

Climate Change

C3S ENERGY STAKEHOLDER WORKSHOP: CONSULTATION ON DATA INDICATORS Topic 1 - Global Energy Data 20/03/2023









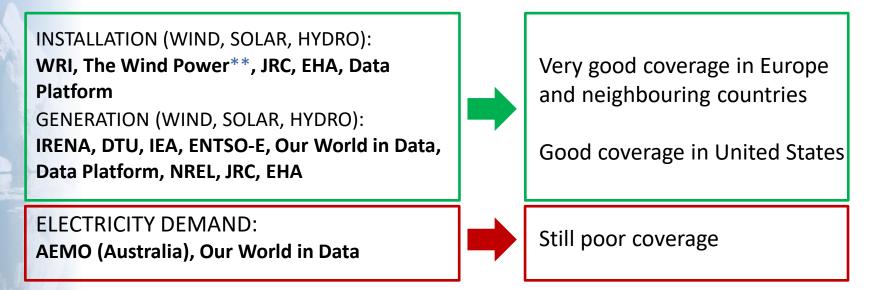






Data sources

Data gathered so far*:



*C3S2 412 lot 1 > Common resources > 01_Available_data > Energy_data_availability.docx **Still to acquire





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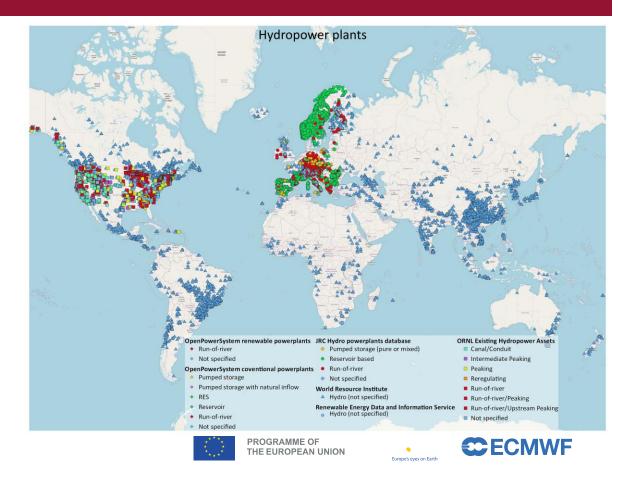


Next steps

In progress:

ICS

creation of a unique dataset for each of the installation sources





Next steps

Climate Change Uniformity of the column headers: keeping as much information as possible (30-35 columns)

Location attributes:

Country, city, name, coordinates, ...

Physical/technical attributes:

Primary fuel (hydro, wind, solar), capacity, height, total

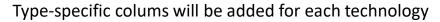
power, ...

Status and ownership attributes:

owner, commissioning date, status, decommissioning date, ...

ID	Continen	t ISO code	e Country	State code	Area	City	Name	2nd name	Latitude	e Longitu	de Altitude Depth	e/ Location accuracy	Offshore Shore distance	Manufacture	er Turbine	Hub height	Number turbines		Developer	Operator	Owner	Commissioning date	Status	Decommissioning Link date	Update
#N) =	Code ISC)						WGS84	WGS84	m	Yes =	km			m		kW				Format:		Format:	
no		3166.1										accurate										yyyy or yyyy/mm		yyyy or yyyy/mm	
dat	a▼	*	v		v v		¥	¥	•			 Iocation 	Ŧ	¥	* *		-	v v		· •			-	✓	▼ ▼
27	Oceania	AU	Australia	QLD	Queensland		Windy Hill	#ND	-17,590		#ND	Yes	No	Enercon	E44/600		20	12000	Stanwell Corp	Stanwell Corp	Ratch Australia C		Production	Link	25-Oct-22
13	Europe	BE	Belgium	#ND		Villers-la-Vil		#ND	50,537	4,515	#ND	Yes	No	Enercon	E82/2000		8	16000	Eneco	Electrastar SA	Eneco	2007	Production	Link	20-Oct-22
12	Europe	BE	Belgium	#ND			oui Villers le Bo		50,580	5,240	#ND	Yes	No	Repower	MD77	85	6	9000	EDF renewables/E		EDF Luminus	2005/02	Production	Link	20-May-22
16	Europe	BE	Belgium	#ND	Namur (Wa		Floreffe	#ND	50,423	4,718	#ND	Yes	No	Enercon	E82/2350		1	2350	EDF Luminus	EDF Luminus	EDF Luminus	2010	Production	Link	20-May-22
11	Europe	BE	Belgium	#ND	Namur (Wa		Tarcienne	Walcourt	50,303	4,504	#ND	Yes	No	Repower	MD77	85	6	9000	EDF renewables	EDF renewables	EDF Luminus	2005/11	Production	Link	20-May-22
14	North Ame		Canada	ON	Ontario	Shelburne	Melancthon	Phase 1	44,090	-80,308	#ND	Yes	No	GE Energy	1.5sle	80	45	67500	TransAlta	TransAlta	TransAlta	2006/03	Production	Link	25-Oct-22
15	North Ame		Canada	QC			abl Baie-des-Sa		48,710	-67,870	#ND	Yes	No	GE Energy	1.5sle	80	73	109500	Cartier Wind Ener		Innergex/#ND	2006/11	Production	Link	25-Oct-22
20	Europe	FR	France	#ND			de Roquetaillad		43,001	2,233	595/645		No	Gamesa	G47/660		8	5280	Compagnie du Ve		Engie	2001/10	Production	Link	17-Aug-22
22	Europe	FR	France	#ND			e Peyrelevade		45,760	2,060	870/888		No	GE Energy	1.5s	85	6	9000	EED/Cegelec	MC3/Cohérence Er		2005/01	Production	Link	16-Aug-22
9	Europe	FR	France	#ND	26 (Auvergn		Donzère	#ND	44,450	4,750	117/118		No	Nordex	N43/600		5	3000		veValeco/NeoElectra		1999/09	Production	Link	01-Aug-22
17	Europe	FR	France	#ND			ant Janville (28)			1,896	#ND	Yes	No	Nordex	N90/2300		5	11500	Nordex	Eurowatt	Eurowatt	2005/12	Production	Link	04-Aug-22
6	Europe	FR	France	#ND	31 (Occitan		Avignonet	#ND	43,373	1,798	240/270		No	Nordex	N50/800		10	8000	Poweo/Boralex/El		Boralex	2002/11	Production	Link	17-Aug-22
24	Europe	FR	France	#ND	43 (Auvergn		Ally	Moulins de Be:		3,300	1045/10		No	GE Energy	1.5sl	85	7	10500	Sofiva/GE Wind E		Boralex	2005/12	Production	Link	01-Aug-22
21	Europe	FR	France	#ND		Sortosville-e		#ND	49,419	-1,711	#ND	Yes	No	GE Energy	1.5s	90	5	7500	RES/H2ion	St Laurent Energie		2004/07	Production	Link	05-Sep-22
5	Europe	FR	France	#ND			d-: Côtes de Ch		48,836	4,661	#ND	Yes	No	Gamesa			12	10200	SFE Française d'I		Renvico	2005/07	Production	Link	16-Sep-21
8	Europe	FR	France	#ND	51 (Grand E		Le Quarnon	Le Mont Favere		4,521	#ND	Yes	No	Repower	MM82	80	2	4000		ar Hervé Huet/Quadra		2005/01	Production	Link	09-Aug-22
29	Europe	FR	France	#ND	56 (Bretagn		Ar Tri Milin	Séglien	48,098	-3,114	#ND	Yes	No	Repower	MD70	80	6	9000	Eole Generation	Futuren	EDF renewables	2006/12	Production	Link	03-Aug-22
23	Europe	FR	France	#ND	62 (Hauts-d		Haute-Lys	#ND	50,556	2,190	171/182		No	GE Energy	1.5s	64	6	9000	Poweo/Erelia	FEIH/Predica	FEIH/Predica	2004/10	Production	Link	11-Aug-22
1	Europe	FR	France	#ND	85 (Pays de		Bouin	La Côte de Jad		-2,042	3	Yes	No	Nordex	N80/2400		5	12000		VEDF renewables/N		2003/07	Production	Link	17-Aug-22
2	Europe	FR	France	#ND	85 (Pays de	Bouin	Bouin	Les Polders du	1 Ц46,947	-2,052	3	Yes	No	Nordex	N80/2500	0 60	2	5000	EDF renewables/S	SyEDF renewables/S	SYDEV	2003/06	Production	Link	17-Aug-22

Figure: sample data from thewindpower.net





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Discussion







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