

eBird

Exploring eBird & Citizen Science – Links to Find out More

eBird web site www.ebird.org **All About Birds** www.allaboutbirds.org **Birds of North America** birdsna.org

Project Feeder Watch
www.feederwatch.org

Great Backyard Bird Count
gbbc.birdcount.org

Nest Watch
www.nestwatch.org

National Audubon
www.audubon.org

Audubon New York
www.ny.audubon.org

Audubon's Plants for Birds outreach
www.audubon.org/plantsforbirds

Mobile Apps

eBird – to enter lists for both IOS and Android **Merlin** – app to ID birds from pictures!

FREE Audubon Guides: Birds – with bird pictures/sounds & easier access to eBird data

Impact of eBird

State of the Birds

www.stateofthebirds.org

eBird and Hundred Million Points of Light

<https://www.allaboutbirds.org/a-hundred-million-points-of-light/>

Dynamic Migration Map of 118 Bird Species

www.allaboutbirds.org/mesmerizing-migration-watch-118-bird-species-migrate-across-a-map-of-the-western-hemisphere/

Selected Studies using eBird

Exploring spatiotemporal variation in migration phenology

ebird.org/content/ebird/news/hurlbert_plos_2012/

Hurlbert AH, Liang Z (2012) Spatiotemporal Variation in Avian Migration Phenology: Citizen Science Reveals Effects of Climate Change. PLoS ONE 7(2): e31662. doi:10.1371/journal.pone.0031662

Using open access observational data for conservation action: A case study for birds

www.allaboutbirds.org/9-ways-people-have-used-ebird-data-to-make-conservation-happen

Sullivan, B.L., T. Phillips, A.A. Dayer, C.L. Wood, A. Farnsworth, M.J. Iliff, I.J. Davies, A. Wiggins, D. Fink, W.M. Hochachka, A.D. Rodewald, K.V. Rosenberg, R. Bonney, and S. Kelling. 2016. Using open access observational data for conservation action: A case study for birds, *Biological Conservation*. doi:10.1016/j.biocon.2016.04.031

Can Observation Skills of Citizen Scientists Be Estimated Using Species Accumulation Curves

www.ebird.org/content/ebird/news/plos2015/

Kelling S, Johnston A, Hochachka WM, Iliff M, Fink D, Gerbracht J, et al. (2015) Can Observation Skills of Citizen Scientists Be Estimated Using Species Accumulation Curves? PLoS ONE 10(10): e0139600. doi:10.1371/journal.pone.0139600

Updated Listing of Publications Utilizing eBird data

<https://ebird.org/science/publications>

2016 eBird Species Mapping – Species # Key

<https://www.allaboutbirds.org/mesmerizing-migration-watch-118-bird-species-migrate-across-a-map-of-the-western-hemisphere/>

1. Acadian Flycatcher
2. Alder Flycatcher
3. American Golden-Plover
4. American Redstart
5. Baird's Sandpiper
6. Baird's Sparrow
7. Baltimore Oriole
8. Bay-breasted Warbler
9. Bicknell's Thrush
10. Black Turnstone
11. Black-and-white Warbler
12. Black-billed Cuckoo
13. Blackburnian Warbler
14. Black-headed Grosbeak
15. Blackpoll Warbler
16. Black-throated Blue Warbler
17. Black-throated Green Warbler
18. Blue-headed Vireo
19. Blue-winged Warbler
20. Bobolink
21. Brown-chested Martin
22. Brown-crested Flycatcher
23. Buff-breasted Sandpiper
24. Bullock's Oriole
25. Calliope Hummingbird
26. Canada Warbler
27. Cape May Warbler
28. Cassin's Vireo
29. Cerulean Warbler
30. Chestnut-collared Longspur
31. Chestnut-sided Warbler
32. Chimney Swift
33. Cinnamon-bellied Ground-Tyrant
34. Clay-colored Sparrow
35. Common Nighthawk
36. Connecticut Warbler
37. Crowned Slaty Flycatcher
38. Dark-faced Ground-Tyrant
39. Dusky Flycatcher
40. Eastern Kingbird
41. Eastern Wood-Pewee
42. Fork-tailed Flycatcher
43. Golden-crowned Sparrow
44. Golden-winged Warbler
45. Gray-cheeked Thrush
46. Gray-crowned Rosy-Finch
47. Great Crested Flycatcher
48. Hammond's Flycatcher
49. Harris's Sparrow
50. Hermit Thrush
51. Hermit Warbler
52. Indigo Bunting
53. Kentucky Warbler
54. Lapland Longspur
55. Lazuli Bunting
56. Le Conte's Sparrow
57. Least Flycatcher
58. Least Seedsnipe
59. Louisiana Waterthrush
60. MacGillivray's Warbler
61. Magnolia Warbler
62. Mourning Warbler
63. Nashville Warbler
64. Nelson's Sparrow
65. Northern Parula
66. Northern Waterthrush
67. Ochre-naped Ground-Tyrant
68. Olive-sided Flycatcher
69. Orange-crowned Warbler
70. Orchard Oriole
71. Ovenbird
72. Pacific-slope Flycatcher
73. Palm Warbler
74. Pectoral Sandpiper
75. Philadelphia Vireo
76. Prothonotary Warbler
77. Purple Martin
78. Purple Sandpiper
79. Red-eyed Vireo
80. Rose-breasted Grosbeak
81. Ruby-throated Hummingbird
82. Rufous Hummingbird
83. Rusty Blackbird
84. Scarlet Tanager
85. Scissor-tailed Flycatcher
86. Small-billed Elaenia
87. Smith's Longspur
88. Solitary Sandpiper
89. Southern Martin
90. Spot-billed Ground-Tyrant
91. Sprague's Pipit
92. Sulphur-bellied Flycatcher
93. Summer Tanager
94. Swainson's Thrush
95. Tennessee Warbler
96. Townsend's Warbler
97. Veery
98. Violet-green Swallow
99. Virginia's Warbler
100. Warbling Vireo
101. Western Kingbird
102. Western Tanager
103. Western Wood-Pewee
104. White-browed Ground-Tyrant
105. White-crested Elaenia
106. White-rumped Sandpiper
107. Willow Flycatcher
108. Wilson's Phalarope
109. Wilson's Warbler
110. Wood Thrush
111. Worm-eating Warbler
112. Yellow Warbler
113. Yellow-bellied Flycatcher
114. Yellow-bellied Sapsucker
115. Yellow-billed Cuckoo
116. Yellow-green Vireo
117. Yellow-rumped Siskin
118. Yellow-throated Vireo