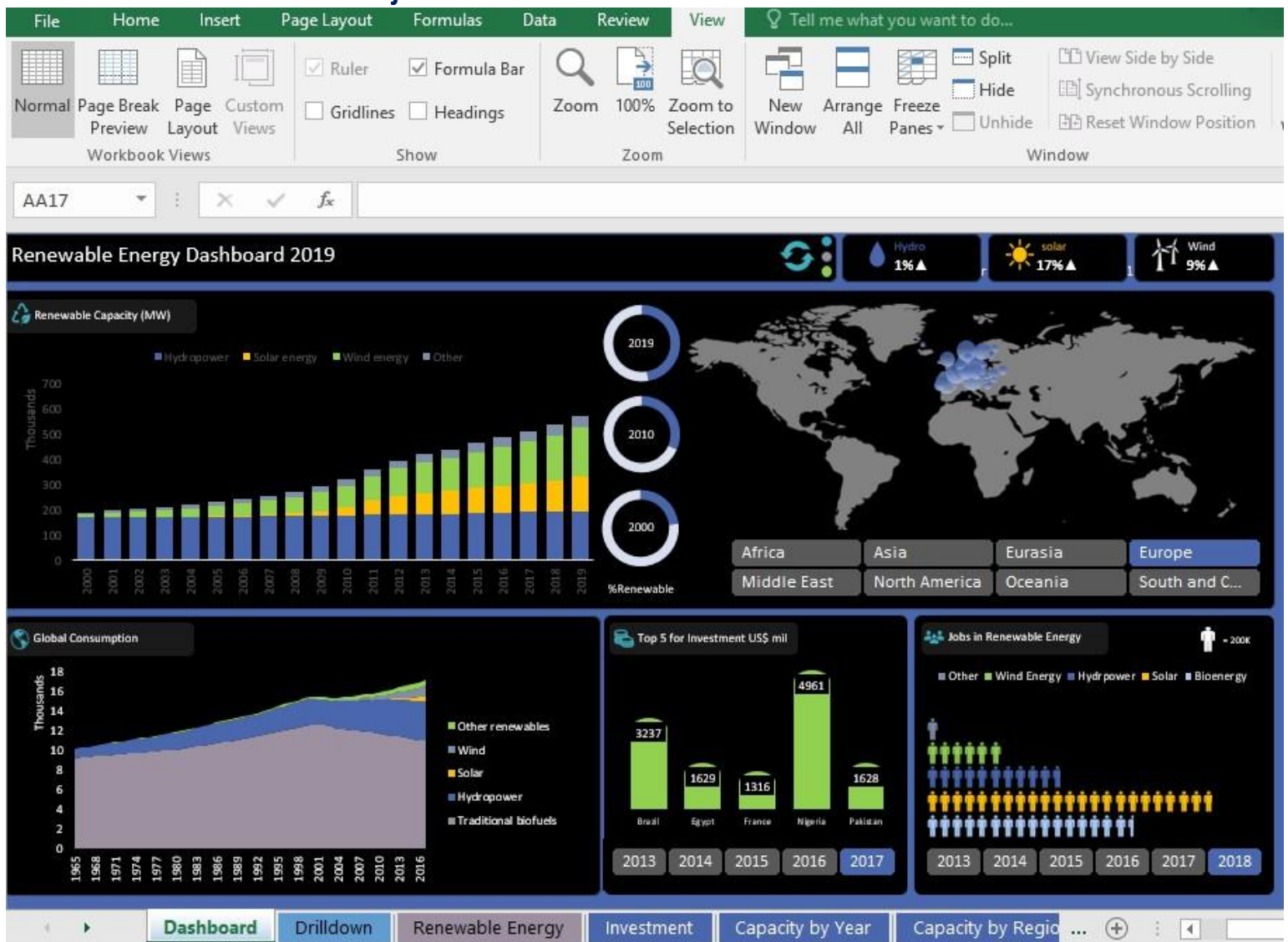


Project-2: Renewable Energy Dashboard

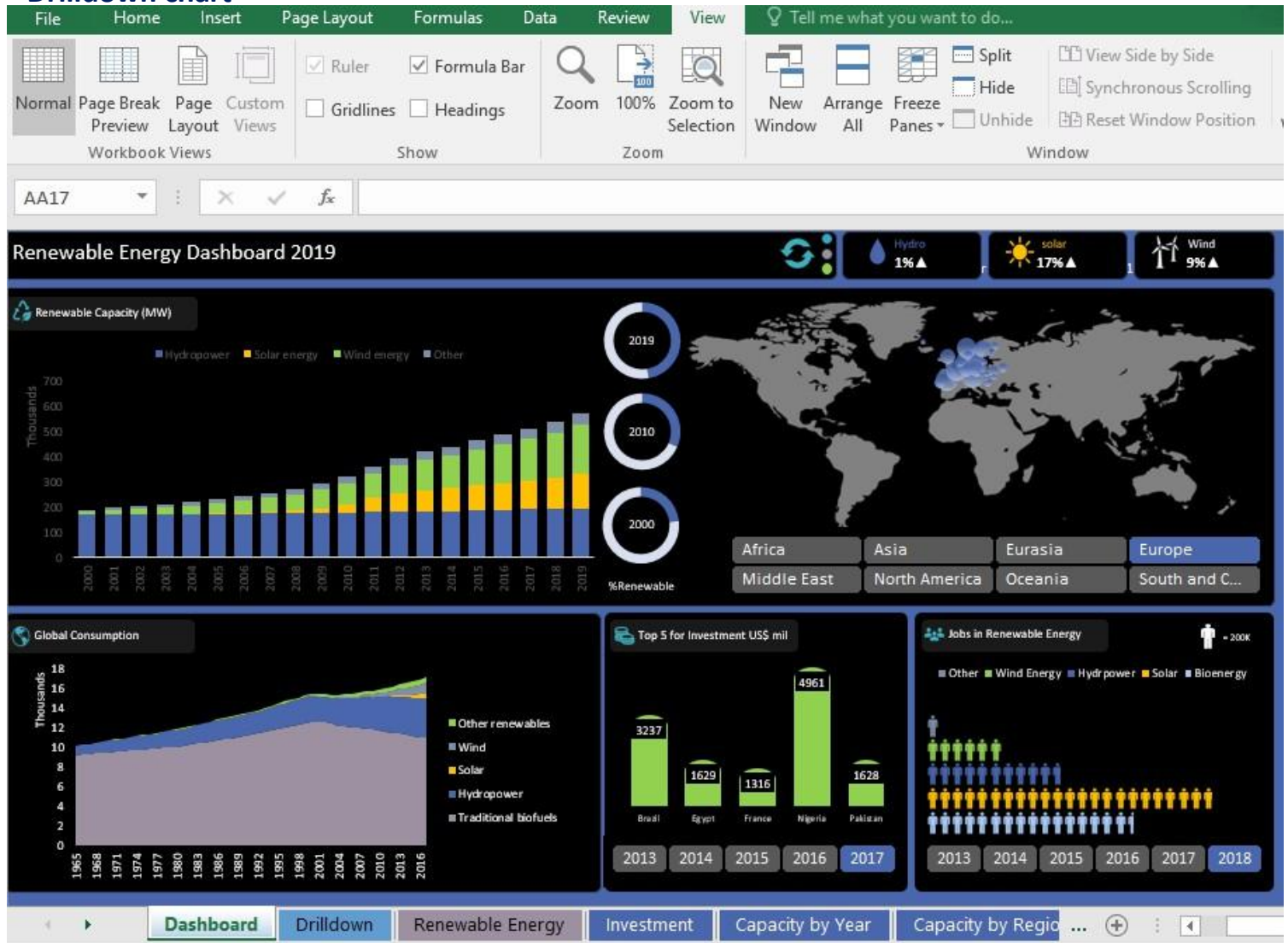
Dashboard

- ✓ This Dashboard contains visualization about...
- ✓ Renewable capacity(MW) by different Region
- ✓ Global Consumption of Renewable Energy
- ✓ Top 5 Country for investment in different year
- ✓ Jobs in Renewable Energy in different year
- ✓ % of Renewable and non-renewable energy
- ✓ Capacity Trends by Top 5 Country in Region
- ✓ Energy generation of Renewable & Non-Renewable Energy Region-wise.

Screenshots of Project - 2



Drilldown chart



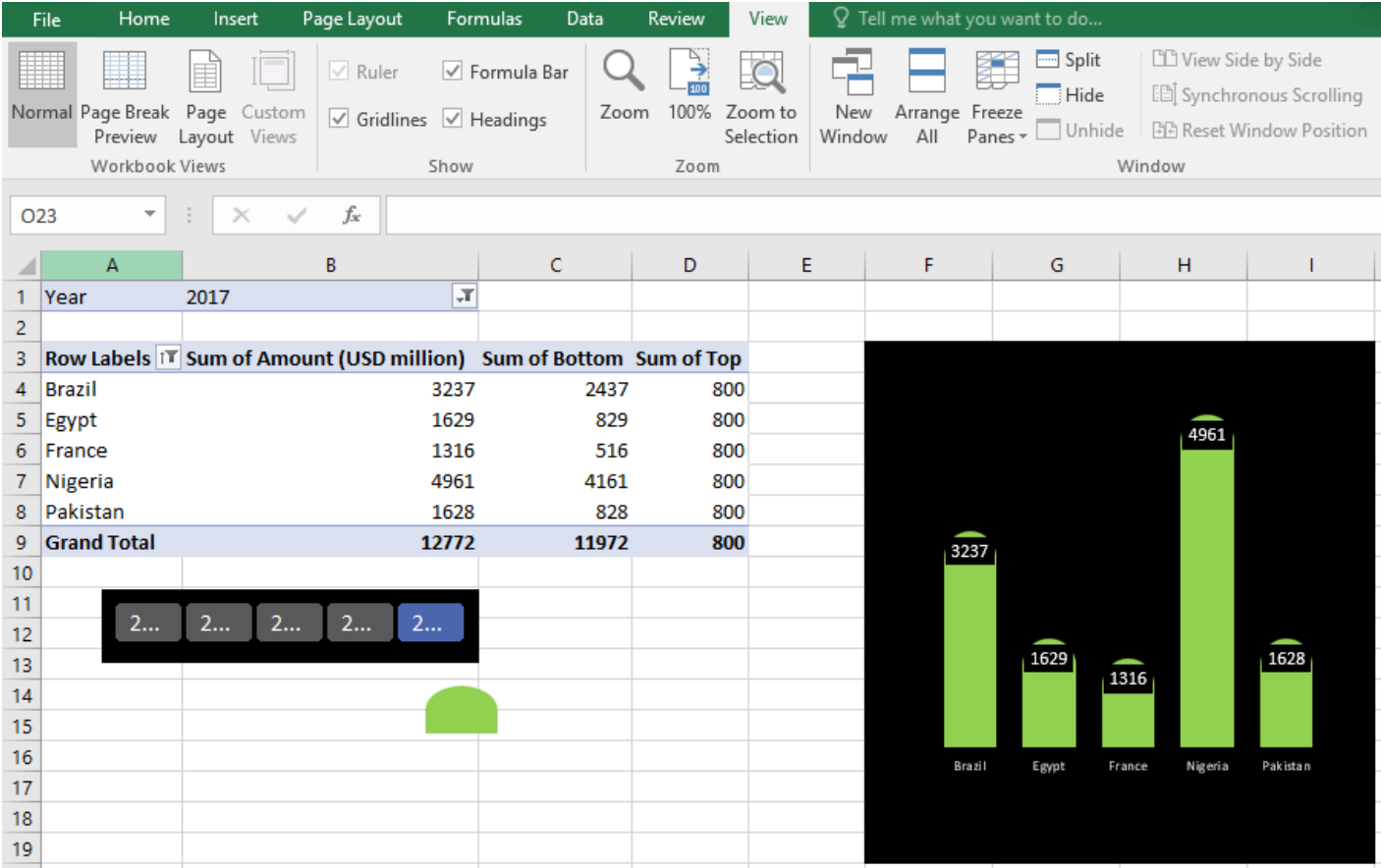
File Home Insert Page Layout Formulas Data Review View Tell me what you want to do...

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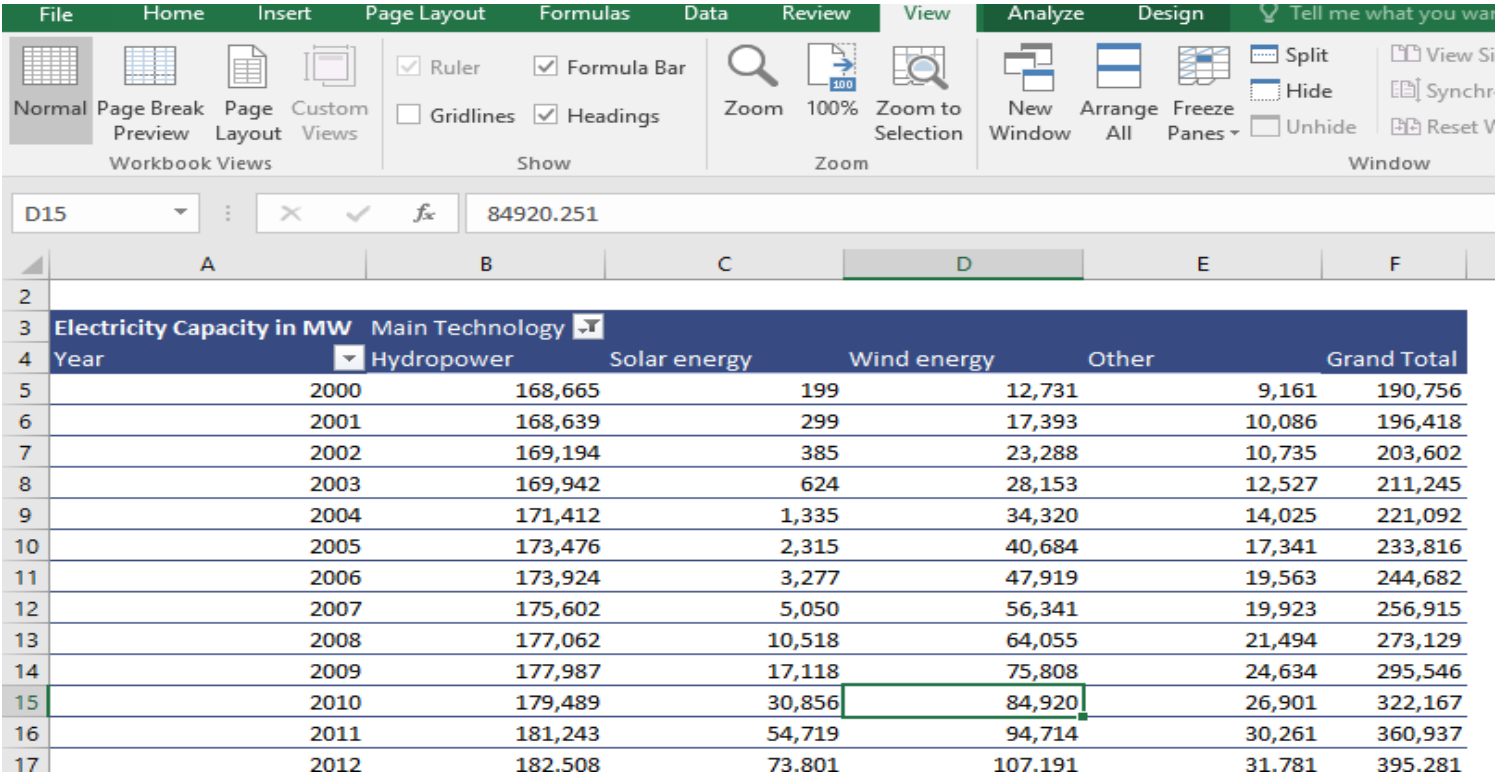
M7

	A	B	C	D	E	F	G	H	I
1	Renewable Energy Capacity and Generation								
2									
3	Region	Country	ISO Code	RE or Non-RE	Main Technology	Technologies	Year	Electricity Capacity (MW)	Electricity Generation (GW)
4	Africa	Algeria	DZA	Non-Renewable	Fossil fuels	Fossil fuels	2000	5630.01	24954.17
5	Africa	Algeria	DZA	Non-Renewable	Fossil fuels	Fossil fuels	2001	5626.5	26187.5
6	Africa	Algeria	DZA	Non-Renewable	Fossil fuels	Fossil fuels	2002	6062.01	27345.3
7	Africa	Algeria	DZA	Non-Renewable	Fossil fuels	Fossil fuels	2003	6184.24	28927.1
8	Africa	Algeria	DZA	Non-Renewable	Fossil fuels	Fossil fuels	2004	6476.24	30633.6
9	Africa	Algeria	DZA	Non-Renewable	Fossil fuels	Fossil fuels	2005	7215.64	32970
10	Africa	Algeria	DZA	Non-Renewable	Fossil fuels	Fossil fuels	2006	7656.88	34704.313
11	Africa	Algeria	DZA	Non-Renewable	Fossil fuels	Fossil fuels	2007	8161.4	36724.781
12	Africa	Algeria	DZA	Non-Renewable	Fossil fuels	Fossil fuels	2008	8272.27	39703.234

Investment



Capacity by years



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☒ Gridlines
 ☒ Headings

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New Window

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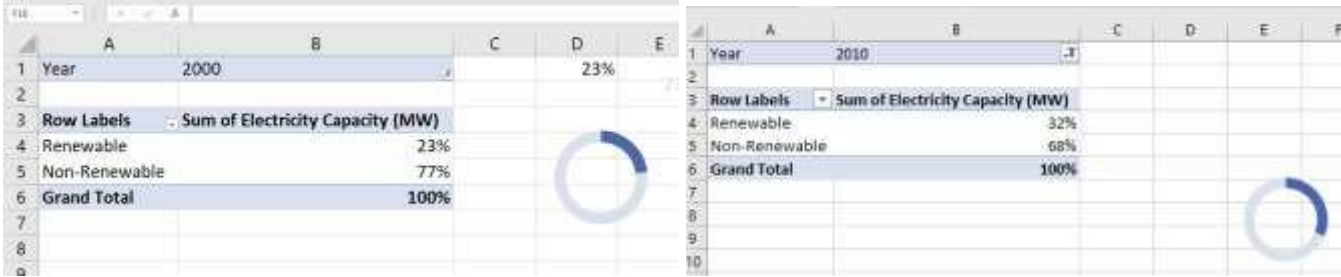
f_x

	A	B	C	D	E	F
1	Region	Europe				
2	RE or Non-RE	Renewable				
3						
4	Row Labels	Sum of Electricity Capacity (MW)		Country	Capacity MW	
5	Albania	32,795		Albania	32795.4	
6	Andorra	867		Andorra	866.616	
7	Austria	321,832		Austria	321832.183	
8	Belarus	2,576		Belarus	2575.628	
9	Belgium	69,745		Belgium	69744.51	
10	Bosnia and Herzegovina	33,004		Bosnia and Herze	33004.373	
11	Bulgaria	56,904		Bulgaria	56903.521	
12	Croatia	47,127		Croatia	47127.305	
13	Cyprus	2,225		Cyprus	2225.388	
14	Czechia	53,510		Czechia	53510.231	
15	Denmark	106,002		Denmark	106002.028	
16	Estonia	5,721		Estonia	5721.42	
17	Faroe Islands	859		Faroe Islands	859.34	
18	Finland	112,255		Finland	112254.714	
19	France	677,161		France	677161.322	
20	Germany	1,209,021		Germany	1209020.6	
21	Greece	114,011		Greece	114010.8	
22	Hungary	14,588		Hungary	14588.132	
23	Iceland	43,327		Iceland	43326.531	

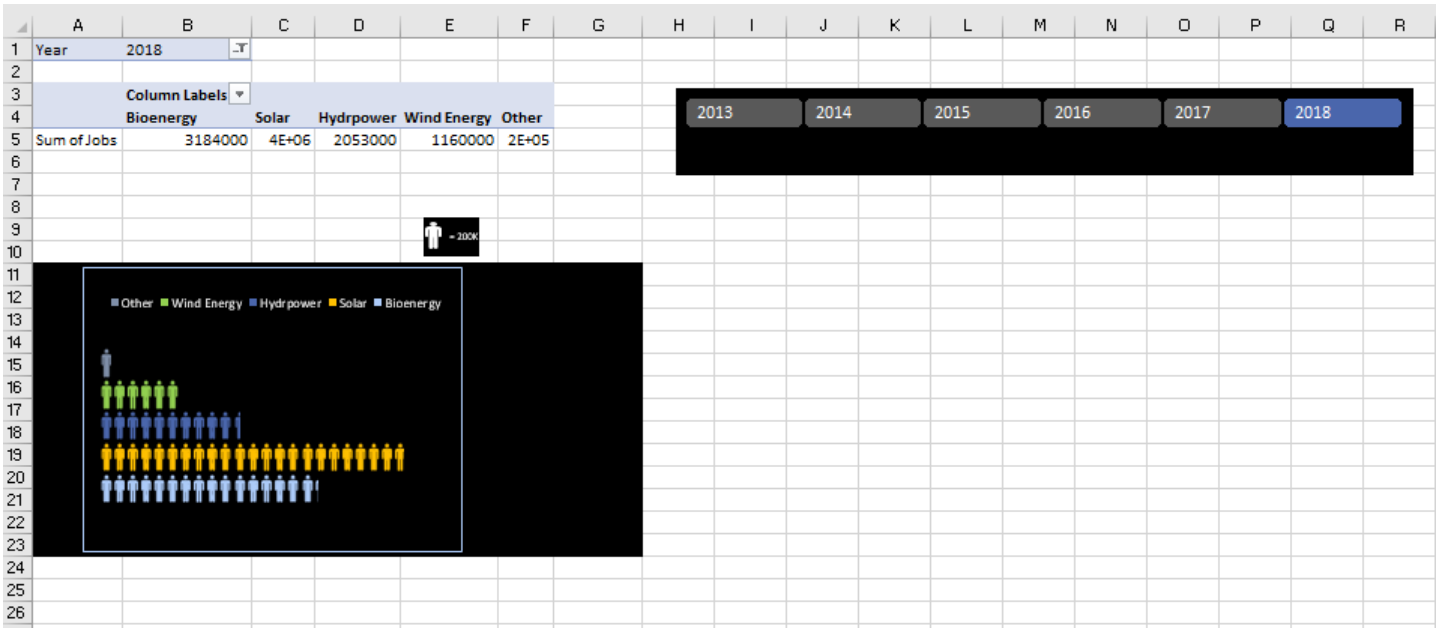
Figure 1: A screenshot of an Excel spreadsheet showing a data table and a world map. The data table lists countries and their electricity capacity in MW. The world map highlights the countries listed in the table.

Country	Lat	Long	Capacity MW
DEU	51.165691	10.4515	1209021
ESP	40.463667	-3.7492	742319
ITA	41.87194	12.5674	682625
FRA	46.227638	2.21375	677161
NOR	60.472024	8.46895	612627
SWE	60.128161	18.6435	461334
GBR	55.378051	-3.436	328949
AUT	47.516231	14.5501	321831
CHE	46.818188	8.22751	286919
PRT	39.399672	-8.2245	184690
ROU	45.943161	24.9668	162801
GRC	39.074208	21.8243	114011
UKR	48.379433	31.1656	112540
FIN	61.90411	25.7482	112255
DNK	56.26392	9.50179	106002
NLD	52.132633	5.29127	78532.9
POL	51.919438	19.1451	71855.7
BEL	50.503887	4.46994	69744.5
BGR	42.733683	25.4856	56903.5
CZE	0	0	0
SRB	44.016521	21.0059	47220.4
HRV	45.1	15.2	47127.3
ISL	64.963051	-19.021	43326.5
SVK	48.669026	19.699	38844.5
EST	59.427961	24.6239	26170.8

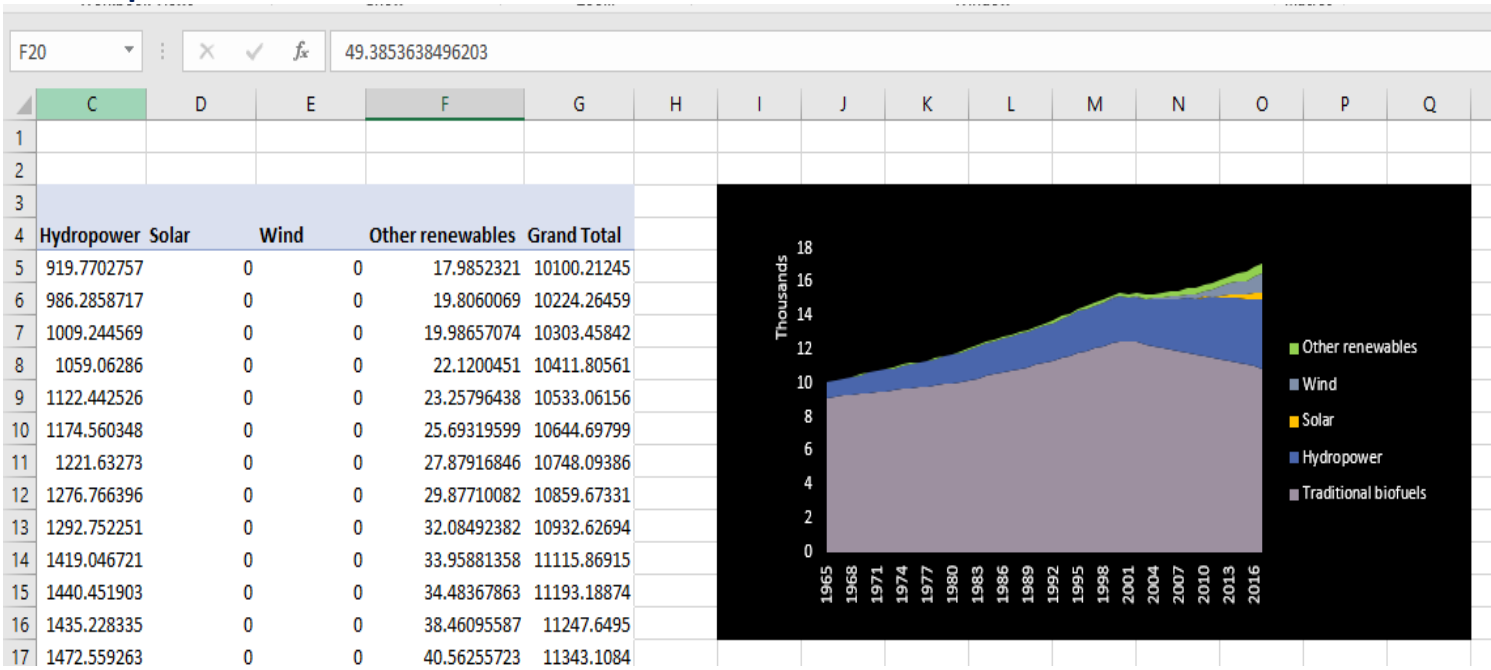
Year Wise



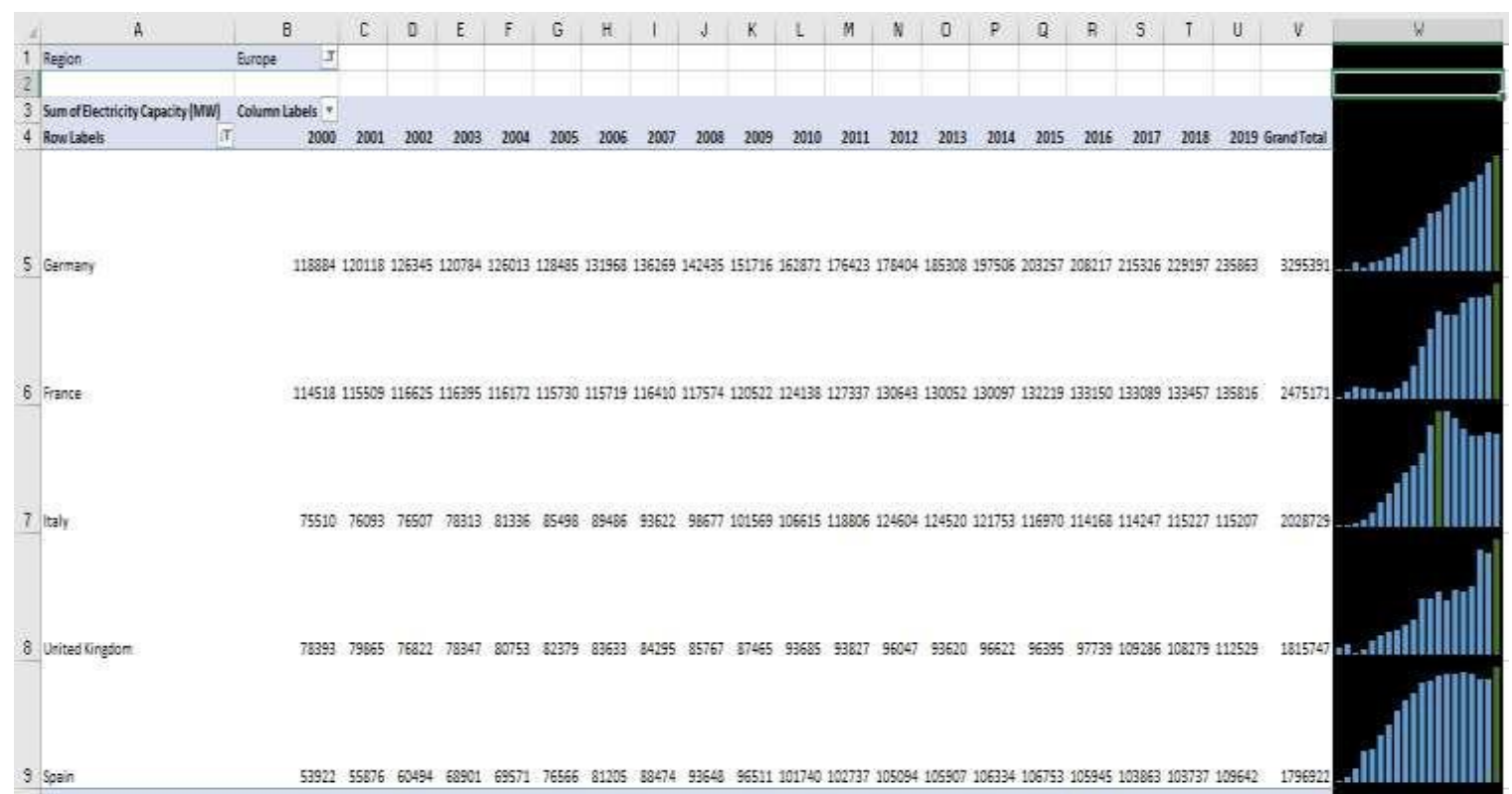
Jobs



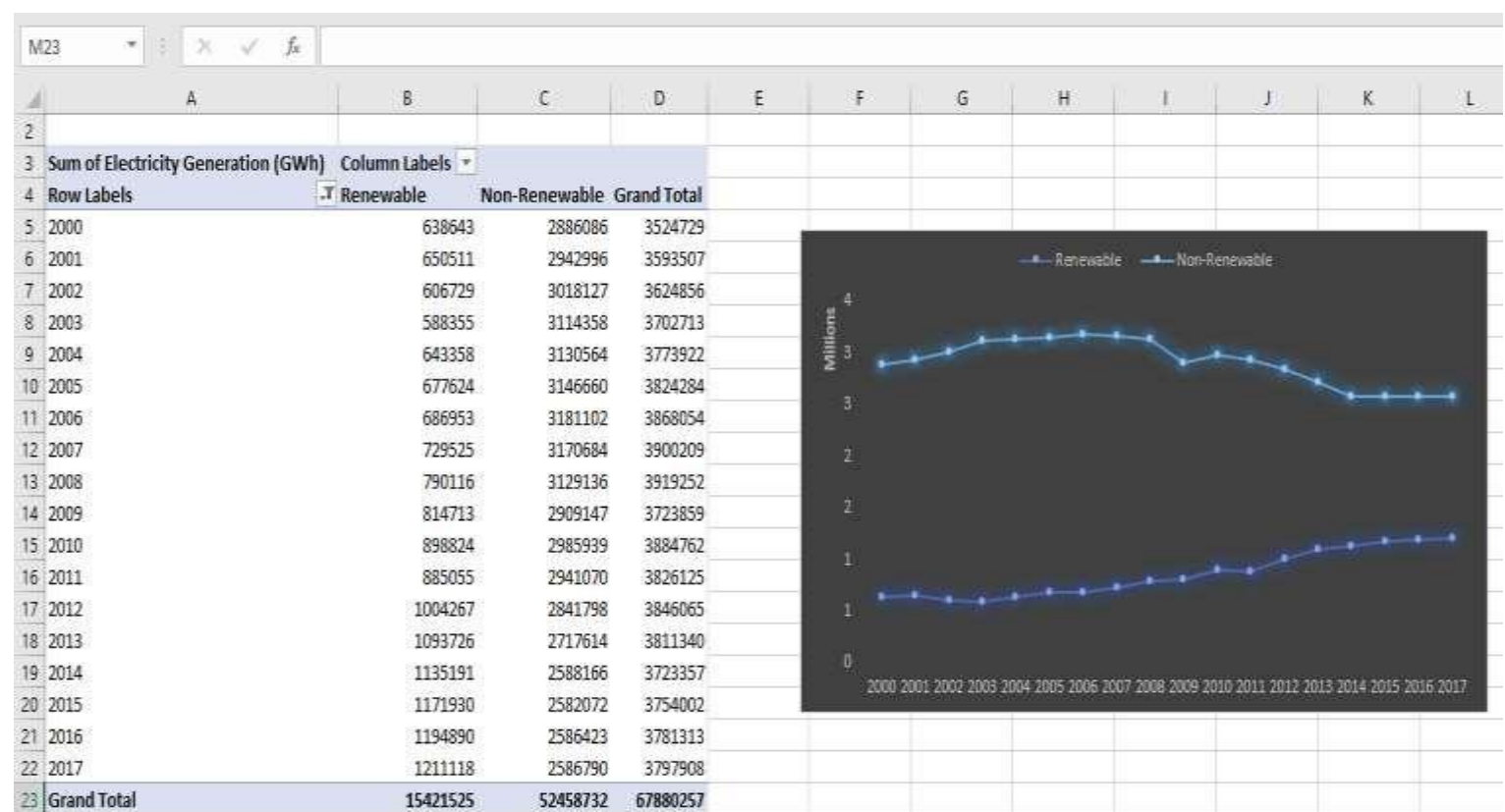
Consumption



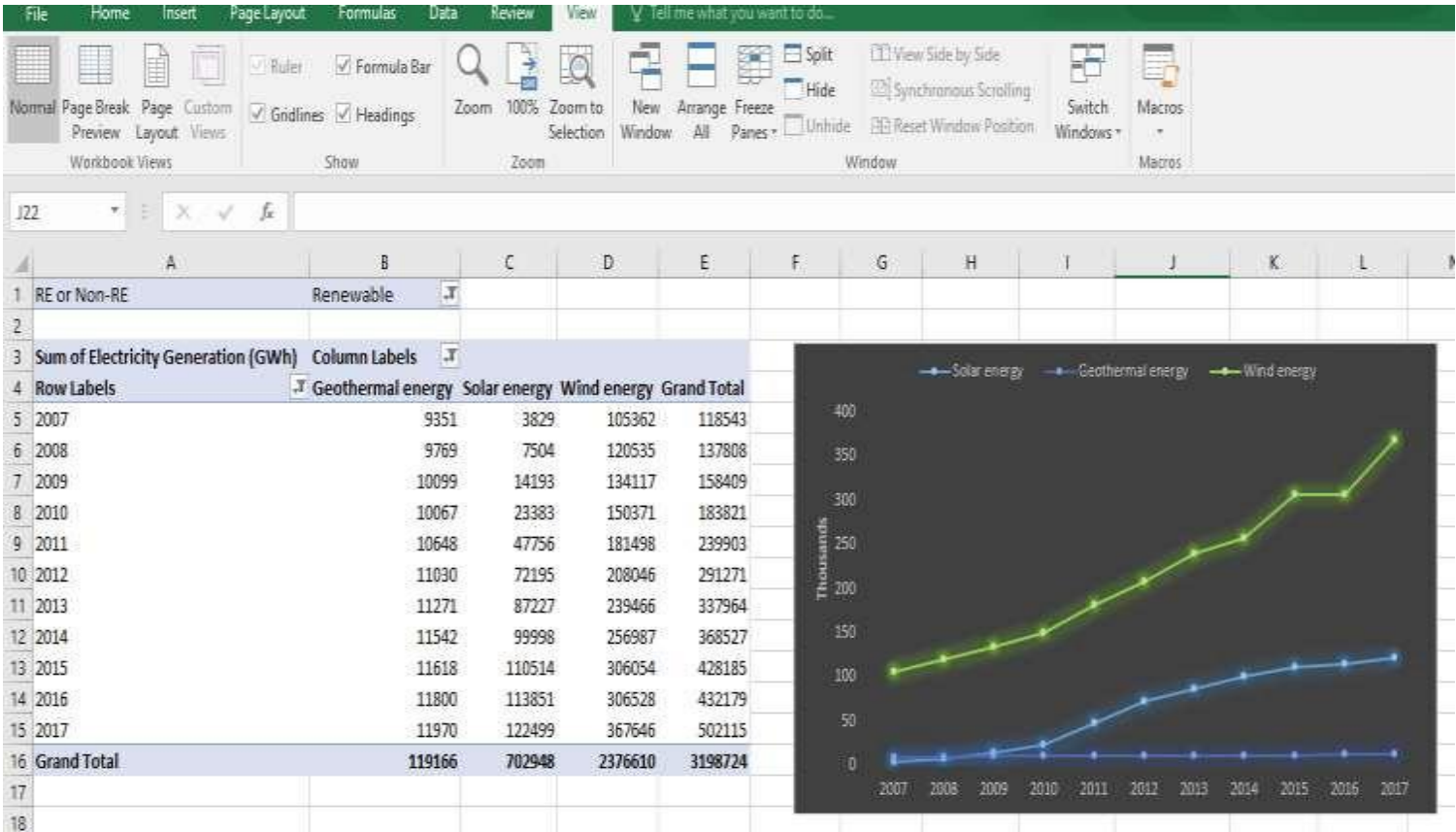
Small Multiples



Generation Chart – Non Renewable



Generation Chart – Renewable







Renewable Data

Excel interface showing a table of investment data in renewable energy, including columns for Recipient Country/Area, ISO-cod, Region, Project, Date, Investo, Technology, Asset Clas, Amount (USD millio), and Source.

Recipient Country/Area	ISO-cod	Region	Project	Date	Investo	Technology	Asset Clas	Amount (USD millio)	Source
Afghanistan	AFG	Asia	Decentralized Power Supply through Renewable Energies	1/01/2013	Others	Multiple renewab	Grant	20.94393394	2013 OECD Crec
Chile	CHL	South Am	Renewable Energy and Energy Efficiency Programme in Chile (AM)	1/01/2013	Others	Multiple renewab	Grant	1.846094985	2013 OECD Crec
Palestine	PSE	Middle Ea	Assistance to Social and Development Projects in Palestine - Essahaba C	1/01/2013	Others	Solar energy	Grant	0.045061927	2013 OECD Crec
Romania	ROU	Europe	Smardan Wind Project	1/01/2013	EBRD	Wind energy	Loan	68.32739934	http://www.eb
Brazil	BRA	South Am	Dos Arcas Wind Project	2/01/2013	BNDES	Wind energy	Loan	23.23537661	Online databas
Nepal	NPL	Asia	PROJECT PREPARATORY FACILITY FOR ENERGY	2/01/2013	AsDB	Renewable Hydro	Grant	14.19450689	2013 OECD Crec
Other Cent Am Carib	XCC	Central Ar	Development of a Clean and Sustainable Electric Grid in Latin America	2/01/2013	IADB	Multiple renewab	Grant	0.720990826	2013 OECD Crec
Senegal	SEN	Africa	SOLAR ENERGY AT THE SERVICE OF EDUCATION. A PHOTOVOLTAIC POWE	2/01/2013	Others	Solar energy	Grant	0.00138199	2013 OECD Crec
Other Africa	XAF	Africa	Employment through development of renewable energy	3/01/2013	Others	Multiple renewab	Grant	5.817765269	2013 OECD Crec
Thailand	THA	Asia	TC AGGREGATED ACTIVITIES	3/01/2013	JICA	Multiple renewab	Grant	1.052247116	2013 OECD Crec
Brazil	BRA	South Am	Faiza IV Wind Project	4/01/2013	BNDES	Wind energy	Loan	6.301203807	Online databas
Bosnia Herzg	BIH	Europe	Energy Sector Program III	5/01/2013	KFW	Multiple renewab	Loan	11.63554807	2013 OECD Crec
Brazil	BRA	South Am	Corredor do Senandes IV Wind Project	5/01/2013	BNDES	Wind energy	Loan	25.88641507	Online databas
Other Africa	XAF	Africa	CEDEAO/ECOWAS 2013. Recruitment of technical assistance ECREEE [Rej	5/01/2013	Others	Multiple renewab	Grant	0.09131202	2013 OECD Crec
Romania	ROU	Europe	Crucea North Wind Farm	5/01/2013	EBRD	Wind energy	Loan	81.44672866	http://www.eb
Brazil	BRA	South Am	Bagasse Pre-Treatment Equipment	6/01/2013	BNDES	Bioenergy	Loan	6.777308448	Online databas

Jobs Data and World Consumption

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Workbook Views								Show	
B11								Other	
	A	B	C	D					
1	Year	Technology	Jobs						
2	2013	Solar	2776000						
3	2013	Bioenergy	2499000						
4	2013	Hydrpower	2210000						
5	2013	Wind Energy	834000						
6	2013	Other	227000						
7	2014	Solar	3258000						
8	2014	Bioenergy	2990000						
9	2014	Hydrpower	2036000						
10	2014	Wind Energy	1027000						
11	2014	Other	187000						
12	2015	Solar	3710000						
13	2015	Bioenergy	2882000						
14	2015	Hydrpower	2164000						
15	2015	Wind Energy	1081000						
16	2015	Other	200000						
17	2016	Solar	3918000						
18	2016	Bioenergy	2743000						
19	2016	Hydrpower	2062000						
20	2016	Wind Energy	1160000						
21	2016	Other	240000						

	A	B	C	D	E
1	Region	Year	Type	Value	Date
2	World	1965	Traditiona	9162.457	1/01/1965
3	World	1965	Hydropow	919.7703	1/01/1965
4	World	1965	Solar	0	1/01/1965
5	World	1965	Wind	0	1/01/1965
6	World	1965	Other ren	17.98523	1/01/1965
7	World	1966	Traditiona	9218.173	1/01/1966
8	World	1966	Hydropow	986.2859	1/01/1966
9	World	1966	Solar	0	1/01/1966
10	World	1966	Wind	0	1/01/1966
11	World	1966	Other ren	19.80601	1/01/1966
12	World	1967	Traditiona	9274.227	1/01/1967
13	World	1967	Hydropow	1009.245	1/01/1967
14	World	1967	Solar	0	1/01/1967
15	World	1967	Wind	0	1/01/1967
16	World	1967	Other ren	19.98657	1/01/1967
17	World	1968	Traditiona	9330.623	1/01/1968
18	World	1968	Hydropow	1059.063	1/01/1968
19	World	1968	Solar	0	1/01/1968
20	World	1968	Wind	0	1/01/1968
21	World	1968	Other ren	22.12005	1/01/1968