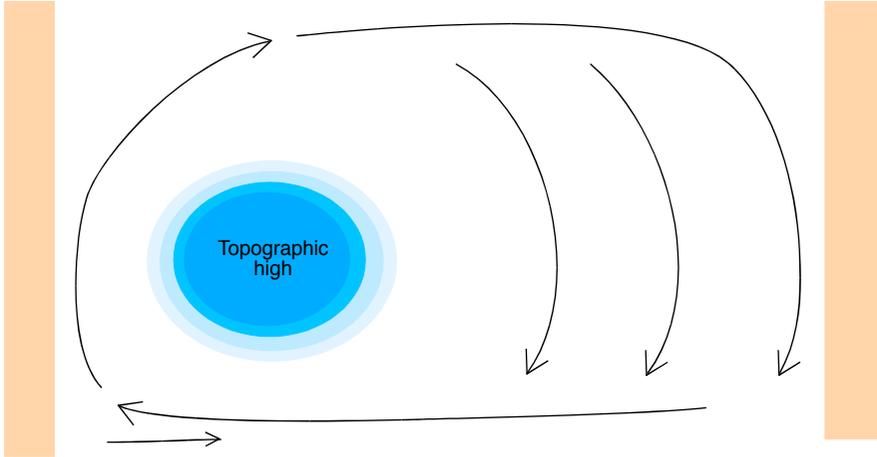
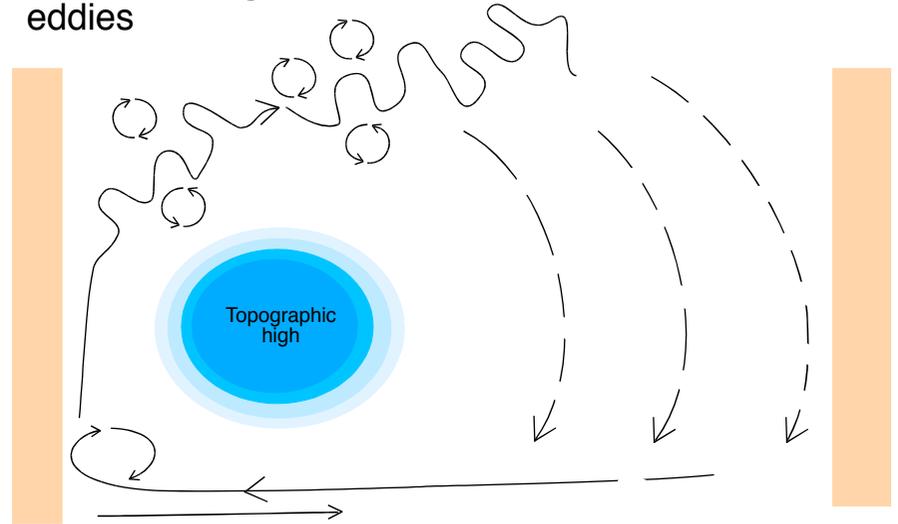


Gyres of currents, and eddies

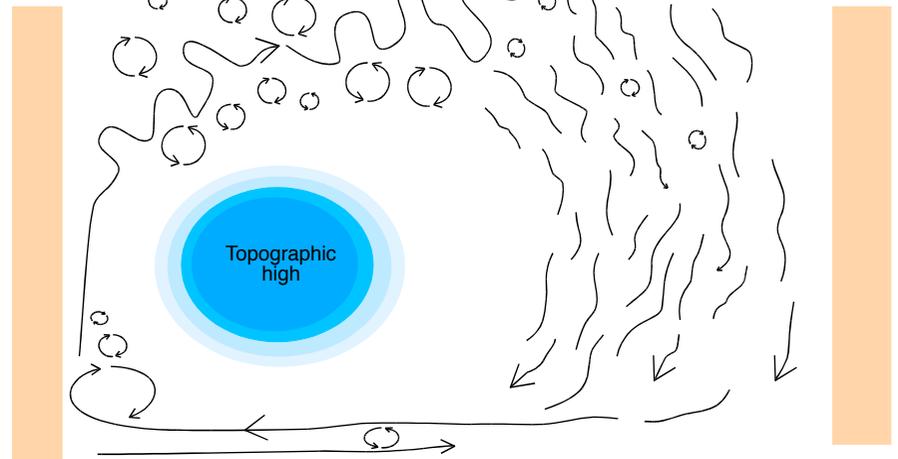
A (northern hemisphere) gyre of currents – a generalized invariant model



A (northern hemisphere) gyre of currents with some large eddies



A dynamic (northern hemisphere) gyre of currents with many moving eddies



	<i>Gyre of currents</i>	<i>Eddy</i>
Lateral extent:	Extends across entire ocean basin (1000s of kilometers)	At most 500 km across
Temporal duration:	Permanent for thousands if not millions of years	Transient: duration of months to at most years
Locational permanence:	Fixed (with seasonal shift of equatorial current)	Mobile: entire eddy can move distance greater than eddy's width
Origin:	Driven by prevailing winds	Generated by fluctuations/perturbations in currents
Analogies:	Climate	Weather
	Society	Behavior of individuals and groups