

# 4<sup>th</sup> International Conference on **Earth Science & Climate Change**

June 16-18, 2015 Alicante, Spain

## **Valuable contribution of the advance monitoring in the fishery management of Peruvian anchovy**

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The Peruvian anchovy (*Engraulis ringens*), is localized in the Humboldt Current Ecosystem. This supports the biggest mono-specific fishery around the world; it is probably the best monitored large ecosystem. This important monitoring is used for seeing the state of resources. Fisheries regulations in order to protect the resources and must be in a real time. The Peruvian pelagic fishery monitoring system is characterized by daily frequency and quick advice. The Peruvian Marine Research Institute (IMARPE), has seven laboratories along the coast, takes fishery and biological information of Peruvian anchovy in main ports and has a Program of observers on board that monitoring the main anchovy density areas. This information is sent to Pelagic Area which processes, analyzes and evaluates the status of anchovy and publishes a daily report and sends advice to the government to the quickly application. The logbooks have improved satellite-based vessel monitoring system (VMS) to register interaction of vessels in a fishing area and registered biological and oceanographically information. Also, they use mobile phones to have a quickly communication and the information is registered in data base IMARSIS. All of these has improved the management the pelagic Peruvian fishery and it is probably Peru is the only place in the world which has a "Adaptative" management strategy with scientific data in quasi-real time and this is related with a fast decision to the satisfactory management of the pelagic resource.

### **Biography**

Marilú Bouchon Corrales is a biologist from Ricardo Palma University of Lima. She has a Master of Marine Science in Federico Villarreal University of Lima, Peru. She is specialist in pelagic resources main anchovy and the impacts of El Niño and La Niña events. She has over 20 publications and she is working in IMARPE, and currently she is the Director of Research on Pelagic Resources.

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