

Study Committee C3 Poster Session (14:00-18:00)
Poster Locations

PS1
Biodiversity conservation & enhancement. Towards positive contribution

ID	Title	Station
10131	Nature Inclusive Design for an artificial energy island – from ideation to implementation	1
10300	Towards a nature-inclusive grid network: Identifying grounds for synergy in the Dutch grid operator sector	2
10301	Lights, Camera, Biodiversity! ROV Video Insights from an Offshore High-Voltage Station and NIDs in the Dutch North Sea	3
10340	Powerlines and Ospreys: The challenges and opportunities of balancing a safe and reliable electricity distribution network with an iconic raptor species in New South Wales, Australia	4
10341	Biodiversity Offsetting: The Australian experience with case studies from the states of New South Wales and Western Australia	5
10471	Integrating Nature-Inclusive Design and Lifecycle Management for Biodiversity Positive Power System Infrastructure	6
10889	Forecasting Nature’s Footprint: Co-Building Biodiversity Metrics for Tomorrow’s Electricity Mix	7
10892	Offshore Experiment on Biomimetic Solutions aiming at limiting Sediment Erosion	8
10898	Exploring the potential of remote sensing, digital tools and smart grids for ecological vegetation management in power line corridors	9
10899	Birds & fishes: Monitoring strategies to identify and assess impacts of submarine and aerial power cables	10
10900	Biodiversity indicators or bioindicators: useful examples for transmission grid operators	11
10901	Submarine cables and marine biodiversity: Feedback on implementing avoidance and minimization measures as well as monitoring environmental	12
10959	Application of Repellent Gel to the Surfaces of Transmission Towers for Wild Bird Management	13
11080	Hydropower Operation and Fish Conservation: Challenges of a Changing Energy Matrix	14
11098	Conversion of powerline right-of-ways: biodiversity, resilience, and local value in the face of climate change and wildfires	15
11100	Birds nesting on pylons of transmission lines in Portugal: results of the first national-scale survey with proposal of measures to promote and protect species of conservation concern	16
11256	Placement of Renewable Energy Sources-Based Power Plants Considering Biodiversity Impact Mitigation	17
11505	Biodiversity compensation methodology based on natural capital & mitigation hierarchy	18

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ID	Title	Station
11507	Analysis and assessment of impacts, dependencies, risks and opportunities related to nature in electricity transmission	19
11798	Prevention of Mortality and Power Outages on 22 kV Lines Related to Mute Swan Collisions by Using Bird Flight Diverters in Slovakia	20
12350	Development of Collision Risk Maps Between Birds and Power Transmission Lines with an Assessment of Applicable Mitigation Measures	21
12544	Use of bird discouragers to prevent bird nesting on lattice transmission towers and an analysis of corrosion resistant fastening technology used to ensure 40+ years service in polluted environments.	22
12545	Reducing wildlife-caused outages and mortality in distribution substations - A systematic approach to risk, design, durable mitigation and conservation.	23

Study Committee C3 Poster Session (14:00-16:00)
Poster Locations

PS3 – Disclosing Sustainability

Paper ID	Title	Station
10133	Navigating Scope 3 Emissions in the Context of Increasing Grid Investments Facilitating the Energy Transition	24
10470	Addressing Greenwashing in Sustainability Reports of Power Transmission Companies: Impacts and Solutions	25
10480	Towards enhancing sustainability disclosures: A comprehensive analysis of SEBI's BRSR framework	26
10890	Disclosing Sustainability : Throwback to First Sustainability Reporting – What Next ?	29
10891	Unlocking Resilience: Detailed Equipment Data for Future-proof Transmission Grids	30
11081	Environmental Impact Assessment and Human Rights Due Diligence: Current State of the Art and Possible Convergences	27
11264	Paradigm Shift in Korean Transmission Line Construction -Trust-based governance through Third-party Mediation	28
12068	Enhancing the Stakeholders' Trust through a Transparent Sustainability Disclosure: A case study of a Power Company in Thailand	31
12277	Stakeholder reporting requirements-Impact of disclosure on social perception and acceptance	32
12319	Improved Stakeholder Engagement & Transparency using Geospatial Cloud Solutions	33

Study Committee C3 Poster Session (14:00-18:00)

Poster Locations

PS2

Building a more sustainable power system for the future

ID	Title	Station
10111	Enabling Efficient Integration of Renewable Energy Sources into the Grid: A Comprehensive Methodology for Assessing RES Site Suitability in Slovenia Based on Key Performance Indicators	8
10132	A closed loop business model: a significant contribution for European TSO's to face copper scarcity?	17
10302	A Life-Cycle-Based Environmental Passport for High-Voltage Substations	21
10318	Climate Adaptation in Dutch Grid Infrastructure: A Guideline Based Framework with Adaptive Feedback	9
10474	Alternate Fuels in Thermal Power Plants : Pathways to Decarbonization and Energy Transition	34
10888	Implementing Eco-Design at EDF HYDRO. Guidelines for Electrical Equipment	15
10893	Advancing Sustainability and CSR in Procurement: A Collaborative TSO Perspective	2
10894	Leveraging Climate Services to Build Climate Resilient Power Systems	10
10895	Material Flow Analysis of Geo-Economic Tensions Affecting the Supply Chains of Low-Carbon Technologies: The Case of the Electric Grid	16
10896	Harnessing Open-Source Standards for Sustainable Digital Design in the Energy Transition	6
10897	Tools and methodologies to assess HV products' environmental impacts: state of the art and future trends	22
10902	An innovative ecodesign methodology for a sustainable switchgear: the case of the new 245kV GIS	18
10961	Impact of Evaluation Criteria of Power Loss in LCA	23
10962	Life Cycle Impact Assessment and Weighting in Switching Station: Insights from a Case Study	24
10963	Effect of the Fluorine Resource Conversion Process of SF6 Gas for a Circular Economy	19
11083	Conventional and Floating Photovoltaic Generation from a Life Cycle Perspective – Carbon and Water Footprint	35

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Poster Locations

PS2

Building a more sustainable power system for the future

ID	Title	Station
11084	The Role of SDGs in Shaping Sustainability in the Electric Power Sector	4
11102	Harmonizing EPD and CBAM methodologies for carbon footprinting of power transformers	3
11131	Integrating marine archaeology into HVDC marine cable design and realization	5
11187	A data-driven approach for predicting and monitoring nitrogen oxides emissions of natural gas CCGT in power plants with neural networks	7
11277	Modular and regenerative life cycle assessment indicators for sustainable power systems	30
11611	Sustainability in HVDC tenders and projects - A pathway to long-term value creation	13
11883	Climate Risk and Vulnerability Assessment for the Croatian Transmission Network	11
12016	Next Generation Overhead Lines with Carbon Core Conductors: Optimisation of Design Paradigm to meet the Needs of Energy Transition and reduced environmental Footprints	36
12084	Beyond 2050: Decommissioning Frameworks and Environmental Liabilities of the Electricity Sector in the EU and Latin America	1
12313	Advancing Circularity in Transformers: Update on recent Solutions and Impacts	20
12315	Standardization of LCA for environmental Performance Assessment of High Voltage Switchgear: A critical Evaluation of current Challenges and Needs	31
12323	A meta-analysis of Transformer Sustainability evaluations based on Customers Practices, national level policies and voluntary standards in major markets around the world	14
12455	Application of new IEC TS 62271-320 for the Evaluation of Life Cycle Assessment (LCA) Methodologies in High-Voltage Switchgear	32
12563	Multi-Criteria Prioritization of Climate Resilience Strategies for Electric Power Networks	12
12622	Life Cycle Assessment (LCA) for assessing the sustainability of high-voltage electrical infrastructure Application to the 150kV double-circuit overhead link of the Canino-Arlena power line to the Tuscania Power Station	33