

# AKN-1.0-Species

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## Species List and Search Web Service API

### API

This API provides a way to find out what species **for which we hold data**.

URL	description	status	notes
ws/data/species/list	Return entire list of species names	deployed	
ws/data/species/find?match=<string to match>	Return species that match query string	deployed	No wildcard yet implemented in the matching string.

parameter	required	default	value options	description
dataService	-proposed-	-proposed-	-proposed-	-proposed-
collection	no	n/a	see <a href="#">AKN-1.0-Collections</a>	limits search for the species name to a certain collection
match	yes, for /find	n/a		string to use in matching against sci. name (and common name?); are wildcard allowed in the match string?
locale	no	en_US	Java standard locale codes	locale in which to provide names in response and in which to match query string (when possible)
format	no	csv	<ul style="list-style-type: none"><li>• csv</li><li>• xml</li></ul>	format to use for response

### Test URLs

Development URL	Deployed URL	Expected Response	Notes
<a href="http://localhost/ws/data/species">http://localhost/ws/data/species</a>	<a href="http://ebird.org/ws1.0/data/species">http://ebird.org/ws1.0/data/species</a>	entire list in CSV format	Generates 404 error.
<a href="http://localhost/ws/data/species/list">http://localhost/ws/data/species/list</a>	<a href="http://ebird.org/ws1.0/data/species/list">http://ebird.org/ws1.0/data/species/list</a>	entire list in CSV format	"csv" is the default format.
<a href="http://localhost/ws/data/species/list?format=xml">http://localhost/ws/data/species/list?format=xml</a>	<a href="http://ebird.org/ws1.0/data/species/list?format=xml">http://ebird.org/ws1.0/data/species/list?format=xml</a>	entire list in XML format	
<a href="http://localhost/ws/data/species/list?format=csv">http://localhost/ws/data/species/list?format=csv</a>	<a href="http://ebird.org/ws1.0/data/species/list?format=csv">http://ebird.org/ws1.0/data/species/list?format=csv</a>	entire list in CSV format	
<a href="http://localhost/ws/data/species/list?format=QQQ">http://localhost/ws/data/species/list?format=QQQ</a>	<a href="http://ebird.org/ws1.0/data/species/list?format=QQQ">http://ebird.org/ws1.0/data/species/list?format=QQQ</a>	entire list in CSV format	Bad format value is ignored and defaulted to csv.
<a href="http://localhost/ws/data/species/list?format=XML">http://localhost/ws/data/species/list?format=XML</a>	<a href="http://ebird.org/ws1.0/data/species/list?format=XML">http://ebird.org/ws1.0/data/species/list?format=XML</a>	entire list in CSV format	"XML" is not a valid format option. Only "xml" and "csv" are valid options.
<a href="http://localhost/ws/data/species/find?match=streptopelia">http://localhost/ws/data/species/find?match=streptopelia</a>	<a href="http://ebird.org/ws1.0/data/species/find?match=streptopelia">http://ebird.org/ws1.0/data/species/find?match=streptopelia</a>	CSV list of species	
<a href="http://localhost/ws/data/species/find?match=streptopelia&amp;format=xml">http://localhost/ws/data/species/find?match=streptopelia&amp;format=xml</a>	<a href="http://ebird.org/ws1.0/data/species/find?match=streptopelia&amp;format=xml">http://ebird.org/ws1.0/data/species/find?match=streptopelia&amp;format=xml</a>	XML list of species	
<a href="http://localhost/ws/data/species/find?match=STREPTOPELIA">http://localhost/ws/data/species/find?match=STREPTOPELIA</a>	<a href="http://ebird.org/ws1.0/data/species/find?match=STREPTOPELIA">http://ebird.org/ws1.0/data/species/find?match=STREPTOPELIA</a>	CSV list of species	There should be no difference in response for upper/lower case search strings.
<a href="http://localhost/ws/data/species/list?format=">http://localhost/ws/data/species/list?format=</a>	<a href="http://ebird.org/ws1.0/data/species/list?format=">http://ebird.org/ws1.0/data/species/list?format=</a>	entire list in CSV format	Bad format value is ignored and defaulted to csv.
<a href="http://localhost/ws/data/species/find?match=">http://localhost/ws/data/species/find?match=</a>	<a href="http://ebird.org/ws1.0/data/species/find?match=">http://ebird.org/ws1.0/data/species/find?match=</a>	empty list in CSV format	

### CSV Result Format

```
<sci. name>, <common name>
<sci. name>, <common name>
<sci. name>, <common name>
```

## XML Result Format

```
<response>
  <header>
    <locale country="US" language="en" />
    <timestamp>2008-02-21T12:37:32.546-05:00</timestamp>
    <criteria>
      <property name="match" value="kldsfsd" />
      <property name="dataService" value="dskfjsdklfj" />
      <property name="collection" value="dsafsfsdkljfslkfj" />
    </criteria>
    <comment>
    </comment>
  </header>
  <result>
    <species>      <scientific-name>XXXXX</scientific-name>      <common-name>YYYYY</common-name>      </species>
    <species>      <scientific-name>XXXXX</scientific-name>      <common-name>YYYYY</common-name>      </species>
    <species>      <scientific-name>XXXXX</scientific-name>      <common-name>YYYYY</common-name>      </species>

  </result>
</response>
```