



Western
Centre for Animals
on the Move

**Movement
Mondays**



**Using 'big data' to
unravel the full life
cycle ecology of birds**

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ABSTRACT

'Big data' has revolutionized many fields of research, including ecology, by increasing our understanding of how organisms use their environment and interact with each other. Many of these datasets are openly available to researchers and are being used to unravel the ecology of species throughout their annual cycle. However, the potential of many datasets has yet to be fully explored, and there remains a substantial amount of untapped potential. In this presentation we will explore NatureCounts and Motus - database platforms managed by Birds Canada - which are used to facilitate the standardized collection, management, analysis, and sharing of citizen science monitoring data and remote-sensed movement data, respectively. Learn what makes these database platforms so successful, how they are being used to track the status and trends of birds in Canada, and how you can take advantage of these vast data resources for your own research.

Monday, November 27, 3:30 – 4:30
Location: Collip 112