



# Composition of Antarctic krill oil and methods for its harvesting, production and qualitative and quantitative analysis.

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## Agenda

- **Introduction - a few words about krill**
- **What does krill contain?**
- **How do we analyze krill and krill lipids?  
- and some cumulative data.**
- **Final words**



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## Nomenclature and abbreviations

FA	fatty acid	
EPA	eicosapentaenoic acid	20:5 n-3
DHA	docosahexaenoic acid	22:6 n-3
DPA	docosapentaenoic acid	22:5 n-3
ASX	Astaxanthin	
NMR	nuclear magnetic resonance	
GC	Gas chromatography	
LC	Liquid chromatography	
HPLC	High pressure liquid chromatography	
MS	Mass spectrometry	
FID	Flame ionization detection	



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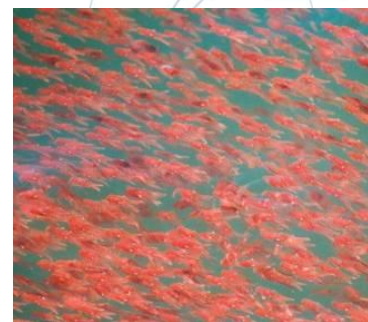
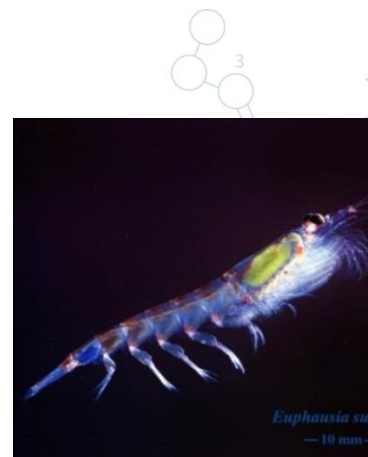
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## Antarctic Krill - *Euphausia Superba*

- Zoo plankton (crustacean)
- Antarctic food chain
- Worlds largest biomass
- Harvesting challenges
- Catch is regulated by CCAMLR



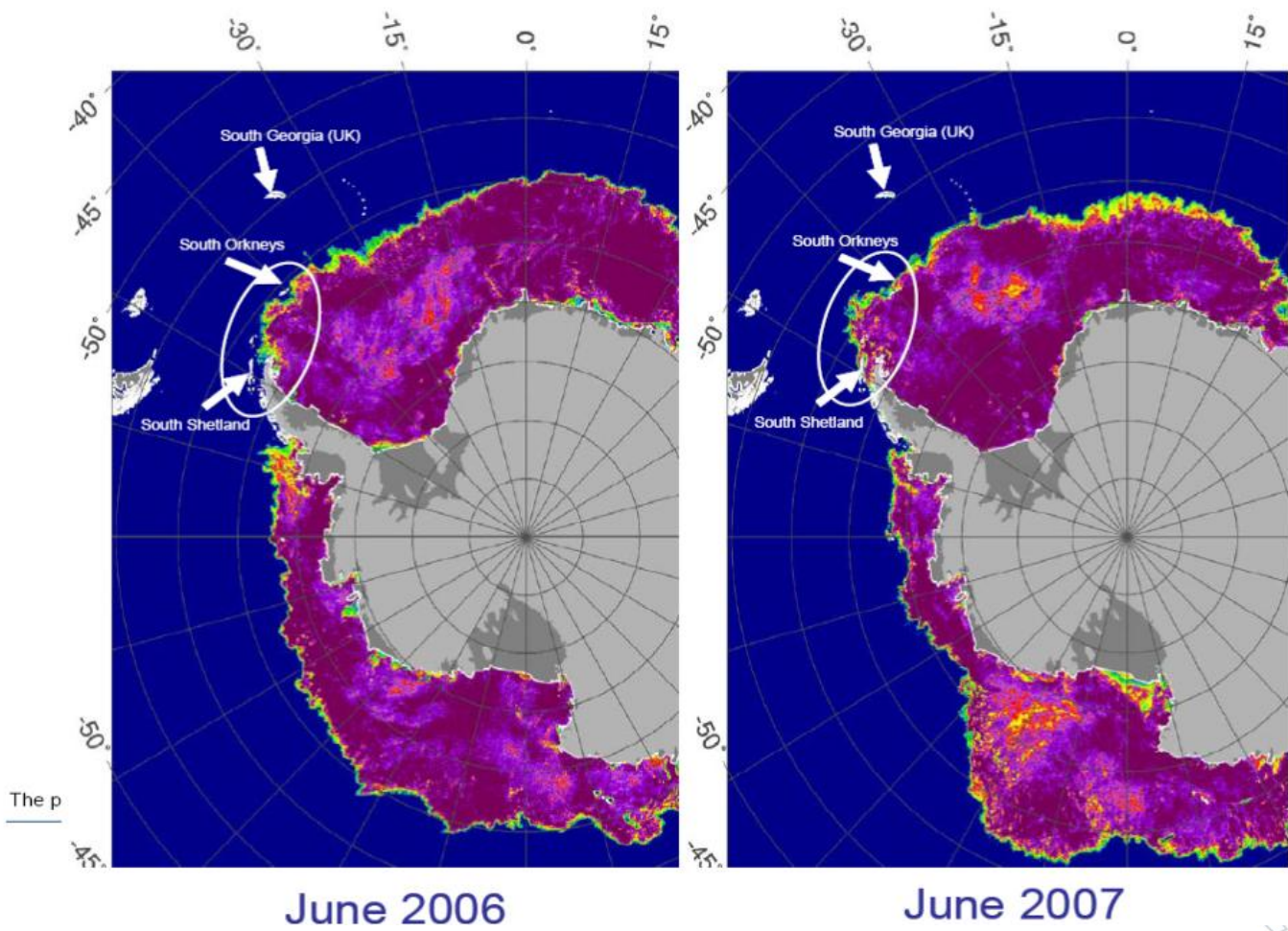
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## Harvesting area and ice conditions



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