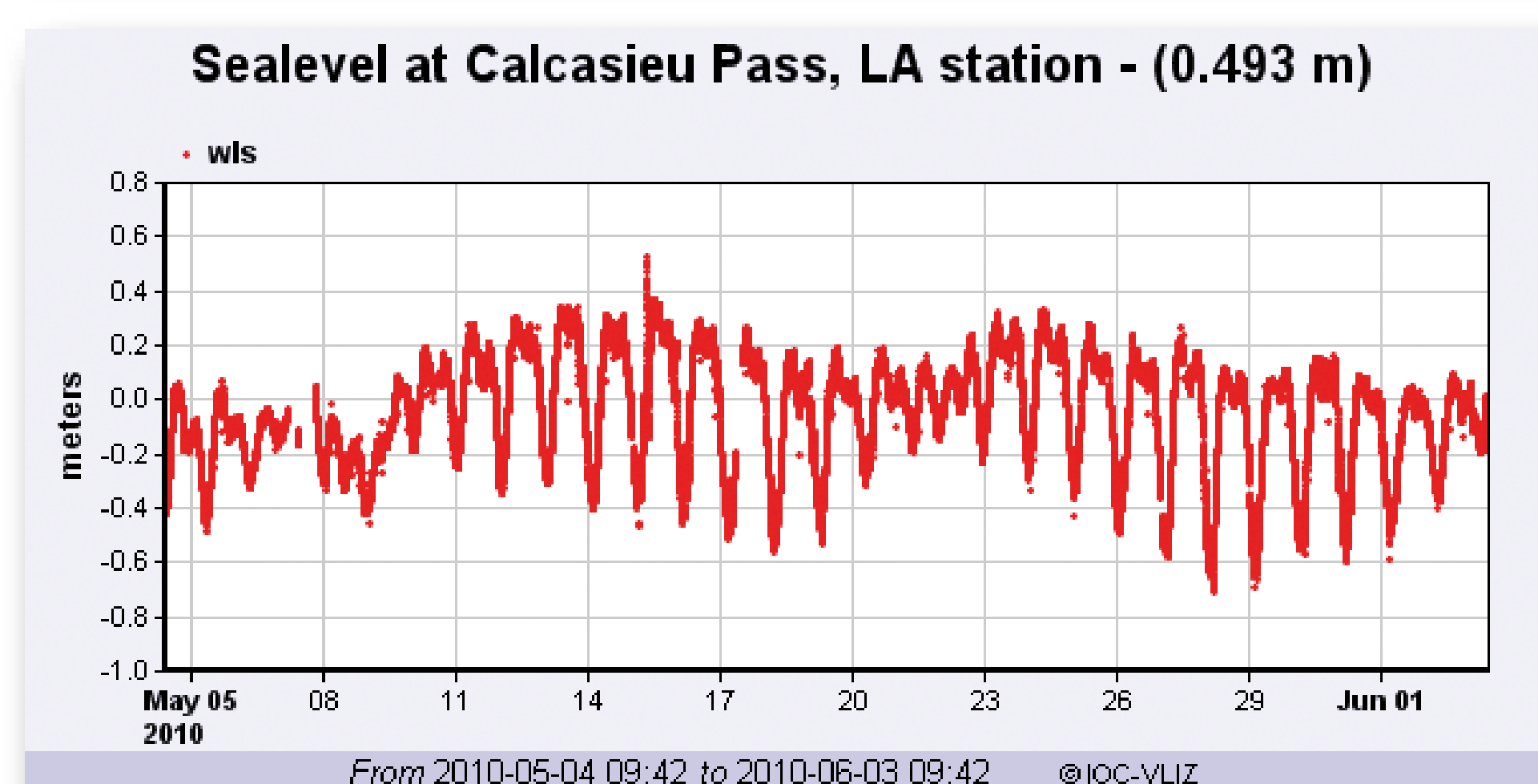




*Europe, a densely populated continent with a coastline of 15,000 km and diverse marine ecosystems, is highly vulnerable to **impacts of climate change**. VLIZ is an important partner in various European, multilateral and local projects dealing with **measuring, data-managing and communicating** these impacts.*

www.clamer.eu
www.theseusproject.eu
www.ioc-sealevelmonitoring.org
www.vliz.be/monitoring



■ **Biodiversity & ecosystems** of European marine waters are the focus of the EU-FP7 CLAMER project (April 2010 - September 2011), in which a synthesis of EU research results on the impact of climate change will be made and communicated to different end users including the wider public. VLIZ is responsible for a major conference in Brussels and side events all over Europe, a web portal and various other outreach products.

■ **Coastal management & defence** is central to the large integrated EU-FP7 THESEUS project (December 2009 - January 2012), that will contribute to improve the knowledge of the performance and design of innovative coastal defence technologies. Furthermore, it will promote coastal flooding resilience and implement an integrated protocol for coastal risk management. VLIZ is WP-leader for the dissemination of the project results.

■ Real time **sea-level measurements** from > 300 individual stations worldwide are displayed for a quick inspection of the raw data via the 'Sea Level Station Monitoring Facility'. This tool is part of an Intergovernmental Oceanographic Commission program (UNESCO), and is developed and maintained by VLIZ.

■ **Long-term monitoring** of the Belgian marine waters is crucial for understanding and predicting ecosystem changes, and to differentiate seasonal, annual and decadal variability and anthropogenic impact. Since April 2002, VLIZ is organizing monthly water sampling campaigns at 10 fixed stations in front of the Belgian coast.