






2022 | ESG REPORT  
EDP Redes España

# ESG PERFORMANCE AT A GLANCE

	Unit	E-REDES	VIESGO	EDP REDES	TARGET EDP REDES		
					2025	2030	
 <b>Environment</b>	Revenues aligned with EU taxonomy	%	100%	100%	100%	>70%	> 80%
	Scope 1 & 2 Emissions Intensity <sup>1</sup>	gCO2/kWh	5,4	10,1	7,4	4,8	0,25
	Total Waste	kt	6,0	5,0	11,0	-85,0%	-85,0%
 <b>Social</b>	Employee Engagement (top tier company)		✓	✓	✓	✓	✓
	Female Overall	%	14,2%	21,5%	17,8%	30%	35%
	Accident Frequency Rate (LTM)	Fr	2,63	0,74	1,74	1,55	< 1
 <b>Governance</b>	Female on Leadership	%	22,6%	19,5%	21,4%	30%	35%
	ESG & equity linked compensation for Top Management		✓	✓	✓	✓	✓
	Cybersecurity	Bitsight rating	✓	✓	✓	✓	✓
	Top quartile in ESG rating Performance	GRESB	✓	✓	✓	✓	✓

**Revenues aligned with EU taxonomy** It's defined with the actual regulatory scheme.

**Accident Frequency rate (LTM)** as 1,74 in 2022, in a very unfortunate year. EDP continues determined to strengthen the culture of Occupational Health and Safety, having started in 2021 a new program, "Playitsafe", to raise awareness of the importance of building and adopting safe habits at EDP.

Regarding **Employee engagement** EDP continuously promotes the definition of action plans throughout the organization to respond to employee feedback, reinforcing employees engagement.

In 2021 **females' representation stood at 17,8%** of EDP's workforce.

**EDP Suma + was successfully implemented** in distribution areas as Asturias, Cantabria y Lugo:

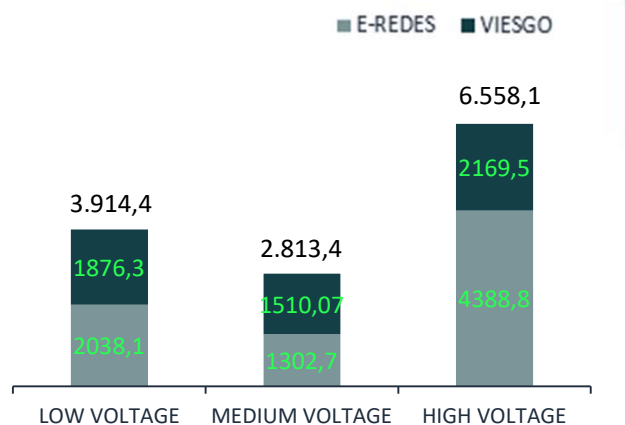
- ENTAMA: 19 nominations received
- EDP+Joven: 3 Innovation camps with > 35 children
- EDP Partners: UIMP, STEM y Asociación Mujer y Talento
- EDP + Cerca: 2 sponsorships to promote tourism

**EDP Redes España GRESB 2022 (2021 performance).** 1st position in Network utilities companies. Total Score, 99,6/100

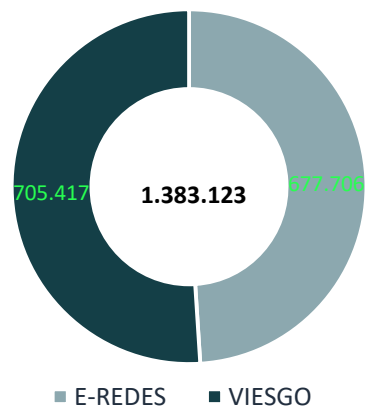
1. Scope 2 emissions according with GHG Protocol based location methodology. 2 2030 as Carbon Neutral in Scope 1&2., Net Zero in 2030 for scopes 1 and 2 excluding network losses.

## COMMITTED TO AN EFFICIENCY PATH

### Energy Balance (GWh)



### Customers (#)



	Unit	2022		2021	
		E-REDES	VIESGO	EDP REDES	EDP REDES
<b>Distributed energy</b>					
	GWh	7.729,5	5.556,4	13.285,9	14.086,3
Extra HV	GWh	3.951,9	634,2	4.586,0	5.063,9
HV	GWh	436,9	1.535,3	1.972,1	2.108,1
MV	GWh	1.302,7	1.510,7	2.813,4	2.800,4
LV with remote reading	GWh	2.023,8	1.863,2	3.887,0	4.093,3
LV wo remote reading	GWh	14,3	13,1	27,4	20,6
Distributed energy with remote reading	GWh	7.688,3	5.543,3	13.231,5	14.065,7
<b>Remote reading/Distributed energy</b>	%	<b>99,5%</b>	<b>99,8%</b>	<b>99,6%</b>	<b>99,9%</b>
<b>Electricity Grid Losses</b>	%	<b>3,6%</b>	<b>6,5%</b>	<b>4,8%</b>	<b>4,7%</b>
<b>Clients connected to the network</b>					
	#	<b>677.706</b>	<b>705.417</b>	<b>1.383.123</b>	<b>1.376.478</b>
Low voltage	#	676.496	704.022	1.380.518	1.373.898
Medium voltage	#	1.175	1.192	2.367	2.343
High voltage	#	35	203	238	237
<b>Quality of Service in the Distribution Network</b>					
SAIFI MT	n.º	0,71	0,86	0,79	nd
SAIDI MT	min	31,54	51,90	43,42	nd
SAIFI BT	n.º	0,32	0,58	0,45	0,51
SAIDI BT	min	12,23	26,94	19,73	22,20
<b>Sustainable Consumption</b>					
E-mobility -Light fleet electrification	%	27,2%	35,4%	30,4%	29,7%
NPS	%	29,6%	22,1%	25,3%	16,8%
<b>Lean</b>					
Total ongoing Projects	#	N/A	N/A	40	5
Total Projects		N/A	N/A	483	475
People involved	#	>171	9	> 180	> 180

# ENVIRONMENTAL HIGHLIGHTS COMMITTED TO A CARBON-FREE ECONOMY

	Unit	2022			2021
		E-REDES	VIESGO	EDP REDES	EDP REDES
<b>Greenhouse gas emissions</b>					
Scope 1 & 2 Emissions Intensity	gCO <sub>2</sub> /kWh	5,4	10,1	7,4	5,7
Scope 1 GHG Emissions <sup>1</sup>	ktCO <sub>2eq</sub>	1,1	0,8	1,9	2,0
Scope 2 GHG Emissions <sup>1,2</sup>	ktCO <sub>2eq</sub>	40,9	55,2	96,2	82,5
Scope 3 GHG Emissions <sup>1</sup>	ktCO <sub>2eq</sub>	1.107,92	799,30	1.907,21	1.789,10
SF <sub>6</sub>	kg	34,8	22,7	57,5	30,1

<b>Waste</b>					
Hazardous	t	384	310	695	774
Recovered Hazardous	%	87%	85%	86%	57%
Non-hazardous	t	7.719	7.156	14.875	15.577
Recovered Non-Hazardous	%	84%	94%	89%	72%

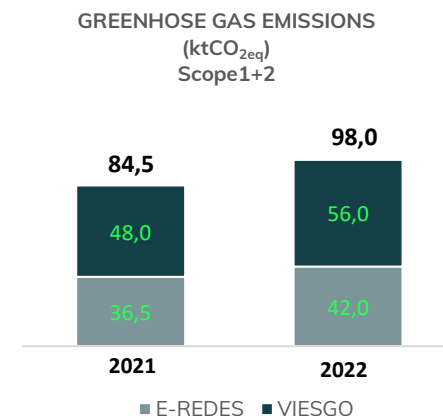
<b>Distribution in Protected Areas<sup>3</sup></b>					
HV Overhead Lines	km	85	124	209	209
MV Lines Overhead Lines	km	827	805	1632	1632
HV Underground Lines	km	0	0	0	0
MV Underground Lines	km	52	93	145	144
Transformer	#	745	657	1402	1400
Substations	#	18	10	28	28

<b>Environmental fines and penalties</b>					
Complaints	#	11	22	33	42
Average Response Time	d	21	73	33	31
Environmental incidents	#	159	75	234	219

1. Best estimation as 12M 2022.. 2.Scope 2 emissions according with GHG Protocol based location methodology. 3. Pending unification criteria



-70% (vs. 2015) Scope 1 & 2 Emissions Intensity by 2025

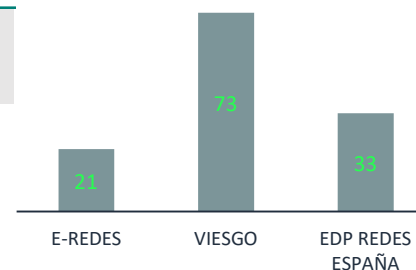


70% Revenues aligned with EU taxonomy by 2025



## COMPLAINTS

Average response time (d)



In an exercise of transparency, all environmental complaints are detailed, although they are not considered material, as they are of minor relevance.

## SOCIAL HIGHLIGHTS COMMITTED TO PROVIDE A FAIR AND SAFE WORKPLACE

	Unit	2022			2021
		E-REDES	VIESGO	EDP REDES	EDP REDES
<b>Employment</b>					
Employees	#	275	265	540	559
Female employees	%	14,2%	21,5%	17,8%	17,2%
Employee Engagement <sup>1,2</sup>	%			65,0%	65,0%
Employee Enablement <sup>1,2</sup>	%			61,0%	61,0%
Employee Turnover	%			0,5%	0,9%
Absenteeism	%			4,4%	3,4%
<b>Training</b>					
Total hours of training	h			24.040,1	17.431
Employees with training	#			568,0	634
Direct training investment	€ th			366.707,0	182,3
<b>Health and Safety <sup>3</sup></b>					
Accidents with lost workdays own personnel	#	0	1	1	1
Accidents with lost workdays contractors <sup>4</sup>	#	4	0	4	3
Fatal work-related injuries own personnel	#	0	0	0	0
Fatal work-related injuries contractors	#	0	0	0	0
Frequency rate own personnel	Fr	0,00	2,29	1,09	1,02
Frequency rate contractors	Fr	3,85	0,00	2,05	1,48
Total recordable injury rate	RFr	3,95	2,96	3,48	1,33
Total recordable injury rate own personnel	RFr	4,16	6,86	5,45	1,02
Total recordable injury rate contractors	RFr	3,85	1,10	2,56	1,48
<b>Social Investment</b>					
EDP volunteers	#	49	31	80	114
EDP time used in volunteering	h	131	41	172	117



30% female employees by 2025



Top Tier Company in Employee Engagement



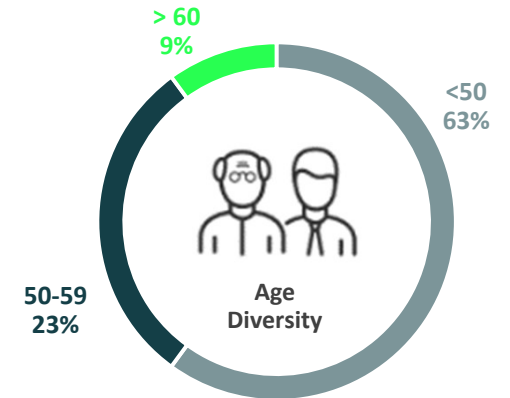
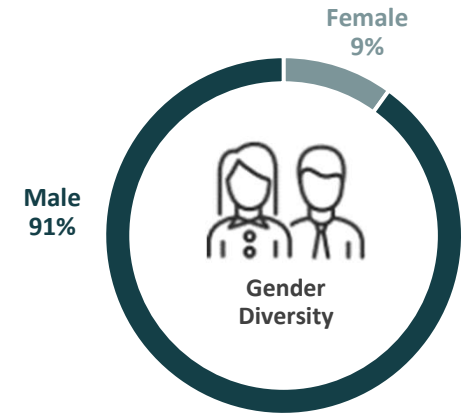
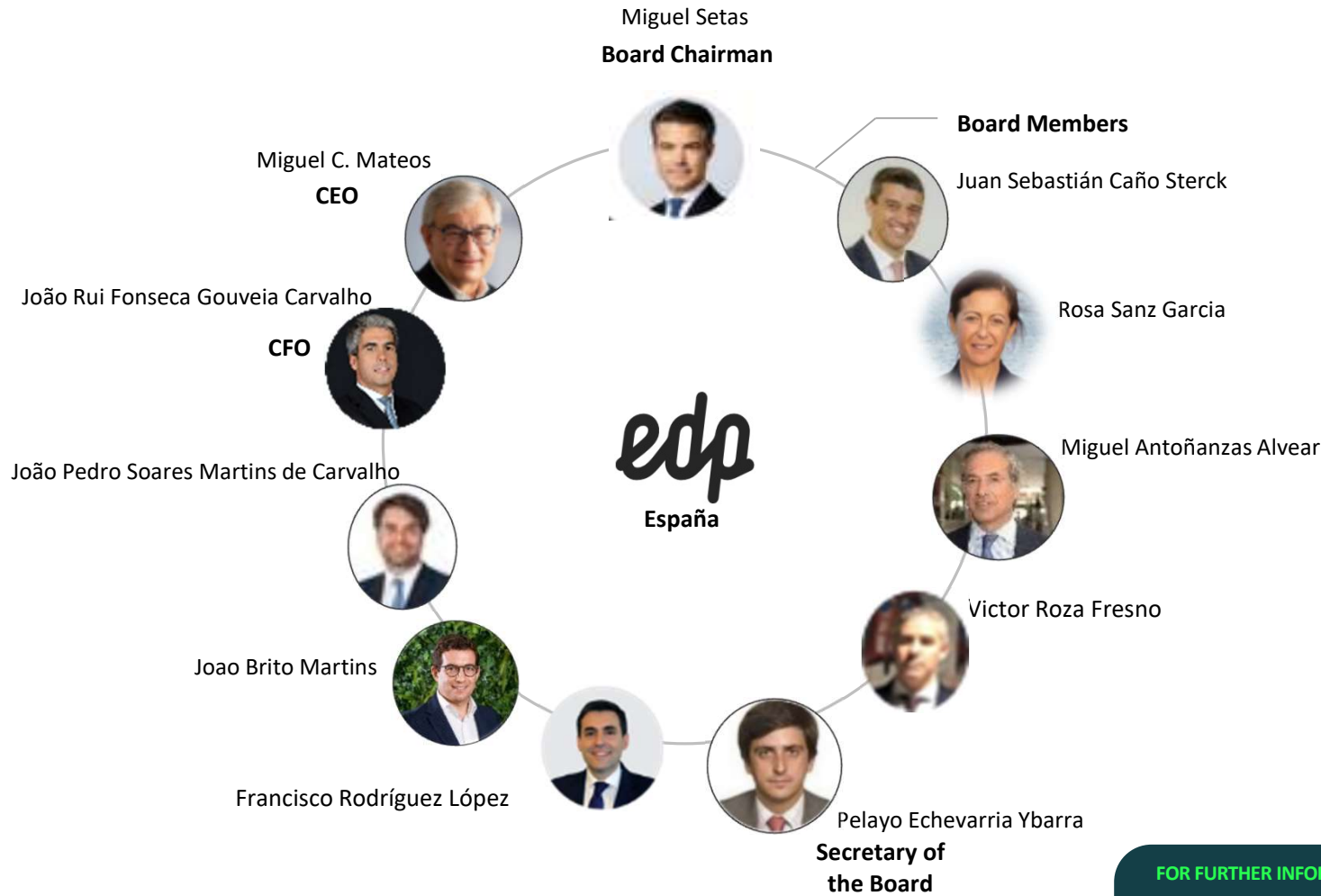
Accident Frequency Rate 1,55 by 2025



1. Annual indicators refers to 2021 EDP España. 2. Engagement - reflects the involvement and commitment by employees; Enablement - reflects the perception of organizational support by employees. 3. Figures as LTM. 4. Accidents occurred at the place and working time or on a journey, with 1 or more days of absence and fatal accidents.

# GOVERNANCE HIGHLIGHTS COMMITTED TO THE BEST PRACTICES

## Board of Directors EDP Redes España 2022



**Executive Management Team 2022:** Miguel C. Mateos. João Rui Fonseca Gouveia Carvalho, Juan Miguel Sanchez Alcántara.

### FOR FURTHER INFORMATION



Sustainability Report 2021



Code of Ethics



Election of the members of the EB

## DIGITALIZATION & INNOVATION HIGHLIGHTS COMMITTED TO DRIVE TRANSFORMATION

			12M 2022			2021
		Unit	E-REDES	VIESGO	EDP REDES	EDP REDES
<b>Digitalization</b>						
<b>Business</b>						
<b>Customer</b>	Selfcare Interactions	%	36,5%	73,8%	55,1%	48,1%
<b>Enterprise</b>	Digitalisation <sup>1</sup>	%	78,1	79,2	NA	NA
<b>Innovation</b>						
<b>Innovation</b>	Total investment (TOTEX)	€ m	17.129	24.680	41.809	4.815
<b>Team</b>	Employees	#FTE	34	43	76,4	14,5

### Innovation in EDP Redes España (key highlights)

- Two pilot projects related to the problem of ice sleeves.
- **Energy Starter brings together international start-ups** to develop electricity distribution projects. New solutions for electricity grids, smart cities, asset management and operation and customer experience.
- From 5 to 7 July, the bootcamp of track 1 "**Future Grids**" of the Energy Starter startup search programme took place at EDP Spain's headquarters. Eight startups from Canada, the United Kingdom, the United States, Norway and Brazil presented their solutions at the bootcamp.
- Participation in the Assembly of **FUTURED**, the Technology and Innovation Platform for Future Grids, presenting the progress of the storage working group, which is led by EDP



1. Figures as 2021. To assess the level of digitalisation, 4 variables were considered: Automation, Standardisation, Integration and Traceability and Data Driven. Driven. For the first two, the methodology defined by EDP was adopted, which is used to calculate the Digitisation KPI. In addition, surveys were carried out to measure the level of maturity in terms of Integrity and Traceability of the organisation's information and Data Driven of the organisation, thus obtaining a first wide measurement of the current status of the organisation.



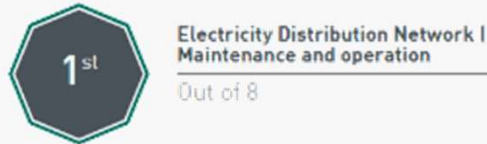
# ESG RATINGS COMMITTED TO EXCELLENCE

## GRESB EDP REDES ESPAÑA 2022 ( PERFORMANCE 2021)

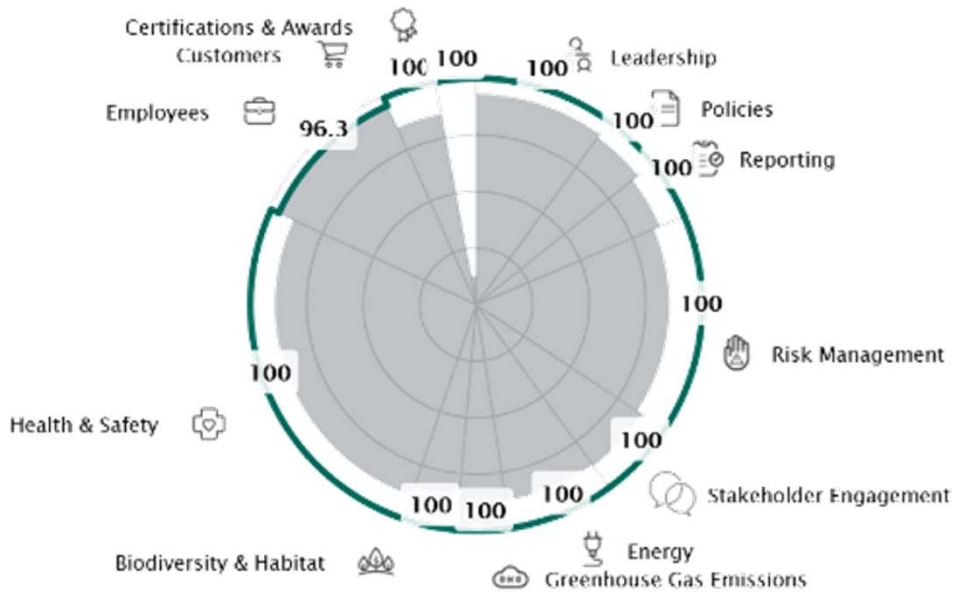
### Participation & Score



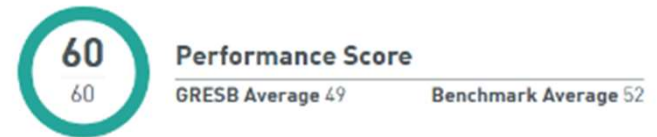
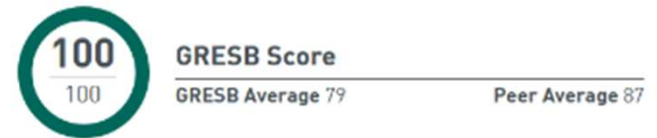
### Peer Comparison



### ASPECT, STRENGTHS & OPPORTUNITIES



### SCORECARD RANKINGS







ESG 2030

*The decade of decisive action*