S10 Synchronous and asynchronous responses of North Pacific boundary current systems to climate variability

J. Barth, S. Bograd, K. Komatsu, V. Lobanov, S. Ito

09:00-09:05 [Kosei]	Introduction by Conven	ors	
09:05-09:35	Masami Nonaka(Invited) Oyashio		
09:35-09:55	Harold P. Batchelder	eastern boundary (E)	
09:55-10:15	Elena I. Ustinova	western boundary	
10:15-10:35	Steven J. Bograd	west & east	
10:35-10:55	Tea/Coffee Break		
[Steve]			
10:55-11:25	Andrew Bakun(Invited)	eastern boundary (E)	
11:25-11:45	Hiroshi Ichikawa	western boundary	
11:45-12:05	Shoshiro Minobe	Kuroshio-Oyashio Extension	
12:05-12:25	George Shevchenko	East Sakhalin Current (E)	
12:25-14:00	Lunch		

[Slava]		
14:00-14:30	Bo Qiu (Invited)	Kuroshio Extension
14:30-14:50	Shin-ichi Ito	Kuroshio & Oyashio
14:50-15:10	David L. Mackas	California Current (E)
15:10-15:30	Jin Woo Kim	Kuroshio
15:30-15:50	Tea/Coffee Break	
[Jack]		
15:50-16:20	Ryan R. Rykaczewski	California Current (E)
16:20-16:40	William T. Peterson	California Current (E)
16:40-17:00	Peter W. Lawson	Northeast Pacific (E)
17:00-17:20	Kiyotaka Hidaka	Kuroshio (E)
[Jack]		
17:20-17:30	Summary by Convenors	

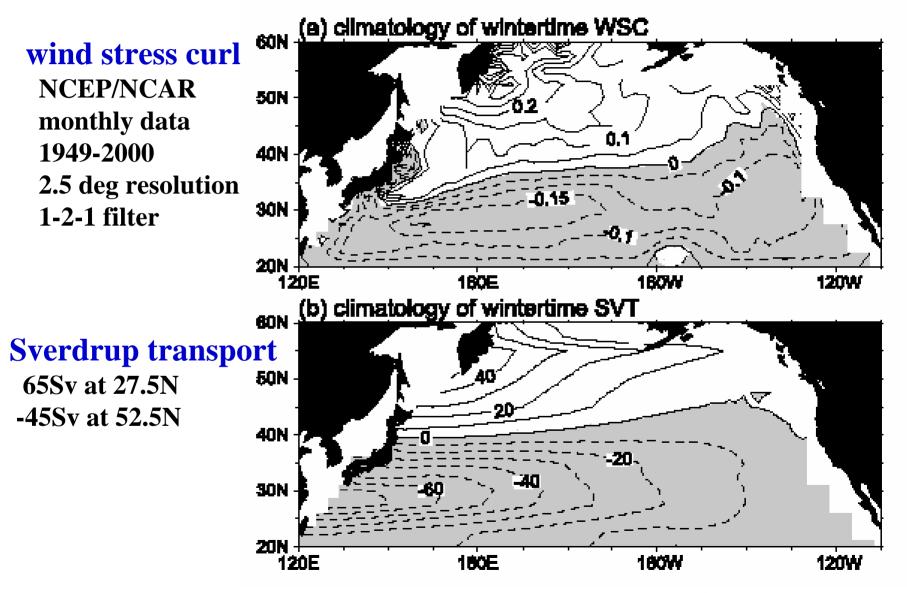
Posters

Gennady V. Khen northern Pacific

Victor I. Kuzin Kuroshio

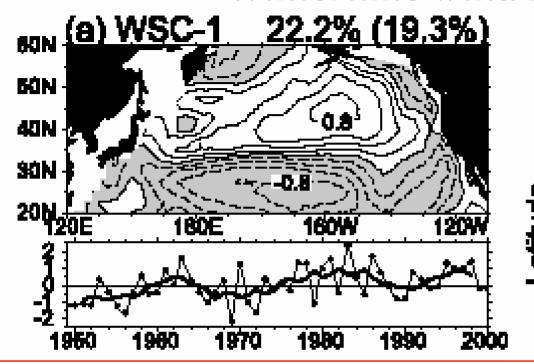
Ryan R. Rykaczewski California Current (E)

climatology of wintertime wind stress curl



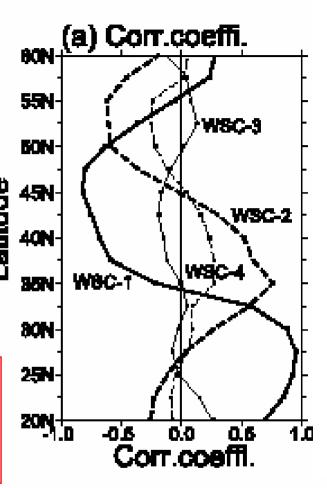
Ishi and Hanawa (2005)

Wintertime wind stress curl



REOF1: wind stress curl negative correlation with NPI -0.93 synchronized barotropic response

In real ocean, there is also baroclinic response and not only synchronized response exists.



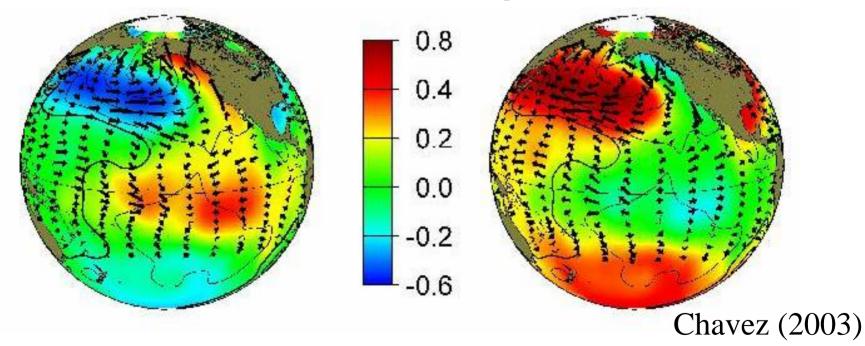
Ishi and Hanawa (2005)

E-W synchronicity of sardine & anchovy alternation

Positive PDO (1976-87)

- = "Sardine Dominant Regime"
- •High PP in West, Low PP in CC
- •Faster Kuroshio and Slower CC

Negative PDO (1945-75) = "Anchovy Dominant Regime"



The Flow Hypothesis Species Relationships in Boundary Current System

