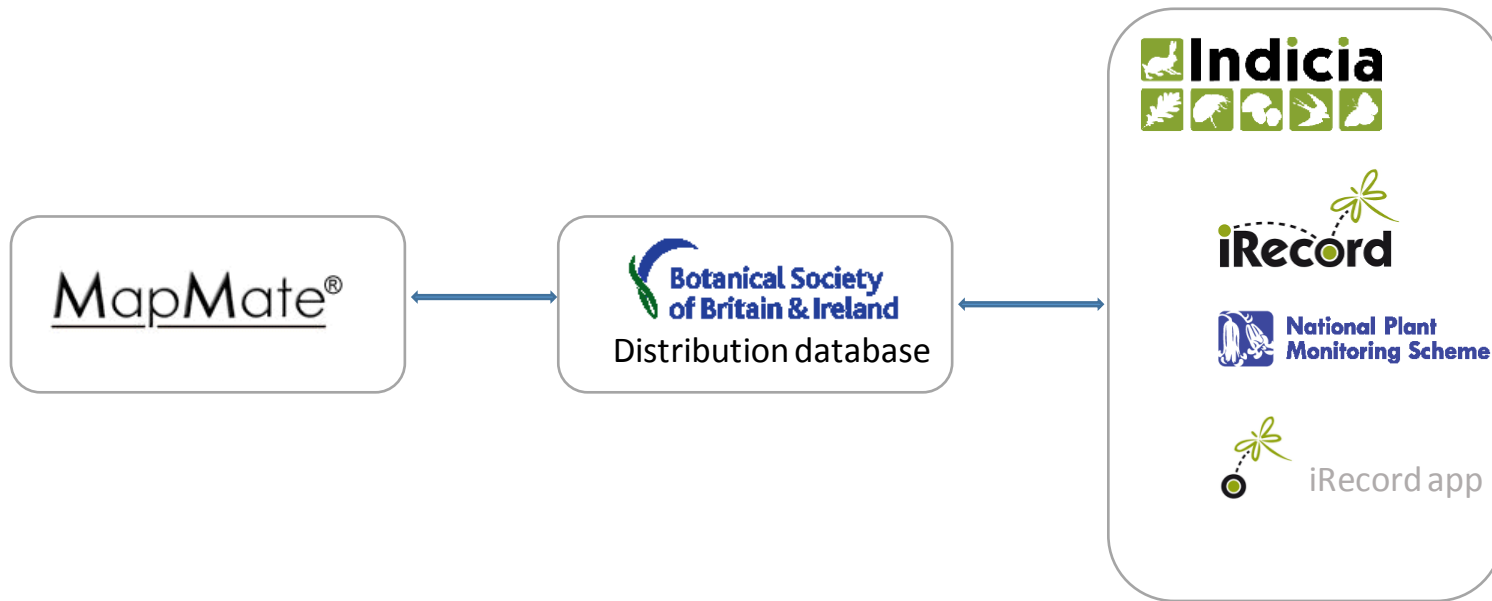


# The BSBI Database: New and planned developments

Tom Humphrey, BSBI DataBase Officer



# Sync'ing with external schemes



- BSBI will continue to provide support *as far as possible*
- Planned improvements to synch process
  - Synch files sent to the hub will soon directly reach the DDb and be loaded immediately
  - Automated email notification once MapMate records reach DDb

*What does a post-MapMate world look like?*

# Alternative systems for data entry

- Directly into the DDb
  - Enhancements coming soon for single-record and bulk data entry
- Recording websites and apps  
(iRecord, LivingRecord etc.)



A recording toolkit developed by BRC

- Open access scheme used for both systematic and casual recording
- Underpins the BSBI's NPMS and also the BSS Urban Flora of Scotland

Automated DDb ⇔ Indicia synchronisation nearly ready



iRecord app

# Mobile recording app for Android and Apple phones and tablets

<

Edit

Daisy

*Bellis perennis*

>

Location

Strathpeffer

NH482582

Date

10/4/2016

>

123

Number

>

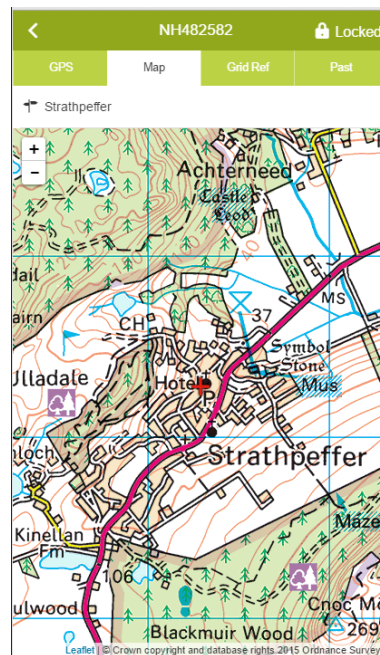
Stage

>

Comment

>

No photo has been added



<

NH482582

Locked

GPS

Map

Grid Ref

Past

Strathpeffer

We will try to determine your location using the inbuilt phone GPS.

Please make sure you have turned the phone's geolocation on and are well away from large objects, e.g. trees, buildings

Strathpeffer

Locate

# Recent updates to the DDb

- Bulk editing

The screenshot shows a web browser window with the URL `bsbidb.org.uk/search.php#retrievesaved=0.13b0d&query=40ff1a2c1627dc`. The page displays a table of records with columns for selection, image, species name, author, VC78, locality, grid reference, date, and a gear icon. The records listed are:

		Species	Author	VC78	Locality	Grid Reference	Date	
<input checked="" type="checkbox"/>		<i>Epilobium hirsutum</i>	Gaskell, L. Velander, K.	VC78	Blyth Bridge	NT12H	28/5/2011	
<input checked="" type="checkbox"/>		<i>Epilobium montanum</i>	Gaskell, L. Velander, K.	VC78	Blyth Bridge	NT12H	28/5/2011	
<input checked="" type="checkbox"/>		<i>Equisetum arvense</i>	Gaskell, L. Velander, K.	VC78	Blyth Bridge	NT12H	28/5/2011	
<input checked="" type="checkbox"/>		<i>Equisetum palustre</i>	Gaskell, L. Velander, K.	VC78	Blyth Bridge	NT12H	28/5/2011	
<input checked="" type="checkbox"/>		<i>Erophila verna s.l.</i>	Gaskell, L. Velander, K.	VC78	Blyth Bridge	NT12H	28/5/2011	
<input checked="" type="checkbox"/>		<i>Fagus sylvatica</i>	Gaskell, L. Velander, K.	VC78	Blyth Bridge	NT12H	28/5/2011	
<input checked="" type="checkbox"/>		<i>Festuca ovina agg.</i>	Gaskell, L. Velander, K.	VC78	Blyth Bridge	NT12H	28/5/2011	
<input checked="" type="checkbox"/>		<i>Festuca rubra agg.</i>	Gaskell, L. Velander, K.	VC78	Blyth Bridge	NT12H	28/5/2011	

Below the table, there are navigation links: `<< first < prev 1 2 3 4 next > last >>`. A green box contains the following controls:

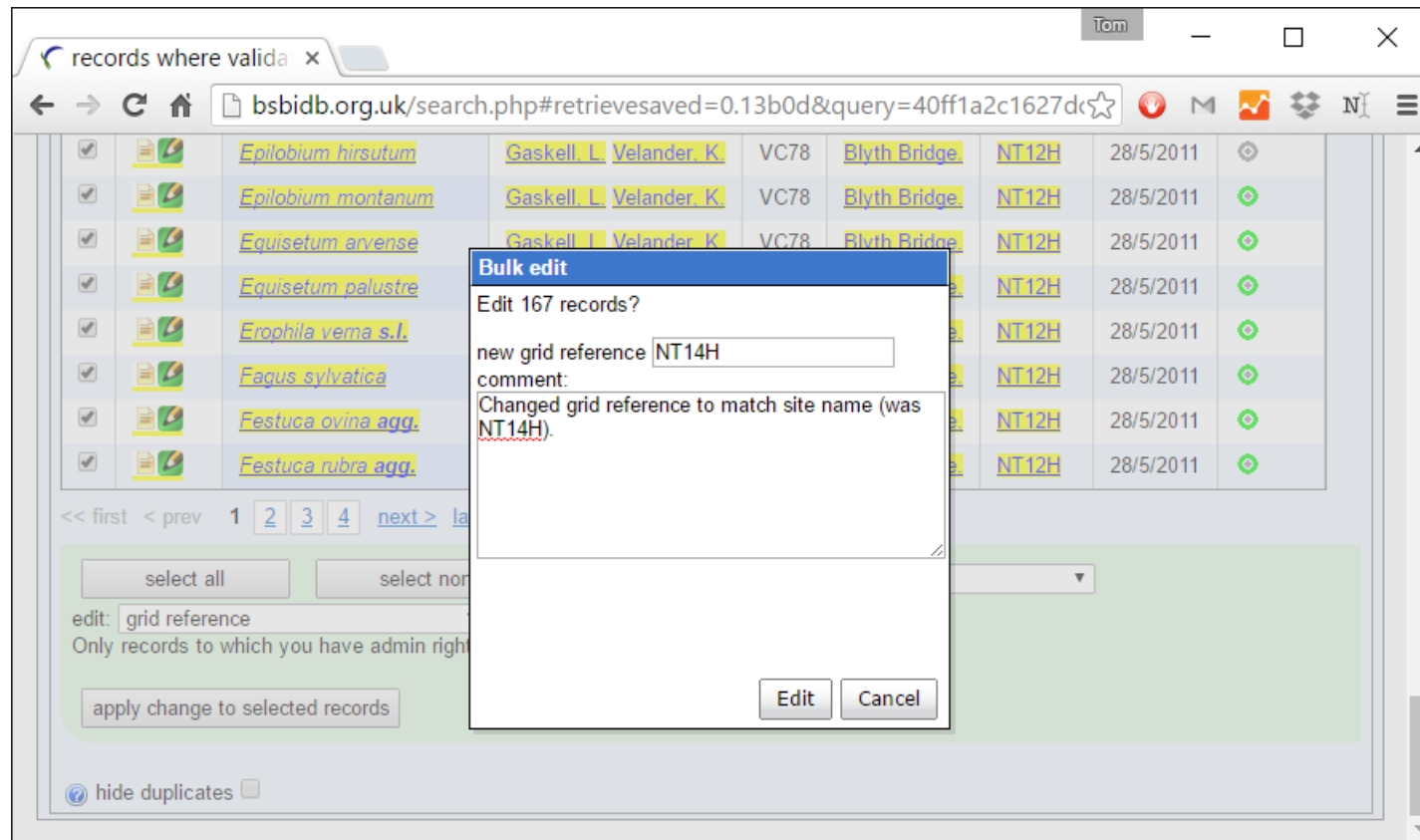
- selected records action
- edit:
- Only  can be updated.
- 

A dropdown menu is open, showing the following options:

- grid reference
- convert monads to tetrads
- convert monads to quadrants
- convert 6-fig references to tetrads
- convert 6-fig references to quadrants
- convert 6-fig references to monads
- gridreference type or precision
- delete grid-reference
- date
- change taxon name
- change locality
- change vicecounty

# Recent updates to the DDb

- Bulk editing





# Recent updates to the DDb

- Validation tools
  - Distance-based singletons

Search form

Search templates

search for Records (specimens or observations) ▼

taxon

Carex acutiformis

grid reference

grid square

county/region

VC

singleton

single record within specified radius (at species level or above) ▼ radius (km) 50

more options ▼

Current search-form filter

records where taxon [Carex acutiformis](#) Ehrh. "Lesser Pond-sedge" and single record within 50km radius (at species level or above)

display results

email results

download results

save query

[reset search form](#)

[help...](#)

results table

download

printable map

zoomable map

help

12 records matched your query.

		taxon	recorder	VC	locality	grid ref	date	status
<input type="checkbox"/>		<a href="#">Carex acutiformis</a>		VCH35	<a href="#">VCH35 West Donegal</a>	<a href="#">B93</a>	1950-1969	
<input type="checkbox"/>		<a href="#">Carex acutiformis</a>		VC110	<a href="#">Baleshare</a>	<a href="#">NF76</a>	1944	
<input type="checkbox"/>		<a href="#">Carex acutiformis</a>	<a href="#">Heslop Harrison, J.W.</a>	VC110	<a href="#">Baleshare, North Uist</a>	<a href="#">NF76</a>	1944	
<input type="checkbox"/>		<a href="#">Carex acutiformis</a>	<a href="#">Stelfox, A.W.</a>	VCH1	<a href="#">Stradbally</a>	<a href="#">Q51</a>	3/6/1946	
<input type="checkbox"/>		<a href="#">Carex acutiformis</a>	<a href="#">Heslop Harrison, J.W.</a>	VC110	<a href="#">Isle of Baleshare, North Uist</a>	<a href="#">NF76</a>	8/1942	
<input type="checkbox"/>		<a href="#">Carex acutiformis</a>		VC110	<a href="#">VC110 Outer Hebrides</a>	<a href="#">NF76</a>	1935	
<input type="checkbox"/>		<a href="#">Carex</a>		VC110				

# Recent updates to the DDb

- Validation tools
  - Place-name matching with grid references

Search form

Search templates

search for Records (specimens or observations) ▼

county/region West Inverness-shire,

date recorded from 2000 from for vague record date ranges use start date

hectad status not known status unknown

gridref-placename validation sitename-gridref flagged as suspect (broad match)

more options

Current search records where combination m

sitename-gridref flagged as suspect  
sitename-gridref flagged as suspect (broad match)  
sitename associated with hectads in multiple 100km squares  
sitename associated with hectads in multiple 100km squares (broad match)  
possible site-surname variants given different hectads  
possible duplicate variants given different hectads

ad combination and gridref-placename

display results

email results

download results

save query

[reset search form](#)

[help...](#)

results table

download

printable map

zoomable map

help

6 records matched your query.

	record	taxon	recorder	vc	locality	grid ref	date	status
<input type="checkbox"/>		<a href="#">Pyrola media</a>	<a href="#">Strachan, I.</a>	VC97	<a href="#">Leitir Dhubh, Loch Ossian</a>	<a href="#">NN40216834</a>	5/9/2010	
<input type="checkbox"/>		<a href="#">Juncus bufonius s.s.</a>	<a href="#">Muscott, J. Clarkson, M. Murray, J.</a>	VC97	<a href="#">Allt Beithe</a>	<a href="#">NM6651</a>	28/8/2013	
<input type="checkbox"/>		<a href="#">Cochlearia officinalis agg.</a>	<a href="#">Strachan, Ian</a>	VC97	<a href="#">Camas Ban</a>	<a href="#">NG9106</a>	11/8/2012	
<input type="checkbox"/>		<a href="#">Symphoricarpos albus</a>	<a href="#">Muscott, J. Clarkson, M. Murray, J.</a>	VC97	<a href="#">Allt Beithe</a>	<a href="#">NM6651</a>	28/8/2013	

# Recent updates to the DDb

- Improvement to searches for people and places

Search form

Search templates

search for ⓘ Records (specimens or observations) ▼

taxon ⓘ

taxon name

✕

+

grid reference ⓘ

grid square

▼

✕

+

county/region ⓘ

vc

✕

+

recorder ⓘ

any role

▼

Mick J Crawley

broad match

▼

✕

+

place name ⓘ

Strathpeffer

broad match

▼

✕

+

more options ▼

Current search-form filter

records where associated with Mick J Crawley and from Strathpeffer (broad match)

display results

email results

download results

save query

[reset search form](#)

[help...](#)

results table

download

printable map

zoomable map

help

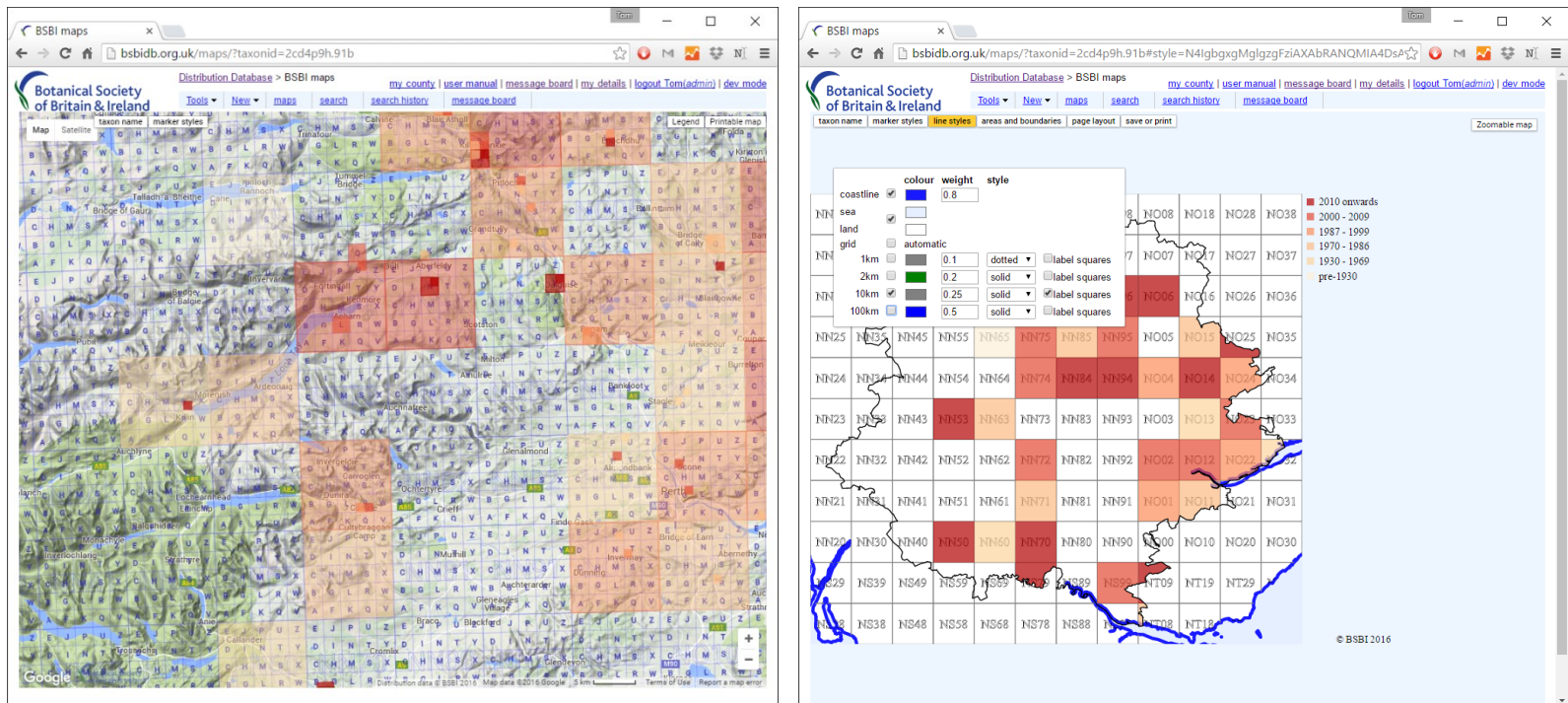
201 records matched your query.

<< first < prev 1 2 3 4 5 next > last >>

ⓘ	ⓘ record	taxon	recorder	ⓘ vc	locality	grid ref	date	ⓘ status
<input type="checkbox"/>		<a href="#">Cardamine hirsuta</a>	<a href="#">Crawley, M.J.</a>	VC106	<a href="#">Strathpeffer town</a>	<a href="#">NH45</a>	29/8/1998	ⓘ
<input type="checkbox"/>		<a href="#">Vinca minor</a>	<a href="#">Crawley, M.J.</a>	VC106	<a href="#">Strathpeffer town</a>	<a href="#">NH45</a>	29/8/1998	ⓧ
<input type="checkbox"/>		<a href="#">Arrhenatherum elatius</a>	<a href="#">Crawley, M.J.</a>	VC106	<a href="#">Strathpeffer town</a>	<a href="#">NH45</a>	29/8/1998	ⓘ
<input type="checkbox"/>		<a href="#">Bellis perennis</a>	<a href="#">Crawley, M.J.</a>	VC106	<a href="#">Strathpeffer town</a>	<a href="#">NH45</a>	29/8/1998	ⓘ
<input type="checkbox"/>		<a href="#">Tripleurospermum inodorum</a>	<a href="#">Crawley, M.J.</a>	VC106	<a href="#">Strathpeffer town</a>	<a href="#">NH45</a>	29/8/1998	ⓧ
<input type="checkbox"/>		<a href="#">Plantago major</a>	<a href="#">Crawley, M.J.</a>	VC106	<a href="#">Strathpeffer town</a>	<a href="#">NH45</a>	29/8/1998	ⓘ
<input type="checkbox"/>		<a href="#">Lupinus albus</a>	<a href="#">Crawley, M.J.</a>	VC106	<a href="#">Strathpeffer town</a>	<a href="#">NH45</a>	29/8/1998	ⓘ

# Recent updates to the DDb

- Labelled map grid-squares



*Will also allow value-labelled squares soon*

# DDb updates coming soon

- Integration of records and meta-data from Herbarium@home

The screenshot shows the herbaria@home website homepage. At the top is a navigation bar with links: [home](#), [search specimens](#), [botanists](#), [projects](#), [about](#), and [help](#). Below the navigation bar is a 'Welcome' section with a brief description of the project and a 'Start transcribing' button. To the right is a 'Current progress' section stating '476 volunteers have documented 105440 specimens so far.' Below this is a 'Recently documented' section featuring a large image of a herbarium specimen. On the left side, there is a 'Current collections and projects' section with a table of 'Available specimens' and 'Completed sheets'. The table lists various institutions and the number of sheets they have contributed. At the bottom left, there is a 'Botanical Society of Britain & Ireland' logo and a note about the project's co-ordination.

project	complete/available total: sheets
collection (other completed sets)	complete/available total: sheets
Completed sheets	111004

collection	sheets
Museum of Birmingham	(17888)
British Museum	(10311)
Smithsonian Institution	(88)
University of Cambridge	(81)
University of Edinburgh	(47911)
University of Exeter	(1020)
University of Glasgow	(10274)
University of Hull	(5004)
University of London	(382)
University of Manchester	(5004)
University of Oxford	(1105)
University of Reading	(275)
University of Sheffield	(231)
University of Southampton	(6718)
University of Stirling	(15)
University of Warwick	(177)
University of York	(3068)
University of York	(5447)
University of York	(281)
University of York	(879)
University of York	(164)
University of York	(1607)
University of York	(1000)

The screenshot shows the herbaria@home website profile page for J. Fraser. The page features a header with the 'herbaria@home' logo and a navigation bar with links: [home](#), [search specimens](#), [botanists](#), [projects](#), [about](#), and [help](#). Below the header is a 'Welcome' section with a brief description of the project and a 'Start transcribing' button. To the right is a 'Current progress' section stating '476 volunteers have documented 105440 specimens so far.' Below this is a 'Recently documented' section featuring a large image of a herbarium specimen. On the left side, there is a 'Current collections and projects' section with a table of 'Available specimens' and 'Completed sheets'. The table lists various institutions and the number of sheets they have contributed. At the bottom left, there is a 'Botanical Society of Britain & Ireland' logo and a note about the project's co-ordination.

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University of Southampton	(6718)
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University of York	(3068)
University of York	(5447)
University of York	(281)
University of York	(879)
University of York	(164)
University of York	(1607)
University of York	(1000)

# DDb updates coming soon

- More tools on the 'My County' & 'My MapMate' pages:

e.g. quick-links to retrieve summaries of  
rare, singleton, out-of-range

# DDb updates coming soon

- Speed improvements for the printable maps
- ‘My Records’ – personal version of the current ‘My county’ and ‘My MapMate’ reports

# Priorities for future updates

What would you like to see?

- Usability
- Tools
  - Reporting
  - Validation
- Data entry
- Data flow