

# From slides to bytes

Digital parasites innovate education and promote awareness

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## Wildlife parasites

- Represent a large part of species and biomass
- Provide ecosystem services (e.g. they regulate host populations, link food webs, accumulate toxic pollutants)
- Contribute to ecosystem robustness and resilience
- Hold an intrinsic value

However:

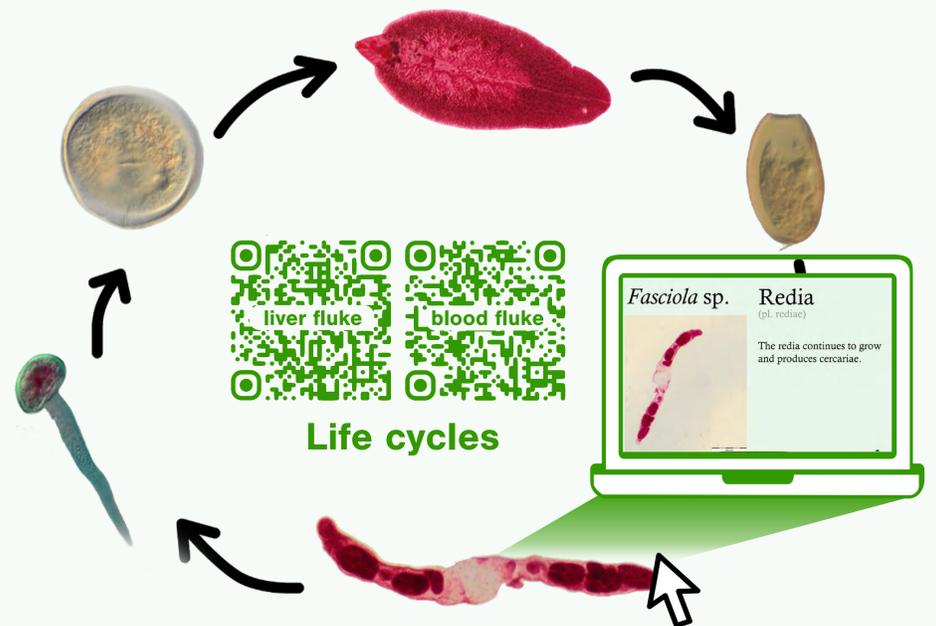
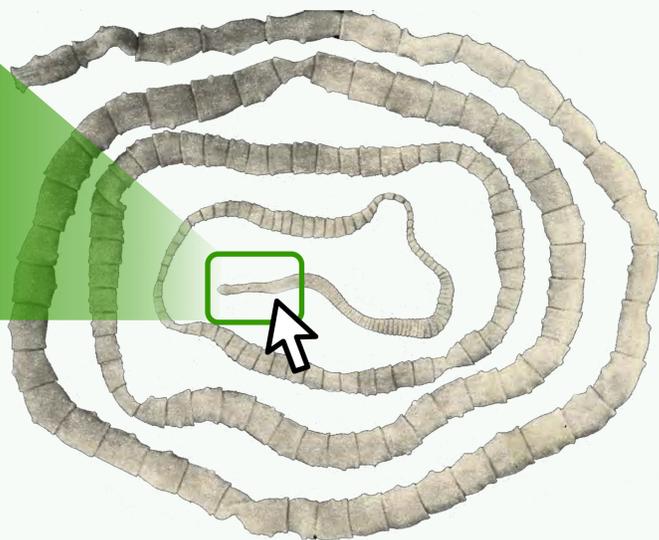
- ~30% of parasite species will be extinct by 2100
- Parasites are negatively perceived
- There is a generation gap in parasitologists & parasite taxonomists



Scolex of *Taenia* sp.



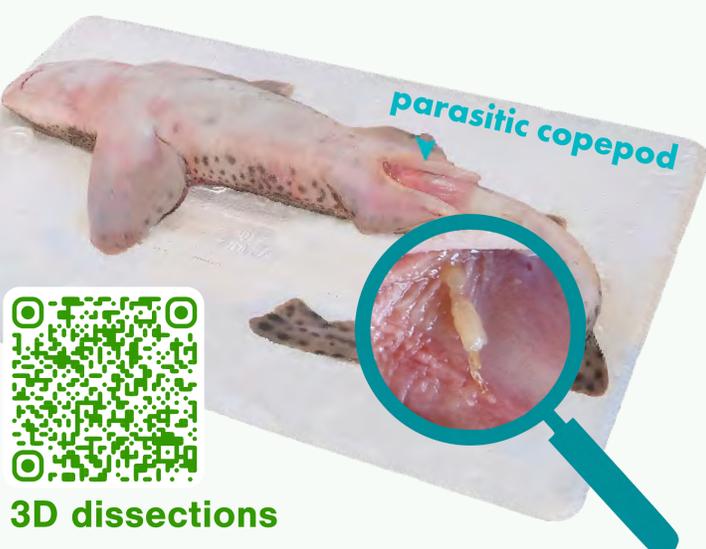
Anatomy



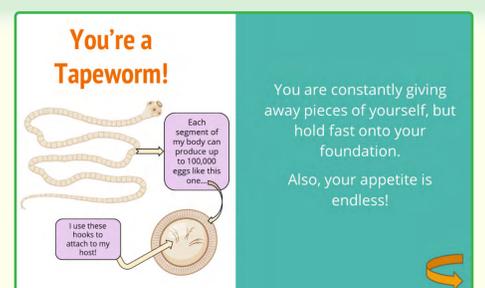
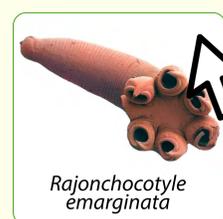
## Digital resources

- Accessible for anyone anywhere  
→ inclusive tool, capacity building in the Global South
- Attractive for youth  
→ address generational gap of parasitologists
- Engaging the general public  
→ shift from negative to positive perception
- Open-source  
→ content adaptable to local contexts and languages
- Alternative to traditional dissections  
→ ethical and sustainable

We are developing openly available, interactive, web-based resources to unlock parasitological knowledge for students and the general public that can be used online or at outreach events.



Memory game



in collaboration with  
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By moving from slides to bytes, parasitology becomes more engaging, more inclusive, and raise awareness about ecological roles and extinction risk of parasites. Digital tools can bridge education, research, and