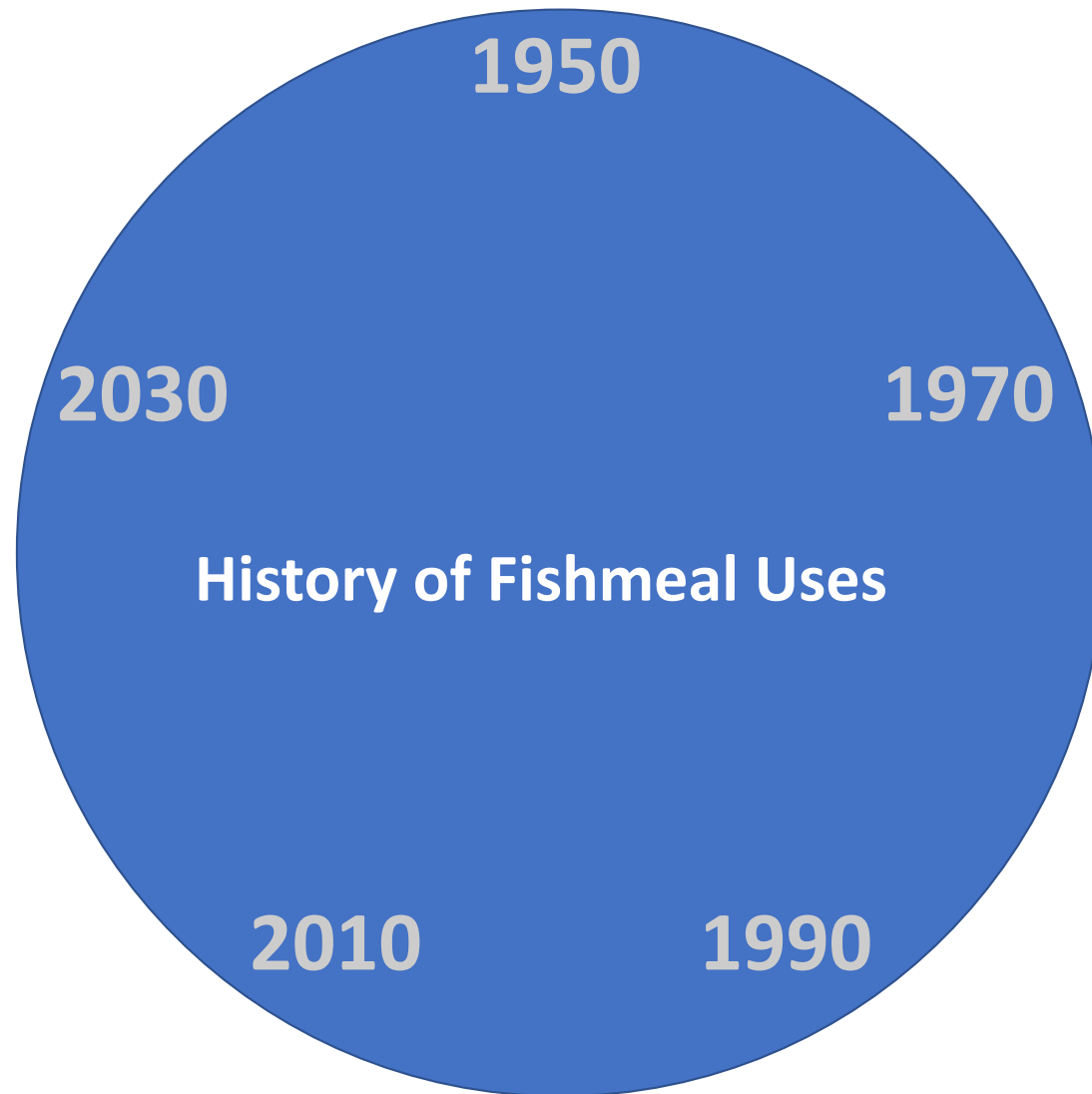




Fishmeal





Fishmeal

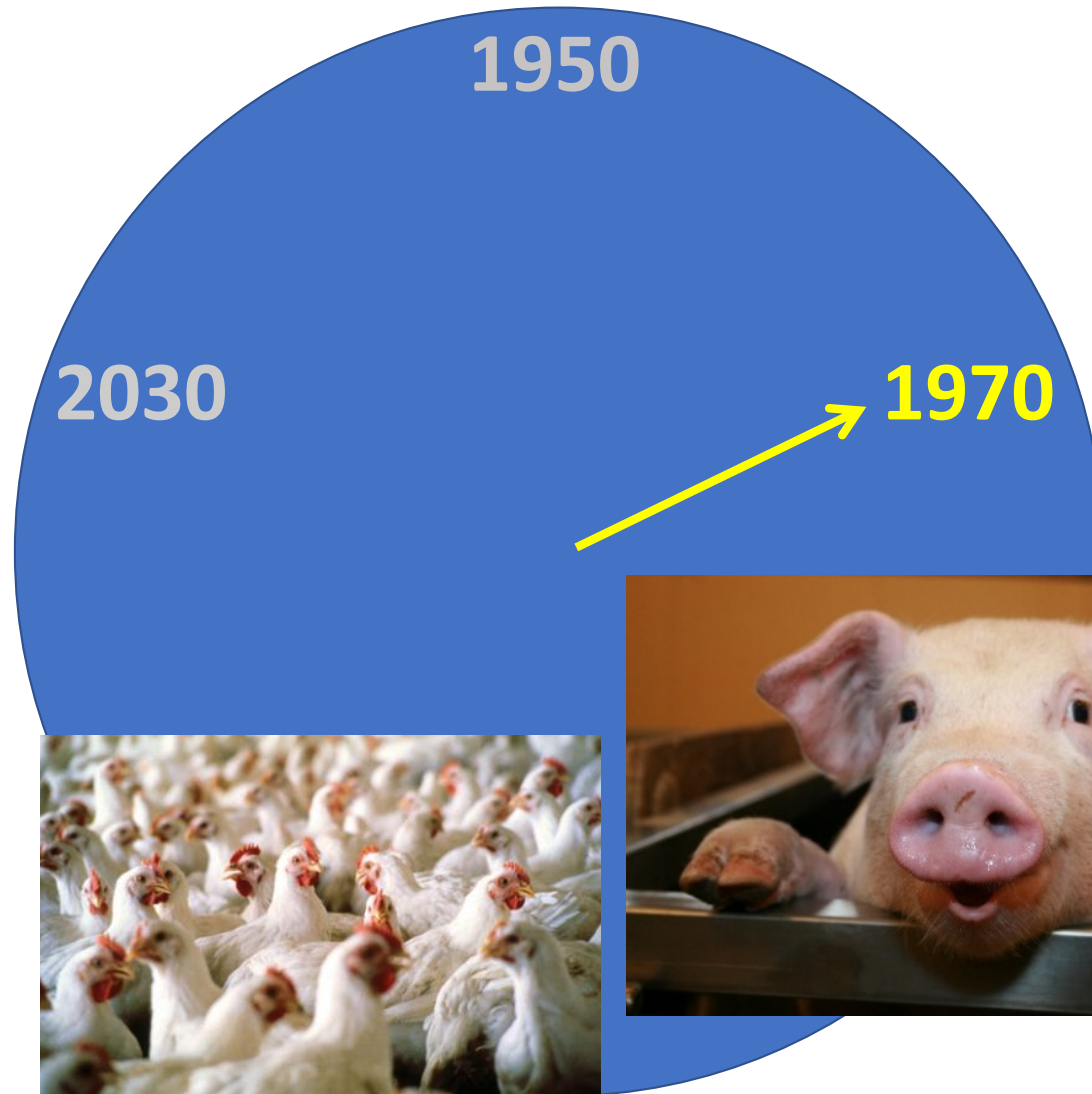
1950

2030





Fishmeal





Fishmeal

1950

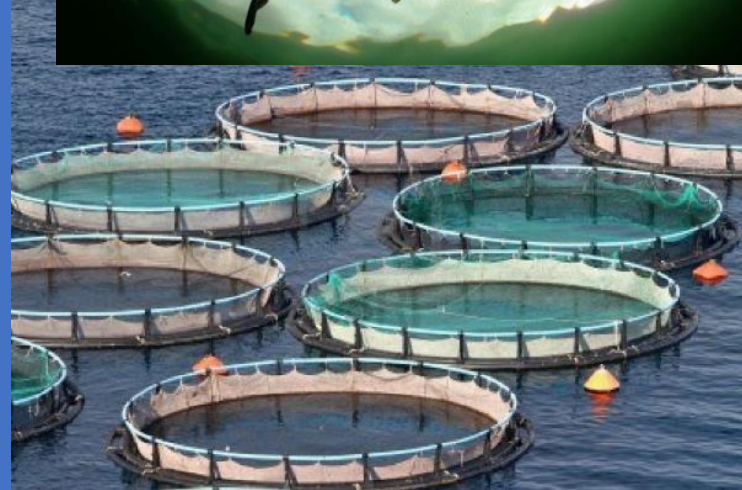
2030



1990



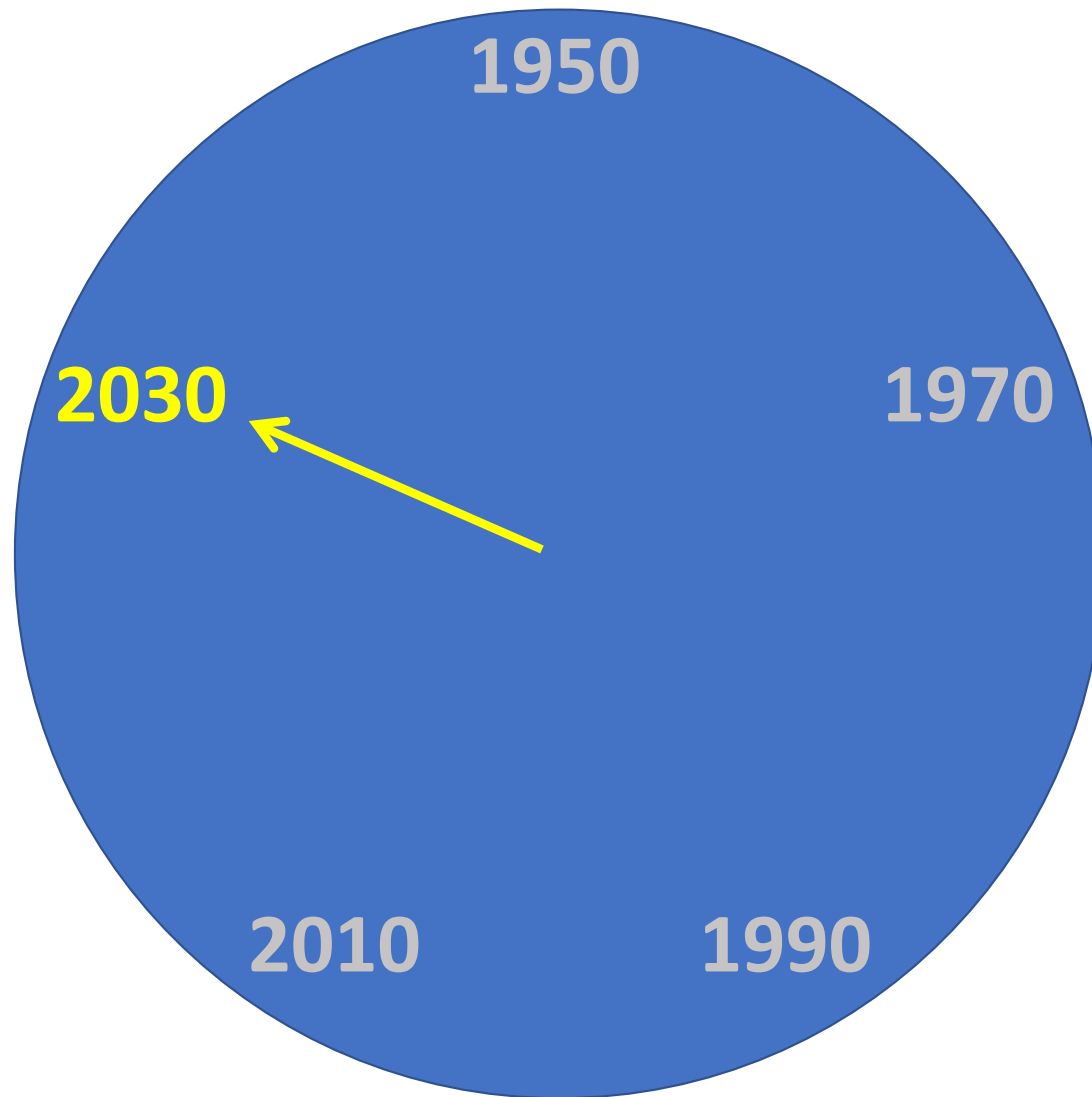
Fishmeal



2010

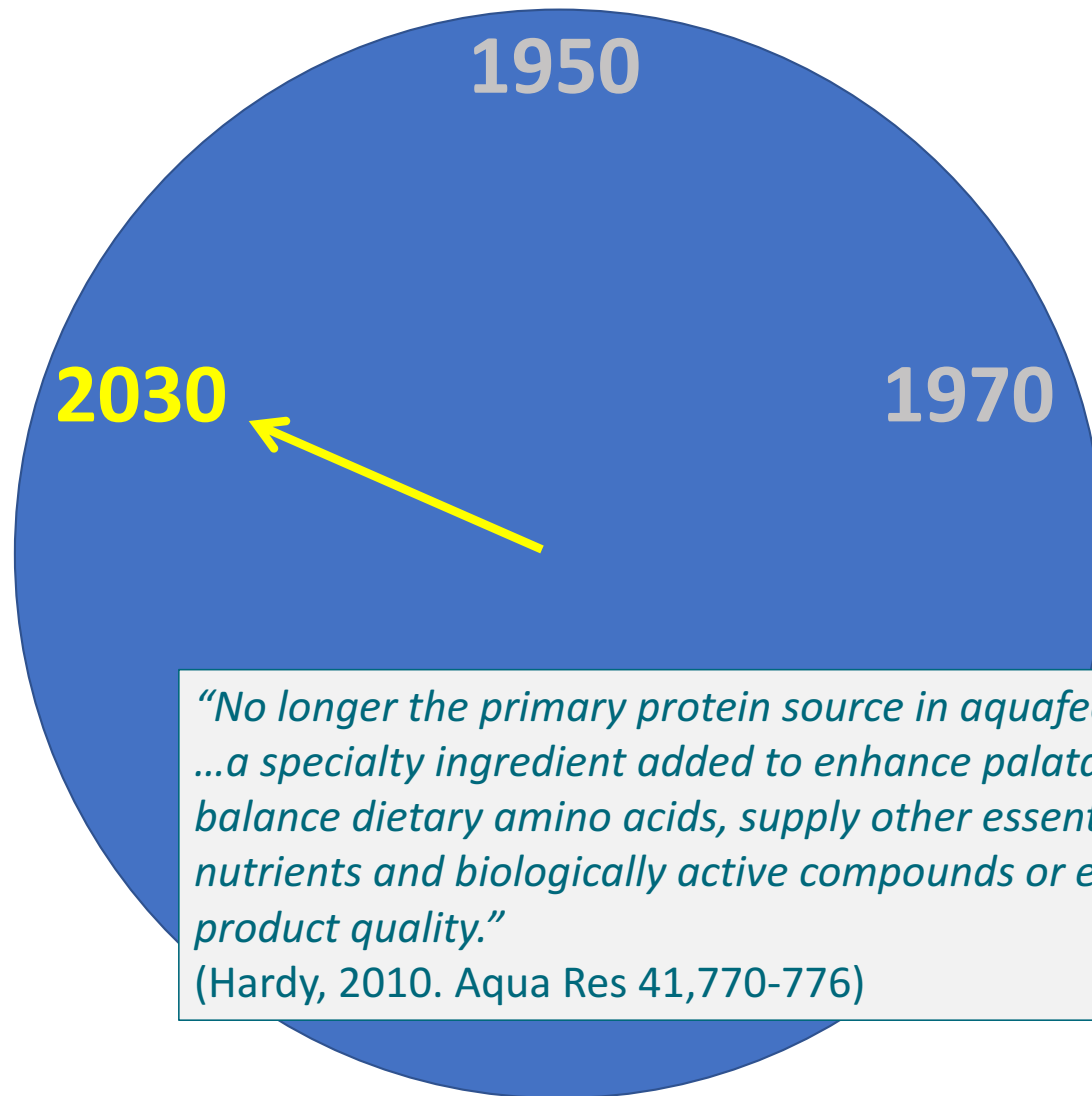


Fishmeal





Fishmeal

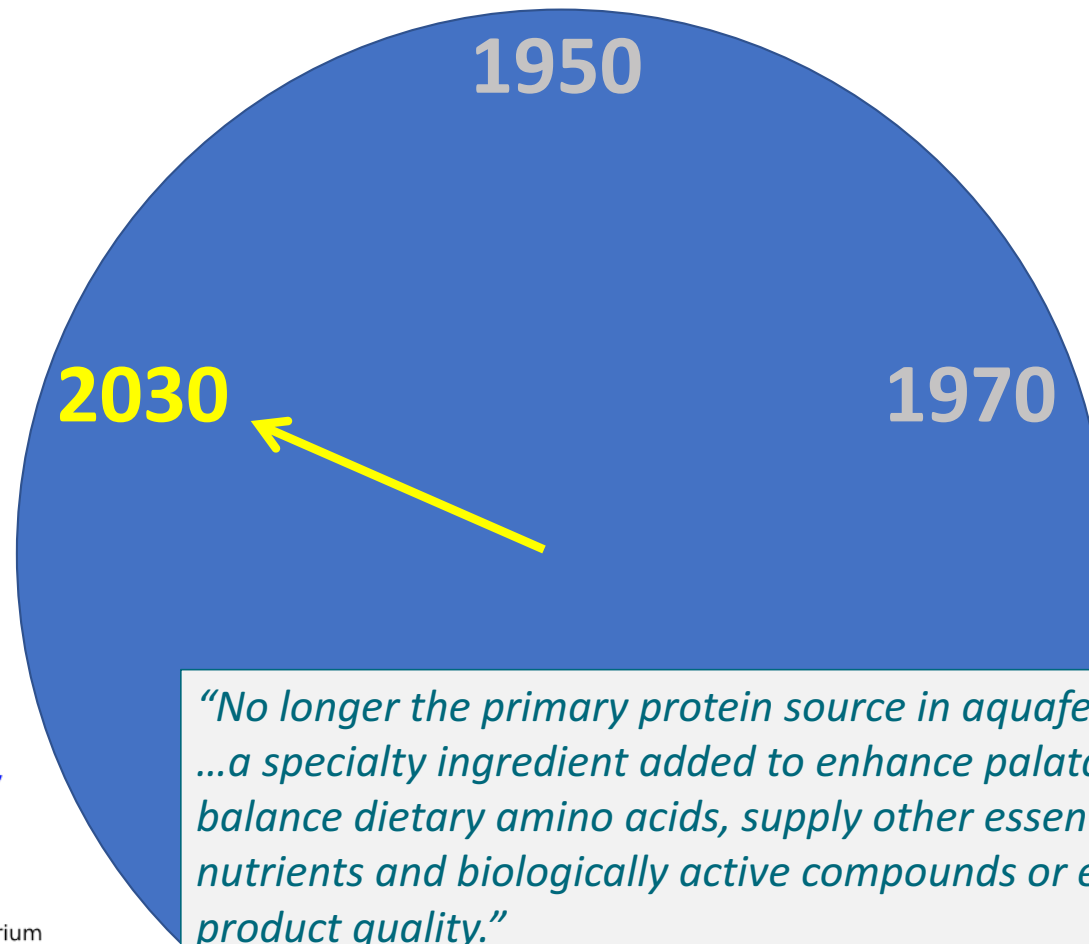


*“No longer the primary protein source in aquafeeds...
...a specialty ingredient added to enhance palatability,
balance dietary amino acids, supply other essential
nutrients and biologically active compounds or enhance
product quality.”*

(Hardy, 2010. Aqua Res 41,770-776)



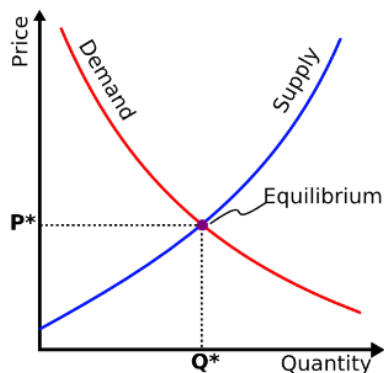
Fishmeal



*"No longer the primary protein source in aquafeeds...
...a specialty ingredient added to enhance palatability,
balance dietary amino acids, supply other essential
nutrients and biologically active compounds or enhance
product quality."*

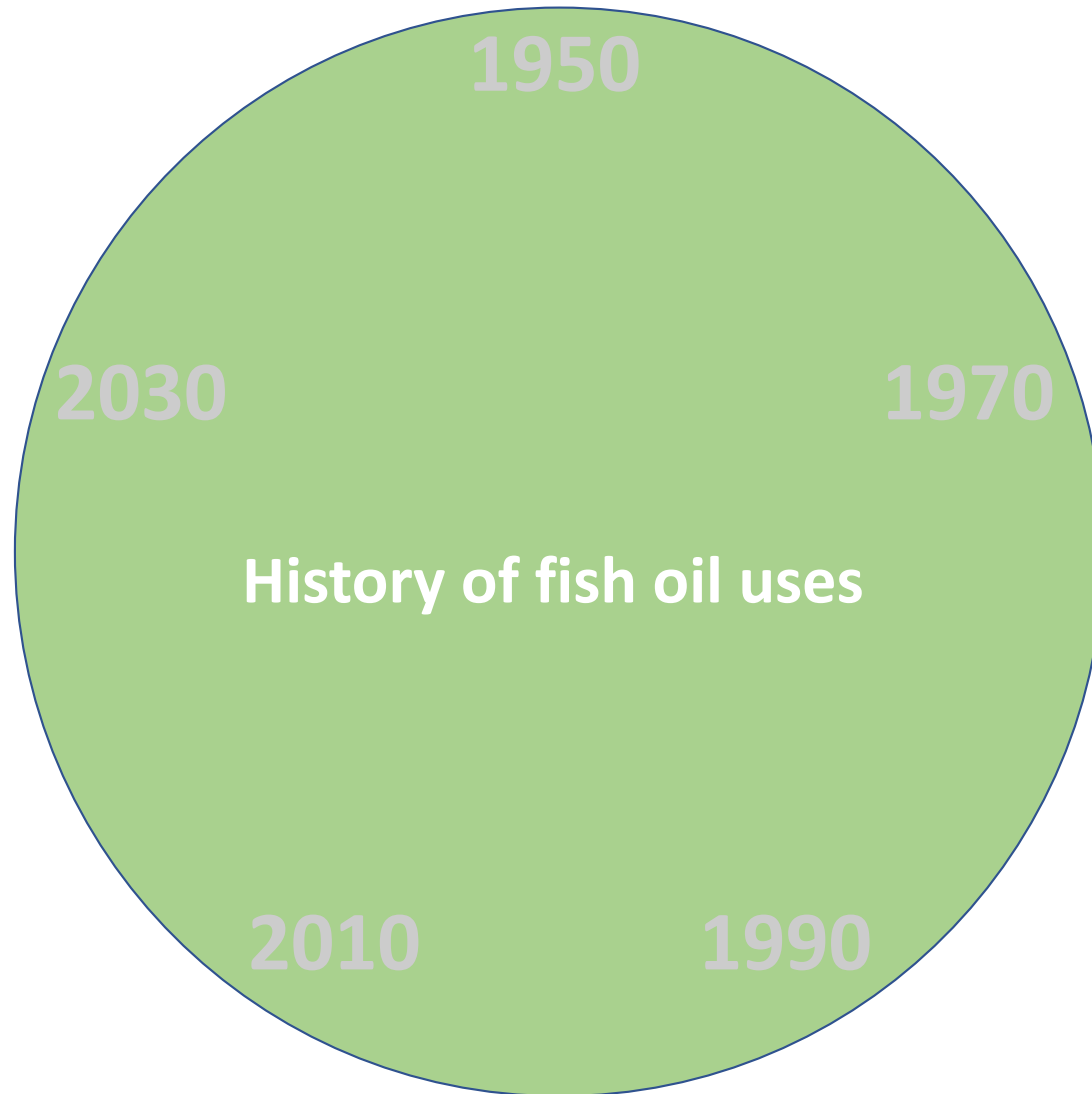
(Hardy, 2010. Aqua Res 41,770-776)

≈ supply; ↓ demand; \$ "hopefully" under control...



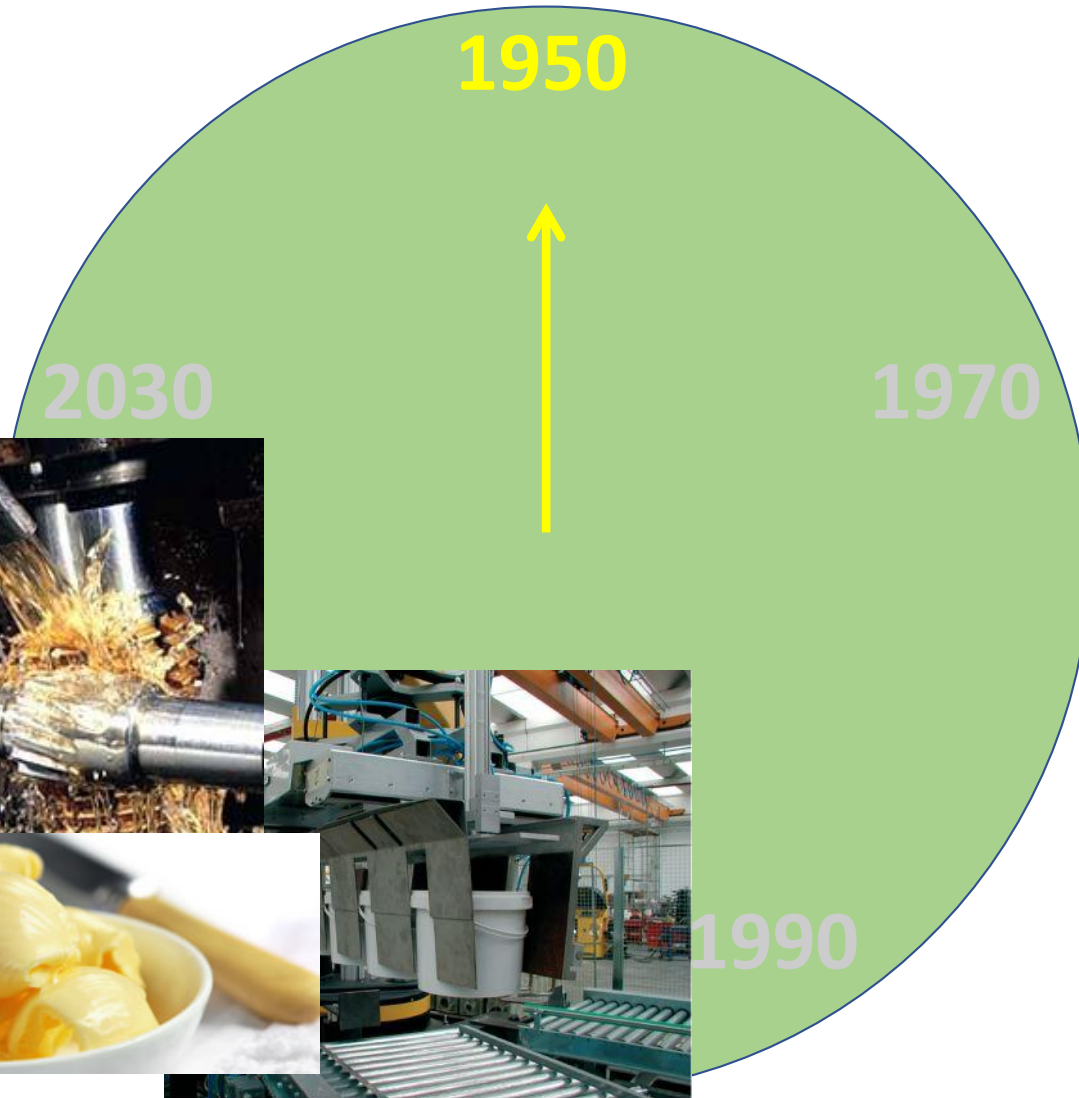


Fish oil



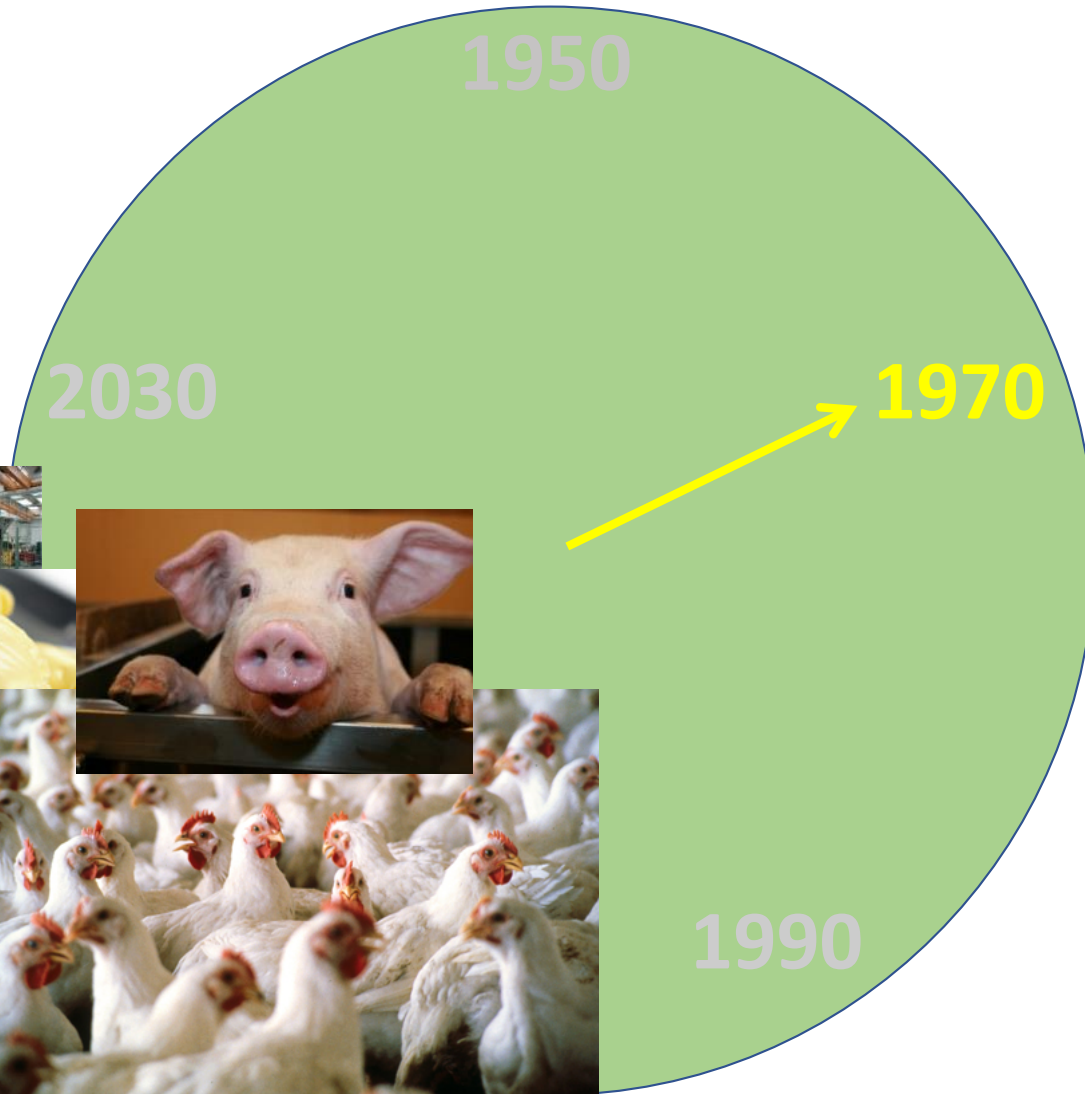


Fish oil





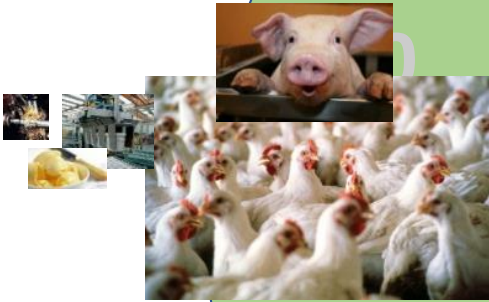
Fish oil





Fish oil

1950



1990



Fish oil



2030

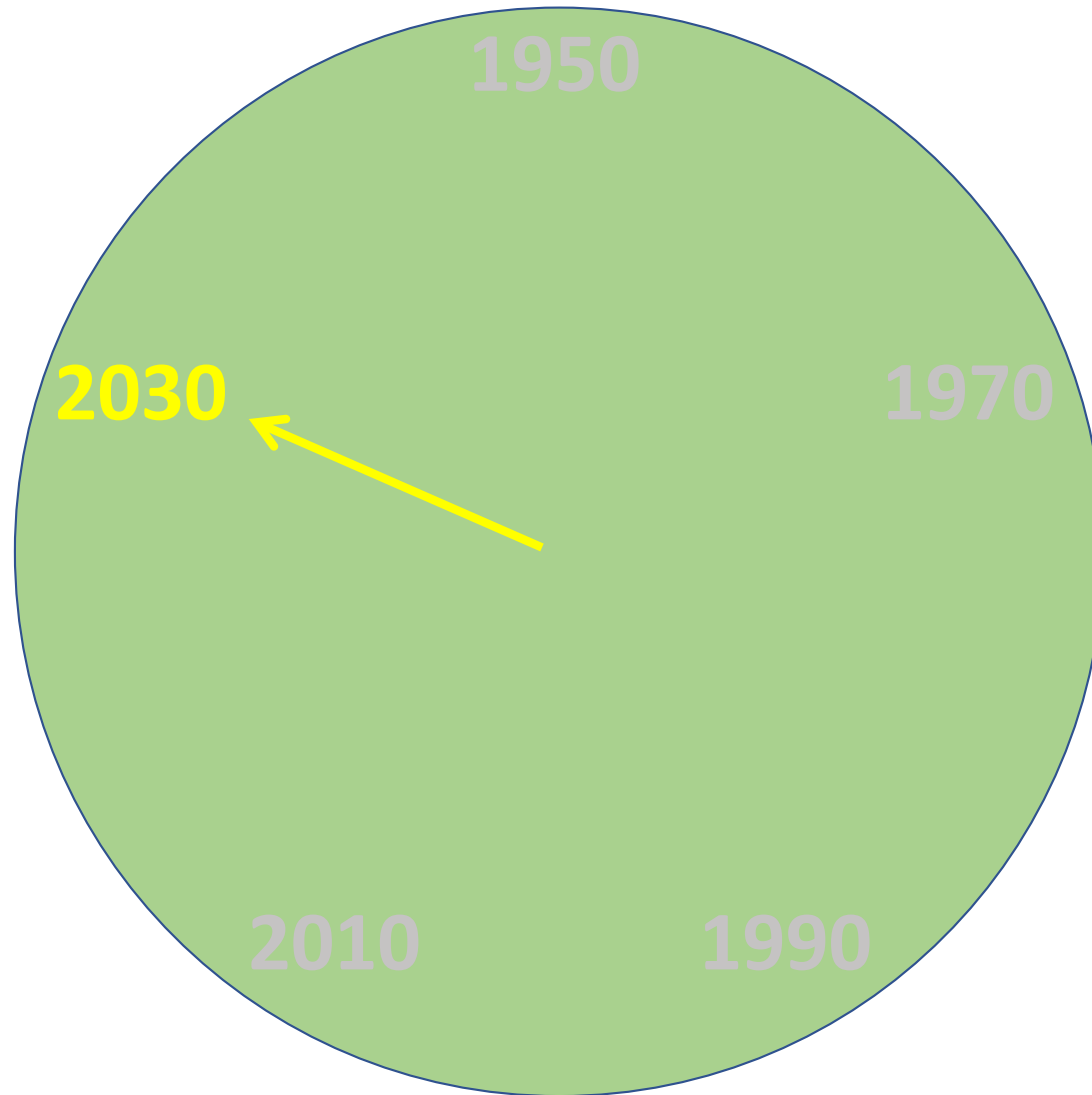


2010

1990



Fish oil





Fish oil



“That market would be the nutraceutical market, not aquaculture!”

Anthony P. Bimbo (2009) 99th AOCS Annual Meeting & Expo in
Seattle, Washington, USA, May 19, 2008