

Announcement of a session on “Wear and Corrosion in Green Energy Systems”



Don't forget...abstract submission deadline: January 16, 2026!

Corrosion in the energy sector is often enhanced by mechanical wear. Paradigmatic examples include offshore energy converters (wave, tidal, offshore wind, floating solar), subsea and shipboard machinery, geothermal systems, carbon capture and utilization environments, and hydrogen technologies. Here, the interaction between wear and corrosion accelerates material degradation and must be considered in design and lifetime prediction. Corrosion scales can drastically modify wear rates and mechanical removal of corrosion scales can significantly change corrosion kinetics. Wear-accelerated corrosion can thus increase degradation rates by orders of magnitude.

This Joint Session between WP 18 Tribocorrosion and WP 26 Corrosion in Green Energies invites application-oriented contributions and case studies.

The objective is to deepen the understanding of wear-corrosion interactions in green energy technologies and thus increase technical integrity and reliability in the energy transition. The JS is supported by the COST action “Ocean Tribology” (oceantribology.eu).

Session organiser(s):

Manel Rodriguez Ripoll

WP 18 – Tribocorrosion

Marc Wilms

WP 26 – Green & Low Carbon
Energy Technologies

Expected duration: 1 day

Expected audience: 40-80 persons



Please submit your abstract online via www.eurocorr.org before the deadline. We are looking forward to your contribution and participation in EUROCORR 2026, on September 6-10, 2026, in Dublin, Ireland!