

SOLID EARTH SEMINARS

SALT MARSHES FUNCTIONING AND DYNAMICS: LESSONS LEARNED FROM RIA FORMOSA LAGOON



WHAT'S THIS ABOUT?

Coastal salt marshes are increasingly recognized as valuable ecosystems that provide important services. Even though they are dynamic ecosystems, with high adaptive capacity, there is increasing evidence of marsh decline and growing concern regarding the impacts of accelerated sea-level rise and limited sediment supply. Accelerating sea-level rise and human impacts to the coast influence the accumulation of sediment and organic matter, and thereby impact the ability of salt marshes to maintain an elevation consistently within the vegetation growth range. We focus our research on the functioning and scales of change of the ecogeomorphologic processes taking place at Ria Formosa salt marshes. Lessons learnt from the natural evolution of these environments are relevant as 'prototype' of natural system response (geomorphological adjustment and ecosystem transition) to moderate human pressures and climate change.

ZOOM



A. Rita Carrasco

(CIMA, Universidade do Algarve, Portugal)

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PASS: 2021_RG234

<https://videoconf-colibri.zoom.us/j/89018419156>