



enel
Foundation

Knowledge for a Clean Energy Future



Enel Foundation is a non-profit organization.

Enel Foundation focuses on clean energy's crucial role in ensuring a sustainable future for all. We conduct research and education exploring the implications of global challenges in the energy domain. We operate in partnership, at the intersection of business and society leaving no one behind in the energy transition.

TOP STORY



"We need
a complete
transformation
of the global
energy system."

Prof Petteri Taalas
Secretary-General of WMO

Presentation of the 2022 State of Climate Services Energy Report

The World Meteorological Organization (WMO) recently presented the 2022 edition of the State of Climate Services Report, with the contribution of Enel Foundation. This edition focuses on energy, and highlights the aim of Net Zero, along with the need to dramatically increase the speed of energy transition by investing in renewables and smart resilient grids.

[DISCOVER MORE](#)

RESEARCH



[Presentation of the BIRDIE-S research project](#) [October 6, 2022](#)

BIRDIE-S, "Build the Innovative Renewable and Digitally Inclusive Electrified Sardinia", is a research study on electrification for final users, highlighting its environmental, social and economic benefits. The study was performed by Enel Foundation with the University of Cagliari and the Polytechnic University of Turin.

[IEA released the World Energy Employment report with the analytical contribution of Enel Foundation](#) [September 8, 2022](#)

The work done during the last 18 months by a joint team of the International Energy Agency (IEA) and Enel Foundation for the Glass House project, flew into the first edition of the World Energy Employment that provides an assessment of global energy

[World Energy Employment Report](#)

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employment, covering the areas of renewables, fossil fuels, grids, end-user efficiency and electric vehicles.



[Italian energy communities from a DSO's perspective](#)
September 7, 2022

The book “Energy Communities: Customer-centered, market-driven, welfare-enhancing?” includes a chapter by a team of researchers from Enel Foundation, titled “Italian energy communities from a DSO’s perspective”. It addresses the role of Distribution System Operators in the development of energy communities.

[Contribution to Motus-E vademecum on electric buses and extension of TCRO analysis of public road transport](#)
October 12, 2022

Enel Foundation contributed to the vademecum on electric buses released by MOTUS-E and also enriched TCRO (Total Cost and Revenues of Ownership) analysis with further deep dives aiming at evaluating the environmental externalities of different bus options and at assessing the role of subsidies financial instruments and of the reduction of ESG- oriented risk appetite. Furthermore, we have analyzed the European and Italian framework of climate change litigation and also extended the analysis completed last year for Italy to Spain, UK, USA, Mexico, Brazil, Colombia, Chile and Peru.





Total Costs and Revenues of Ownership for buses September 19, 2022

Carlo Papa, Oliviero Baccelli, Gabriele Grea and Mirko Armiento published an article in Energy Central's Special Issue on Electrification based on the study on TCRO (Total Cost of Revenue and Ownership) for buses in Italy with different fuel solutions, showing that if external environmental factors, revenues from second-life battery valorisation and B2G opportunities are included in the calculation electric buses were more competitive than other types of city buses already in 2021.

Rare earth metals and other critical materials for the energy transition September 29, 2022

Three Enel Foundation researchers have published an article highlighting the importance for the energy transition of rare earth metals and other critical materials. The piece, published by Italian climate think tank Ecco, underlines the need for international governance to prevent procurement difficulties.



The Innovation Hub South Stakeholders Day September 22, 2022

Enel Foundation took part at the event "Innovation Hub South Stakeholders Day", organised by EIT RawMaterials, with EF Deputy Director Mariano Morazzo presenting the study "Decarbonisation roadmaps for Europe: focus on Italy and Spain" by EF and The European House-Ambrosetti, in collaboration with Enel.

Accelerating decarbonisation for greater benefits from the Net Zero E-economy

September 3, 2022

The 2022 edition of the research by Enel Foundation and The European House-Ambrosetti in collaboration with Enel, “Net Zero E-economy 2050: Decarbonisation road maps for Europe: focus on Italy and Spain”, was presented at Villa d’Este. The study analysed progress in decarbonisation, comparing two scenarios, “Net Zero” and “Low Ambition”.



Call for solutions to cope with climate change challenges

July 26, 2022

Following World Energy for University’s annual meeting organised by Enel Foundation, three specific challenges have been launched, addressing: long-term contracts for electricity from renewables; grid resilience for extreme weather events; and the improvement of operations for charging infrastructure.

KNOWLEDGE PARTNERSHIP

Signed partnership with Weathernews Inc. to advance the science of weather and climate prediction.

October 13, 2022

Early warning of extreme weather events helps prevent disasters. Enel Foundation is proud to celebrate 13 October, the International Day for Disaster Risk Reduction announcing the partnership with Weathernews



Inc to advance the science of weather and climate prediction in support of critical decision-making for mitigation and adaption.



Global Forest and Tree Restoration Conference October 3, 2022

Enel Foundation was Knowledge partner for The Global Forest and Tree Restoration International Conference, during which the state of knowledge and experience was analysed, reaffirming the fundamental role of trees and forests in the protection of the global environment.

"Chile Territorio Futuro" holds its first face-to-face meeting August 5, 2022

Chile Territorio Futuro, coordinated by the Center for Innovation in Cities (Faculty of Architecture, UDD) and promoted by Enel Foundation, brought together experts from different fields to discuss the future of Chile. The meeting aimed at the design of action strategies that will require active citizen involvement.



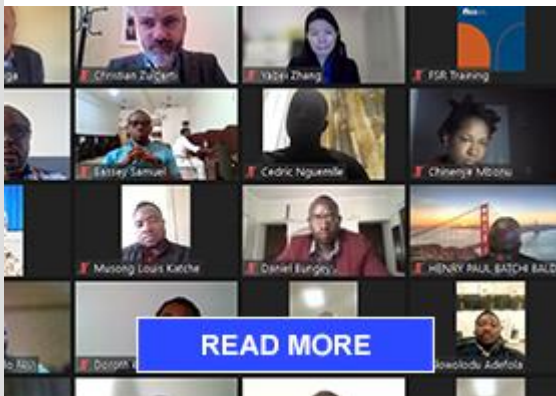
The 2022 edition of ISPI's Planet Needs YOUth July 27, 2022

The 2022 edition of ISPI's Planet Needs YOUth brought together 500 young people from 43 countries, with Enel Foundation as scientific partner. The activities included G20 simulation games, participation in the Global Policy Forum, three days of negotiation and the compilation of the final declaration.

EDUCATION

**A portrait of African Youth: book and documentary presented at Luiss University
October 18, 2022**

The stories of young people from Kenya, South Africa and Senegal are captured in the multimedia project “African Century: Youth”, realized by Akronos with the support of Enel Foundation and Agenzia Italiana per la Cooperazione allo Sviluppo. The book highlights the fundamental role played by young people in transforming the African continent into a dynamic, innovative and inclusive society moving towards sustainable development.

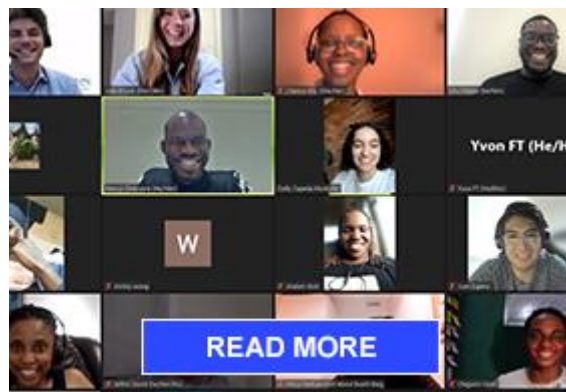


**Celebrating OAP mid term: closing class of the Florence School of Regulation Course on Regulation for SDG7
October 17, 2022**

Halfway mark of the 2022 edition of OAP. The course on energy regulation run in partnership with the Florence School of Regulation (FSR) ended with a final class held by Professor Ignacio Perez-Arriaga. Dr. Fabrizio Lobasso, Deputy Director Sub-Saharan Africa, intervened with an institutional message from the Italian Ministry of Foreign Affairs.

**Student Energy© Career Training programme 2022
October 4, 2022**

The Student Energy Career Training programme was inaugurated, with Enel Foundation as Knowledge Partner. It is a four-month Career Training programme, in which young people have the opportunity to work



in close contact with researchers on Enel Foundation projects.



Fulbright-Enel Foundation climate change scholarships
September 29, 2022

The collaboration between Enel Foundation and the Fulbright Commission has given rise to the Fulbright-Enel Foundation Climate Change PhD Scholarship Program focusing on research areas comprising the downscaling of climate models, the analysis of social and economic risks, and technical solutions for energy infrastructure. Deadline 5 December 2022.

Ignacio J. Pérez-Arriaga, Interim Director of the African School of Regulation
July 29, 2022

Enel Foundation, one of the founding partners of the African School of Regulation, congratulates Ignacio J. Pérez-Arriaga on his appointment as its Interim Director. The African School of Regulation is a specialised institution promoting the continent's economic development and environmental sustainability.



Siena International School, interview with Carlo Papa
July 18, 2022

During the third phase of the Siena International School on Sustainable Development, Carlo Papa, School Co-Chair and Managing Director of Enel Foundation, talked about the School, founded four years ago in order to bring together an interdisciplinary team that uses science to imagine a sustainable future for all.

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