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Variable Variable	RS	indirect	remark
Sea level	+		
Water temperature	+		SST
Salinity	0		future
Currents	+		
Waves	+		
Oxygen		+	phytoplankton, turbidity, depth
Anorganic nutrients		0	phytoplankton
Attenuation of solar radiation in water	+		
Bathymetry	0		Optical /radar
Coast / Shore line	+		
Suspended matter and organic	0	0	SPM, eulithoral
benthic biomass	0		Eulithoral, partly
Phytoplankton biomass	+		
Fecal indicators	-		

Summary

- · ENVISAT provides us with important information about the coastal zone
 - Wind and waves
 - Temperature
 - Ice
 - Phytoplankton und Suspended Matter
 - Light attenuation
 - Oil pollution
 - Coastal and shore line morphology
- These variables can be used as indicators for changes in coastal zone waters
- In combination with models processes such as transport of SPM or primary production can investigated and quantified.
- · RS provides us with important information about the far field





