

SYMPOSIUM

Wed 13th May 9:30-13:30 / [Casa de la Ciencia](#) – CSIC

Phenotypic Response to Environmental Variability

Understanding the mechanisms behind adaptation



How do living organisms and ecosystems cope with environmental change?

This seminar brings together leading international researchers to explore how species and communities respond and adapt through phenotypic plasticity, genetic change, and shifts in species composition over time. From rapid, flexible epigenetic responses to transgenerational plasticity and longer-term evolutionary processes, these mechanisms shape how populations and communities persist under environmental stress. Speakers will present research on functional traits, adaptation, and resilience across diverse ecosystems, highlighting how these responses unfold across temporal and environmental gradients. The seminar will also explore how this knowledge can inform real-world solutions in biodiversity conservation and ecological restoration.

Join us to engage with current scientific advances and gain new perspectives on how life **(please fill this [form](#) to attend)**

Speakers: Christina Richards (University of South Florida), Vitek Latzel (Institute of Botany of the Czech Republic), Mar Sobral (Universidad de Santiago de Compostela), Francesco de Bello (CSIC, Spain) + guests

organized by Juli Pausas and Francesco de Bello; Centro de Investigaciones sobre Desertificación (CIDE, CSIC-UV-GVA)