

Approximated estimates for the share of gross final consumption of renewable energy sources, 2022

The EU formally adopted an update of the Renewable Energy Directive (EU) 2018/2001 in October 2023 that, among other measures, increases the binding 2030 target from 32% to 42.5%, with the aim of achieving 45%.

Since early access to the most recent information on the growth of RES is relevant for all stakeholders, the EEA and its European Topic Centre for Climate Change Mitigation and Energy (ETC/CME) produce each year a set of early estimates concerning the RES shares achieved by the countries and the EU as a whole in the previous year. The current data set concerns the EEA 2022 RES share proxies. The cut-off date for most data sources incorporated in the calculation of the approximated RES shares is 31 August of the publication year.

Simple

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Point of contact

No information provided.

Maintenance and update frequency	Annually
EEA Management Plan	<ul style="list-style-type: none"> 2021 2.4.2
EEA topics	<ul style="list-style-type: none"> Energy Renewable energy Climate mitigation
Keywords	
Keywords	
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> Ireland Luxembourg Slovakia Slovenia Spain Croatia Cyprus United Kingdom Greece

	<ul style="list-style-type: none"> • Poland • Hungary • Romania • Germany • Sweden • Portugal • Bulgaria • Latvia • Czechia • Austria • Denmark • Estonia • Lithuania • Italy • Netherlands • France • Belgium • Malta • Finland 																					
Use limitation	EEA standard re-use policy: unless otherwise indicated, re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, provided that the source is acknowledged (https://www.eea.europa.eu/legal/copyright). Copyright holder: European Environment Agency (EEA).																					
Access constraints	Other restrictions																					
Other constraints	No limitations to public access																					
Language of dataset	English																					
Topic category	<ul style="list-style-type: none"> • Environment 																					
Begin date	2022-01-01																					
End date	2022-12-31																					
Additional Information	This current data set concerns the EEA 2022 RES share proxies. The RES share proxy data are presented per Member State and for the European Union as a whole, as total RES share (Total RES share proxy), share of renewable sources in gross final electricity consumption (RES-E proxy), share of renewable sources in gross final heating and cooling energy consumption (RES-H/C proxy) and share of renewable sources consumed in transport (RES-T proxy). The EEA 2022 RES share proxies formed the basis of a specific EEA country consultation. Where reported by countries during consultation, national data were used. Nevertheless, the proxy data do not substitute the data that countries officially report to Eurostat and to the European Commission in the context of their legal obligations. Please also note that the EEA RES share proxy results for 2022 follow specific calculation provisions in place under Directive (EU) 2018/2001.																					
Distribution format	<ul style="list-style-type: none"> • ascii (.csv, .txt, .sql) () 																					
OnLine resource	<table border="1"> <thead> <tr> <th>Protocol</th> <th>Linkage</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>EEA:FOLDERPATH</td> <td>https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_res-proxies-2022_p_2022_v01_r00/</td> <td></td> </tr> <tr> <td>WWW:URL</td> <td>https://sdi.eea.europa.eu/data/f3e0b47b-583e-41c6-95b3-56bd6d6fed72</td> <td>Direct download</td> </tr> <tr> <td>WWW:DOWNLOAD-1.0-http--download</td> <td>https://www.eea.europa.eu/publications/trends-and-projections-in-europe-1</td> <td>Related EEA Report (2019)</td> </tr> <tr> <td>WWW:DOWNLOAD-1.0-http--download</td> <td>https://www.eea.europa.eu/publications/approximated-eu-ghg-inventory-proxy-2018</td> <td>Related EEA Report (2018)</td> </tr> <tr> <td>WWW:LINK-1.0-http--link</td> <td>https://data.europa.eu/data/datasets/approximated-estimates-for-the-share-1?locale=en</td> <td>data.europa.eu - The official portal for European data</td> </tr> <tr> <td>WWW:LINK-1.0-http--link</td> <td>https://data.europa.eu/data/datasets/approximated-estimates-</td> <td></td> </tr> </tbody> </table>	Protocol	Linkage	Name	EEA:FOLDERPATH	https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_res-proxies-2022_p_2022_v01_r00/		WWW:URL	https://sdi.eea.europa.eu/data/f3e0b47b-583e-41c6-95b3-56bd6d6fed72	Direct download	WWW:DOWNLOAD-1.0-http--download	https://www.eea.europa.eu/publications/trends-and-projections-in-europe-1	Related EEA Report (2019)	WWW:DOWNLOAD-1.0-http--download	https://www.eea.europa.eu/publications/approximated-eu-ghg-inventory-proxy-2018	Related EEA Report (2018)	WWW:LINK-1.0-http--link	https://data.europa.eu/data/datasets/approximated-estimates-for-the-share-1?locale=en	data.europa.eu - The official portal for European data	WWW:LINK-1.0-http--link	https://data.europa.eu/data/datasets/approximated-estimates-	
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No information provided.

Hierarchy level	Dataset
Statement	The general methodology applied for approximating RES values in the year t-1 is described in the Renewable energy in Europe – Approximated recent growth and knock-on effects 2015 EEA report. Confidence in the estimated RES share proxy values is greatest in the electricity sector. The dynamics in the renewable heating and cooling market sector may be underestimated, because the available data are more limited in this sector. Finally, the specific accounting rules in Directive (EU) 2018/2001 concerning renewables consumed in transport are difficult to replicate. Despite these challenges, the estimation of RES share proxies yields plausible results in most cases and should be further improved, especially if more timely information and data that are relevant for the estimations become available. This dataset is based on EEA estimates and data reported by Member States during Eionet consultation.

Metadata

File identifier	f3e0b47b-583e-41c6-95b3-56bd6d6fed72 XML		
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Date stamp	2023-10-24T09:09:11.342Z		
Metadata standard name	ISO 19115:2003/19139		
Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail address Website Role
	European Environment Agency		sdi@eea.europa.eu Point of contact

Overviews

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	CountryShort	Year	ValueNurUnit		Market_Sector	Data_source	Date			Notes:	Data until 2020 are calculated		
2	EU27	2022	0,224676 %		Total	EEA	09/Oct/23				GFEC: Gross final consumption		
3	BE	2022	0,131447 %		Total	EEA	09/Oct/23						
4	BG	2022	0,18717 %		Total	EEA	09/Oct/23						
5	CZ	2022	0,179839 %		Total	EEA	09/Oct/23						
6	DK	2022	0,366513 %		Total	EEA	09/Oct/23						
7	DE	2022	0,203716 %		Total	EEA	09/Oct/23						
8	EE	2022	0,379437 %		Total	EEA	09/Oct/23						
9	IE	2022	0,136203 %		Total	EEA	09/Oct/23						
10	EL	2022	0,252294 %		Total	EEA	09/Oct/23						
11	ES	2022	0,216058 %		Total	EEA	09/Oct/23						
12	FR	2022	0,200096 %		Total	EEA	09/Oct/23						
13	HR	2022	0,316098 %		Total	EEA	09/Oct/23						
14	IT	2022	0,184545 %		Total	EEA	09/Oct/23						
15	CY	2022	0,183775 %		Total	EEA	09/Oct/23						
16	LV	2022	0,445944 %		Total	EEA	09/Oct/23						
17	LT	2022	0,293677 %		Total	EEA	09/Oct/23						
18	LU	2022	0,154161 %		Total	EEA	09/Oct/23						
19	HU	2022	0,140498 %		Total	EEA	09/Oct/23						
20	MT	2022	0,137879 %		Total	EEA	09/Oct/23						
21	NL	2022	0,146605 %		Total	EEA	09/Oct/23						

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