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MODULAR ENERGY ISLANDS FOR SUSTAINABILITY AND RESILIENCE – COST ACTION CA20109 "MODENERLANDS"

Carlos Rebelo[1], Lambis Baniotopoulos[2]

[1]Department of Civil Engineering, University of Coimbra, Coimbra, Portugal
e-mail: crebelo@dec.uc.pt; web page: info@modenerlands.eu

[2]Department of Civil Engineering, University of Birmingham, Birmingham, UK
e-mail: C.Baniotopoulos@bham.ac.uk

ABSTRACT

This paper gives an overview on the recently started COST Action MODENERLANDS, which aims to merge and systematize the efforts of the European Research and Development (R&D) groups working on Sustainable Energy and the related technologies, in particular wind and wave energy sources. In this COST Action pathways are proposed for incorporating and promoting the relevant synergies in Research, Education and Training to enhance Sustainability in the built environment. MODENERLANDS revisits safe, smart, modular, cost-effective and socially valuable high performance sustainable Energy Islands for consideration in the plans, design and development of future sustainable energy infrastructures.

KEYWORDS: Renewable energy, offshore platforms, modular construction, green hydrogen, energy storage.