

## Conference Abstract

# TaxonWorks 1.0?

Matthew Yoder<sup>‡</sup>, Dmitry A Dmitriev<sup>§</sup>, José Luis Pereira<sup>‡</sup>, James R Flood<sup>¶</sup>, James D Tucker<sup>¶</sup>, Hernán Pereira<sup>‡</sup>, Marilyn Beckman<sup>¶</sup>

<sup>‡</sup> University of Illinois, Champaign, United States of America

<sup>§</sup> University of Illinois at Urbana-Champaign, Champaign, United States of America

<sup>¶</sup> Facultad de Ciencias Naturales y Museo de la Universidad Nacional de La Plata, La Plata, Argentina

<sup>¶</sup> Illinois Natural History Survey, Champaign, United States of America

Corresponding author: Matthew Yoder ([diapriid@gmail.com](mailto:diapriid@gmail.com))

Received: 16 Jun 2019 | Published: 26 Jun 2019

Citation: Yoder M, Dmitriev D, Pereira J, Flood J, Tucker J, Pereira H, Beckman M (2019) TaxonWorks 1.0?

Biodiversity Information Science and Standards 3: e37374. <https://doi.org/10.3897/biss.3.37374>

## Abstract

[TaxonWorks](#) is an open-source workbench for biodiversity researchers. With several years of development behind it, we highlight its present status, and discuss if and when it makes sense to release a version 1.0, i.e. software completed to specific stage. TaxonWorks' scope is broad; it seeks to touch nearly all areas that might be of interest to taxonomists, i.e. those who integrate everything that is known about a taxon into a single resource. Its role as a software platform is placed in a broader context, where many instances of TaxonWorks each can support multiple research projects. Instances may be supported by individuals or organizations. A suite of technical tools including containerization and unit tests facilitate collaboration at many different levels. TaxonWorks is a research tool, mechanisms for analyzing the results of data curation including its application programming interface are described.

The long-term development of TaxonWorks is supported by an endowment to the Species File Group. Its source is [available on Github](#).

## Keywords

software, VRE, taxonomists, workbench, open-source

## Presenting author

Matthew Yoder, Dmitry Dmitriev

## Presented at

Biodiversity\_Next 2019

## Acknowledgements

Elizabeth Frank (Retired, INHS) and Fauzi Klima (Oregon State) also contributed hundreds of commits to the code base. Many others have [contributed to the software in numerous other ways](#). TaxonWorks is made possible by an endowment of the Species File Group.

## Author contributions

All authors contributed over 250 commits to the code base of TaxonWorks.