

Biogeography. Lecture 11

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Outline

Taxonomy Names



Taxonomy Names



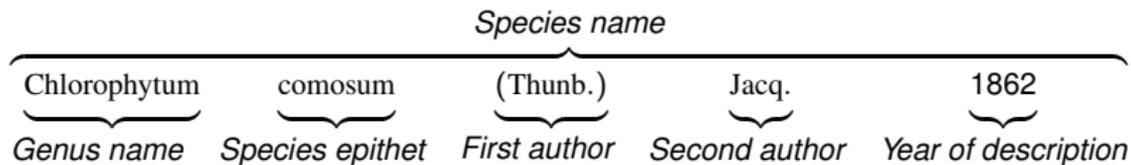
Who is *Homo troglodytes*, or why binomial system is not very well made?

- ▶ This is a chimp (*Pan troglodytes*) if we move it into *Homo* genus.
- ▶ If we move chimp to human genus, its name should be “*Homo troglodytes*”
- ▶ Linnaeus described **another** “*Homo troglodytes*” so some biologists want to name chimp “*Homo arboreus*”.
- ▶ However, this older name is **invalid** because it was proved that it was based on the materiel consisting of orang and human bones mixture.
- ▶ So quite fortunately, there is no conflict. There are plenty of these conflicts in less famous situations.
- ▶ The worst is that moving species from one genus to another is based on the **opinion** but results in **name change!**



Names and endings examples

English	Latin	Example 1	Example 2
Kingdom	Regnum	Vegetabilia	Animalia
Phylum	Phylum	Spermatoph <u>yta</u>	Chordata
Class	Classis	Angiospermae (Magnoliopsida)	Mammalia
Order	Ordo	Liliales	Primates
Family	Familia	Asparagaceae	Hominidae
Genus	Genus	<i>Chlorophytum</i>	<i>Homo</i>
Species	Species	<i>Chlorophytum comosum</i> (Thunb.) Jacq. 1862	<i>Homo sapiens</i> L.



For Further Reading



A. Shipunov.

Biogeography [Electronic resource].

2014—onwards.

Mode of access:

http://ashipunov.info/shipunov/school/biol_330



A. Shipunov.

Introduction to Biogeography and Tropical Biology [Electronic resource].

2017—onwards.

Mode of access: [http:](http://)

[//ashipunov.info/shipunov/school/biol_330/intr_biogeogr_trop_biol/intr_biogeogr_trop_biol.pdf](http://ashipunov.info/shipunov/school/biol_330/intr_biogeogr_trop_biol/intr_biogeogr_trop_biol.pdf)

