16 Apr 2014	SU45Q	Tony Mundell	
Thu 24 Apr 2014	SU71M	Martin Rand	

Data collection: engaging the citizenry

Priority tetrads and visits logged

SU33C **Priority: Top** Species richness: Medium Need to re-record: Top
SU3034 *247 total taxa* *63 taxa since 1999* *Latest: 247/63*

Date	Organiser	Status	Notes
Thu, 01 May 2014	Martin Rand	Proposed	
Fri, 11 Jul 2014	Martin Rand	Proposed	

Common Species List	Checklist Format
<input type="radio"/> New Forest list	<input type="radio"/> Short scientific names
<input type="radio"/> South Hants (other) list	<input checked="" type="radio"/> Scientific names
<input type="radio"/> North Hants Heaths list	<input type="radio"/> English names
<input checked="" type="radio"/> North Hants (other) list	<input type="checkbox"/> Old records / unrecorded common species only
<input type="button" value="Printable recording form - select required tetrad / options above"/>	

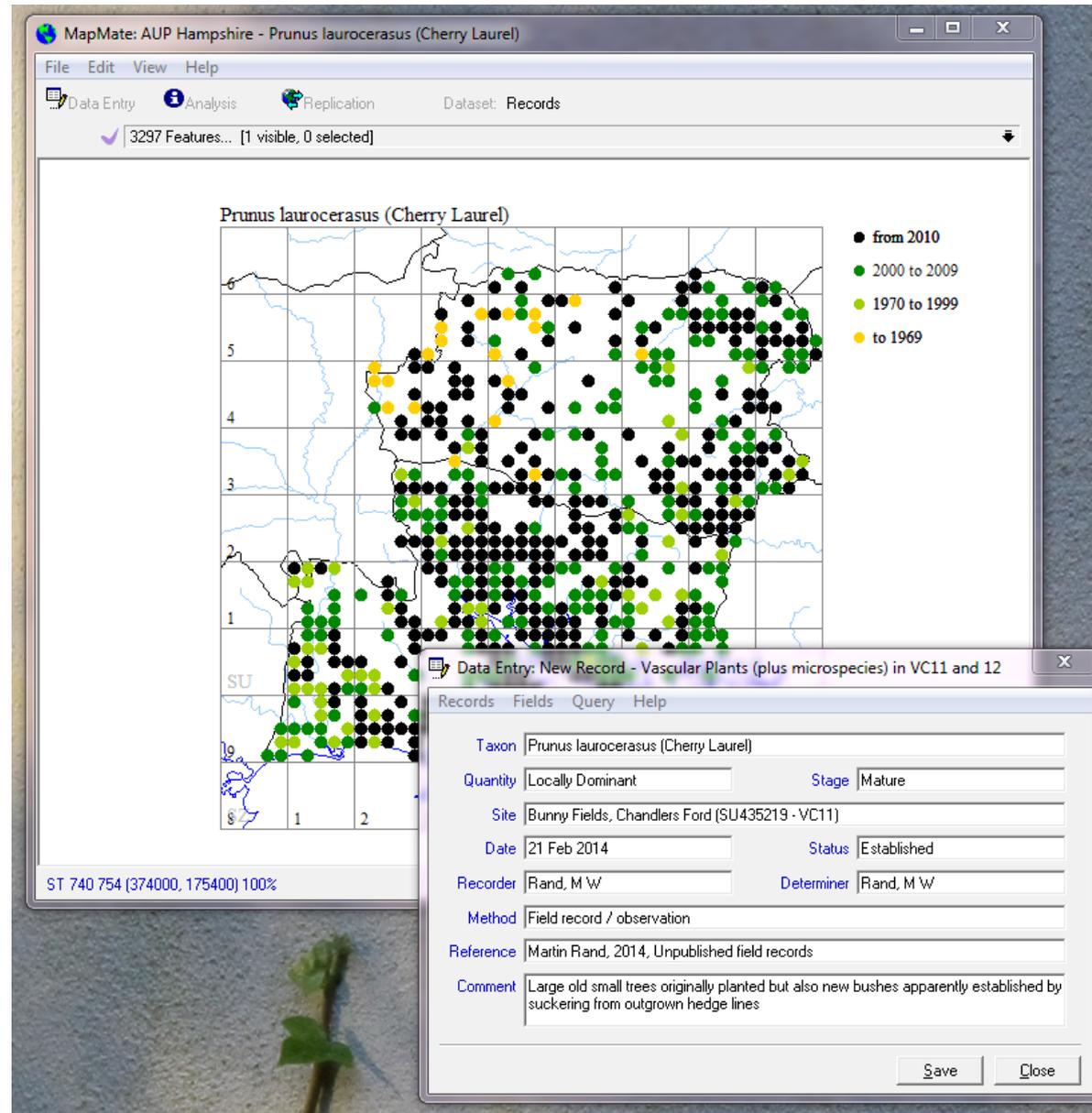
Data collection: engaging the citizenry

<p>Species list - instructions for completion</p> <p>Bold entries are common species and can be recorded by marking the box corresponding to the 1km square in the tetrad.</p> <p>All other species (including unlisted species) should have a detailed grid reference and location recorded on this sheet or the supplementary sheet.</p> <p>If a subspecies is marked common and the species also listed but not marked common, record the subspecies if you are confident but otherwise fill in details for the species.</p> <p><i>Italic entries</i> = not currently on database, or not recorded since 1999.</p>			

Taxon	Last	Taxon	Last	Taxon	Last	Taxon	Last	Taxon	Last	Taxon	Last	
<input type="checkbox"/>	<input type="checkbox"/>	<i>Acer campest</i> 2010	<input type="checkbox"/>	<i>Bras nap ole</i>	<input type="checkbox"/>	<i>Chenop rubru</i>	<input type="checkbox"/>	<i>Eupho helios</i> 2006	<input type="checkbox"/>	<i>Ilex aquifoliu</i> 1997	<input type="checkbox"/>	<i>Malva sylvest</i> 1997
<input type="checkbox"/>	<input type="checkbox"/>	<i>Acer platanol</i>	<input type="checkbox"/>	<i>Briza media</i>	<input type="checkbox"/>	<i>Circa luteola</i>	<input type="checkbox"/>	<i>Euphor pepelu</i>	<input type="checkbox"/>	<i>Impati capen</i>	<input type="checkbox"/>	<i>Matri chama</i> 2011
<input type="checkbox"/>	<input type="checkbox"/>	<i>Acer pseudo</i> 1997	<input type="checkbox"/>	<i>Bromop erect</i> 1997	<input type="checkbox"/>	<i>Cirsiu acaul</i>	<input type="checkbox"/>	<i>Euphr nemor</i>	<input type="checkbox"/>	<i>Impati glandul</i>	<input type="checkbox"/>	<i>Matrica disco</i> 2006
<input type="checkbox"/>	<input type="checkbox"/>	<i>Achill millefol</i> 1999	<input type="checkbox"/>	<i>Bromo ramos</i>	<input type="checkbox"/>	<i>Cirsiu arvens</i> 2010	<input type="checkbox"/>	<i>Fagus sylvati</i> 2010	<input type="checkbox"/>	<i>Inula conyzae</i>	<input type="checkbox"/>	<i>Medica lupull</i> 1997
<input type="checkbox"/>	<input type="checkbox"/>	<i>Adonis annua</i> 1998	<input type="checkbox"/>	<i>Bromu horde</i> 1999	<input type="checkbox"/>	<i>Cirsiu palustr</i> 1997	<input type="checkbox"/>	<i>Fallo convolv</i> 2006	<input type="checkbox"/>	<i>Iris foetidissi</i>	<input type="checkbox"/>	<i>Melic uniflor</i>
<input type="checkbox"/>	<input type="checkbox"/>	<i>Adoxa mosch</i>	<input type="checkbox"/>	<i>Brom hor hor</i> 1999	<input type="checkbox"/>	<i>Cirsiu vulgare</i> 2010	<input type="checkbox"/>	<i>Festuc ovina</i>	<input type="checkbox"/>	<i>Iris pseudaco</i>	<input type="checkbox"/>	<i>Menth aquad</i> 1997
<input type="checkbox"/>	<input type="checkbox"/>	<i>Aegop podag</i> 1997	<input type="checkbox"/>	<i>Bryoni dioic</i> 1997	<input type="checkbox"/>	<i>Clemati vitalb</i> 2010	<input type="checkbox"/>	<i>Festuca rubra</i>	<input type="checkbox"/>	<i>Juncu articul</i>	<input type="checkbox"/>	<i>Menth arvens</i>
<input type="checkbox"/>	<input type="checkbox"/>	<i>Aescu hippoc</i> 1997	<input type="checkbox"/>	<i>Buddle david</i>	<input type="checkbox"/>	<i>Clinopo vulga</i> 1999	<input type="checkbox"/>	<i>Fest rub agg</i> 1999	<input type="checkbox"/>	<i>Juncu bufoni</i>	<input type="checkbox"/>	<i>Mercur annua</i> 2010
<input type="checkbox"/>	<input type="checkbox"/>	<i>Aethu cynapi</i> 2011	<input type="checkbox"/>	<i>Buxus sempe</i> 2010	<input type="checkbox"/>	<i>Cochie danic</i>	<input type="checkbox"/>	<i>Fest rub rub</i> 1999	<input type="checkbox"/>	<i>Juncu effusu</i>	<input type="checkbox"/>	<i>Mercuri peren</i> 2010
<input type="checkbox"/>	<input type="checkbox"/>	<i>Aeth cyn cyn</i>	<input type="checkbox"/>	<i>Caill agg.</i>	<input type="checkbox"/>	<i>Coniu macula</i> 2010	<input type="checkbox"/>	<i>Fica ver fer</i> 1999	<input type="checkbox"/>	<i>Juncu inflexu</i>	<input type="checkbox"/>	<i>Millu effusu</i>
<input type="checkbox"/>	<input type="checkbox"/>	<i>Agrim eupat</i> 1997	<input type="checkbox"/>	<i>Cailltri stagna</i>	<input type="checkbox"/>	<i>Conop majus</i>	<input type="checkbox"/>	<i>Fillpen ulmar</i> 1997	<input type="checkbox"/>	<i>Kickxi elatin</i>	<input type="checkbox"/>	<i>Mimul guttax</i> 1999
<input type="checkbox"/>	<input type="checkbox"/>	<i>Agros capilla</i>	<input type="checkbox"/>	<i>Caith palustr</i> 1997	<input type="checkbox"/>	<i>Convol arven</i> 1997	<input type="checkbox"/>	<i>Fragari vesca</i>	<input type="checkbox"/>	<i>Kickxi epuri</i> 2006	<input type="checkbox"/>	<i>Moehri trine</i> 1997
<input type="checkbox"/>	<input type="checkbox"/>	<i>Agrost gigant</i> 1930	<input type="checkbox"/>	<i>Calysze septu</i>	<input type="checkbox"/>	<i>Conyz canad</i>	<input type="checkbox"/>	<i>Fraxi excels</i> 2010	<input type="checkbox"/>	<i>Knaut arvens</i> 1999	<input type="checkbox"/>	<i>Mycell murali</i> 1999
<input type="checkbox"/>	<input type="checkbox"/>	<i>Agros stolon</i> 1930	<input type="checkbox"/>	<i>Calysze silvat</i>	<input type="checkbox"/>	<i>Cornu sangui</i> 1997	<input type="checkbox"/>	<i>Fumar densifi</i> 2011	<input type="checkbox"/>	<i>Lacuz serriol</i> 1999	<input type="checkbox"/>	<i>Myoso arven</i> 1997
<input type="checkbox"/>	<input type="checkbox"/>	<i>Ajuga reptan</i> 1930	<input type="checkbox"/>	<i>Campa glome</i>	<input type="checkbox"/>	<i>Coryt avella</i> 2010	<input type="checkbox"/>	<i>Fumar officinal</i> 1997	<input type="checkbox"/>	<i>Lami gal arg</i> 1999	<input type="checkbox"/>	<i>Myos arv arv</i>

Data collection: engaging the citizenry

MapMate



The screenshot displays the MapMate software interface for data collection. The main window is titled "MapMate: AUP Hampshire - Prunus laurocerasus (Cherry Laurel)". It features a menu bar (File, Edit, View, Help) and a toolbar with icons for Data Entry, Analysis, and Replication. The status bar indicates "3297 Features... [1 visible, 0 selected]".

The central map shows the distribution of Prunus laurocerasus (Cherry Laurel) in Hampshire, with records color-coded by year:

- Black dots: from 2010
- Green dots: 2000 to 2009
- Yellow-green dots: 1970 to 1999
- Yellow dots: to 1969

An "Data Entry: New Record - Vascular Plants (plus microspecies) in VC11 and 12" dialog box is open, containing the following fields:

- Taxon: Prunus laurocerasus (Cherry Laurel)
- Quantity: Locally Dominant
- Stage: Mature
- Site: Bunny Fields, Chandlers Ford (SU435219 - VC11)
- Date: 21 Feb 2014
- Status: Established
- Recorder: Rand, M W
- Determiner: Rand, M W
- Method: Field record / observation
- Reference: Martin Rand, 2014, Unpublished field records
- Comment: Large old small trees originally planted but also new bushes apparently established by suckering from outgrown hedge lines

The bottom status bar shows the coordinates "ST 740 754 (374000, 175400) 100%".

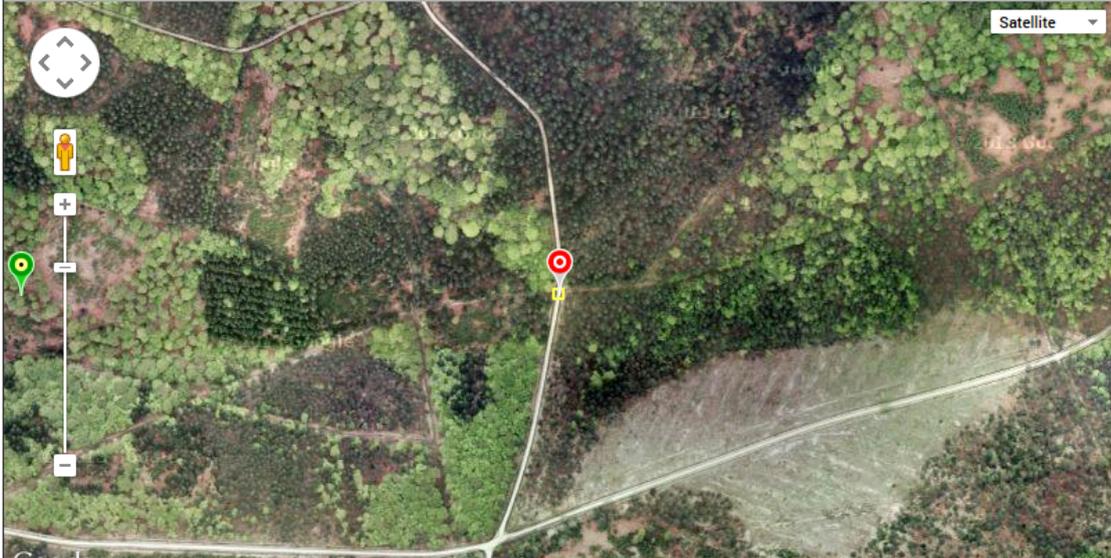
Data collection: engaging the citizenry

Living
Record

Powered by **LivingRecord.net**: Environmental Recording for England, Scotland and Wales © mc² Data Innovation Limited 2010-14

User: Martin Rand **Hants Plants** [Close Map](#)

Satellite



Google

Map data ©2014 Google Imagery ©2014 DigitalGlobe, Getmapping plc, Infoterra Ltd & Bluesky 100 m Terms of Use Report a map error

Subject: Vascular plants my expertise: 5 high Checklist: All Species - text search (7858)

Text search checklist: search using part of the common name (you can use [or] to indicate the start or end of a name); start of the genus; start of both genus and species separated by a space.

📍 SU33580400 Denny Lodge Inclosure (W) area [Click here to finish with this location or](#)

Records	1 Jan to 31 Dec 2014	Certainty Sure=5	Number	DAFOR scale	Quadrat %
Add New Records singly					
Add New R					

Add Record: Vascular plants at Denny Lodge Inclosure (W) area

Search for Species:

Date and time	Certainty Sure=5	Number	DAFOR scale	Quadrat %
<input type="text" value="13/03/2014"/>	<input type="text" value="5"/>	<input type="text"/>	<input type="text" value="Locally Abundant"/>	<input type="text"/>

How identified?

Method:

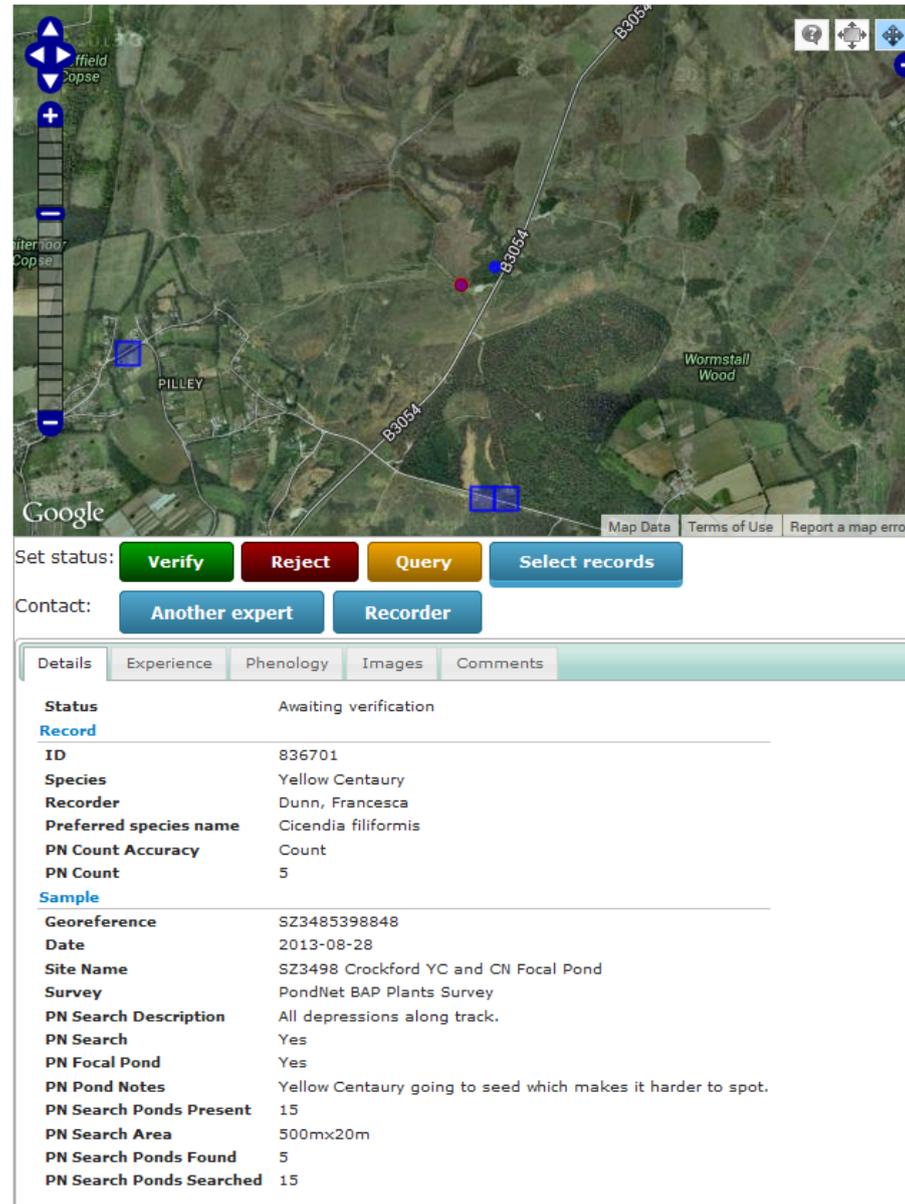
Note: Abundantly regenerating from original planting (now removed) along ride ar

Recorder: Identifier: Specimen:

Project:

Data collection: engaging the citizenry

iRecord



The screenshot shows the iRecord interface. At the top is a Google Maps view of a rural area with a red pin marking a location. Below the map are several buttons: 'Verify' (green), 'Reject' (red), 'Query' (yellow), and 'Select records' (blue). Below these are 'Contact:' buttons for 'Another expert' and 'Recorder'. A tabbed interface shows 'Details' selected, displaying the following record information:

Status	Awaiting verification
Record	
ID	836701
Species	Yellow Centaury
Recorder	Dunn, Francesca
Preferred species name	Cicendia filiformis
PN Count Accuracy	Count
PN Count	5
Sample	
Georeference	SZ3485398848
Date	2013-08-28
Site Name	SZ3498 Crockford YC and CN Focal Pond
Survey	PondNet BAP Plants Survey
PN Search Description	All depressions along track.
PN Search	Yes
PN Focal Pond	Yes
PN Pond Notes	Yellow Centaury going to seed which makes it harder to spot.
PN Search Ponds Present	15
PN Search Area	500mx20m
PN Search Ponds Found	5
PN Search Ponds Searched	15

Data collection: engaging the citizenry

Priority tetrads and visits logged

- SU10B** **Priority: Top** Species richness: Top Need to re-record: High
SU1002 *448 total taxa* *187 taxa since 1999* *Latest: 448/187*

Date	Organiser	Status	Notes
Thu, 17 May 2012	Geoffrey Field	Entered up	
Wed, 13 Aug 2014	Martin Rand	Proposed	Part tetrad

- SU10C** **Priority: Top** Species richness: High Need to re-record: Top
SU1004 *399 total taxa* *84 taxa since 1999* *Latest: 399/84*

Date	Organiser	Status	Notes
Wed, 09 Apr 2014	Martin Rand	Proposed	Part tetrad
Thu, 14 Aug 2014	Martin Rand	Proposed	Part tetrad

- SU10E** **Priority: Top** Species richness: Medium Need to re-record: Top
SU1008 *251 total taxa* *3 taxa since 1999* *Latest: 305/3*

Date	Organiser	Status	Notes
Fri, 11 Apr 2014	Martin Rand	Proposed	Part tetrad
Mon, 25 Aug 2014	Martin Rand	Proposed	Part tetrad

Data collection: engaging the citizenry

Workshops on technique and identification

Already

Atlas recording methodology

Preservation techniques and herbaria

Improvers' workshop (terminology, techniques, equipment)

Ferns

Conifers

Goosefoot family (*Amaranthaceae*)

Willowherbs (*Epilobium*)

Daisy family (*Asteraceae*)

Sedges (*Cyperaceae*)

Grasses (*Poaceae*)

To come:

Aquatics

Cotoneaster

Dandelions (*Taraxacum*)

etc..



Data collection: engaging the citizenry

Online resources for identification

All workshop notes

Localised keys for critical groups e.g. *Hieracium*

Short notes on particular species aggregates

Links to external sites such as the BSBI *Plant Crib*

Formalised field meetings

Opportunities for learning as well as recording

Recorders' personal 'trips out'

Learners always welcome to join them



Data collection: engaging the citizenry

Spreading the word

Bioblitzes

Walks led for other organisations

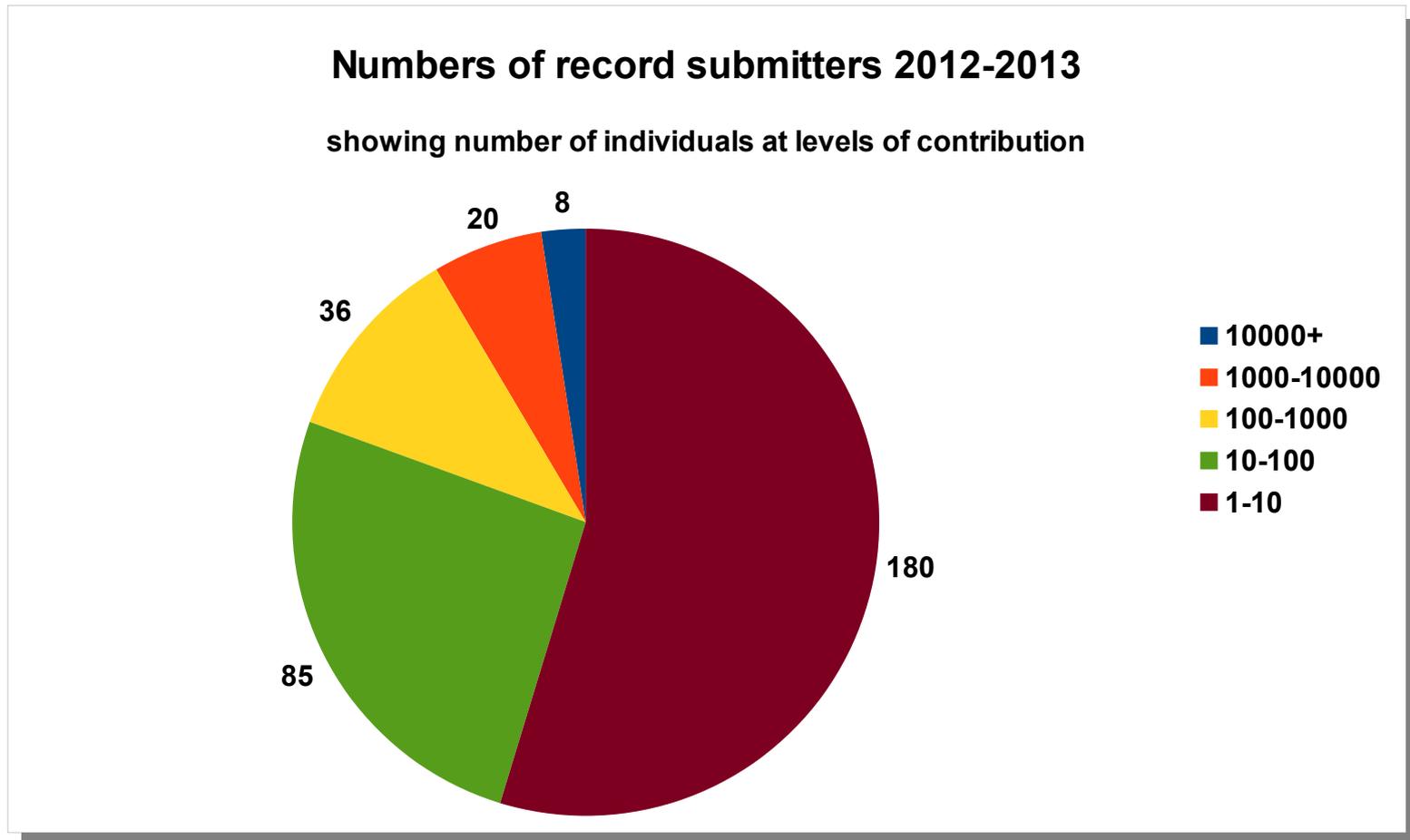
Talks to societies

Stands at meetings



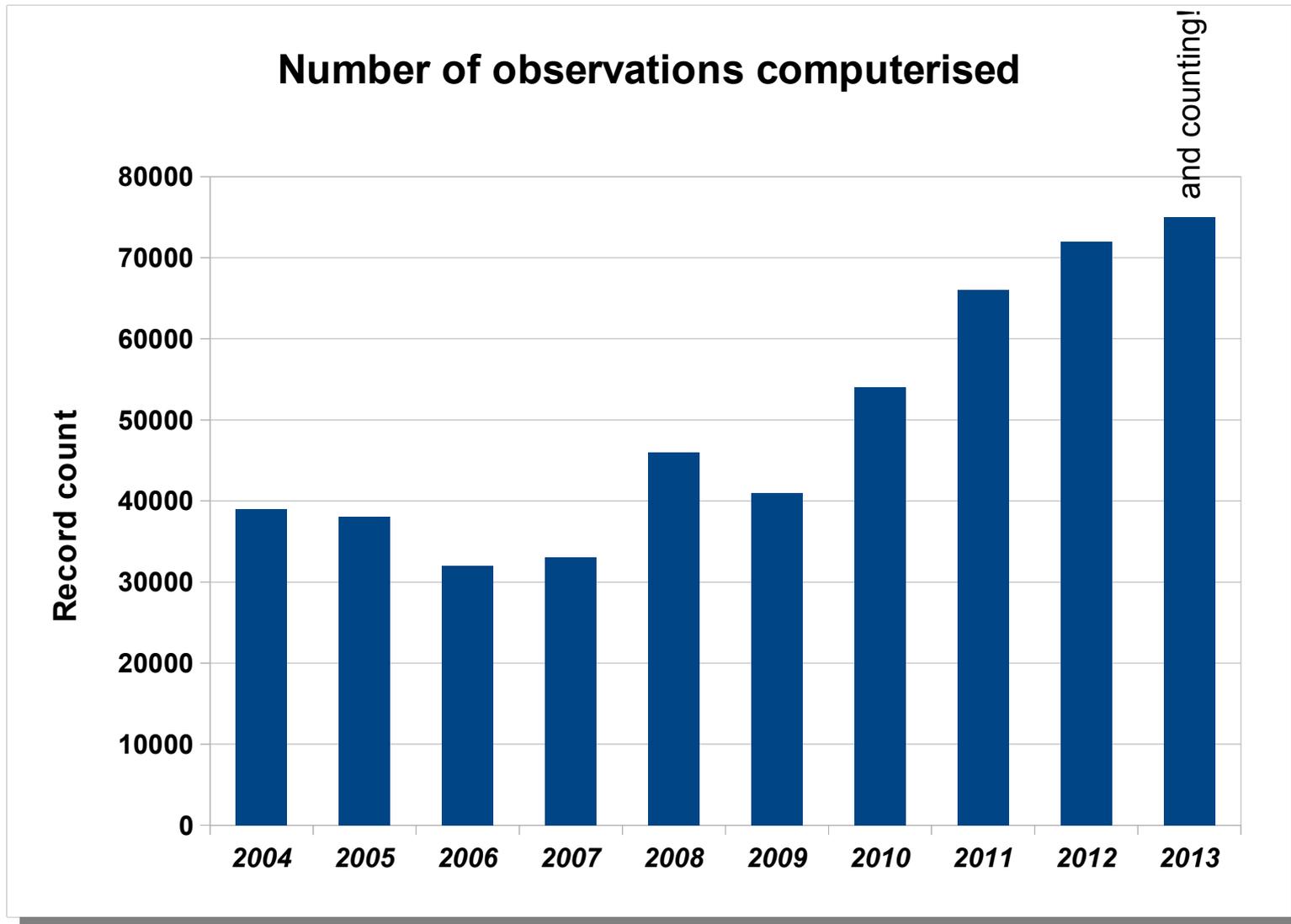
Data collection: engaging the citizenry

Levels of engagement



Data collection: engaging the citizenry

Levels of data capture



Data collection: engaging the citizenry

Threatened Plants Project

Aim: to gather detailed information on Red List species from sites selected across their British range

Population sizes, extents and exact locations (with mapping)

Details of habitat, vegetation communities and associated species

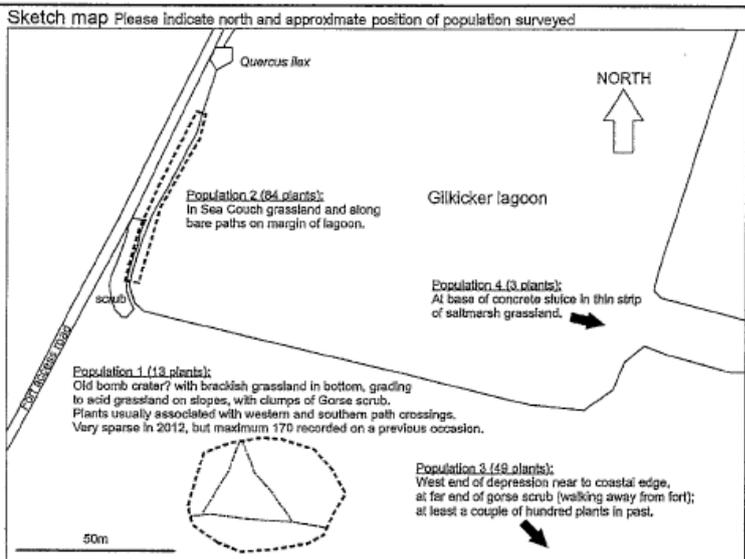
Past and current management at site, site condition

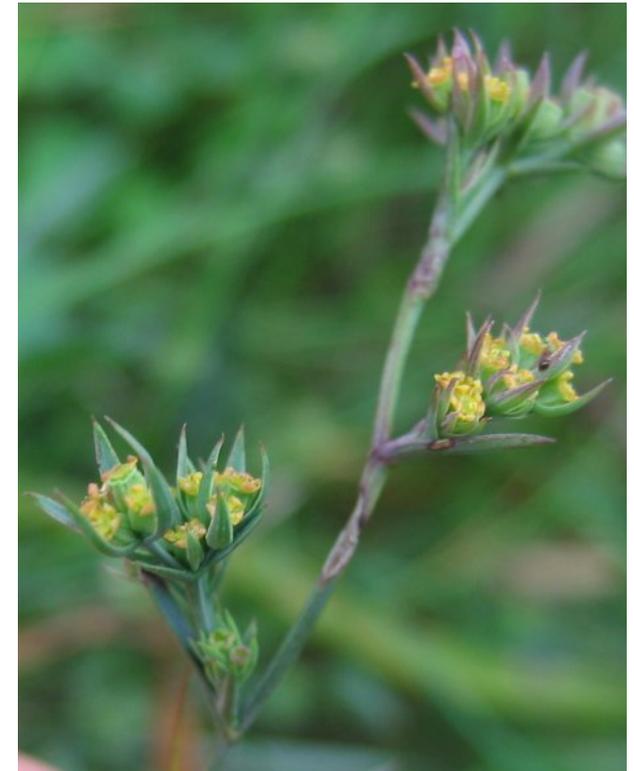
Assessment of threats



Data collection: engaging the citizenry

Threatened Plants Project

Grid reference(s) Please record presence in 100m or 10m grid cells. Continue on reverse if necessary										Sketch map Please indicate north and approximate position of population surveyed						
Population 1																
S	Z	6	0	7	8	9	7	5	2							
S	Z	6	0	7	6	9	7	5	5							
S	Z	6	0	7	6	9	7	5	6							
S	Z	6	0	7	7	9	7	5	6							
Population 2																
S	Z	6	0	7	4	9	7	6	5							
S	Z	6	0	7	5	9	7	6	6							
S	Z	6	0	7	4	9	7	6	4							
Population 3																
S	Z	6	0	8	9	9	7	5	5							
Population 4																
S	Z	6	0	9	8	9	7	5	9							
Population size		0 (null)								Unit counted		Seedlings		Density e.g. a few plants widely scattered		
		1-10										Rosettes				
		11-100										Clumps/patches				
		101-300										Flowering/fruitlet spikes	yes			
		301-500										Combination of above				
		501-1000										Regeneration	Seedlings		Extent e.g. 50 x 100 m	
		1001-3000											Vegetative			
		3001-10000											Flowering			
		>10000											Fruiting			
Actual number if counted		149 (see map)														
Habitat type				Management				Threats or reason for null record								
Please give brief description of habitat and where known broad habitat, NVC community, soil type, geology, water regime, etc.				Please give brief details of management and whether these are appropriate for the threatened species surveyed				Afforestation <input type="checkbox"/> Agricultural improvement <input type="checkbox"/> Burning <input type="checkbox"/> Lack of management <input type="checkbox"/> Invasive species <input type="checkbox"/> Mineral extraction <input type="checkbox"/> Overgrazing <input type="checkbox"/> Pollution / eutrophication <input type="checkbox"/>								
Population 1 in transition between damp, brackish grassland (SM18 <i>Festuca rubra/Juncus gerardii</i>) (quadrat 2) and dry neutral to acid grassland (somewhere between MG6a and U1d) (quadrat 1); sandy soil.				No management undertaken. See notes under Site history.												
Population 2 in <i>Elytrigia atherice</i> dominated grassland (SM24) (quadrat 3) on gravelly lake margin, in places partly shaded by scrub.																



Data collection: engaging the citizenry

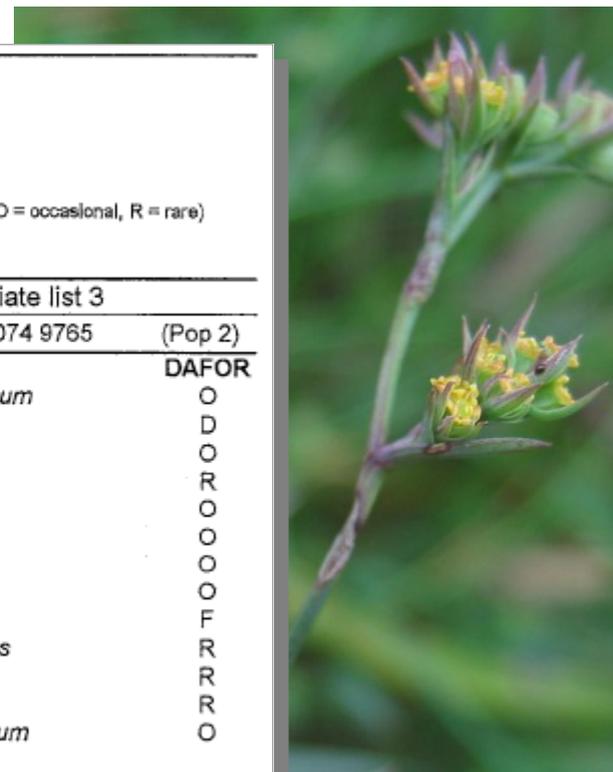
Threatened Plants Project

Associated species within a 1m radius of the target species

Method for recording associated species:

- Select an area where the target species is abundant avoiding areas that include other habitats from which the target species is absent
- Select an individual of the target species and record all species **only within a 1m radius**.
- Record the abundance of all species **including the target species** in this area using the DAFOR scale (D = dominant, A = abundant, F = frequent, O = occasional, R = rare)
- Record extra quadrats where the species occurs over a large area or occurs in more than one vegetation type

Associate list 1		Associate list 2		Associate list 3	
Grid reference: SZ 6076 9755	(Pop 1)	Grid reference: SZ 6076 9756	(Pop 1)	Grid reference: SZ 6074 9765	(Pop 2)
	DAFOR		DAFOR		DAFOR
<i>Bupleurum tenuissimum</i>	R	<i>Bupleurum tenuissimum</i>	O	<i>Bupleurum tenuissimum</i>	O
<i>Festuca rubra</i>	A	<i>Festuca rubra</i>	D	<i>Elytrigia atherica</i>	D
<i>Spiranthes spiralis</i>	R	<i>Senecio jacobaea</i>	R	<i>Plantago coronopus</i>	O
<i>Achillea millefolium</i>	R	<i>Trifolium fragiferum</i>	F	<i>Plantago lanceolata</i>	R
<i>Cynosurus cristatus</i>	F	<i>Daucus carota</i>	O	<i>Pilosella officinarum</i>	O
<i>Lotus corniculatus</i>	F	<i>Poa pratensis</i>	R	<i>Senecio jacobaea</i>	O
<i>Plantago lanceolata</i>	O	<i>Plantago lanceolata</i>	R	<i>Agrostis capillaris</i>	O
<i>Leontodon saxatilis</i>	R	<i>Plantago maritima</i>	O	<i>Trisetum flavescens</i>	O
<i>Plantago coronopus</i>	O	<i>Agrostis stolonifera</i>	R	<i>Festuca rubra</i>	F
<i>Ulex europaeus</i>	O	<i>Leontodon saxatilis</i>	A	<i>Arrhenatherum elatius</i>	R
<i>Agrostis capillaris</i>	A	<i>Festuca arundinacea</i>	R	<i>Festuca arundinacea</i>	R
<i>Anthoxanthum odoratum</i>	R	<i>Centaurea nigra</i>	R	<i>Dactylis glomerata</i>	R
<i>Trisetum flavescens</i>	R	<i>Achillea millefolium</i>	R	<i>Lepidium heterophyllum</i>	O
<i>Arrhenatherum elatius</i>	F				
<i>Trifolium repens</i>	O				
<i>Phleum pratense</i>	R				
<i>Elytrigia atherica</i>	O				



Data collection: engaging the citizenry

Threatened Plants Project

Requires:

Ability to follow recording protocols methodically and consistently

Ability to ID almost all species encountered (vegetatively if necessary)

Appreciation of environmental and management factors

NVC understanding desirable but not essential

Many of the people best able to do the surveys are already fully engaged professionally!



Data collection: engaging the citizenry

Threatened Plants Project

**In Hampshire involved just 7 recorders
over 5 years**

**Mix of professional ecologists and
experienced amateurs**

Resulted in several hundred record sheets
for 36 target species in the county

Produced some interesting spin-offs (e.g.
the mapping of every Juniper bush at
Porton Down)

***No speedy gratification for recorders –
still awaiting the results of a rigorous
appraisal process***



Data collection: engaging the citizenry

But what does all this have to do...



Data collection: engaging the citizenry

But what does all this have to do...



...with invasive non-native plants?

Data collection: engaging the citizenry

Search form Search templates

search for

taxon

grid reference

county/region

date recorded equals

checklist/attributes

bounded area any area type

Current search-form filter
records where taxon *Ambrosia artemisiifolia* L. "Ragweed"

[reset search form](#)

[help...](#)

results table

854 records matched your query.

[<< first](#) [< prev](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next >](#) [last >>](#)

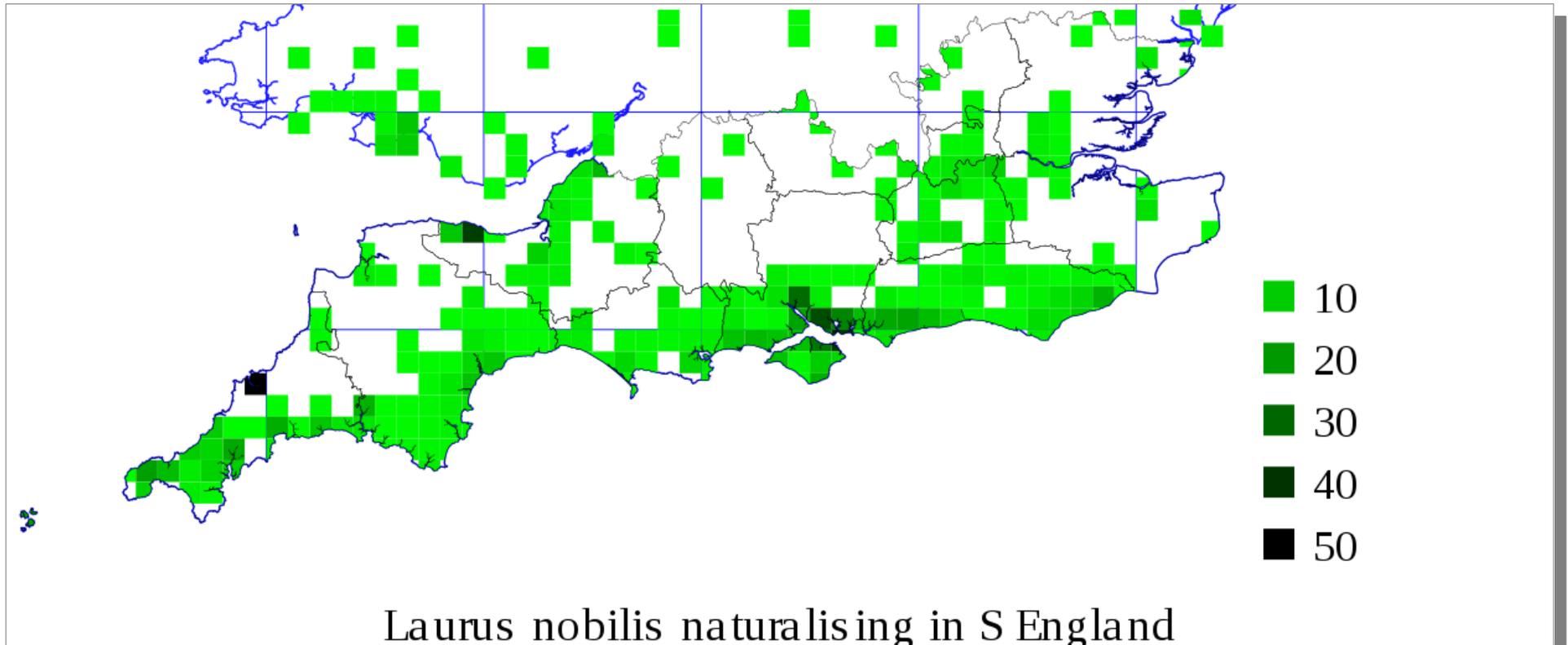
<input type="checkbox"/>	<input type="checkbox"/> record	taxon	recorder	<input type="checkbox"/> vc	locality	grid ref	date	<input type="checkbox"/> status
<input type="checkbox"/>		Ambrosia artemisiifolia	Hiern, W.P.	VC4	VC4 North Devon	SS72	1/10/1897	<input type="checkbox"/>
<input type="checkbox"/>		Ambrosia artemisiifolia	Stevenson, Alastair	VC5	Alcombe	SS9744	2006	<input type="checkbox"/>
<input type="checkbox"/>		Ambrosia artemisiifolia	Stevenson, Alastair	VC5	Alcombe	SS97844490	2006	<input type="checkbox"/>
<input type="checkbox"/>		Ambrosia artemisiifolia	Stevenson, A.	VC5	Alcombe	SS978449	2006	<input type="checkbox"/>
<input type="checkbox"/>		Ambrosia artemisiifolia	Giddens, C.J. Allen, N.V.	VC5	Avill Lane, Dunster	SS984433	25/8/1999	<input type="checkbox"/>
<input type="checkbox"/>		Ambrosia artemisiifolia	Allen, N.V.	VC5	Avill Lane	SS984433	25/8/1999	<input type="checkbox"/>
<input type="checkbox"/>		Ambrosia artemisiifolia	Rowson, Geoffrey R.	VC5	Barcroft, Wrantage	ST304225	29/9/2003	<input type="checkbox"/>
<input type="checkbox"/>		Ambrosia artemisiifolia	Cheek, T.M.	VC5	Bossington Lane	SS894474	1999	<input type="checkbox"/>
<input type="checkbox"/>		Ambrosia artemisiifolia	Cheek, T.M.	VC5	Bossington Lane	SS893475	9/1999	<input type="checkbox"/>

mine the archive!

Data collection: engaging the citizenry



*A measure of
pervasiveness*



Data collection: engaging the citizenry

*Time for a
Threatening Plants
Project?*



Data collection: engaging the citizenry

A Threatening Plants Project might consider:

Species in the “grey zone”

Means of arrival, level of establishment, regeneration

Sizes / extents of populations

Environment, habitat, vegetation communities, associated species – “in the patch”, on the fringes, beyond

Site management and history



Data collection: engaging the citizenry

A Threatening Plants Project would monitor over time!

Colonisation and spread

Progressive effects on environment

Control / eradication – what happened next?

Level of re-establishment

A Threatening Plants Project could involve a sector of the amateur community - with the right measures





Data collection: engaging the citizenry

A few online resources

BSBI Distribution Database

<http://bsbidb.org.uk>

Contact coordinator@bsbi.org.uk for full access rights

GB Non-native Species Secretariat

<http://www.nonnativespecies.org>

Delivering Alien Invasive Species Inventories for Europe (DAISIE)

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

Preslia

<http://www.preslia.cz>

Some of the best coverage of European urban and invasion ecology (in English), many open access articles, others via JSTOR