

INCCA - Integrated Coastal Climate Change Adaptation (CCA) for Resilient Communities

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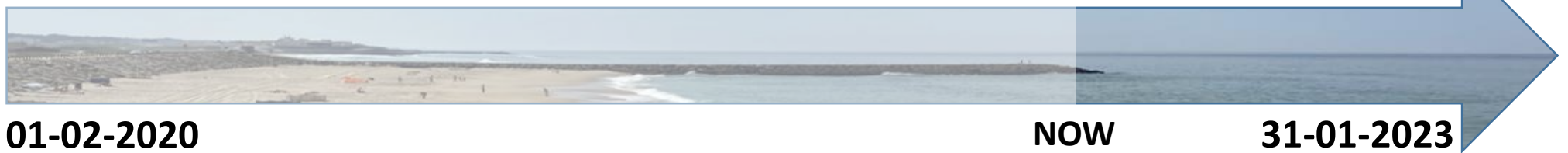
MAIN OBJECTIVES

- ✓ **Cost-benefit assessment** of intervention strategies for CCA in the Portuguese littoral, in short (2025), medium (2050) and long-term (2100) perspectives (Fig. 1).
- ✓ Improve the forecasting capacity of numerical models (**COAST**), namely on shoreline position prediction and overtopping and flooding phenomena (Fig. 2).
- ✓ Involve local stakeholders by means of workshops in order to develop a Coastal Adaptation Action Plan to the **Ovar municipality**, the pilot study (Fig. 3).

INCCA project aims to reduce the vulnerability of coastal areas and increase the resilience of local communities.

Total budget: 240 000 €

Webpage: <http://incca.web.ua.pt/>



ONGOING RESULTS

New integrated methodology to assess strategies to mitigate coastal erosion and climate change adaptation, which results in a **Manual** with 3 related databases (Fig.1).

Relationship between the structure costs and the consequent costs due to overtopping and flooding damages, leading to optimized solutions (Fig.2).

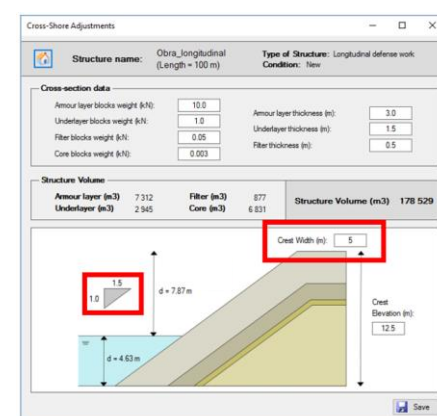
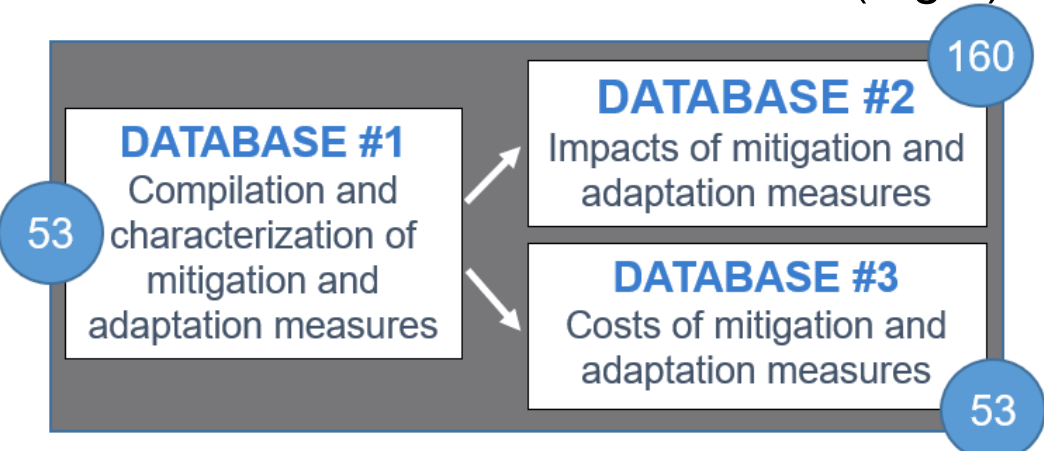


Fig 1. Manual of Mitigation and Adaptation Measures (MAM)

Fig 2. COAST software (Coastal Optimization Assessment Tool)

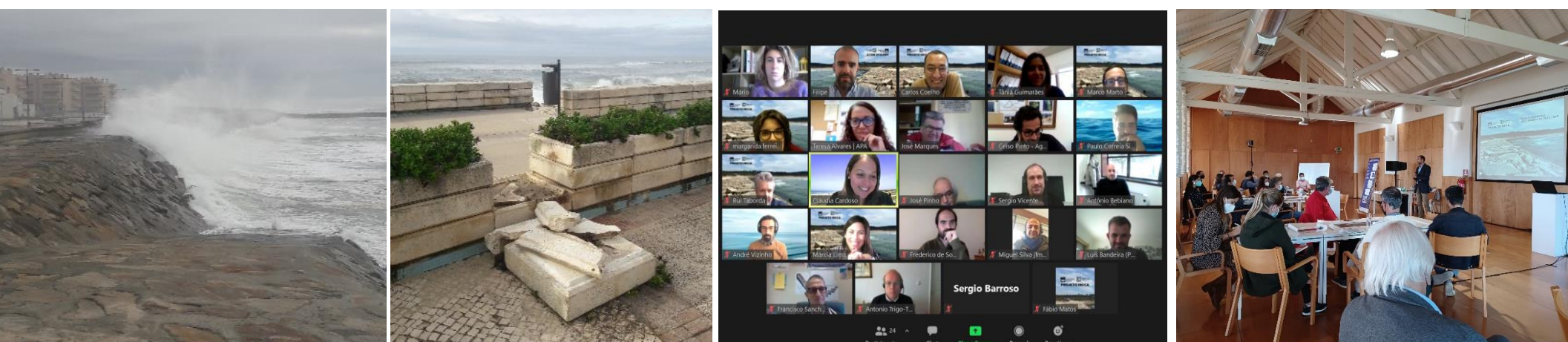


Fig 3. Pilot study – Ovar municipality: examples of overtopping and damages events; and participatory workshops (25 stakeholders) to discuss future coastal management strategies.

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