Università degli Studi di Pavia

Dottorato di Ricerca in Scienze della Terra e dell'Ambiente

Bioconstructional ecosystems under a changing climate: their importance, their vulnerability and potential in Future Oceans


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Cimate change is affecting many marine organisms in different habitats, from tropical to high-latitude ecosystems. The interactive effects and relative importance of multiple stressors on marine ecosystems and their function remain poorly understood. Marine calcified ecosystems are widely distributed, facilitate different communities by increasing habitat complexity, and actively contribute to the Carbon cycle in the sea. Although some of these calcifying ecosystems are recognized as 'ecosystem service providers', their loss or resilience under climate change are unpredictable. The course proposes an update on the state-of-art of climate change in the Oceans, with special focus on its effects on coastal ecosystems responsible in creating underwater architectures and their potential in future adaptation strategies.

No registration fee is required. Maximum 100 participants.
The course will end with an examination and participants will be given a certificate of attendance. Please register at chiara.trabella@unipv.it