



## **AUSTRAL SUMMER INSTITUTE XIV (ASI XIV)**

Department of Oceanography & COPAS Sur-Austral

Coastal and Open Ocean Studies Through Multiple Approaches

University of Concepcion, Chile

January 2014

### **Course description**

**Fluvial and glacial sediments impacting coastal ocean processes: an interdisciplinary perspective.**

13-17 January 2014

Charles Nittrouer, Department of Earth and Space Sciences, University of Washington, United States.

This course will investigate processes that supply and distribute sediments to the coastal ocean, and how these sediments impact physical, chemical and biological factors.

The objective of the course is to share the learning experience through lectures, as well as student presentations. The goal is to develop a dialogue with students so they obtain a comprehensive understanding of coastal sedimentary processes – but also so they can recognize the aspects that are relevant to their own research.

### **CONTENTS**

Mornings will be dominated by lectures, and afternoons by discussions for developing short, individual student presentations about a topic of their interest.

Approximately two days will be devoted to coastal settings impacted by large fluvial systems (Amazon, Ganges-Brahmaputra, Huanghe, Yangtze, Mississippi). Another two days will focus on areas with coalescing of small fluvial dispersal systems (e.g., US west coast, Mediterranean, New Zealand, Chile). And a final day will exam coastal areas dominated by tide-water glaciers.