



Rome, 27-29 May 2019

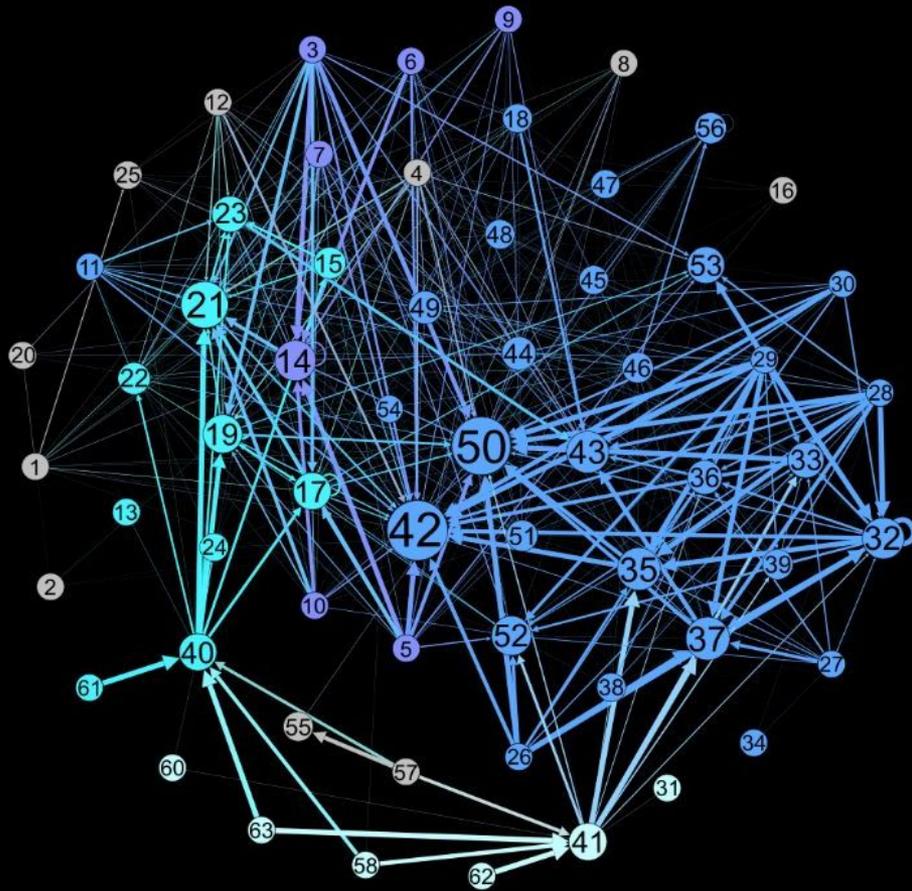
Rewiring and indirect effects underpin modularity reshuffling in a marine food web under environmental shifts

Bruno Hay Mele

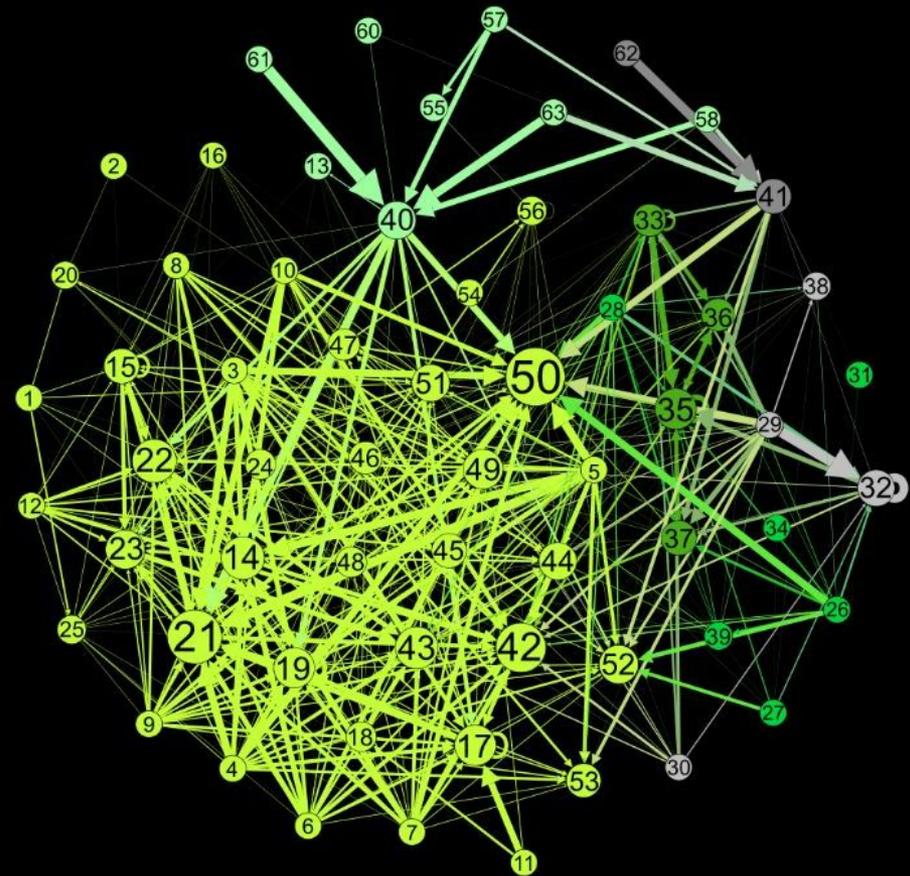
D'Alelio D, Jordan F, Libralato S, Ribera d'Alcalà M



Apparent trophic frenzy...

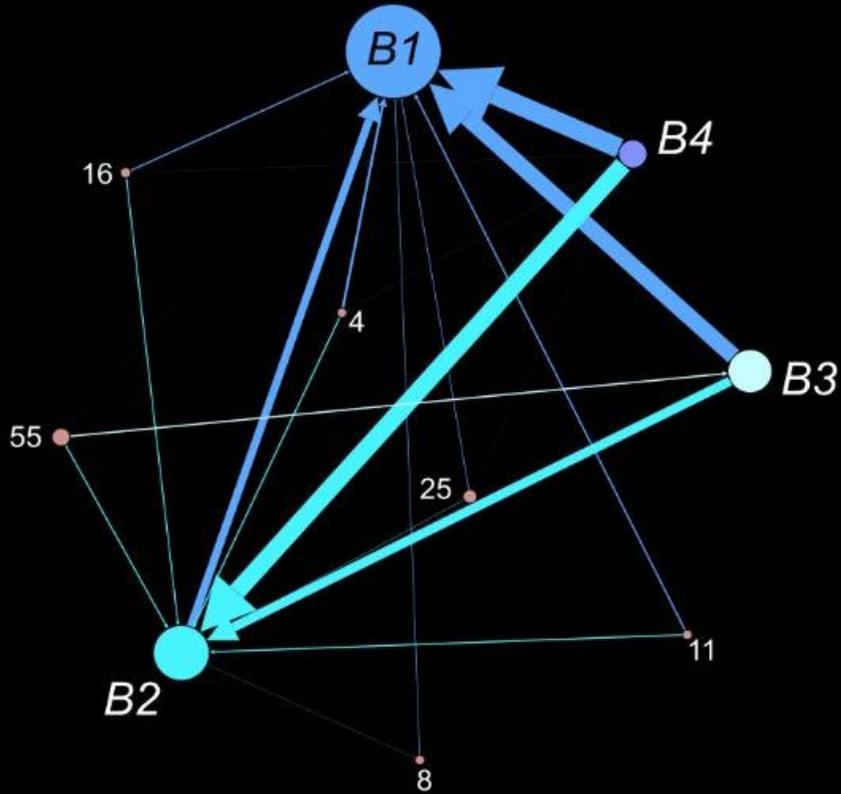


Oligotrophic

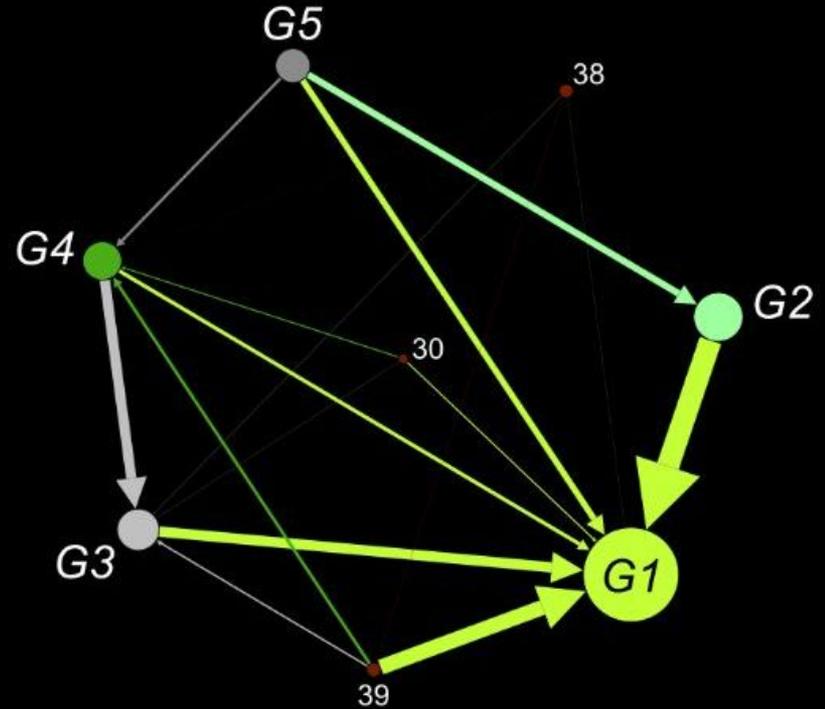


Eutrophic

...revealed as modular order

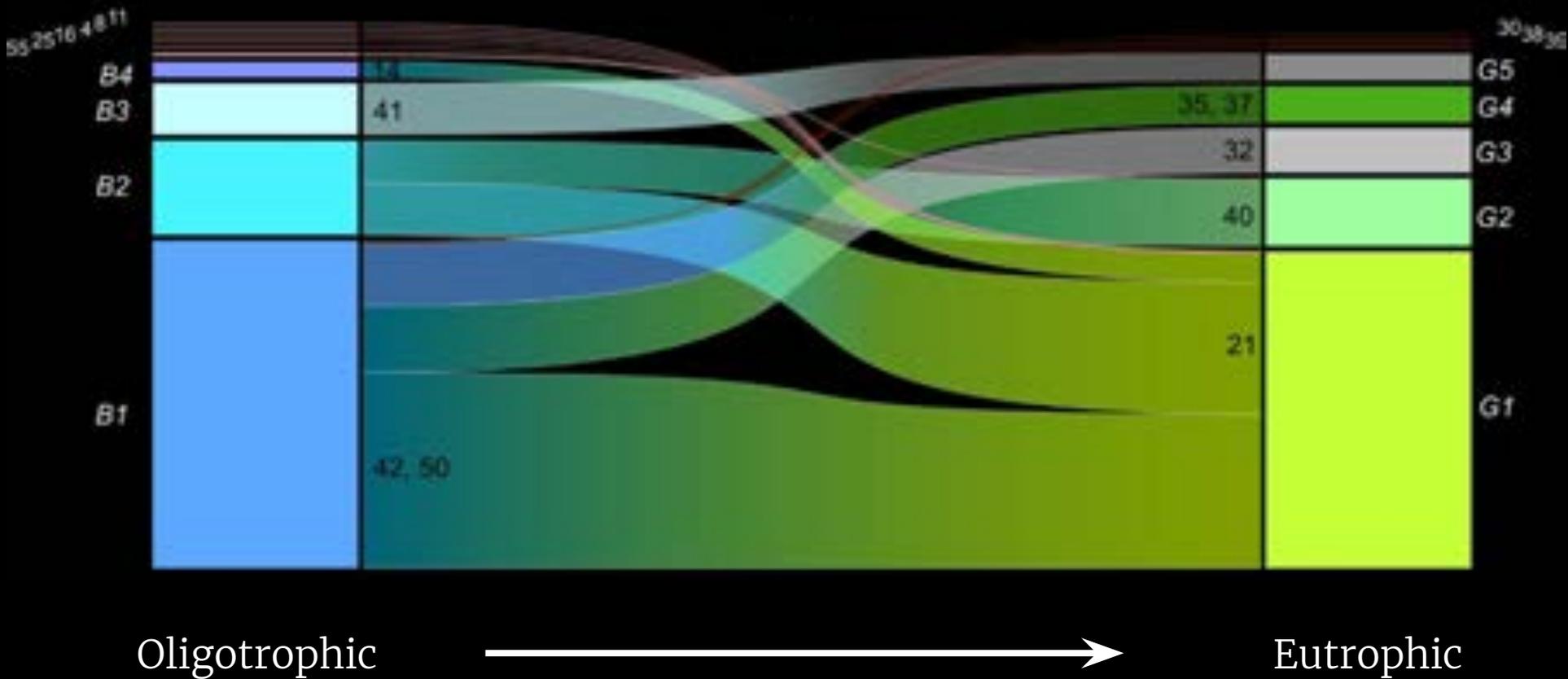


Oligotrophic



Eutrophic

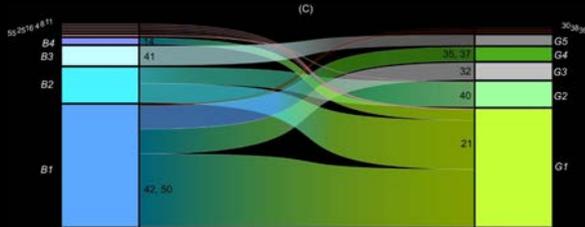
Species flow among modules



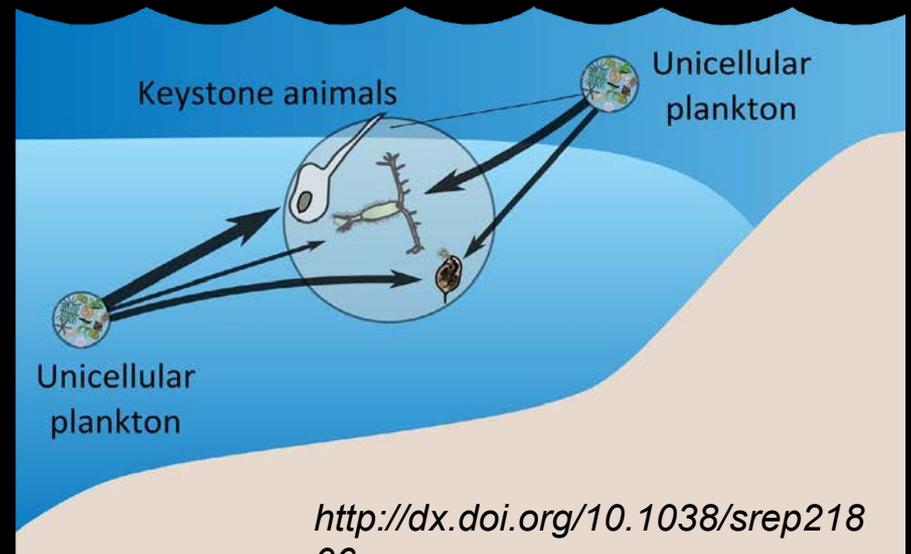
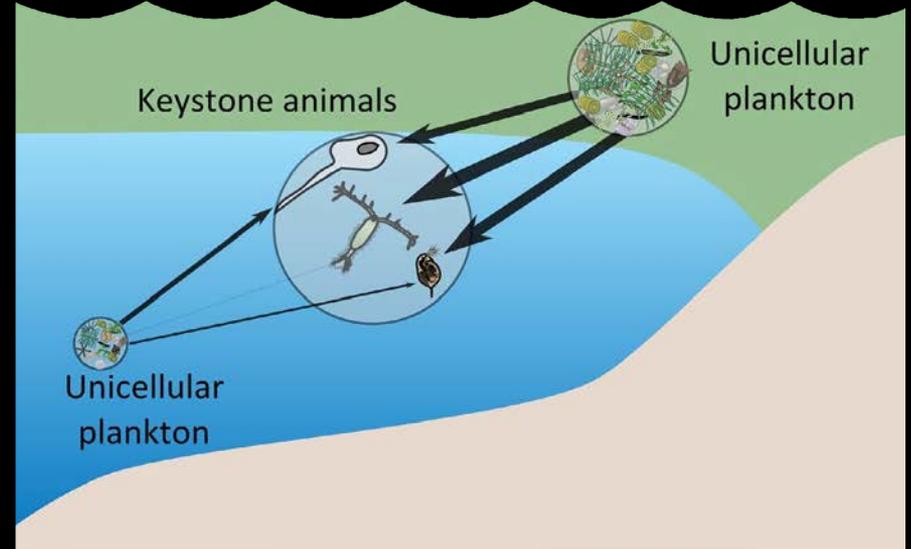
Wrapping it up



Environmental switch



Carbon flow rewiring



<http://dx.doi.org/10.1038/srep218>

- Weighted Overlap as indicators of environmental-driven change
- This would not have been possible using a co-occurrence network
- We need to increase our understanding of species-species interactions

Closing remarks

