

CBMP Sea Ice Biota

(monitoring?)

Where?

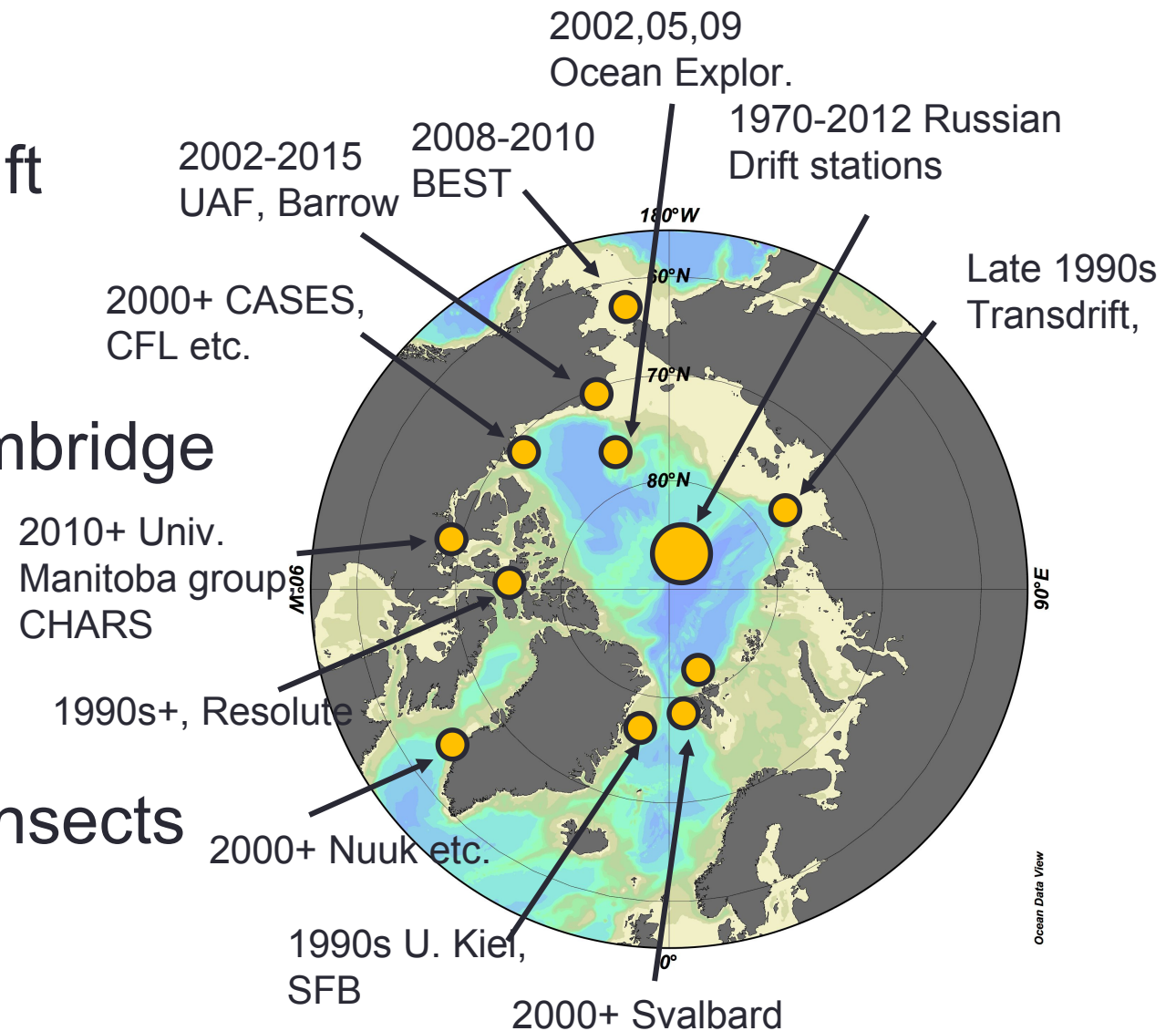
Who?

What?



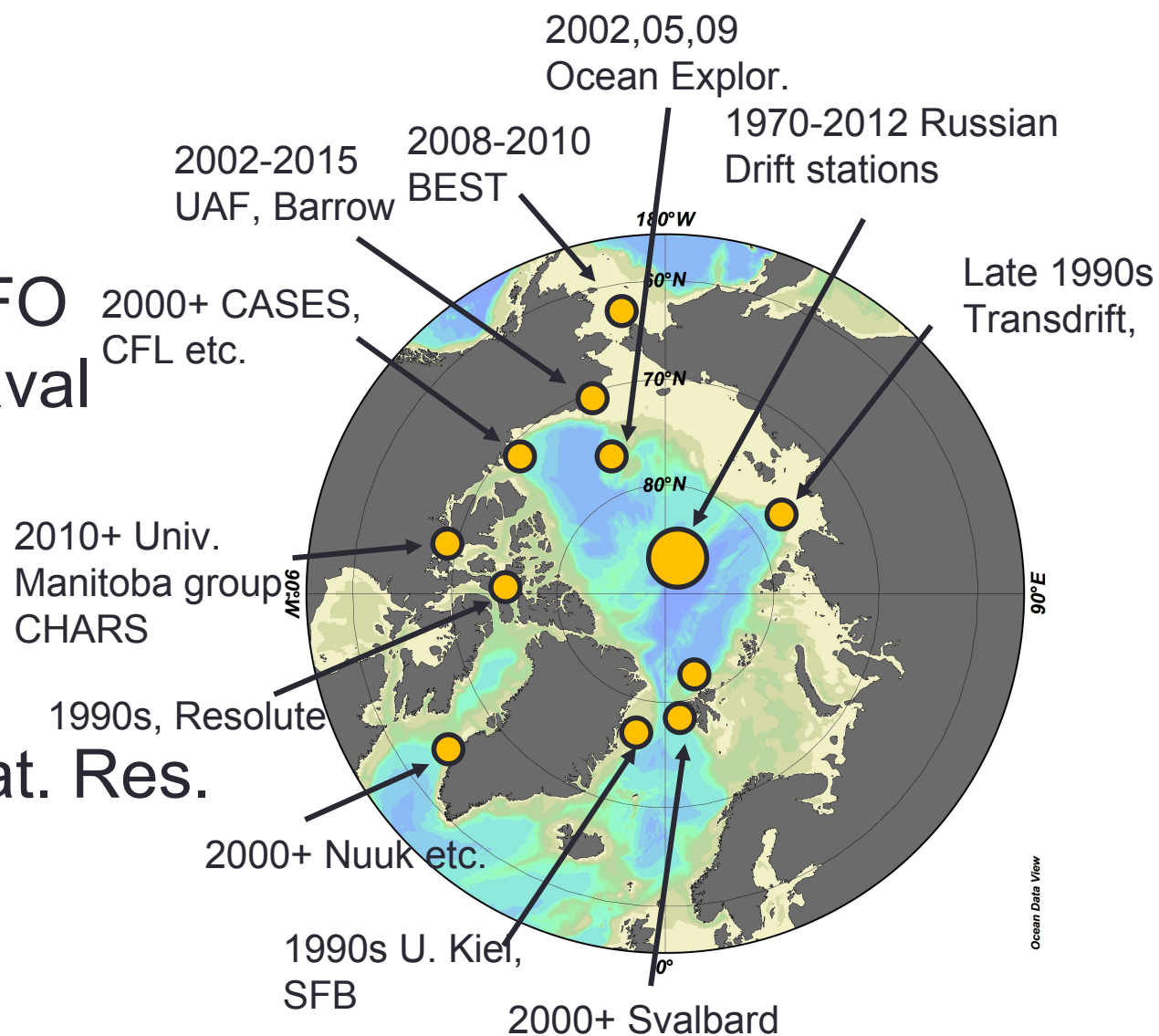
Where?

- Russian ice drift stations
- Svalbard
- Resolute / Cambridge Bay
- Greenland
- Barrow
- Ship-board transects



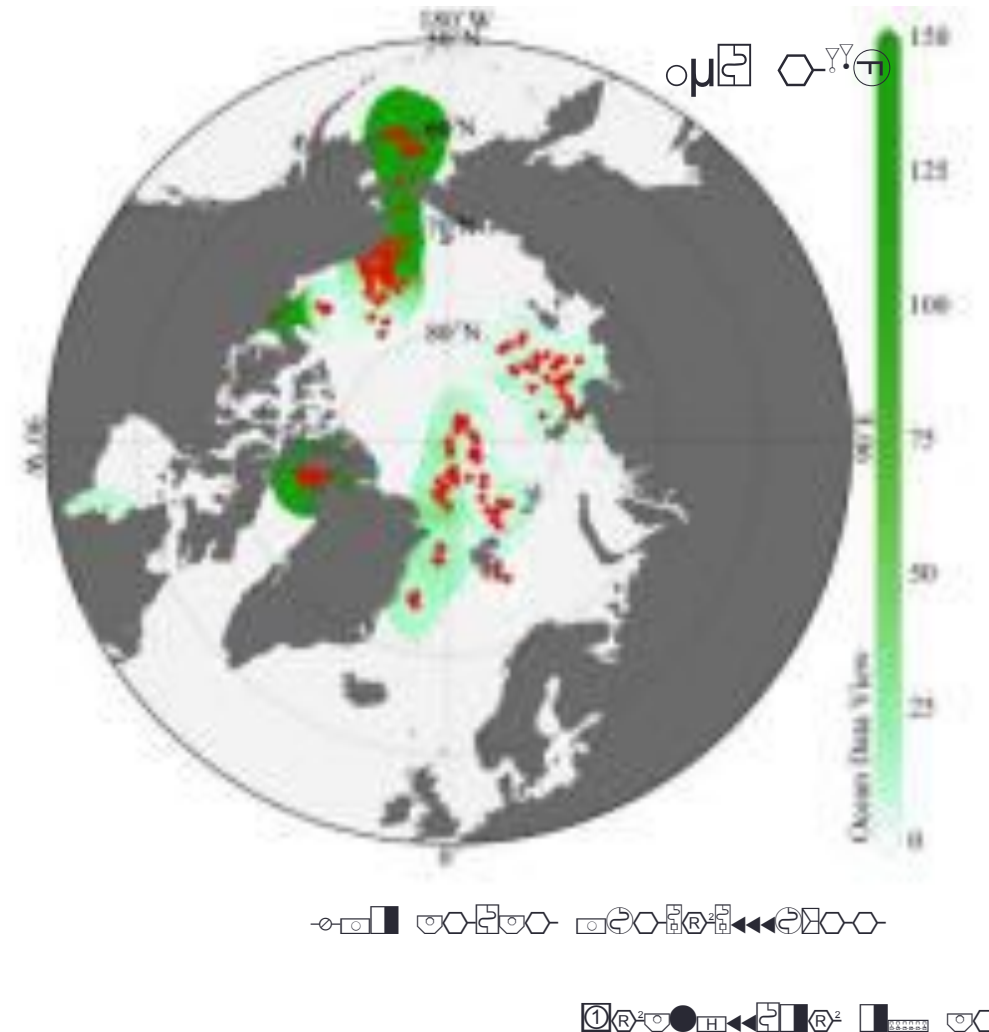
Who?

- Shirshov
- U Manitoba, DFO
Winnipeg, U Laval
- UNIS, NPI
- AWI, IPOE
- UAF, UW etc.
- Greenl. Inst. Nat. Res.
- ...



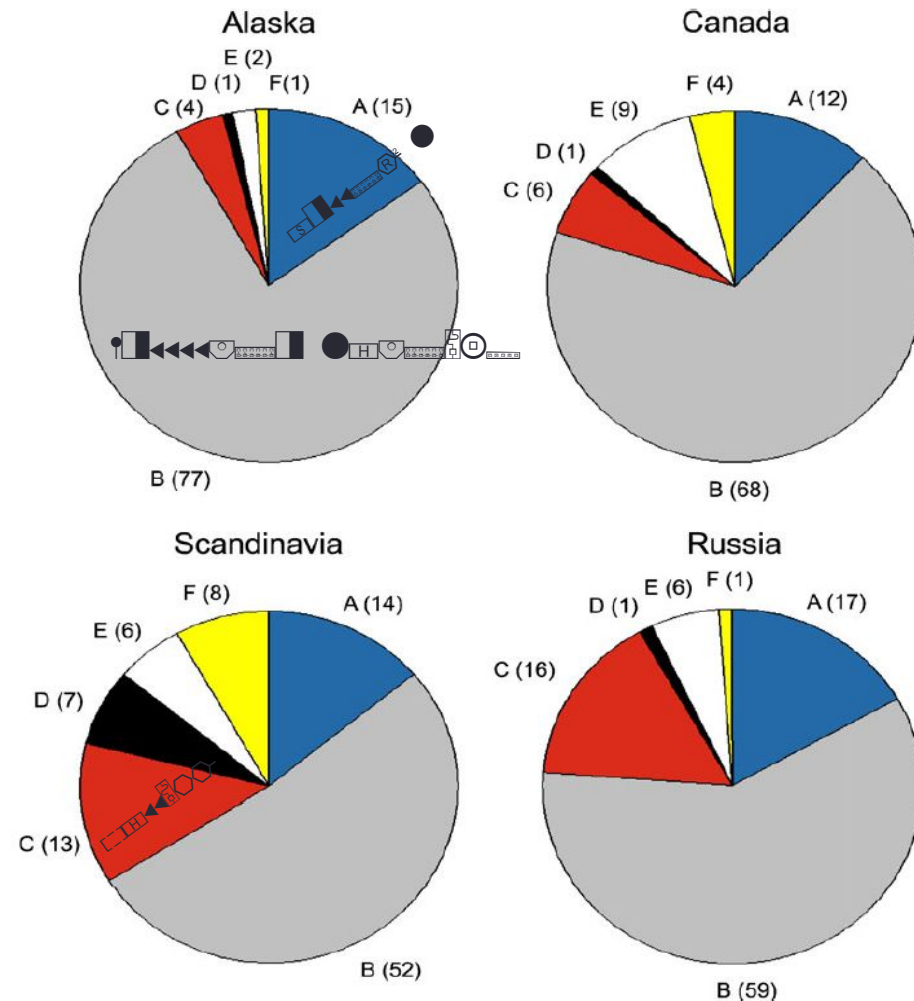
What?

- Inventories
- Primary production
- Time series
- Role in food web
- Single species focus
 - *Boreogadus saida*
 - Ivory gull
 - Marine mammals
 - (other CBMP groups)



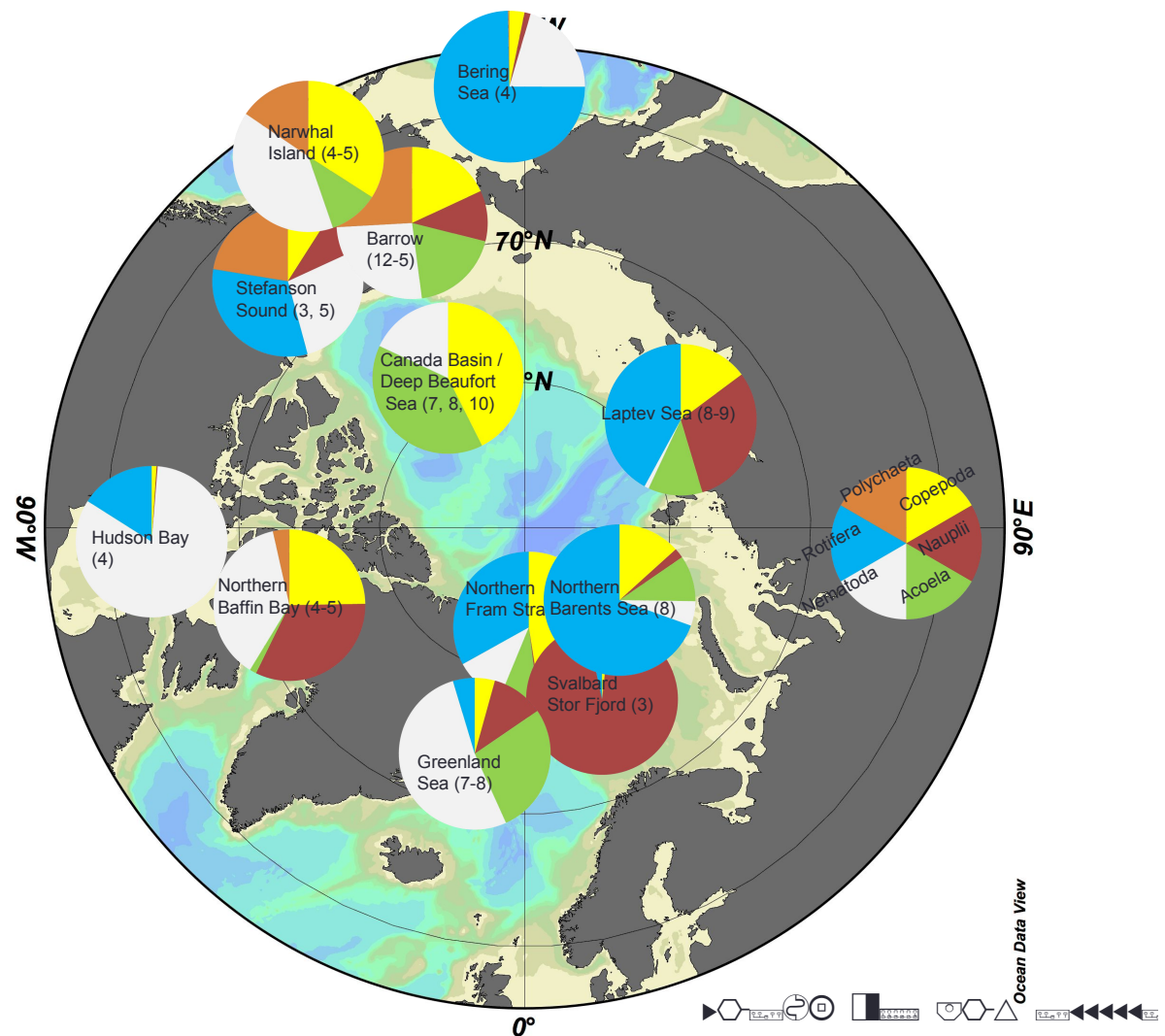
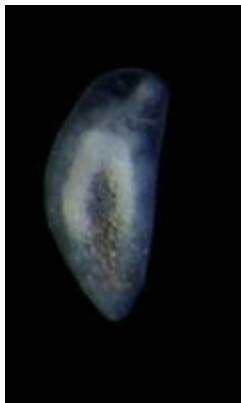
Inventories: Protozoans, Ice algae

- >1,000 ice algae
- Cells >20 μm best represented



Inventories: Meiofauna (coarse)

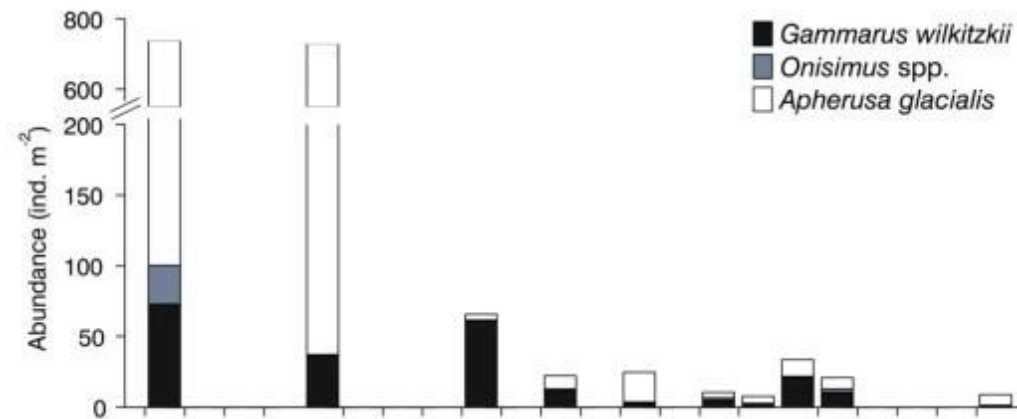
- ~20 μm – 1 mm
- Dominated by nematodes, acoel flatworms, rotifers, nauplii, benthic larvae



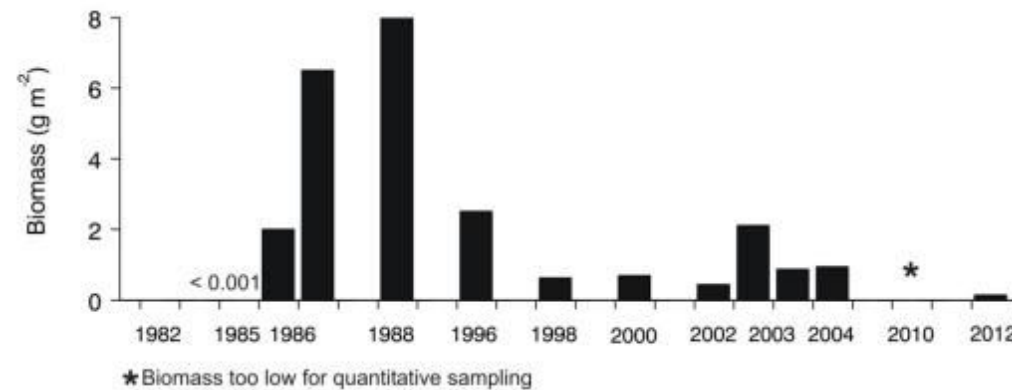
Time series

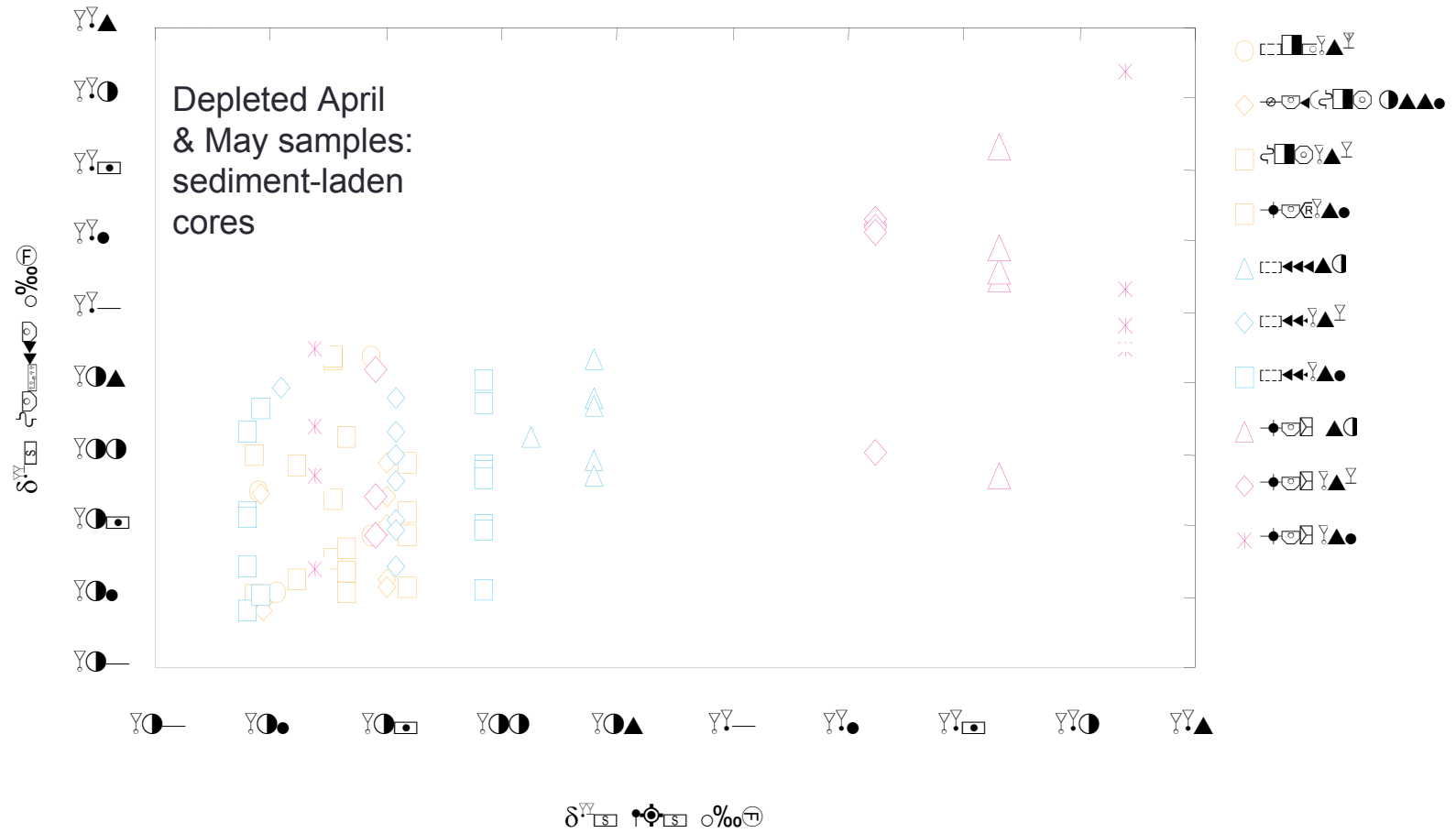
Macrofauna trends around Svalbard (July-September, 1982-2012)

Abundance



Biomass
(all species combined)





Discussion points, what to do next?

- Taxonomic inventories?
- Monitoring plan? (Fate of Russian drift stations?)
- State of the Arctic Marine Biodiversity report