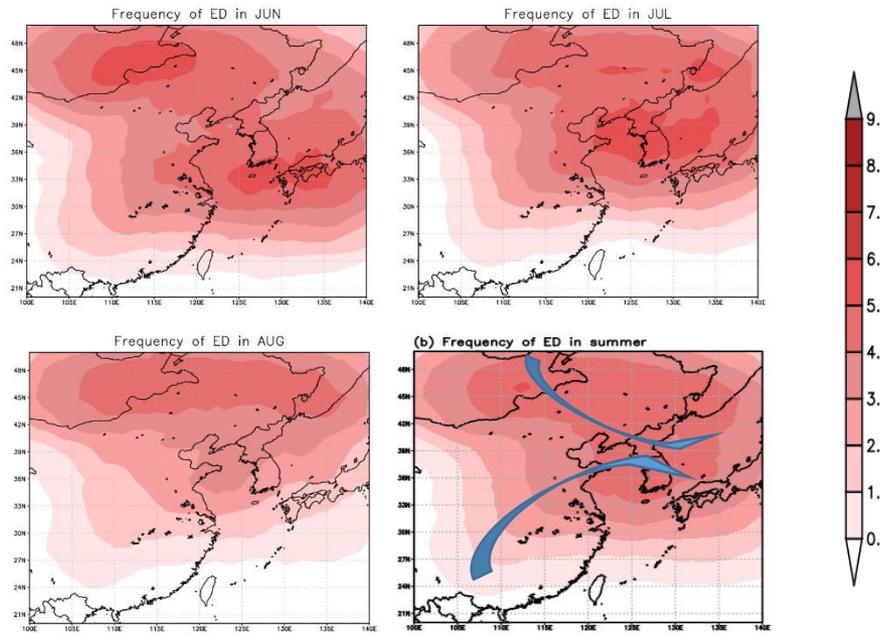


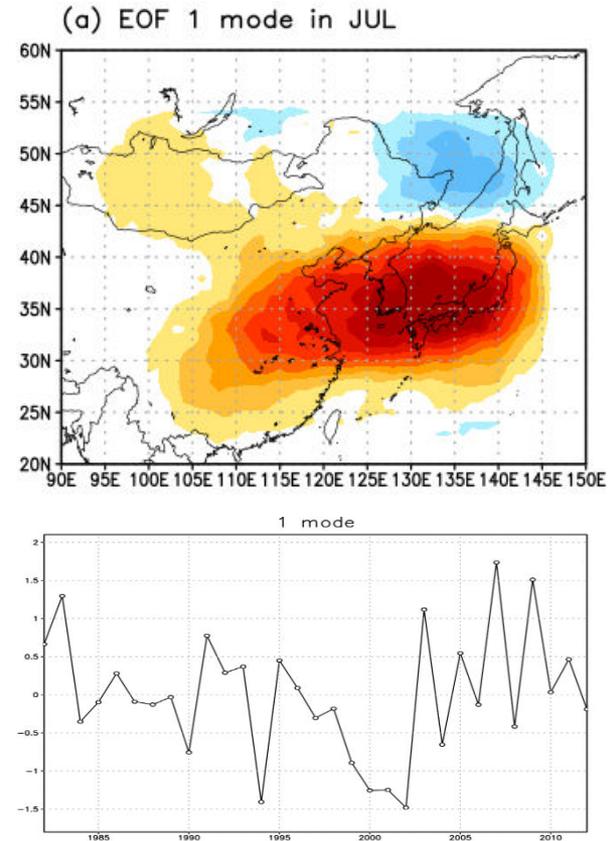
Impact of the marginal sea variability on extra-tropical cyclone variation over the Korean peninsula

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POSTECH

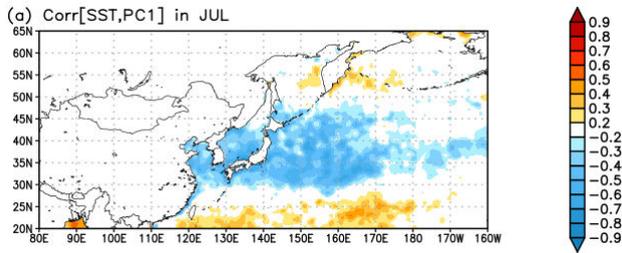
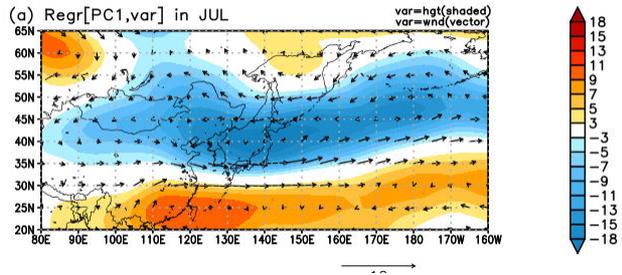
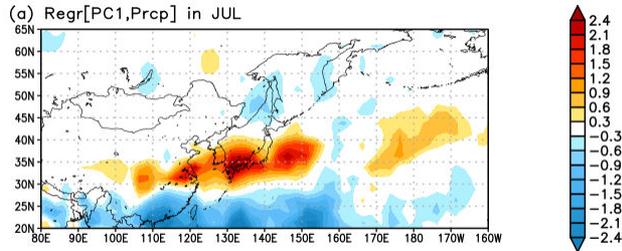
Result



- ✓ Extra-tropical occurred in northern and southern China and disappear in the East sea (Hoskins 2002; Pinto 2005)



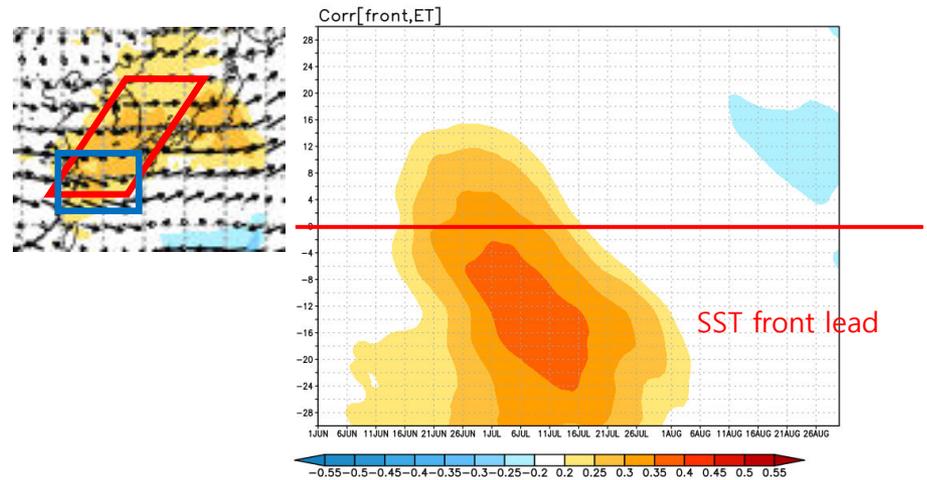
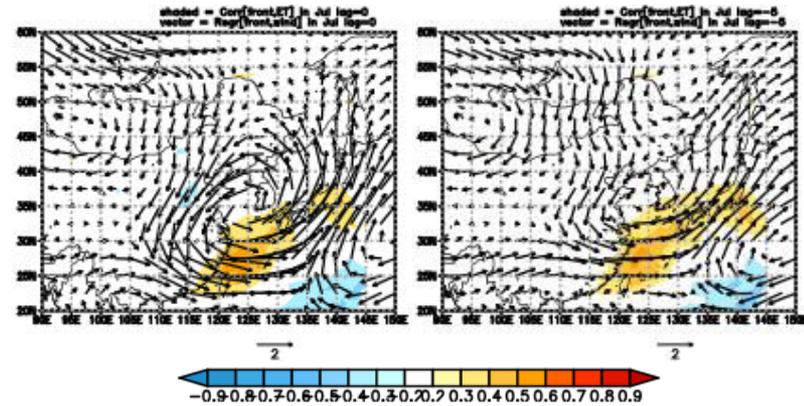
Result



- ✓ Frequency of extra-tropical cyclone and the marginal SST have negative correlation

Simultaneous

After 5 days



- ✓ SST front \uparrow \rightarrow West wind \uparrow \rightarrow extra-tropical cyclone \uparrow

Thank you !