



## **Coastal water monitoring using a vertical profiler**

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Using a profiler system, the Aqualog, composed of a moored wire and a carrier in which a CTD was installed, we have been monitoring coastal water in Korea since August 2016. With this monitoring system, we were able to observe rapid warming of surface water that resulted in large damage to fish farms. The profiles showed that the warming was associated with low salinity water due to the fresh water discharge from the Yangtze River. We also observed change in water properties due to a typhoon. Along the Korean coast there are many aquafarms, which are becoming more vulnerable to environmental change. With the data from the profiler we would be able to help the aquafarms to sustain.