

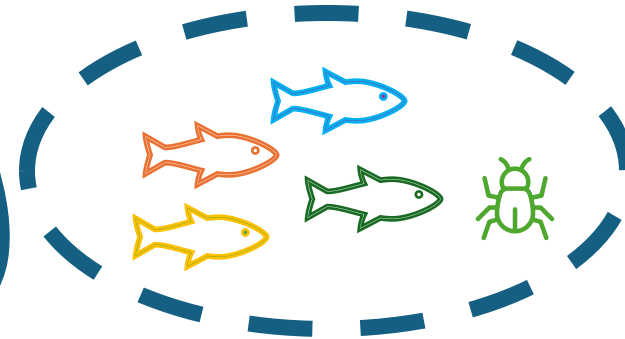
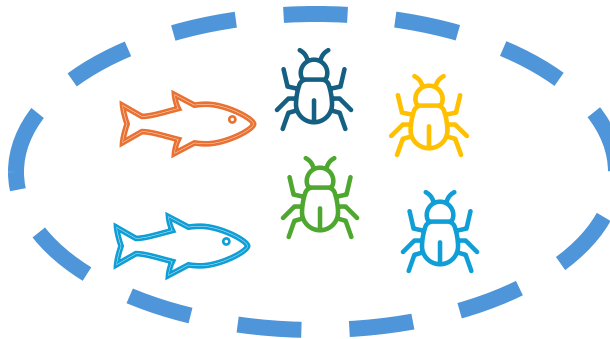
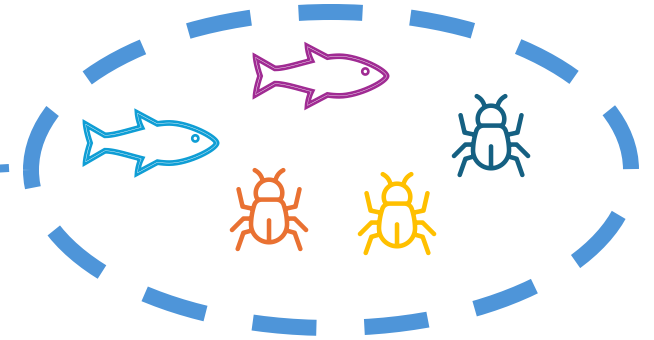
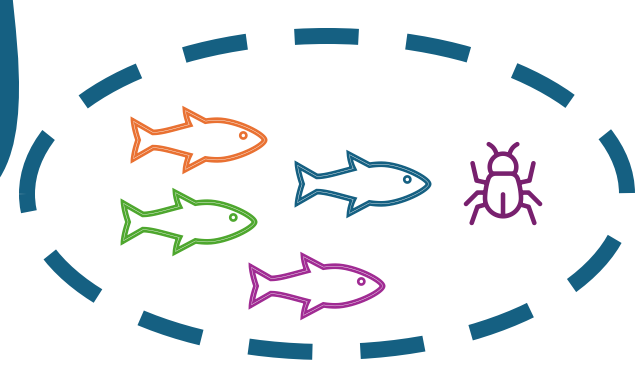
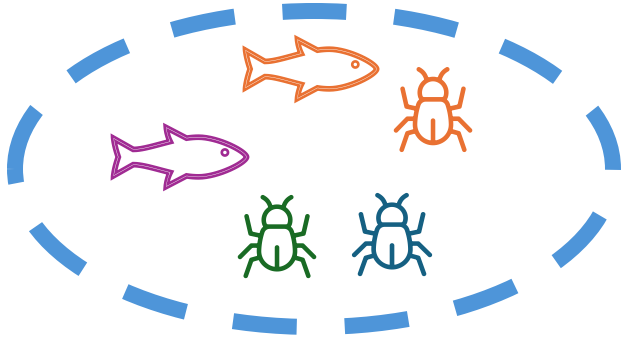
An aerial photograph of a tropical river flowing through a dense, lush green forest. The river is a vibrant turquoise color, contrasting sharply with the deep green of the surrounding trees. The forest appears to be a primary rainforest, with a thick canopy of various tree species. The river winds through the landscape, creating a central channel that the text is overlaid on.

Parasite and Host Diversity in Flowing Tropical Waters

(The dream)

The Host Landscape

Riverscape?





Microbiome metapopulations in wild and hatchery raised fish

(the likely reality)

What is eDNA?



The bonus of using coding regions of the genome as molecular markers

16S and 18S Ribosomal RNA

- 16S and 18S code for rRNA (not a protein coding gene)
- rRNA = NO CODONS

COI and Coding Markers

- COI codes for a protein (oxidase something something)
- Base position in a codon means something!

A	T	G	T	A	G	C	C	A	T	G	C	G	A	C
1	2	3	1	2	3	1	2	3	1	2	3	1	2	3