## Adding country/state species distribution in the World Auchenorrhyncha Database

A distribution record requires three pieces of information: Source, OTU and Geographic Area. Before entering distribution, it is recommended to add a Source to the **Pin Board**. There are two ways to enter species distribution.

## Option 1.

 Use Browse nomenclature task. Search for a species name. By default, the page is loaded and redirected to the valid protonym name. If it is desirable to add distribution to a synonym, click on the synonym name in the list of History. The selected and active name will be listed at the top of History.

(ATA)

OTU

2. Use **OUT quick form** button **distribution** sector

d classification	Asserted Distributions	
1 Contents	A > Pterygol sybinae > E Quick Recent Pinboard Search	Ctone last
Common names 2 Biological associations Typhicoyob	<ul> <li>Erasn</li> <li>Cao, YH. (2014) Taxonomy and phylogeny of the de Haas, M.C., Den Bieman, K.F.M., Viraktamath, Hsu, MH., Wu, ML. &amp; Wang, LJ. (2024) Host F Makino, H., Shimizu, A., Kubota, H., Yoshimura, J. S Jat, M. (2022) Biosystematic studies on subfamily Ev Jat, M. (2022) Biosystematic studies on subfamily Ev</li> </ul>	e selected erythroneurine genera Worldwide (Hemiptera: Cicadelli. C.A., Lind, E., Kunz, G. & Holzinger, W.E. (2024) The Indian leafho Plants for the Lanternfly Saiva formosana Kato, 1929 (Hemiptera, . & Ito, H. (2024) Ants prey on cicada hatchlings. Journal of Natur Iy Evacanthinae (Hemiptera: Cicadellidae) from India. ICAR-India vacanthinae (Hemiptera: Cicadellidae) from India. ICAR-India
Typhlocyba vulneata (sw., 22 corry (misspelling of <i>t</i> Erythroneura vulnerata vulnerata Fitch, 1851 <i>in</i> McAtee	ythroneura v. Agricultural Research Institute, New Delhi, 95 + xxv 1920a: 273. 46 / Is original Is absent	pp. + 38 pls. PhD thesis.
	Geographic area	
Erythroneura (Erasmoneura) vulnerata Fitch, 1851 in Yo	ung, 1952b: 8: Quick Recent Pinboard Map	
Erasmoneura vulnerata (Fitch, 1851) in Dietrich & Dmit	ev, 2006a: 14	
Erythroneura gradata Robinson, 1924 (subjective synor	m of Erythron	

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and select Asserted

- 3. One the top, the OTU name is already selected.
- 4. Select source by using search box or if the source pinned, use blue Pin button to retrieve the source from the Pin Board. A source could also be selected from the list of Recently used Sources. Please make sure that the correct source is selected before entering the distribution. Once selected, the Source could be locked, and it will be used in the future for the next distribution entry even if the Taxon gets changed in the Browse nomenclature window.

- 5. Enter the **page number**. **Is original** option is used to indicate that the species is recorded for the first time from this particular area. By default, it is unselected. **Is absent** option is used to indicate that the species is not occurring in this area, when it was previously reported by mistake. Instead of deleting previously reported records, a new record will be created and the area will be shaded on the map to indicate that the species was recorded from some are, but it is probably a mistake.
- 6. Select the Geographic area by searching the Country or the State name. TaxonWorks has multiple gazetteers uploaded to the system. Although the same area could be selected using different gazetteers, it is desirable to always select the area with an associated shape and the one which was previously used in the project. For example, when searching for Illinois:

	Illinois					
United States: Illinois Unknown without shape						
N	Northern America: North-Central U.S.A.: Illinois TDWG Level 3 has shape					
M	North-Central U.S.A.: Illinois: Illinois TDWG Level 4 has shape					
ι	Inited States of America: Illinois State has shape 972 uses					

- 7. Once selected, the shape will be displayed on the map for preview.
- 8. Once the Geographic area is selected, the record is saved automatically. If the country/state record already exists for this species, a new citation will be added to an existing record instead of creating a duplicate distribution record.

## Option 2.

1. Using special Task – **New asserted distribution.** 

Source     New     Otu     Geographic area       Quick     Recent     Pinboard     Image: Constant     Image: Constan	w record					Autosave	Create
Quick       Recent       Pinboard       Major       Search         Coo, YH. (2014) Taxonomy and phylogeny of the selected erythroneurine genera Worldwide (       Gathilicus Windkamath & Wesley, 1988 J       Constant & Semerary, 2024 J       Search       Search       Search         Hou, MH., Wu, ML. & Wang, L-J. (2024) Host Plants for the Lanterfly Sair dormosana Kato,       Batbilius indicus Vinsklamath & Wesley, 1988 J       Constant & Semerary, 2024 J       Sri Lanka       Mainpur         Jat. M. (2022) Biosetematic Studied on subdimide for constant (del for non,       Ophiachus princeps Distant, 1918 J       Cophiachus princeps Distant, 1918 J       West Benefal	Source	New	Otu		Geographic area		
Search       Q       Select an OTU       Search         Cao, YH. (2014) Taxonomy and phylogeny of the selected erythroneunine genera Worldwide (       O       Balbillus indicus Viraldamath & Wesley, 1983 /       O         de Heas, M.C., Den Bieman, K.F.M., Viraktamath, C.A., Lind, E., Kunz, G. & Holzinger, W.E. (2024       O       Remotyche hortorum Constant & Semeraro, 2024 /       O       Marinour         Hsu, MH., Wu, ML. & Wong, LJ. (2024) Host Plants for the Lanternfly Saive formosana Kato,       O       Krana nigrocifca Viraktamath & Wesley, 1988 /       O sri Lanka         Jat. M. (2022) Biosetematic Structure formices ro.code/lite/shorthur       O phuchus princeps Distant, 1918 /       O west Beneal	Quick Recent Pinboard	Clone last	Quick Recent Pinboard	0	Quick Recent Pinbo	ard Map	06
○ Cao, YH. (2014) Taxonomy and phylogeny of the selected erythroneurine genera Worldwide (       ○ Batbillus indicus Viraktamath & Wesley, 1988) ✓       ○ Kerala         ○ de Haas, M.C., Den Bieman, K.F.M., Viraktamath, C.A., Lind, E., Kunz, G. & Holzinger, W.E. (2024       ○ Ratbillus indicus Viraktamath & Wesley, 1988) ✓       ○ Kerala         ○ Hau, MH., Wu, ML. & Weng, LJ. (2024) Host Plants for the Lanterfly Saiva formosana Kato,       ○ Ratbillus indicus Viraktamath & Wesley, 1988) ✓       ○ Si Lanka         ○ Maino, H., Shimizu, A., Kubota, H., Yoshimizu, Califica, Yoshimizu, Yashimizu, A., Kubota, H., Yoshimizu, Califica, Yoshimizu, Yashimizu, Yash	Search	Q	Select an OTU	Q	Search		
O Stepstortor subhimalava Viraktamath & Wesley, 1988	<ul> <li>Cao, YH. (2014) Taxonomy and phylogeny of the selected erythroneurine genera Worldwide (</li> <li>de Haas, M.C., Den Biernan, K.F.M., Viraktamath, C.A., Lind, E., Kunz, G. &amp; Holzinger, W.E. (2024</li> <li>Hsu, MH., Wu, ML. &amp; Wang, LJ. (2024) Host Plants for the Lanternfly Saiva formosana Kato,</li> <li>Makino, H., Shimizu, A., Kubota, H., Yoshimura, J. &amp; Ito, H. (2024) Ants prey on cicade hatchling</li> <li>Jat, M. (2022) Biosystematic studies on subfamily Evacanthinae (Hemiptera: Cicadellidae) from</li> </ul>		Balbillus indicus Viraktamath & Wesley, 1988     Fernatyche hortorum Constant & Semeraro, 2024     Kana nigropicta Viraktamath & Wesley, 1988     Ophischus princeps Distant, 1918     Steachard and Ministry Viraktamath & Studies, 1989		<ul> <li>○ Kerala</li> <li>○ Manipur</li> <li>○ Sri Lanka</li> <li>○ Tamil Nadu</li> <li>○ West Bengal</li> </ul>		

2. The task has 3 areas to select the Source, OTU and Geographic area. Each of the three sections could be locked. For example, you can lock the source and OUT or Source and geographic area. When Source and OTU are selected, picking the

geographic area will automatically save a new record. If the Source and Geographic area are selected, selecting OTU will not automatically save the record, please use **Create** button.

The distribution record once updated will be automatically visible in the Browse OTU page and in the public TaxonPages.