

Mariève Bouchard Marmen¹, Philippe Archambault¹, Ellen Kenchington²

¹ Université du Québec à Rimouski, Institut des sciences de la mer, Rimouski, Quebec. ² Fisheries and Oceans Canada, Bedford Institute of Oceanography (BIO), Dartmouth, Nova Scotia.

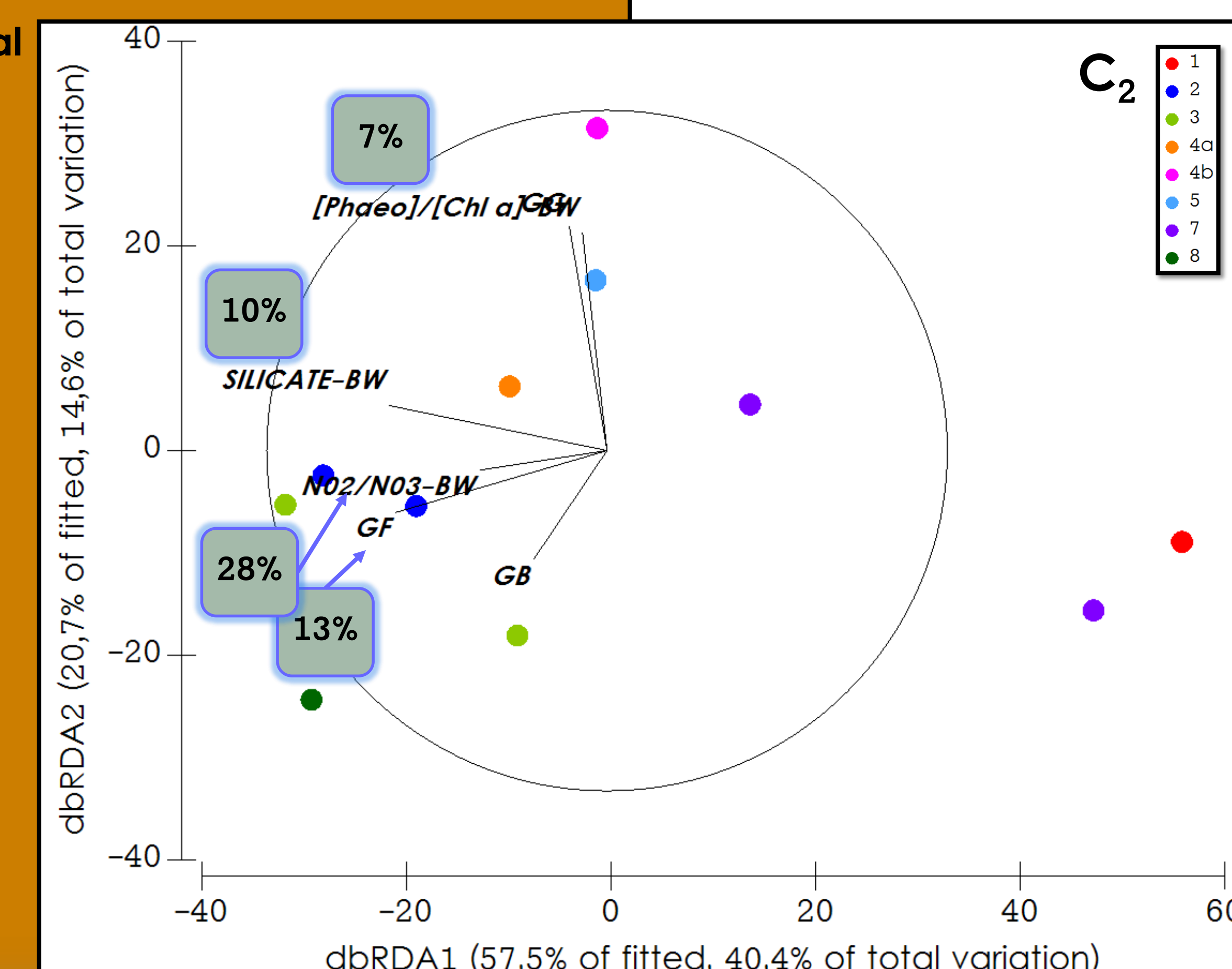
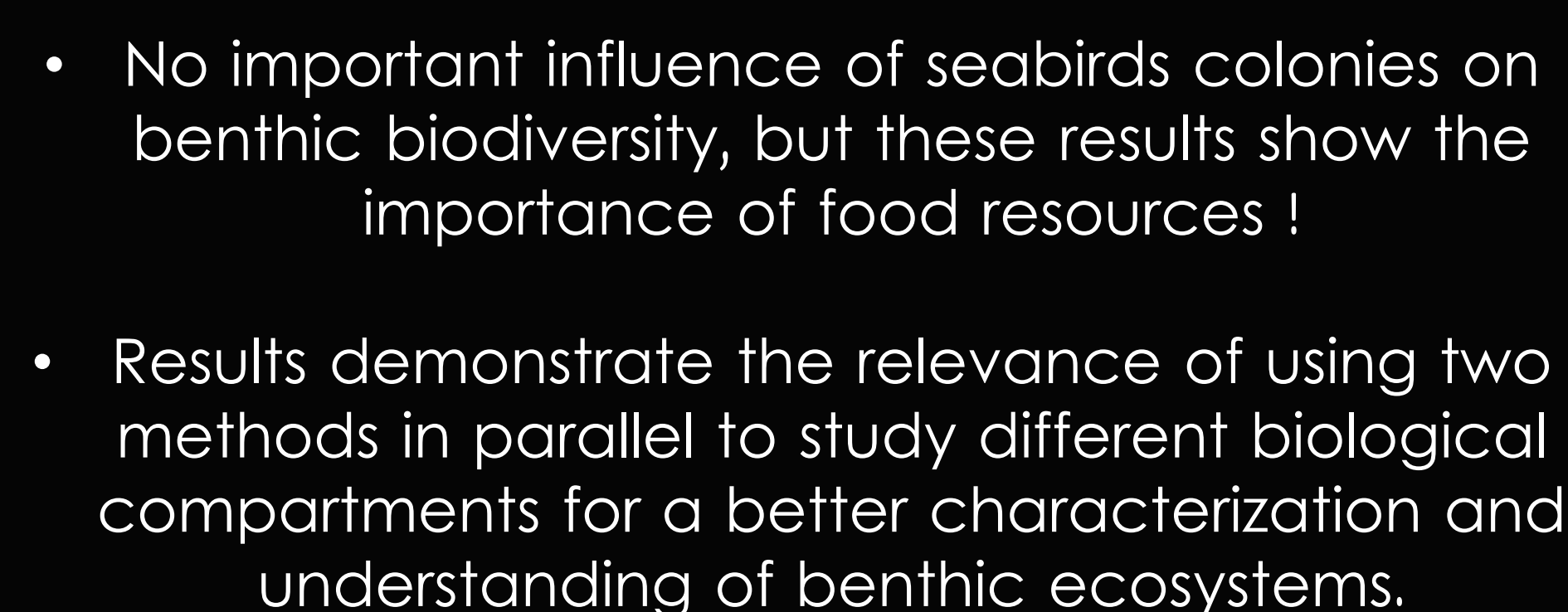
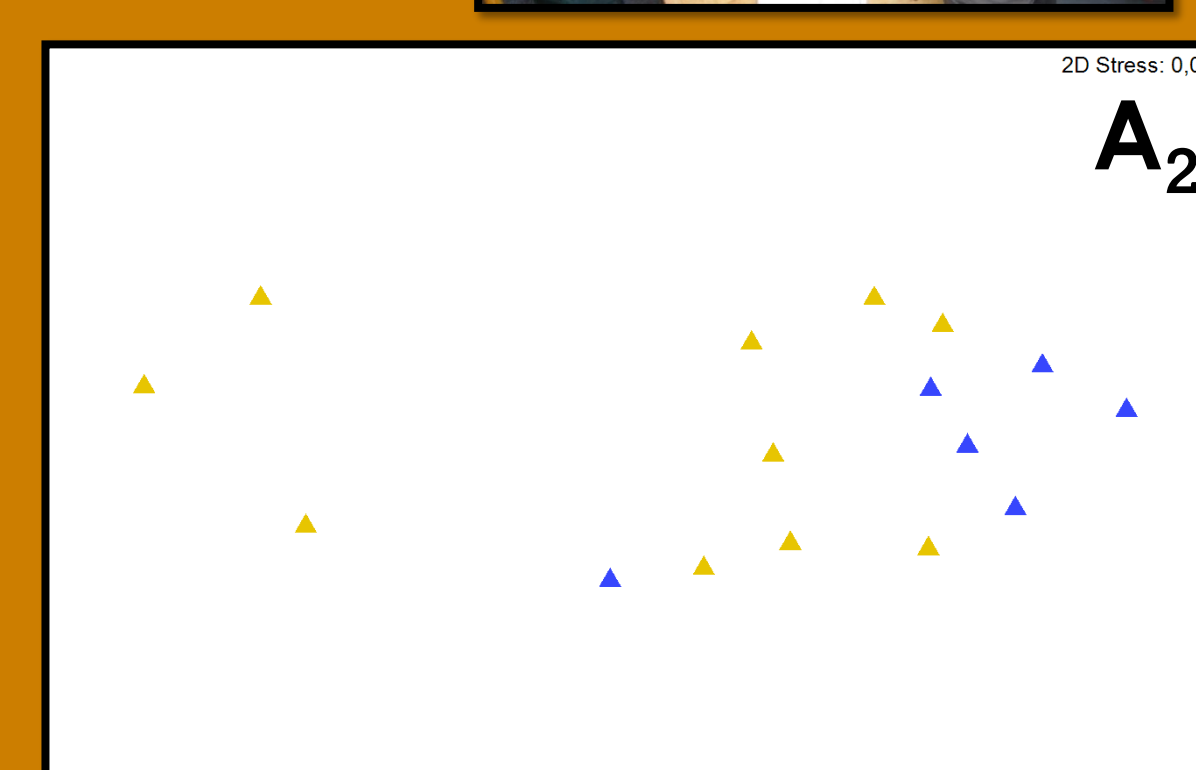
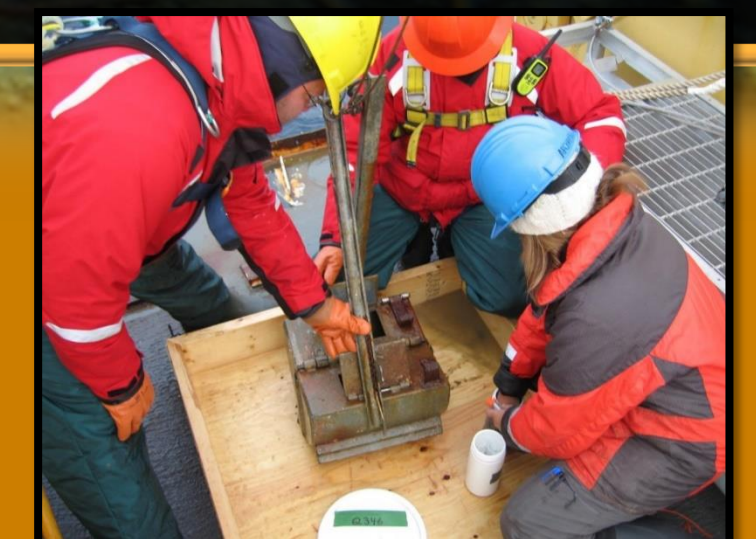
OBJECTIVES & HYPOTHESES

MATERIALS & METHODS

- **Sampling on board:** benthos (grabs and pictures), sediment, seawater (Chl *a* and nutrients filtrations).
- **Laboratory work:** Sorting and taxonomical identification : biodiversity, abundances, biomasses. Sediment and nutrients analyses (PO_4 , $\text{Si}(\text{OH})_4$, NO_3 , NO_2 , NH_4). Visual estimates of proportions of different sediment size classes.

RESULTS & DISCUSSION

GRAB : INFAUNA



Thanks to my benthic ecology lab (UQAR-ISMER), to Cindy Grant (UQAR-ISMER) for statistics and maps, to my nutrients and chlorophyll experts Jonathan Gagnon (LAVAL) and Marjolaine Blais (UQAR-ISMER), to specialists and friends from BIO and other crew members who sailed with me. I am thankful to CRSNG and ArcticNet for the financial support.