

Successes and failures of movement ecology in the last decade (And what we can do about it)

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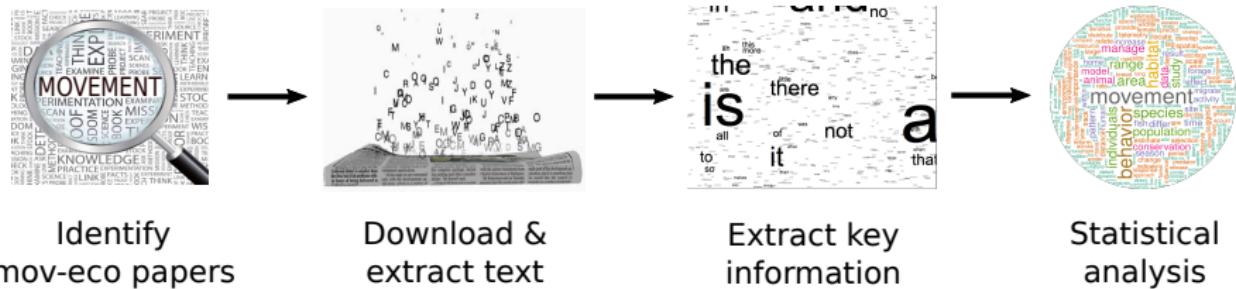
In this work



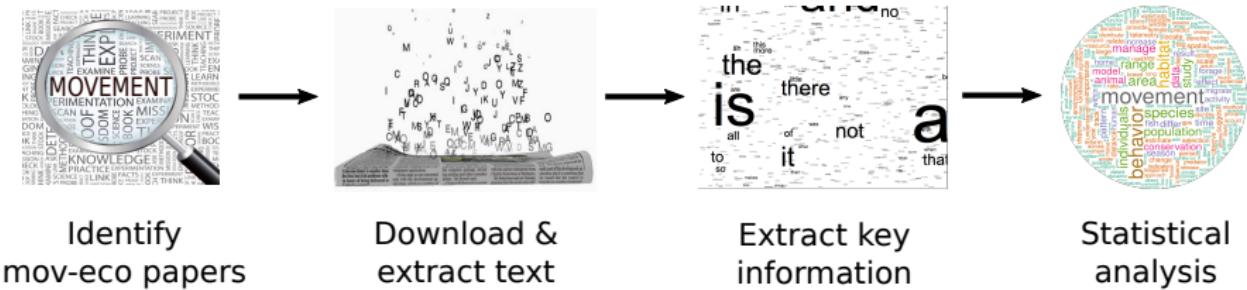
In this work



Methods

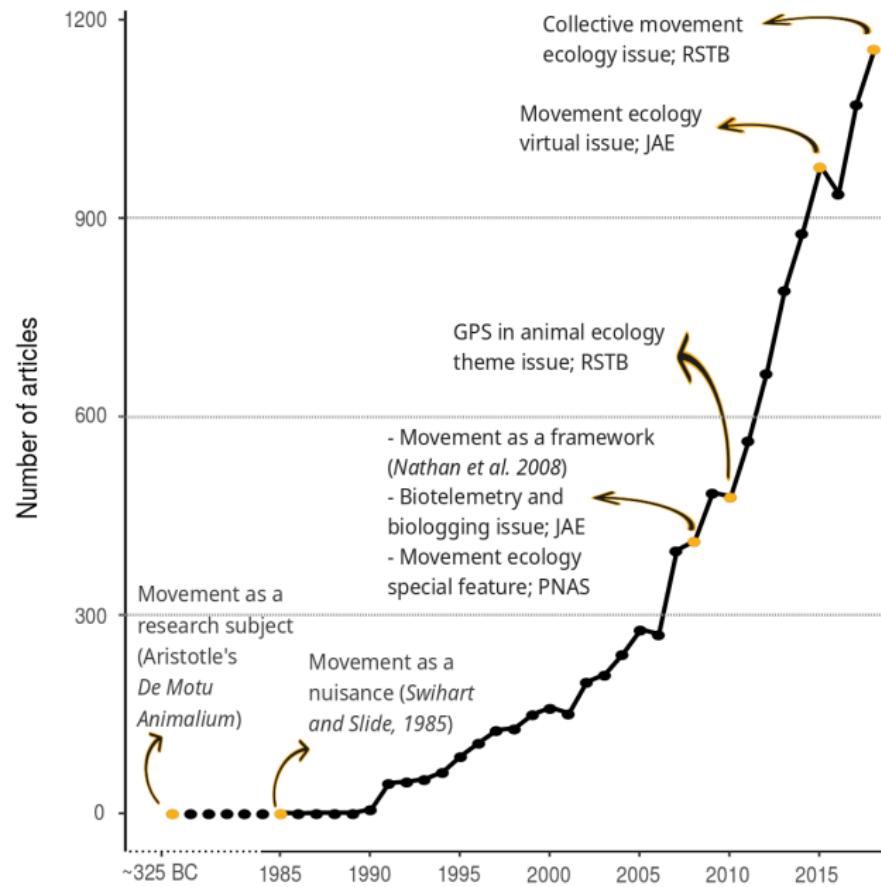


Methods

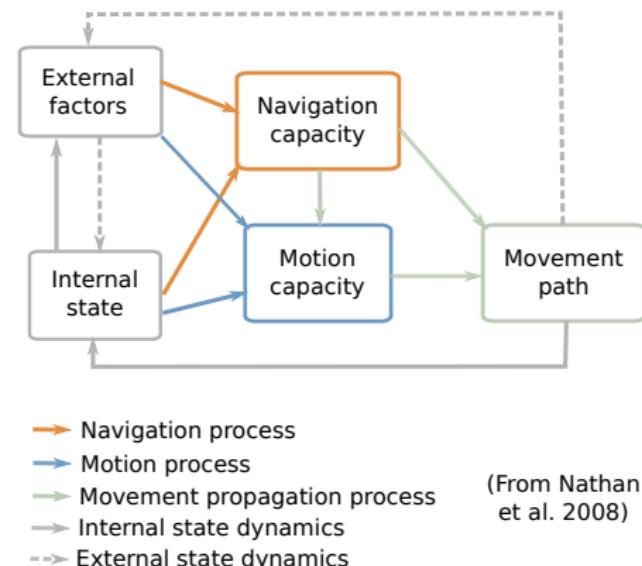


8007 movement ecology papers 2009-2018

Overview

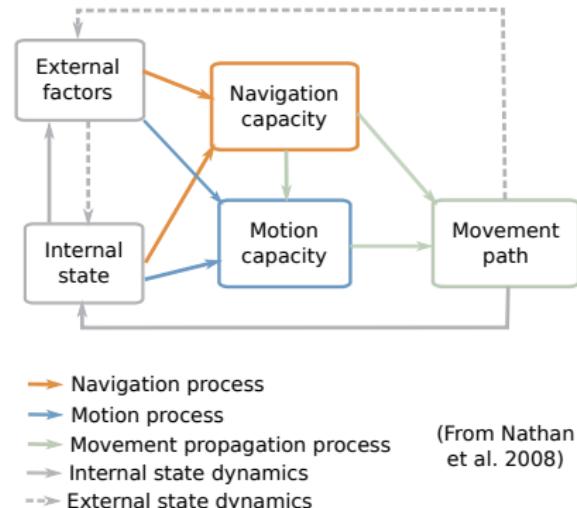
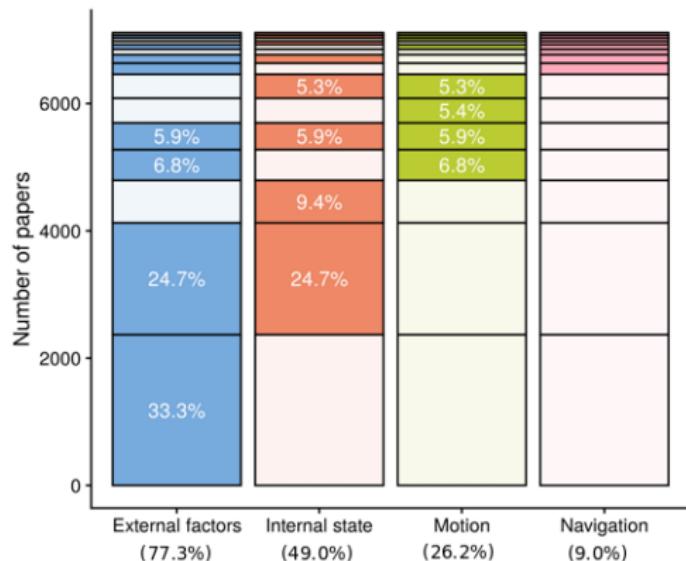


Movement ecology framework



Movement ecology framework

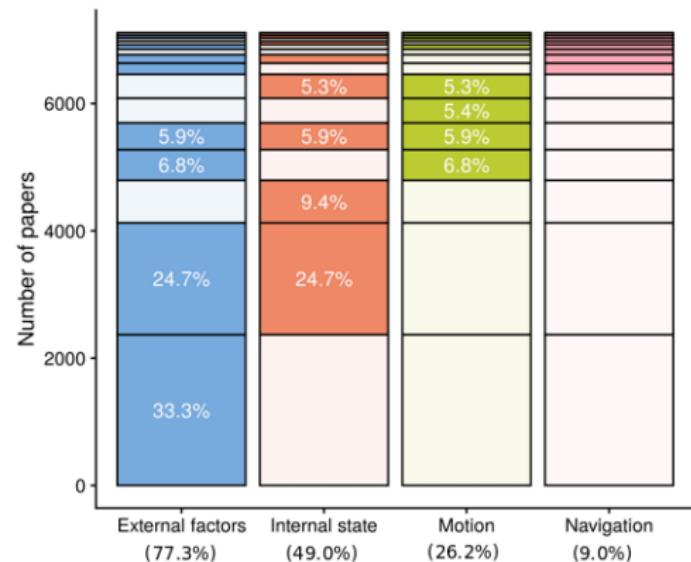
2009-2018



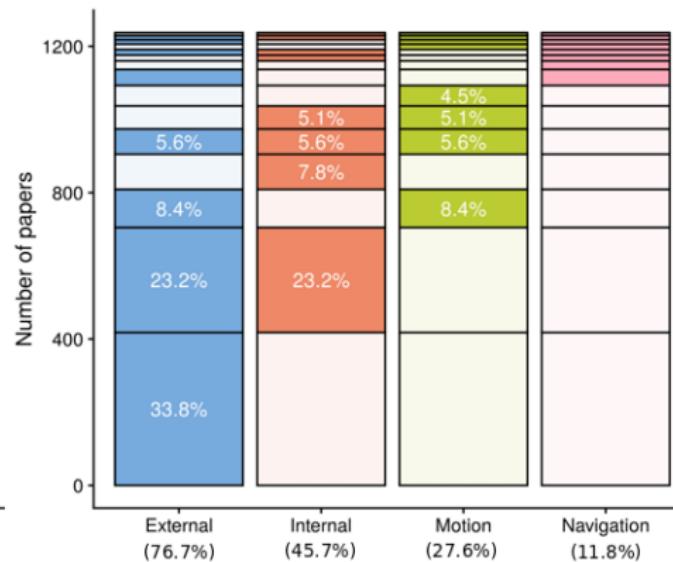
(From Nathan et al. 2008)

Movement ecology framework

2009-2018



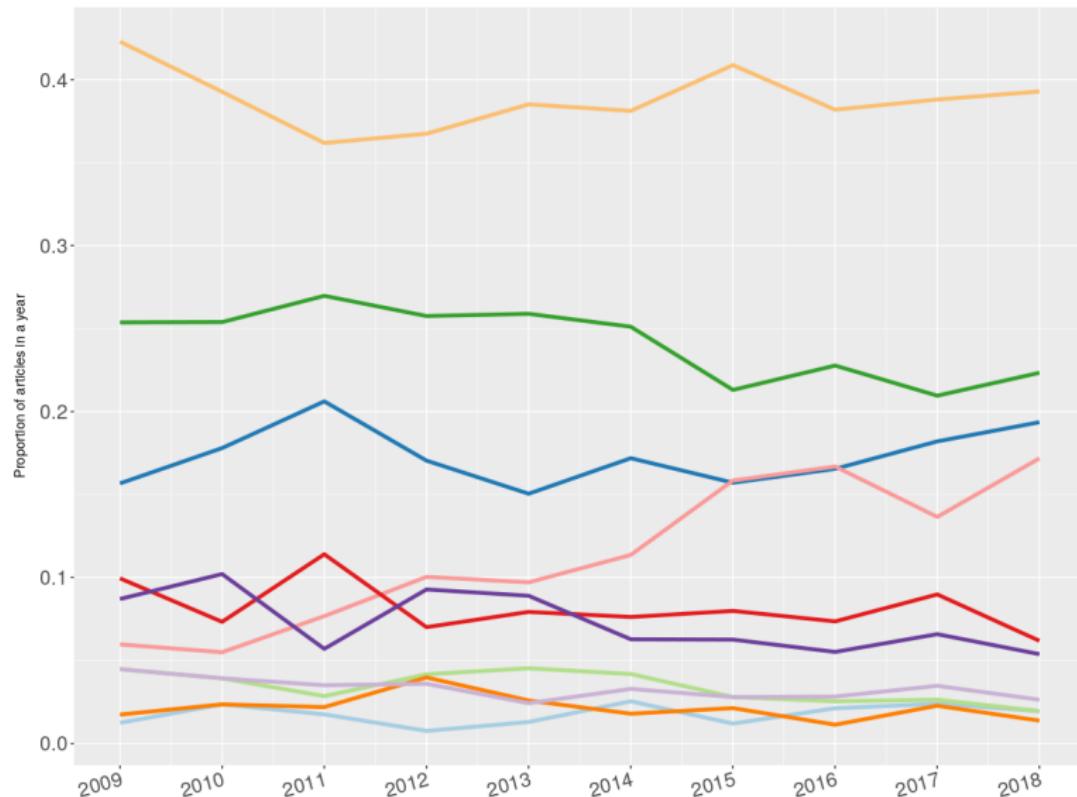
1999-2008



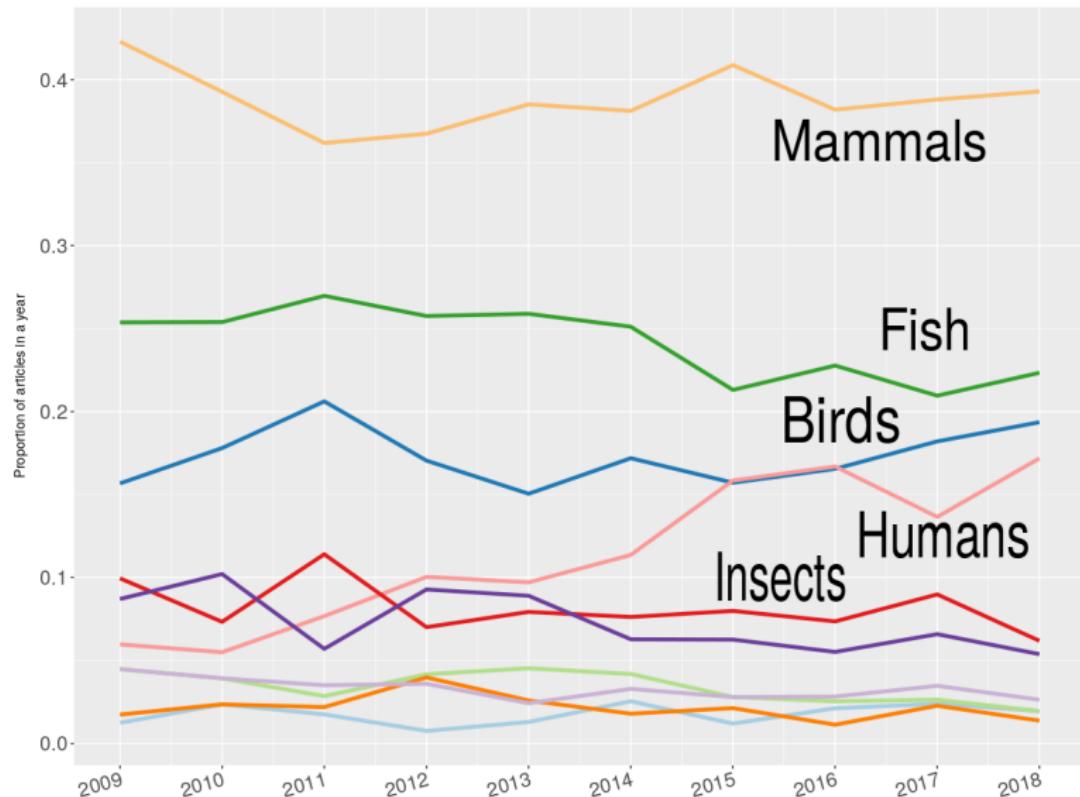
Species & Taxa



Species & Taxa

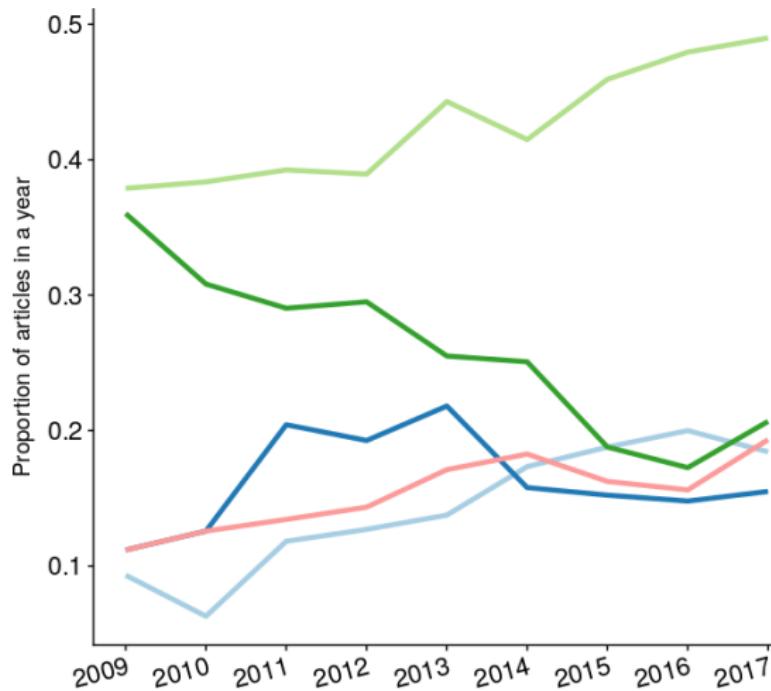


Species & Taxa



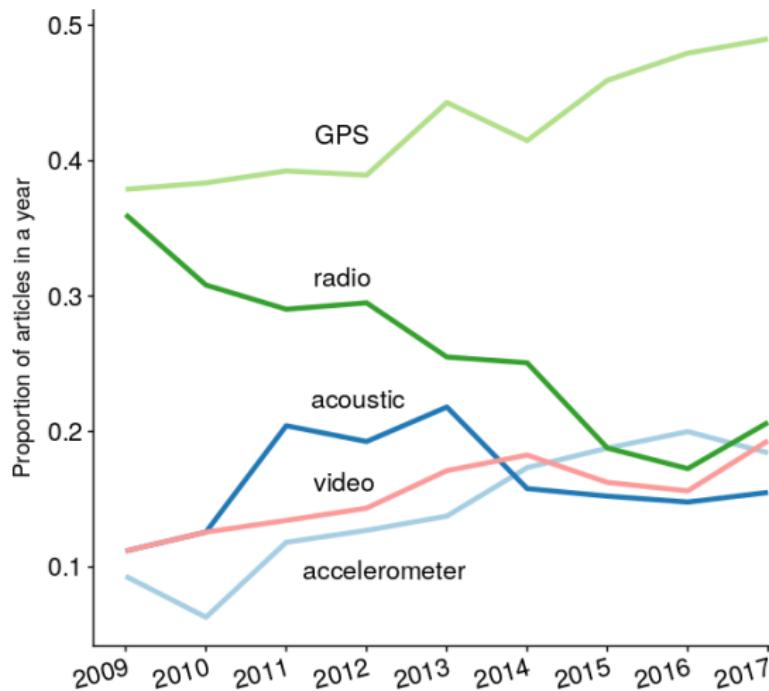
Data collection & analysis

Tracking devices

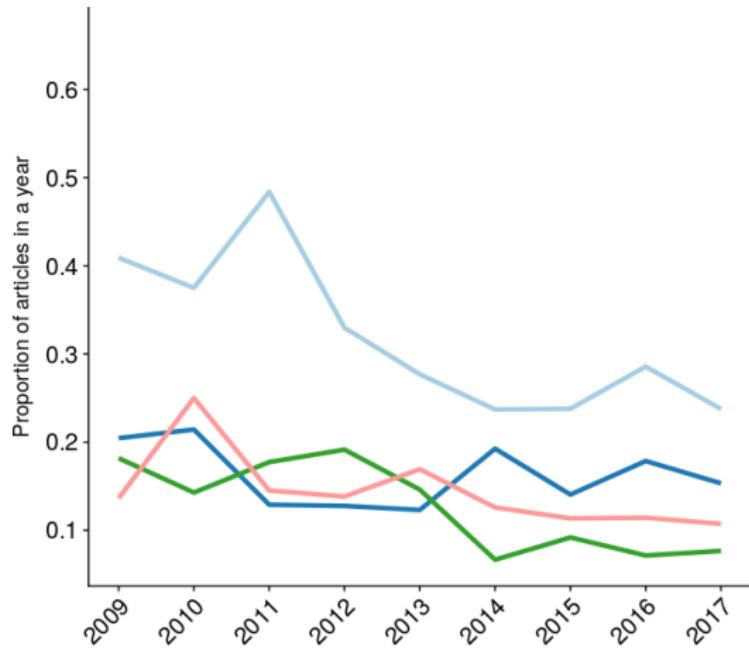


Data collection & analysis

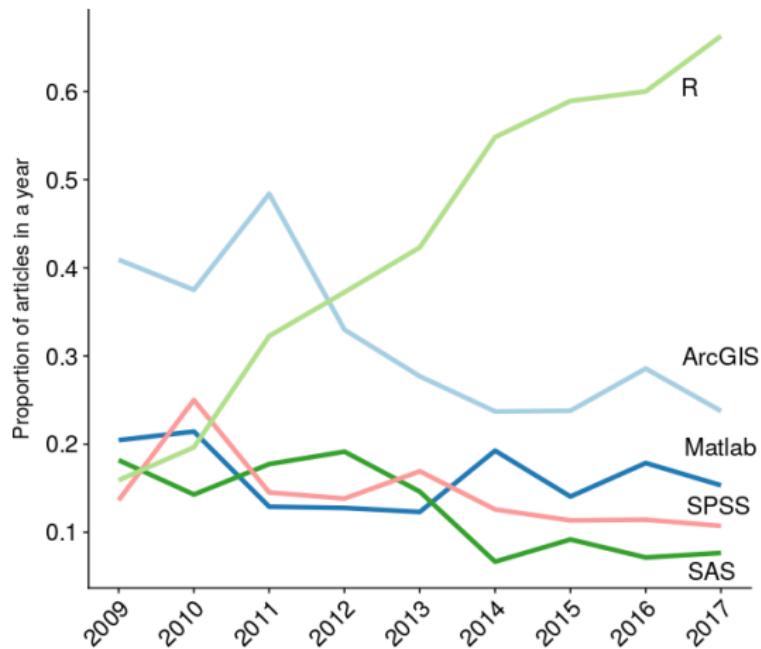
Tracking devices



Data collection & analysis

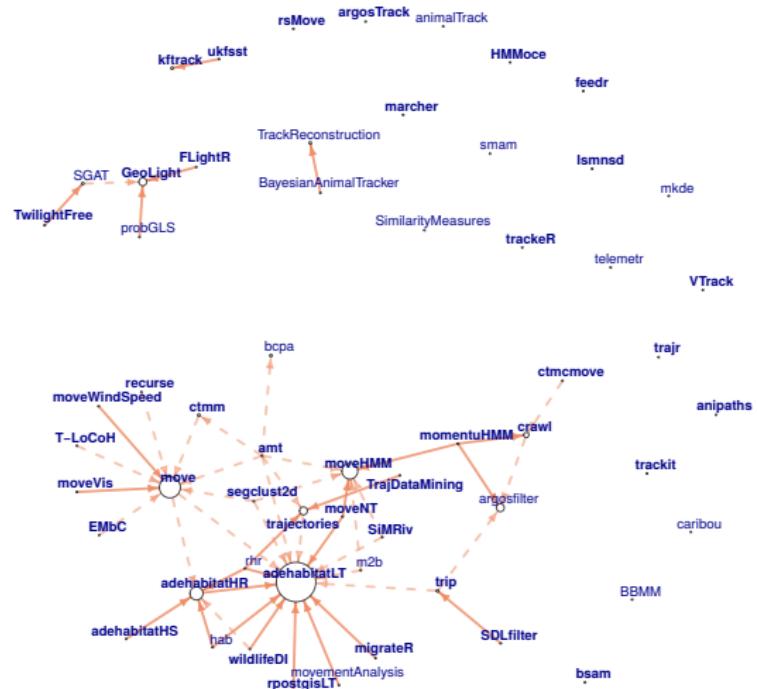


Data collection & analysis



Data collection & analysis

‘Navigating through the R packages for movement ecology’

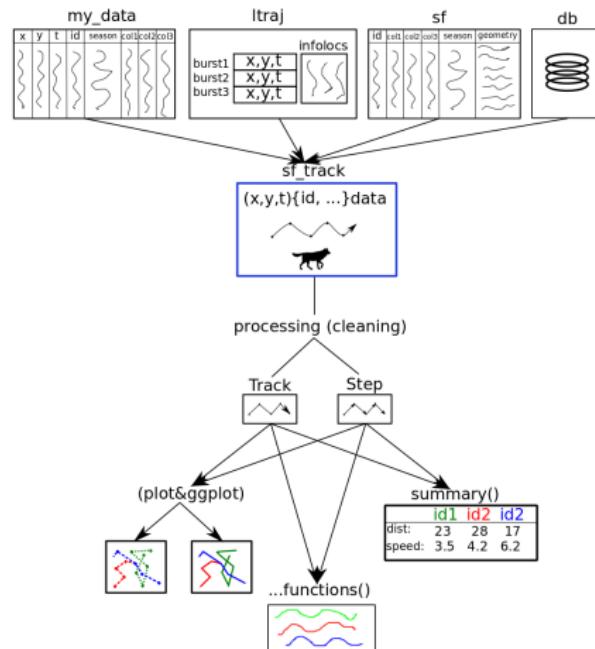


What can we do about all of
this?



Data collection & analysis

Work in progress: sftrack



<https://github.com/mablab/sftrack>

Data collection & analysis

Journal of Animal Ecology



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Navigating through the R packages for movement

Rocío Joo , Matthew E. Boone, Thomas A. Clay, Samantha C. Patrick, Susana Clusella-Trullas, Mathieu Basille

First published: 06 October 2019 | <https://doi.org/10.1111/1365-2656.13116>

Data collection & analysis



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A screenshot of a web browser window titled "Thunderbird Mail". The address bar shows the URL "https://cran.r-project.org/web/views/Tracking.html". The main content area displays the "CRAN Task View: Processing and Analysis of Tracking Data" page, which includes the Maintainer information and a "View Details" button.

CRAN Task View: Processing and Analysis of Tracking Data

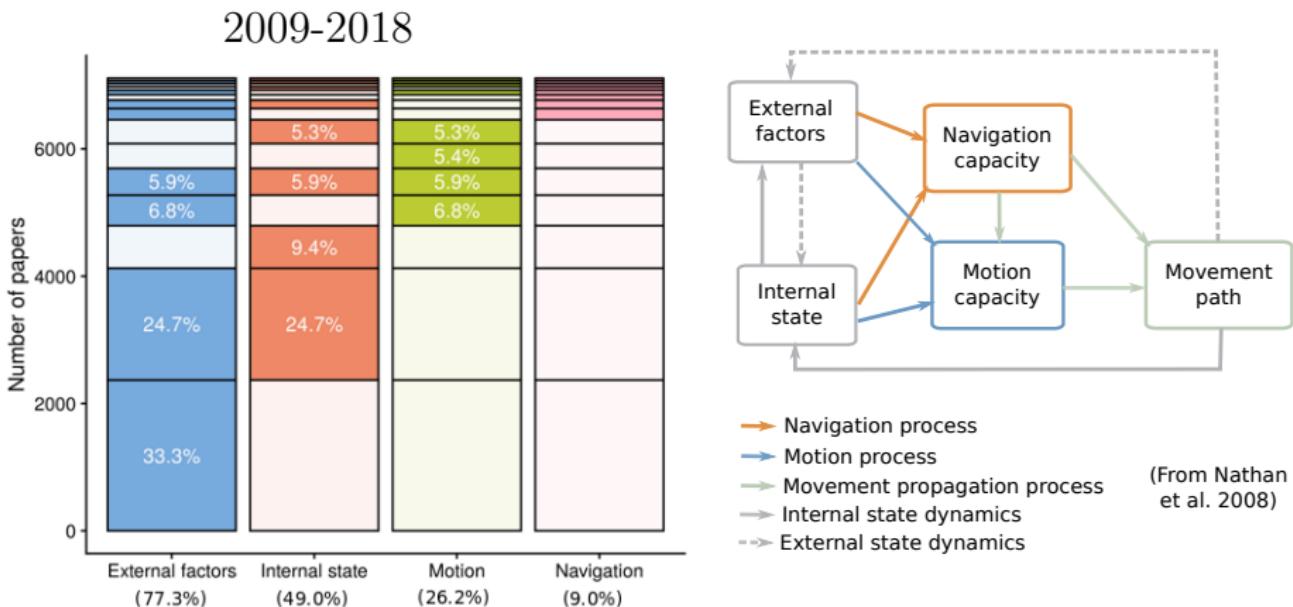
Maintainer: Rocío Joo, Matthew E. Boone, Michael Sumner and Mathieu Basille

Contact: [recio.joo at ufl.edu](mailto:recio.joo@ufl.edu)

Version: 2019-12-20

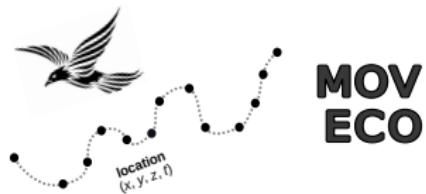
URL: <https://CRAN.R-project.org/view=Tracking>

Movement ecology framework



Will we insist on the same ideas? Will technology dictate the direction of the field?

Thanks for your attention



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rocio_joo