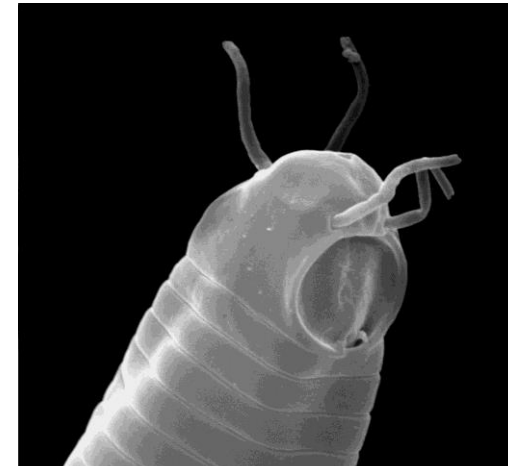
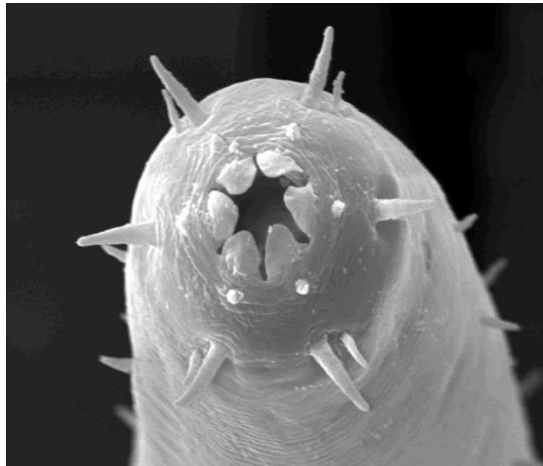


Nematoda

Ursula Eisendle-Flöckner

University of Salzburg

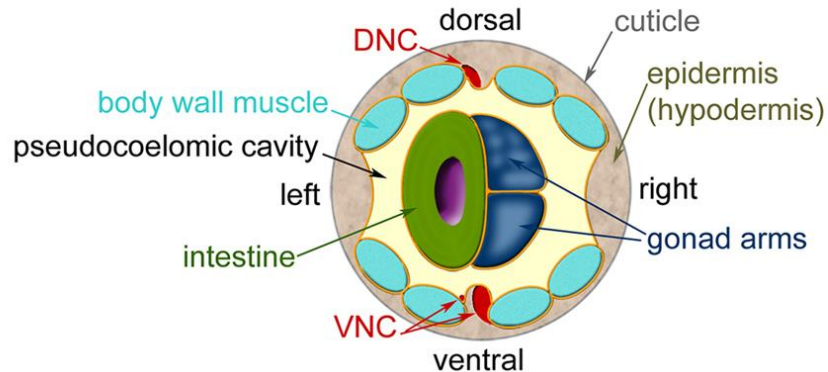
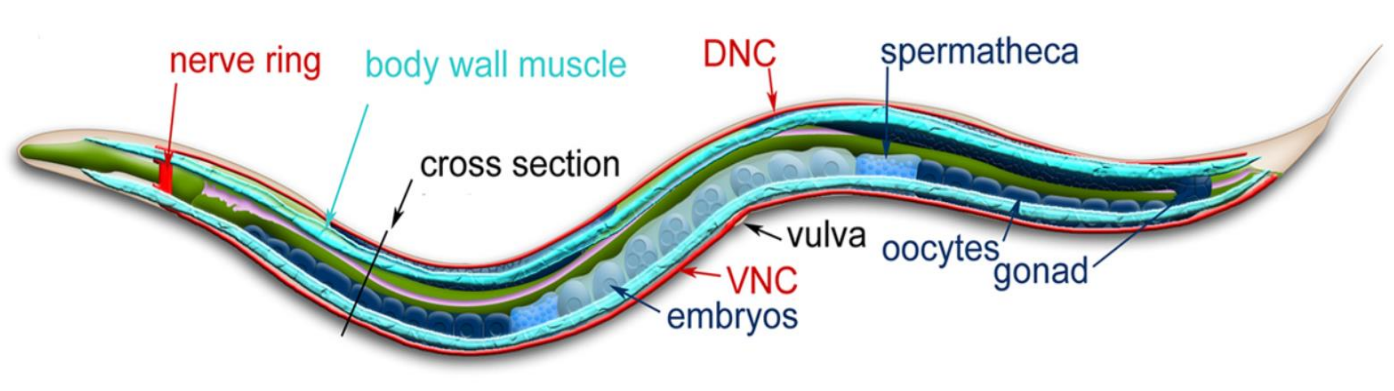


free-living forms: length ~ 0.7 – 4 mm \varnothing ~ 20 – 50 μ m

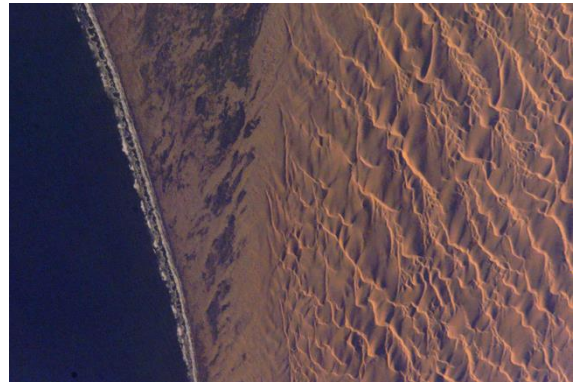
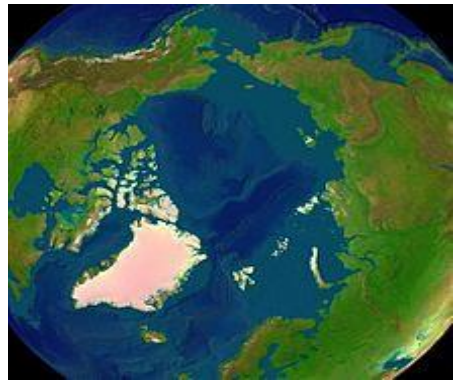


A – juvenile nematode (SEM); Scale bar = 100 μ m

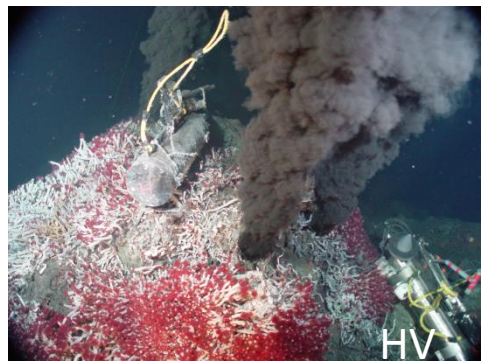
B longitudinal section (*C. elegans*)



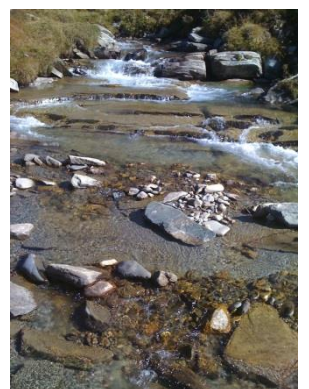
C – Cross section scheme *C. elegans*

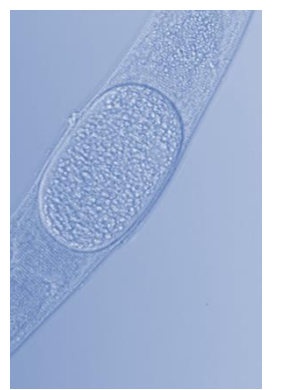
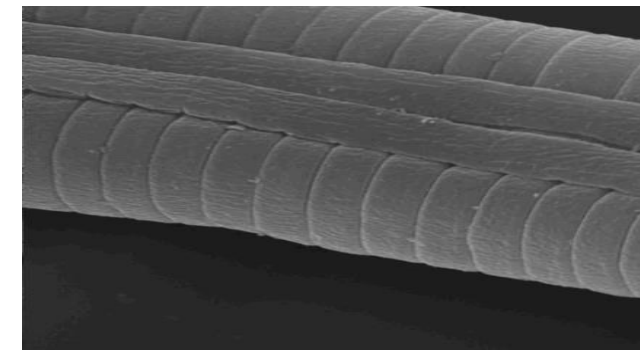
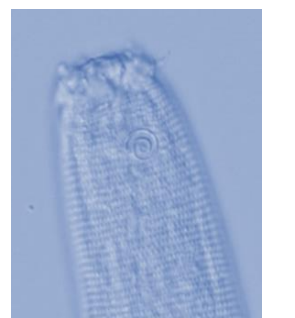
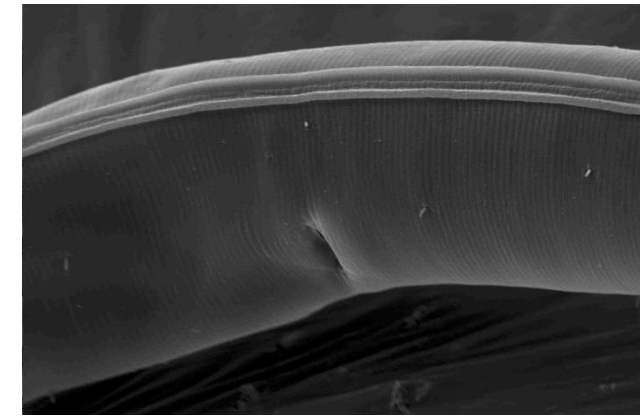
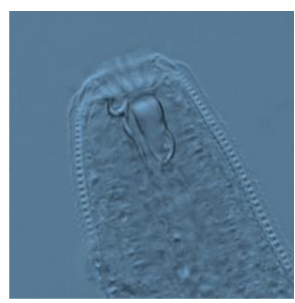
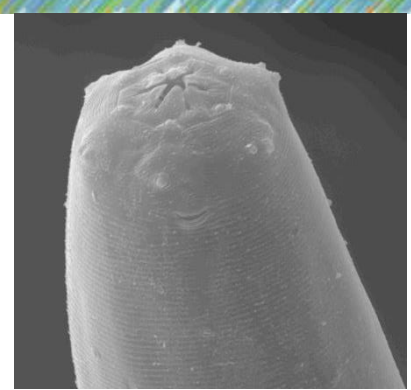
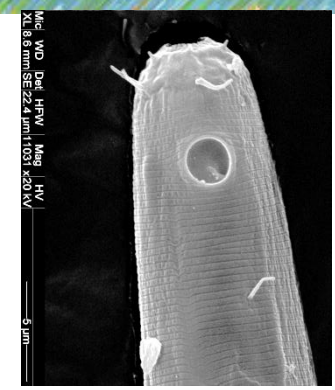
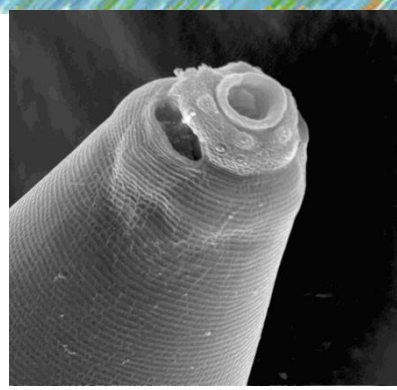
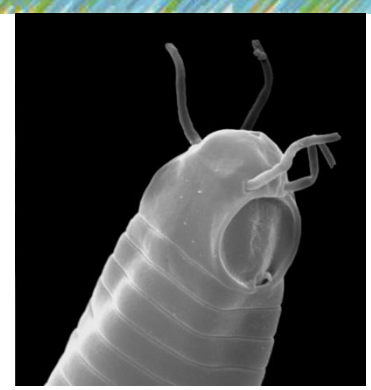
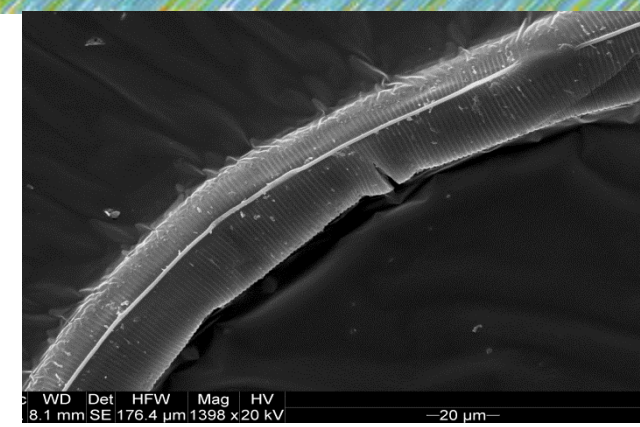


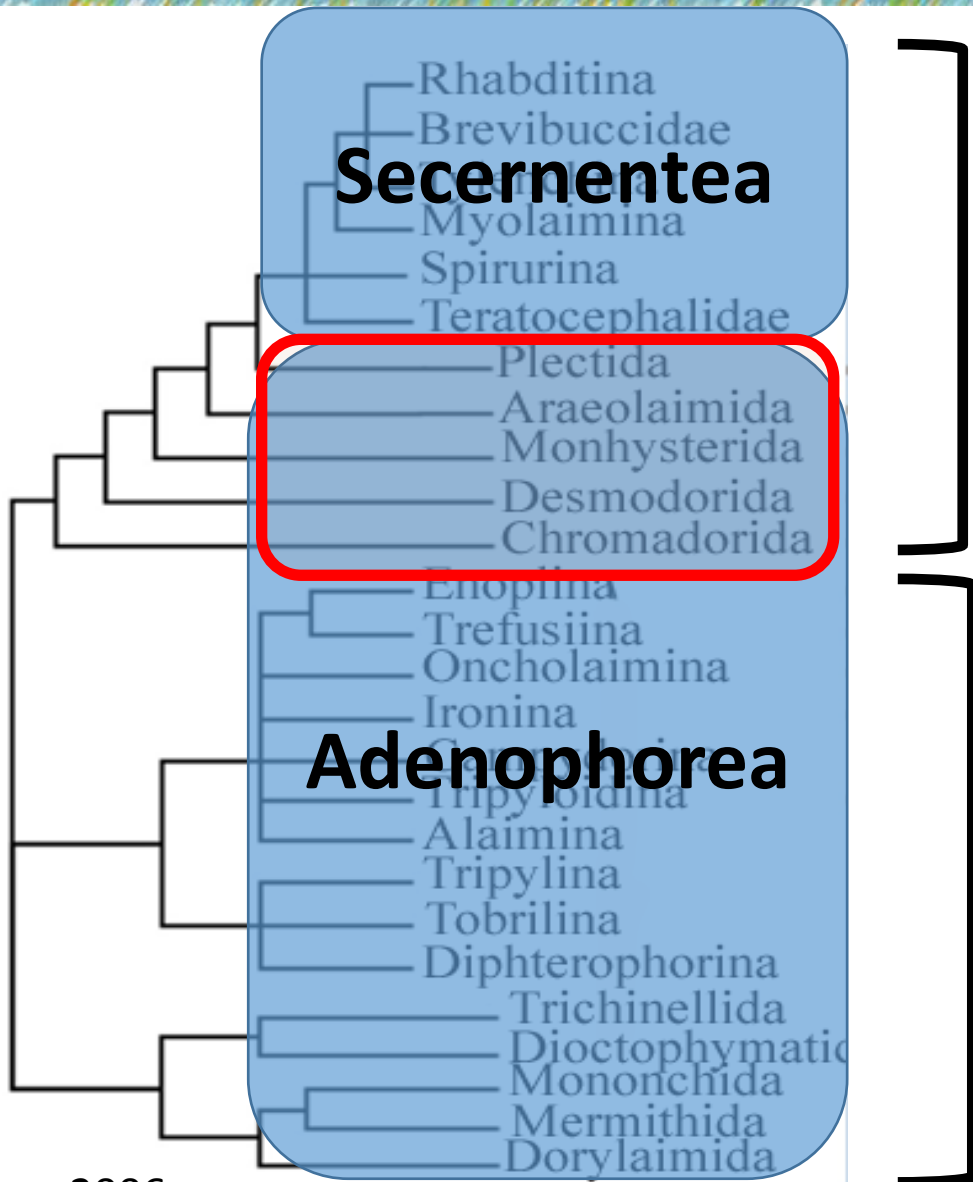
WB



HV

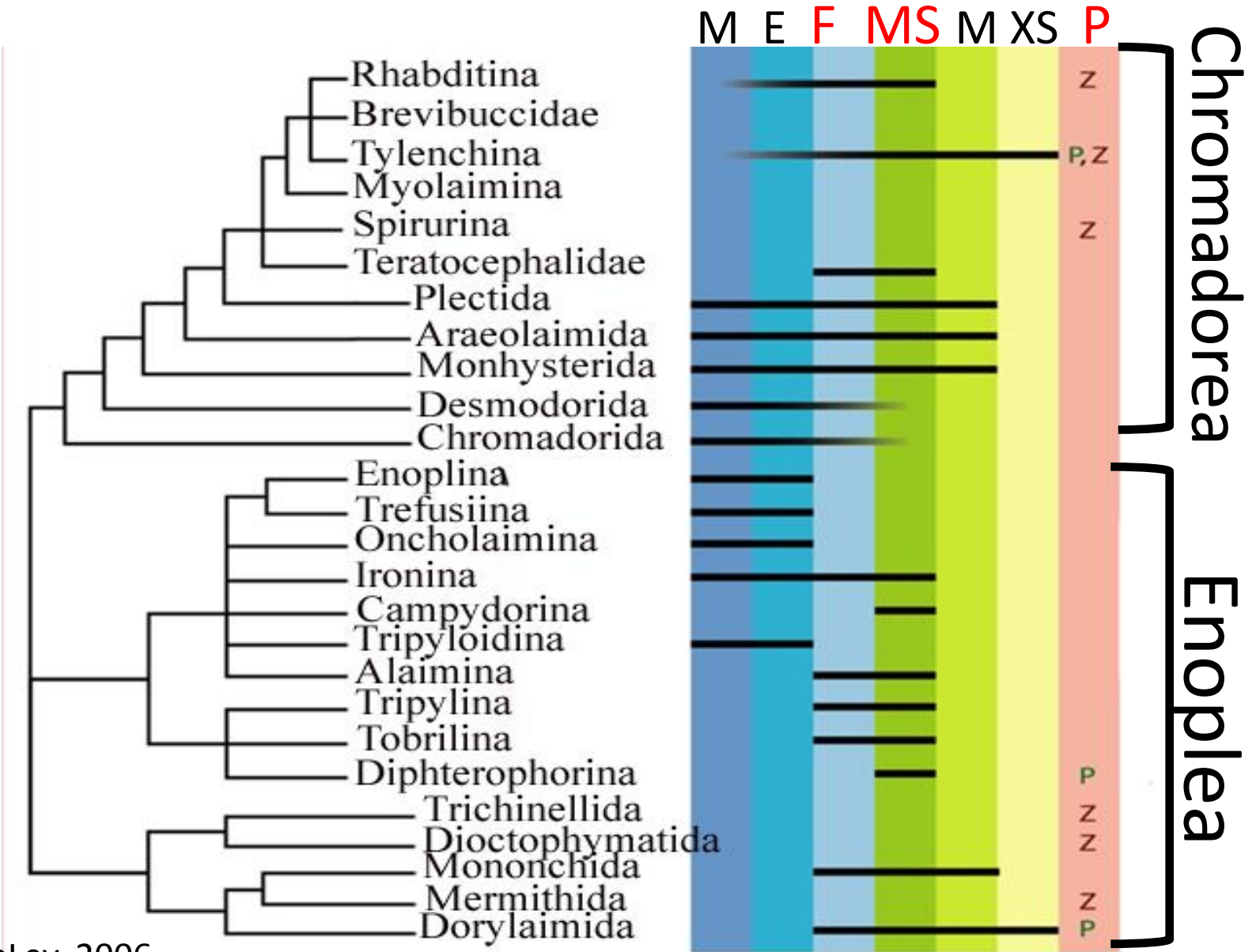






Chromadorea

Enopleea



Species numbers
15.000 - 30.000

FADA →

Families 73
Genera ≈ 319 *
Species ≈ 1.942 *

* = needs to be checked

Checklist - Ressources

- Data base (Decraemer & co-workers)
- WoRMS
- (Fauna Europea)
- Keys – Andrassy, Loof
- Biosis & zoological records

Expectations for the workshop

- better integration of nematodes in assessments and survey
- solve specific problems (e.g. „confusing“ genera..)
- Tool - biogeographic data
- Publication

Pictures & References

- [WB = http://www.wienbibliothek.at](http://www.wienbibliothek.at) [Stand 25.09.2015] (slide 3)
- NASA (slide 3)
- [HV = http://www.pmel.noaa.gov/eoi/gallery/R852_DSC_092004_070004_03772.JPG](http://www.pmel.noaa.gov/eoi/gallery/R852_DSC_092004_070004_03772.JPG) (slide 3)
- Ursula Eisendle-Flöckner (slide 1, 2, 3, 4)
- Corsi A.K., Wightman B., and Chalfie M. A Transparent window into biology: A primer on *Caenorhabditis elegans* (June 18, 2015), *WormBook*, ed. The *C. elegans* Research Community, WormBook, doi/10.1895/wormbook.1.177.1, <http://www.wormbook.org>.
- De Ley, P. A quick tour of nematode diversity and the backbone of nematode phylogeny (January 25, 2006), *WormBook*, ed. The *C. Elegans* Research Community, WormBook, doi/10.1895/wormbook.1.41.1, <http://www.wormbook.org>