



Marine Science in WA 2010 Show-&-Tell

Name: Thea Linke

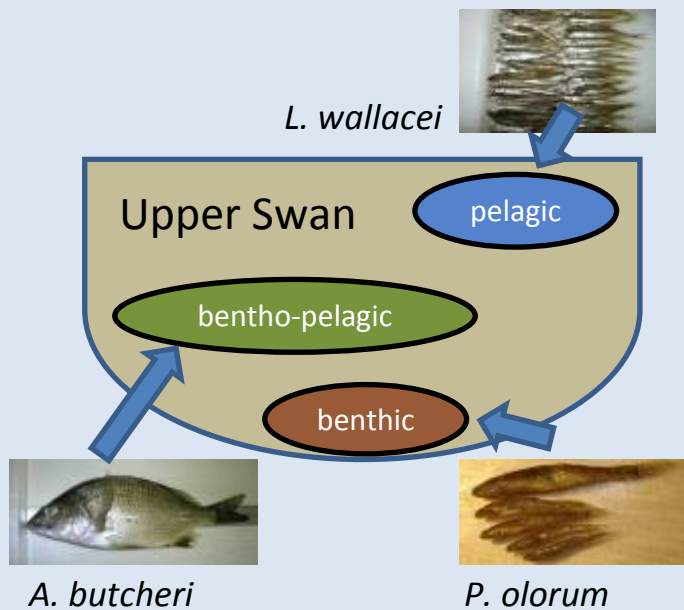
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Supervisor Neil Loneragan & Luke Twomey

Newsflash title: Trophic interactions in the Swan-Canning Estuary



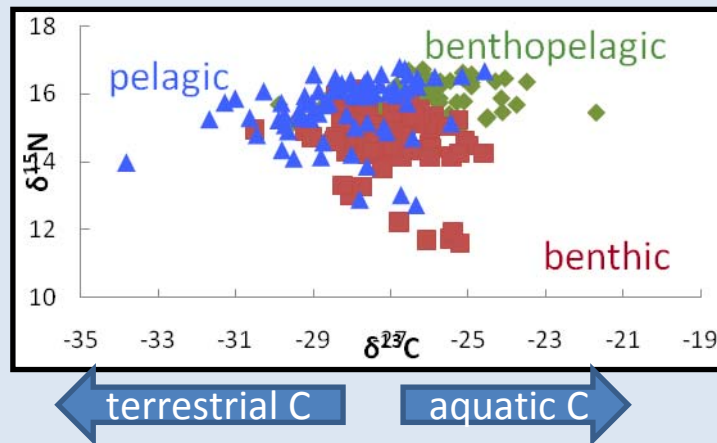
Trophic interactions in the Swan-Canning Estuary



How does trophic niche separation work?

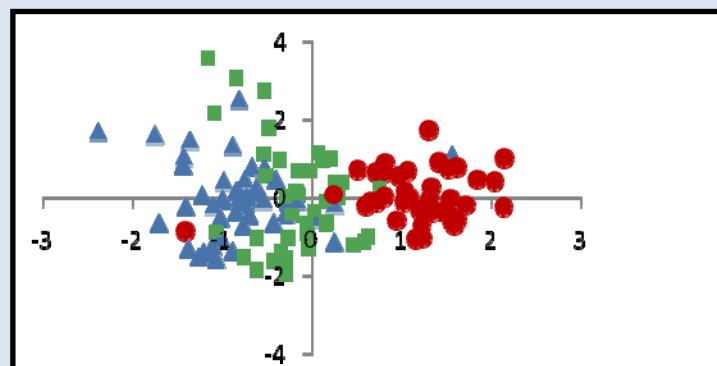
3 complementary methods

- stable isotopes of C and N
- fatty acids
- stomach contents



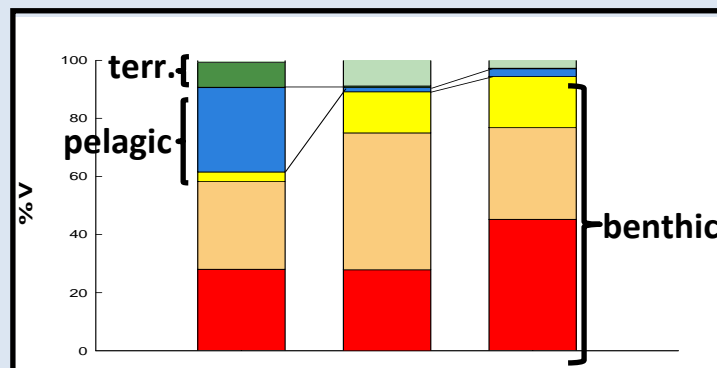
STABLE ISOTOPES of C & N

- terrestrial C in pelagic feeder



FATTY ACIDS

- PC1 driven by DHA 22:6(n-3) and EPA 20:5 (n-3)



STOMACH CONTENTS

- terrestrial & pelagic prey