High-throughput sequencing technology has revolutionised the scale of

A molecular toolset for biological recording

DNA Barcoding

Individual Specimens: What is this specimen?

DNA Metabarcoding

Unsorted collections:

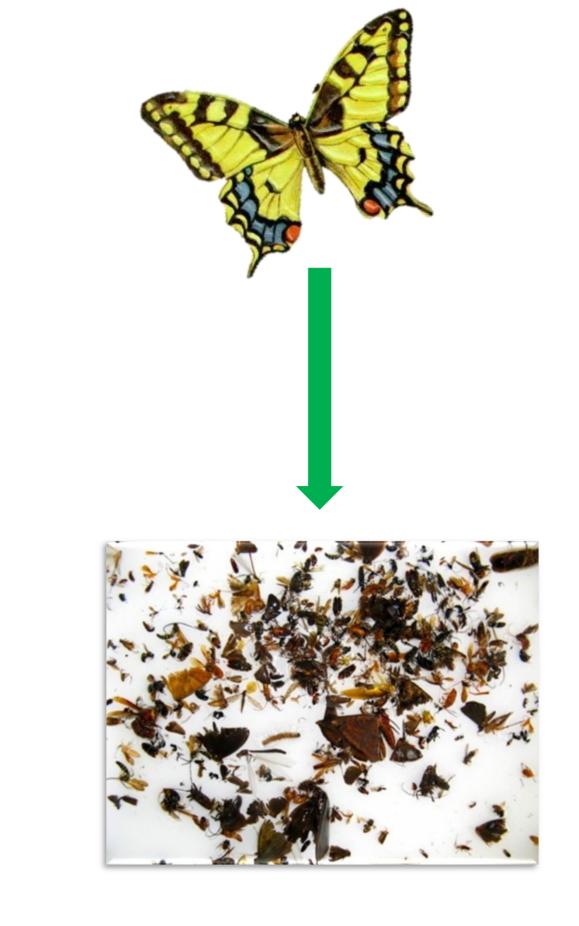
What's in this sample?

Metagenomics

Unsorted collections: What's here & how many?

Environmental DNA

Environmental samples: Has X been here?

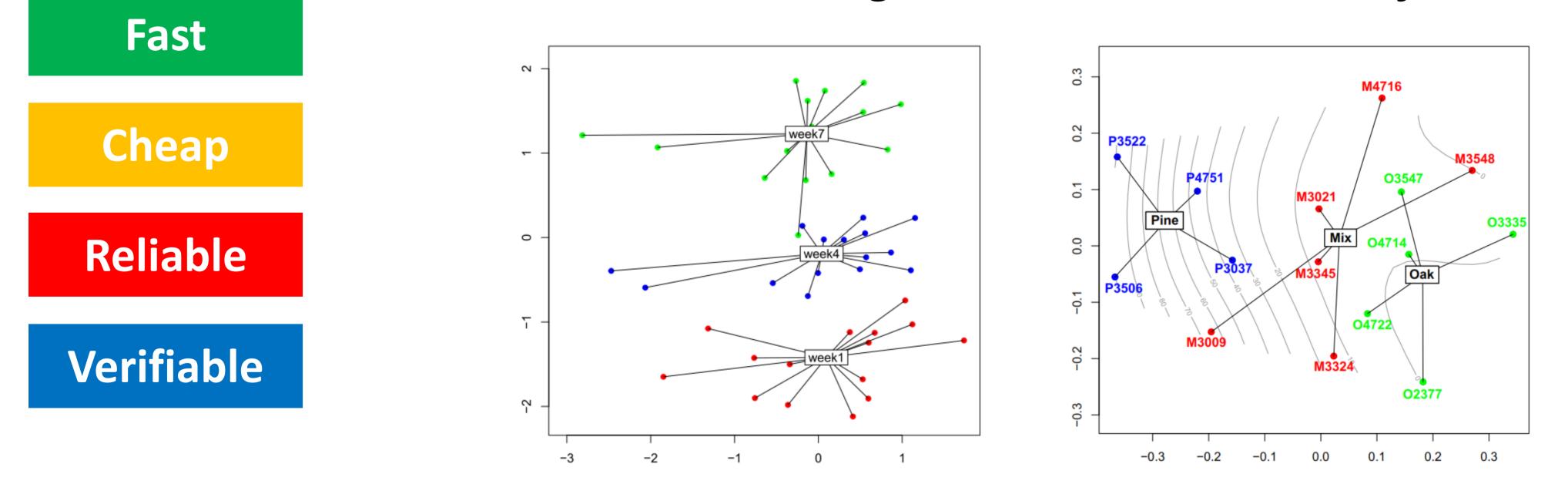




biodiversity information that can be obtained quickly and inexpensively

						Harlequin ladybird Fruit fly	Site 1 0 25	Site 2 5 0	Site 3 200 0
						False widow spider	4	56	0
Sample invertebrates	Homogenise contents of sample	Extract DNA en masse	Amplify with universal primers	Sequence on NGS platform	Cluster similar sequences	Assign taxonomy using online reference databases	Ecological analysis		

Track changes in whole communities across space & time, and link to management or environmental factors



Monitor distributions, habitat associations & responses of hard-to-identify species



www.naturemetrics.co.uk

kat@naturemetrics.co.uk

