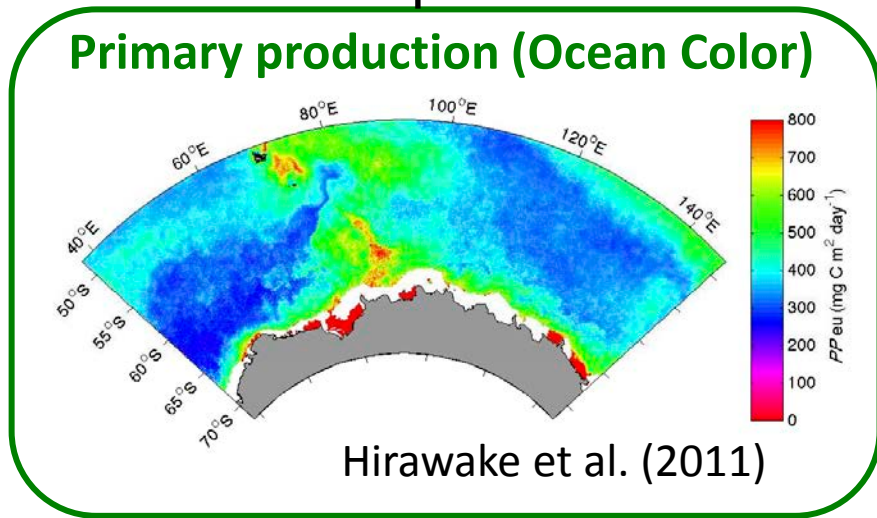
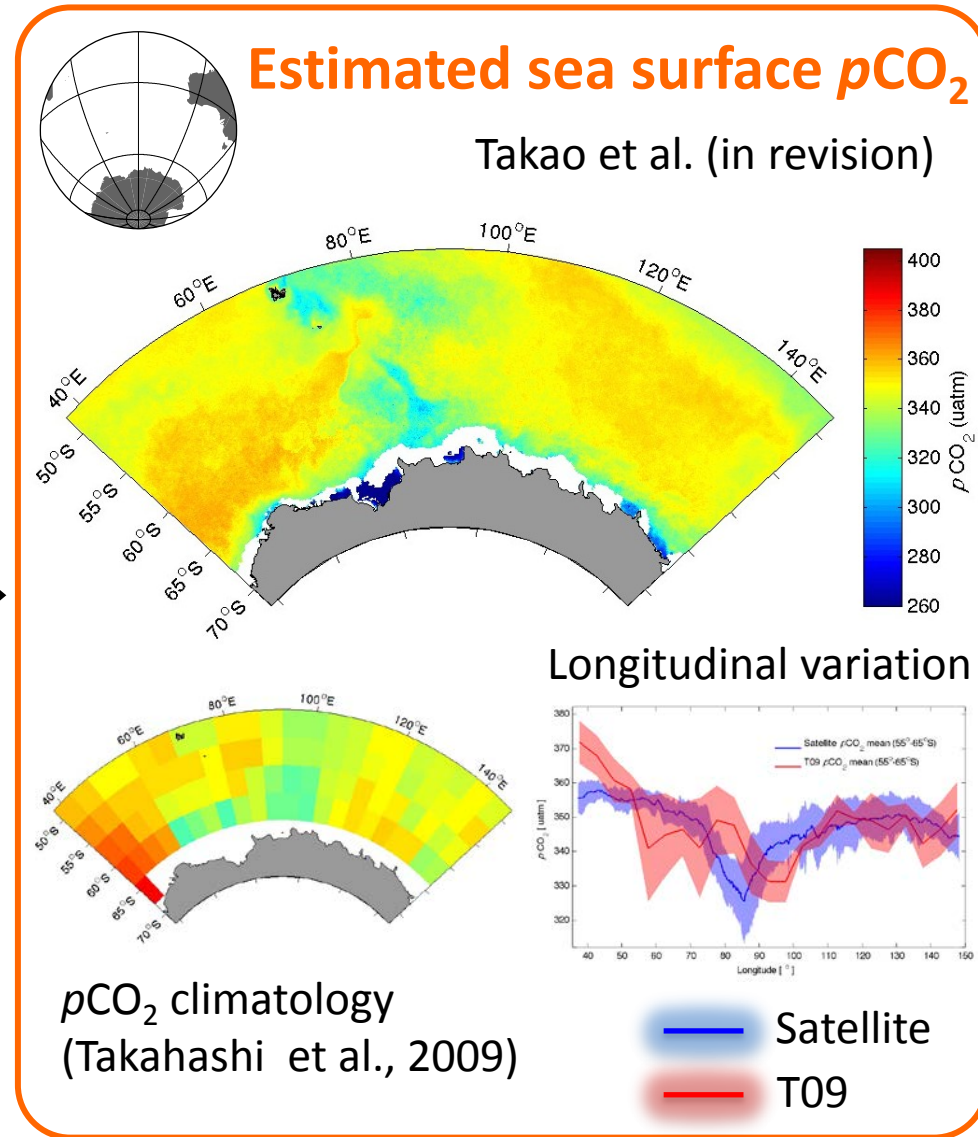
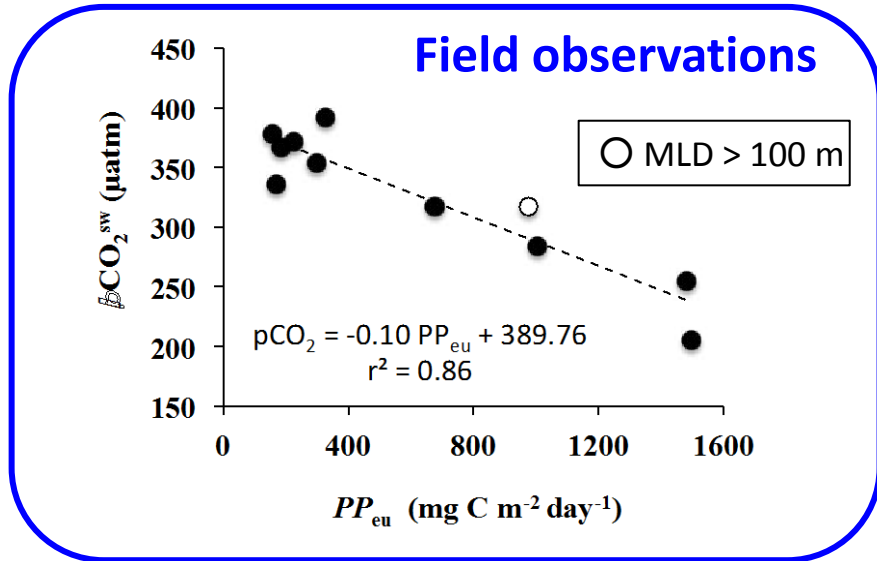


Phytoplankton size/group, primary production and $p\text{CO}_2$ in the Southern Ocean

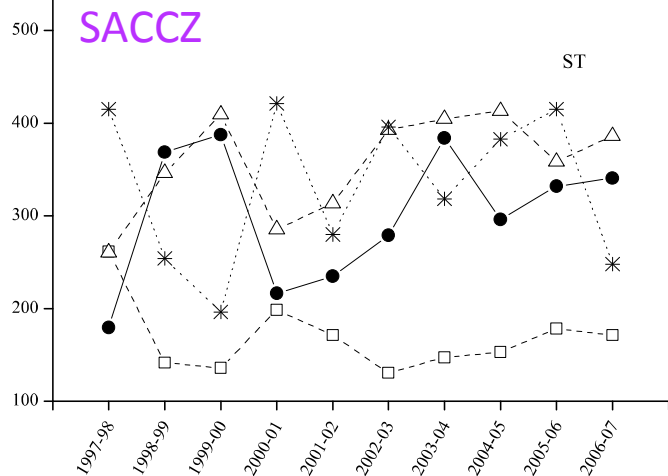
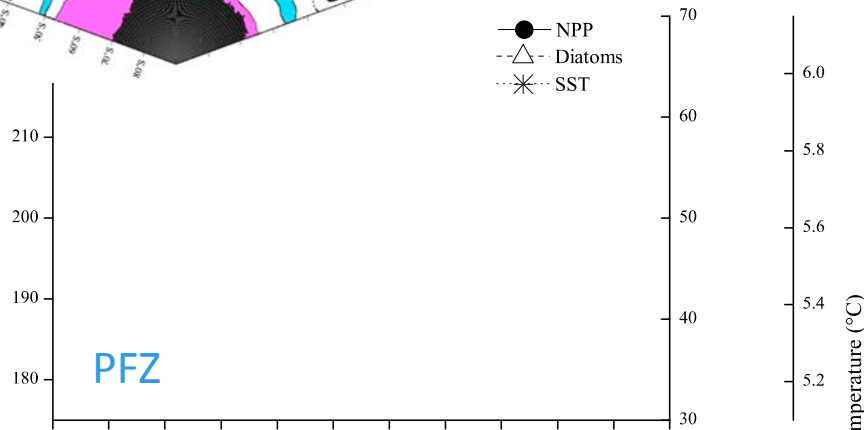
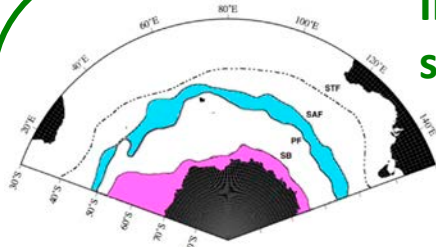
T. Hirawake¹, S. Takao², H. Waga¹, K. Suzuki¹ (¹Hokkaido Univ., ²NIPR)



Phytoplankton size/group, primary production and $p\text{CO}_2$ in the Southern Ocean

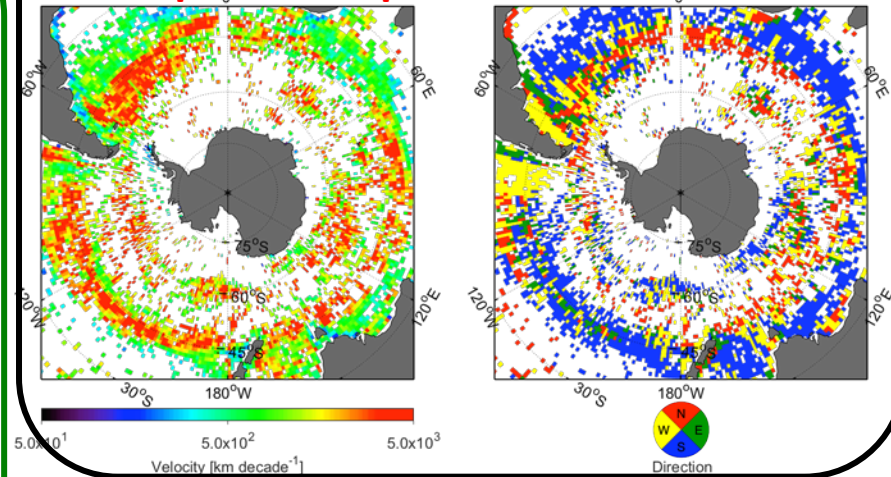
Interrelationship among satellite NPP, PFTs and SST

Takao et al. (2012)



Climate velocity of phytoplankton size spectral slope

Waga et al. (2017)



Conclusion

Satellite ocean color data has revealed that phytoplankton group and size might impact on carbon flux for the recent decade in the Southern Ocean.