Assembling the World Ichneumonidae Database: navigating challenges, achieving milestones, and fostering community

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## Taxapad

## Yu et al. (2005): CD-Rom

## Yu et al. (2012): CD-Rom

## Yu et al. (2016): USB Drive

52,307 valid names
16,810 Synonyms
Biology
Distribution
Taxonomy/Nomenclature


## Challenges

## Too many names...

## 41 subfamilies

> 1,601 genera
$>25,000$ species
$>1,434$ subspecies
> 10,000 synonyms


## European focus

## 14,284 references

## A modular approach



Minimal Working Unit


## Milestones

## Milestones

## Navigate

| Previous | Random | Next |
| :---: | :---: | :---: |
| Valid | Invalid | Both |

— Root

- Animalia Linnaeus, 1758
- Arthropoda Gravenhorst, 1843
- Hexapoda Latreille, 1825
- Insecta Linnaeus, 1758
- Hymenoptera Linnaeus, 1758
- Ichneumonoidea Latreille, 1802
- Braconidae Nees von Esenbeck,


## 1811113

= Bracones Nees von Esenbeck, 1811

- Ichneumonidae Latreille, 1802

$$
[1787][565]>3,300
$$

- Ichneumonoidea Latreille, 1802 Ichneumonidae Latreille, 1802


- Banchinae Wesmael, 18456 - Brachycyrtinae Viereck, 191926 18
- Campopleginae Förster, 186929 2
- Claseinae Townes, 19694 | 1 |
| :--- | :--- | - Collyriinae Cushman, $1924 \quad 5 \quad 1$ - Cremastinae Förster, 18693 - Cryptinae Kirby, $183710 \quad 6$ - Ctenopelmatinae Förster, 1869 1398
- Cylloceriinae Wahl, 1990
- Diacritinae Townes, 1965
- Diplazontinae Viereck, 1918
- Eucerotinae Viereck, 1919
- Hybrizontinae Blanchard, 1845 - Ichneumoninae Latreille, 1802 | 1159 | 1239 |
| :--- | :--- |
- Labeninae Ashmead, $1900 \quad 16$ 2
- Lycorininae Cushman \& Rohwer, $1 9 2 0 \longdiv { 2 }$
— Mesochorinae Förster, 1869 - Metopiinae Förster, 1869215 - Microleptinae Townes, 1958 - Neorhacodinae Hedicke, 1922 - Nesomesochorinae Ashmead, 1905 - Ophioninae Shuckard, $1840 \quad 1$


## 3 subfamilies completed



Milestones

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| :---: | :---: | :---: |
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- Ichneumonidae Latreille, 1802
- Ichneumoninae Latreille, 1802
- Ichneumonini Latreille, 1802
- Coelichneumon Thomson, 1893
$\square_{\text {Coelichneumon eburnifrons }}$
(Wesmael, 1857)
= Ichneumon eburneifrons [sic] (Wesmael, 1857)
= Coelichneumon derasus var. pictus Roman, 1904
= Coelichneumon pomilionobilis [sic] Heinrich, 1951
= Coelichneumon pumilionobilis Heinrich, 1951 = Coelichneumon pumiliosimilis [sic] Heinrich, 1951 $=$ Ichneumon (Coelichneumon) tenuitarsis Thomson, 1893 $=$ Ichneumon zagoriensis Schmiedeknecht, 1928


## Coelichneumon eburnifrons (Wesmael, 1857)

## History (88)

## Milestones



## TaxonPages



## Community

## In the beginning...



## .then...




## Conclusion

## Easy

## Challenging

Navigating TW


Convincing the community of the usefulness of WID and TW

Collecting references
Convincing the community to at least collaborate indirectly

Inputting information
Databases are always "work in progress" rather than an "end product"

## Acknowledgments

- Species File Group (SFG)
- Barbara J. Sharanowski (PI)
- Ichneumonid community
- Curators of WID
- Potential future users of WID

