











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





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

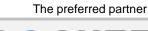
GC Gass chromatography

LC Liquid chromatography

HPLC High pressure licuid chromatography

MS Mass spectrometry

FID Flame ionization detection







Antarctic Krill - Euphausia Superba

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







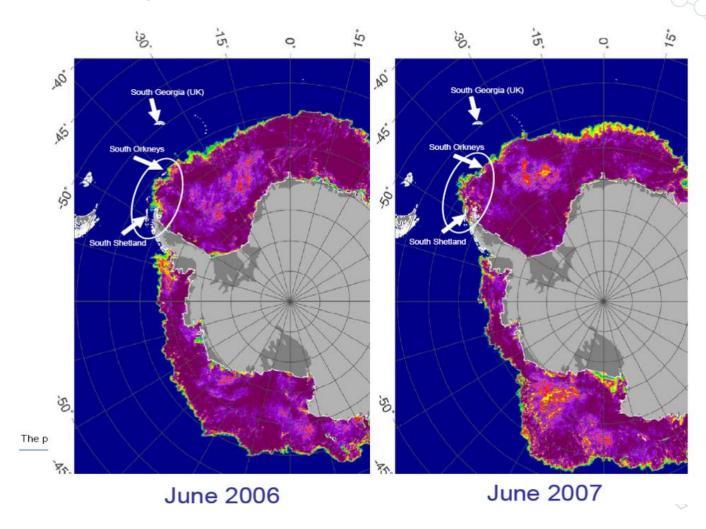








Harvesting area and ice conditions







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