



Mevlana
Kalkınma Ajansı
Development Agency



INVEST IN
KONYA'DA
YATIRIM



INVEST IN
KARAMAN'DA
YATIRIM
www.investinkaraman.gov.tr

Energy Potential of Konya-Karaman

Mücahit Yasir KINALI
MEVKA, 2015



Agenda



1

- Global Energy Outlook

2

- Energy Potential of Our Region

2

- Energy Investments in our Region

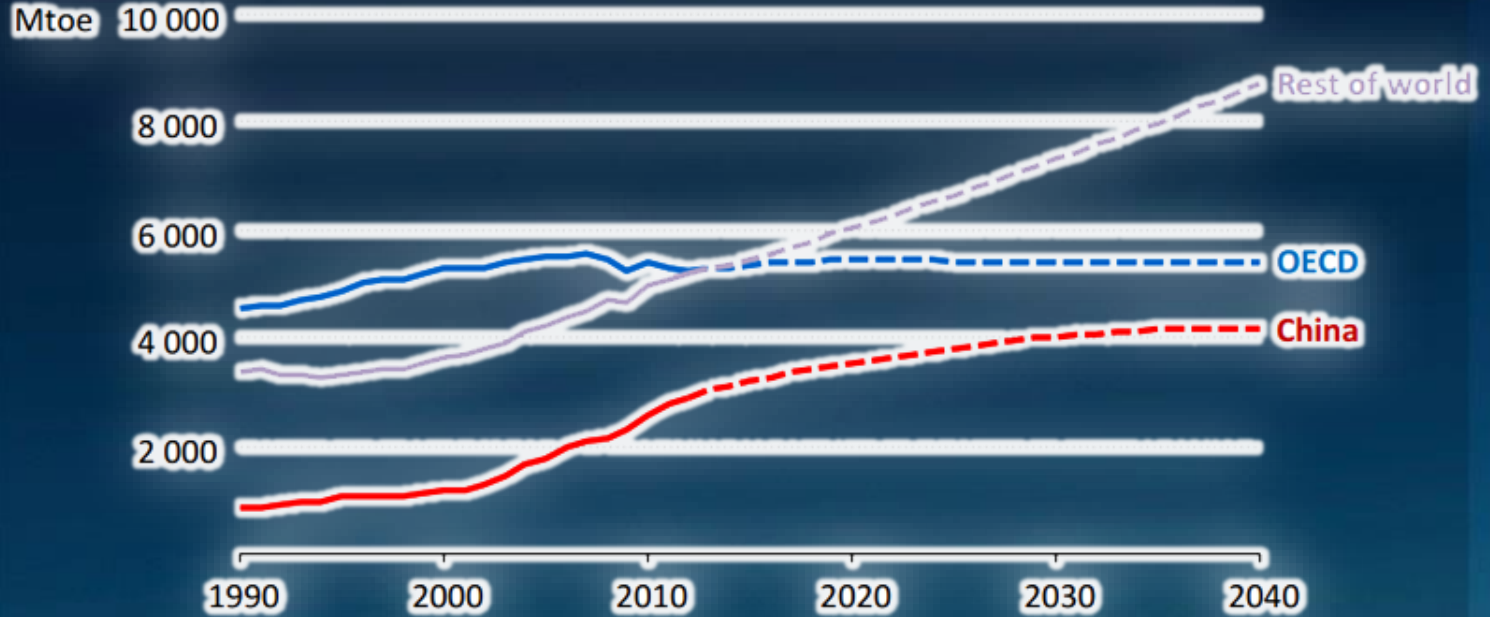


YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Mevlana
Kalkınma Ajansı
Development Agency

Our Energy Politics



2013 - 13 Billion TEP
2040 - 18 Billion TEP

IEA, World Energy Outlook 2014



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN

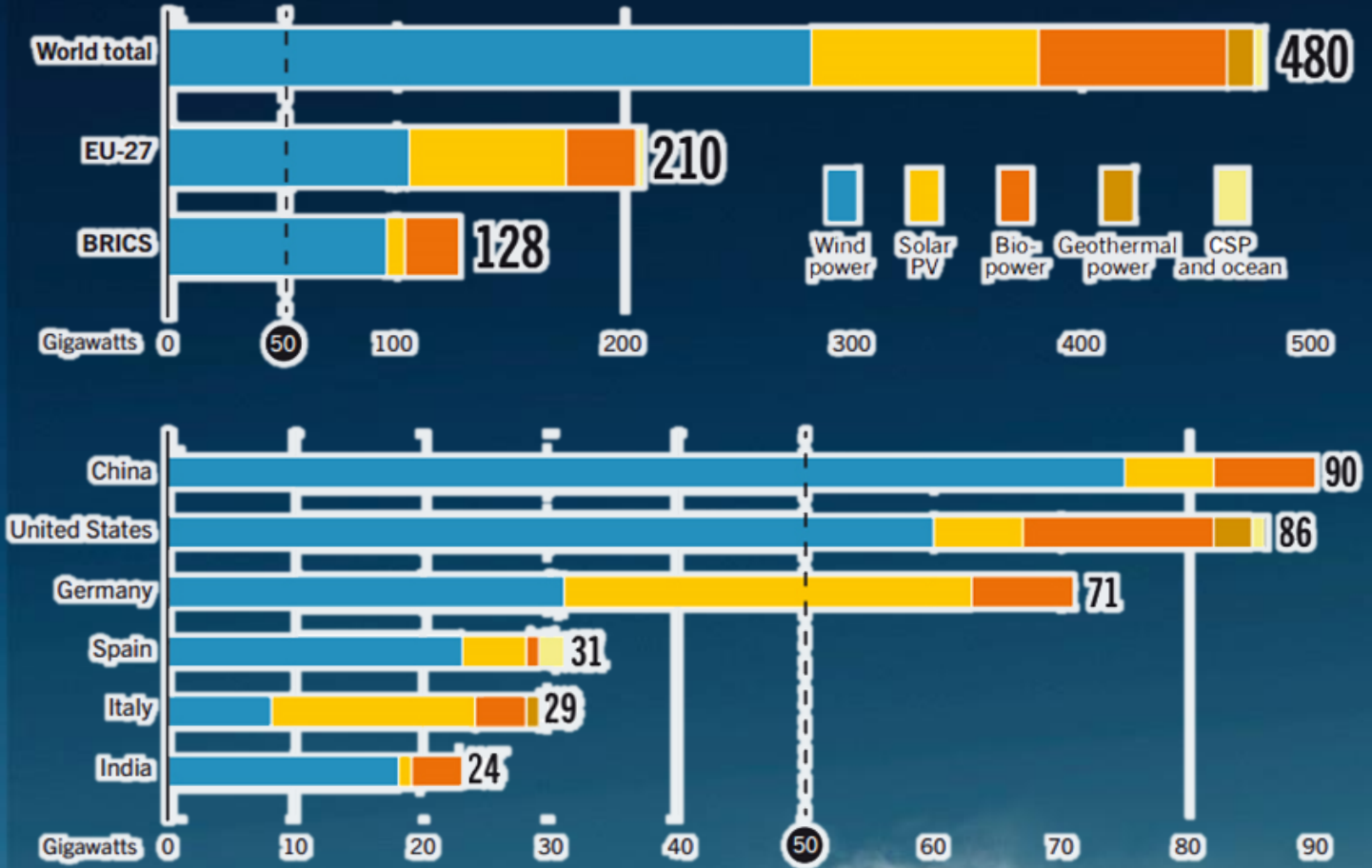


INVEST IN
KARAMAN'DA
YATIRIM
www.investinkaraman.gov.tr



Mevlana
Kalkınma Ajansı
Development Agency

Our Energy Politics



Global Renewable Energy Report, 2014

Our Energy Politics



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



www.investinkaraman.gov.tr



Mevlana
Kalkınma Ajansı
Development Agency

SOLAR PHOTOVOLTAICS (PV)

FIGURE 11. SOLAR PV GLOBAL CAPACITY, 1995–2012



Global Renewable Energy Report, 2014



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Mevlana
Kalkınma Ajansı
Development Agency

Our Energy Politics

FIGURE 12. SOLAR PV GLOBAL CAPACITY, SHARES OF TOP 10 COUNTRIES, 2012



GLOBAL TOTAL =
~100 GW

Global Renewable Energy Report, 2014

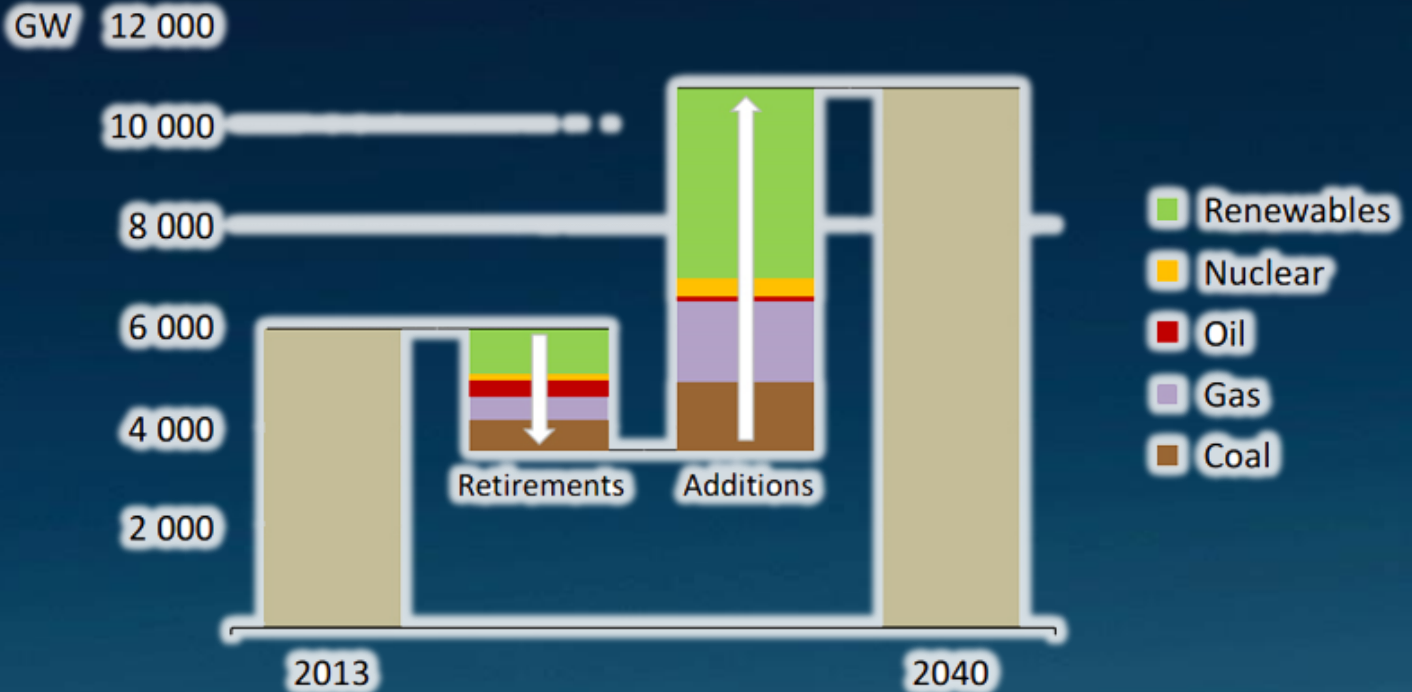


YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Mevlana
Kalkınma Ajansı
Development Agency

Our Energy Politics



4000 GW
Renewable Energy

IEA, World Energy Outlook 2014

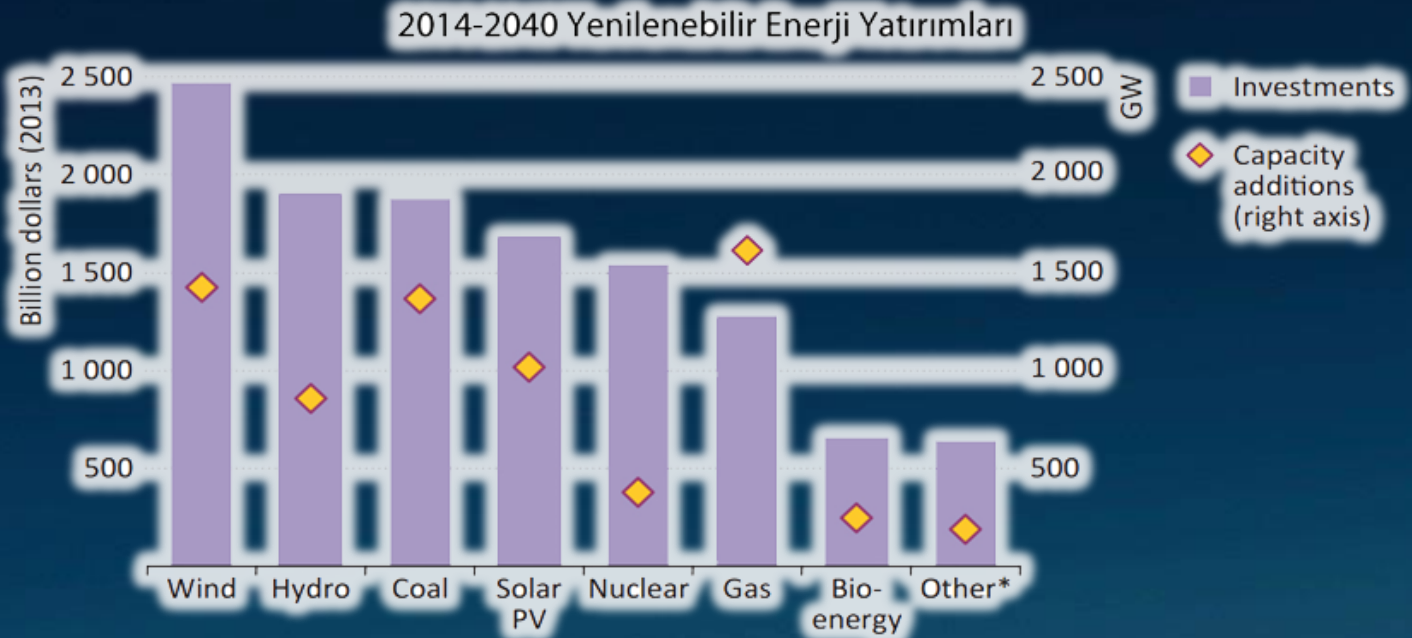


YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Mevlana
Kalkınma Ajansı
Development Agency

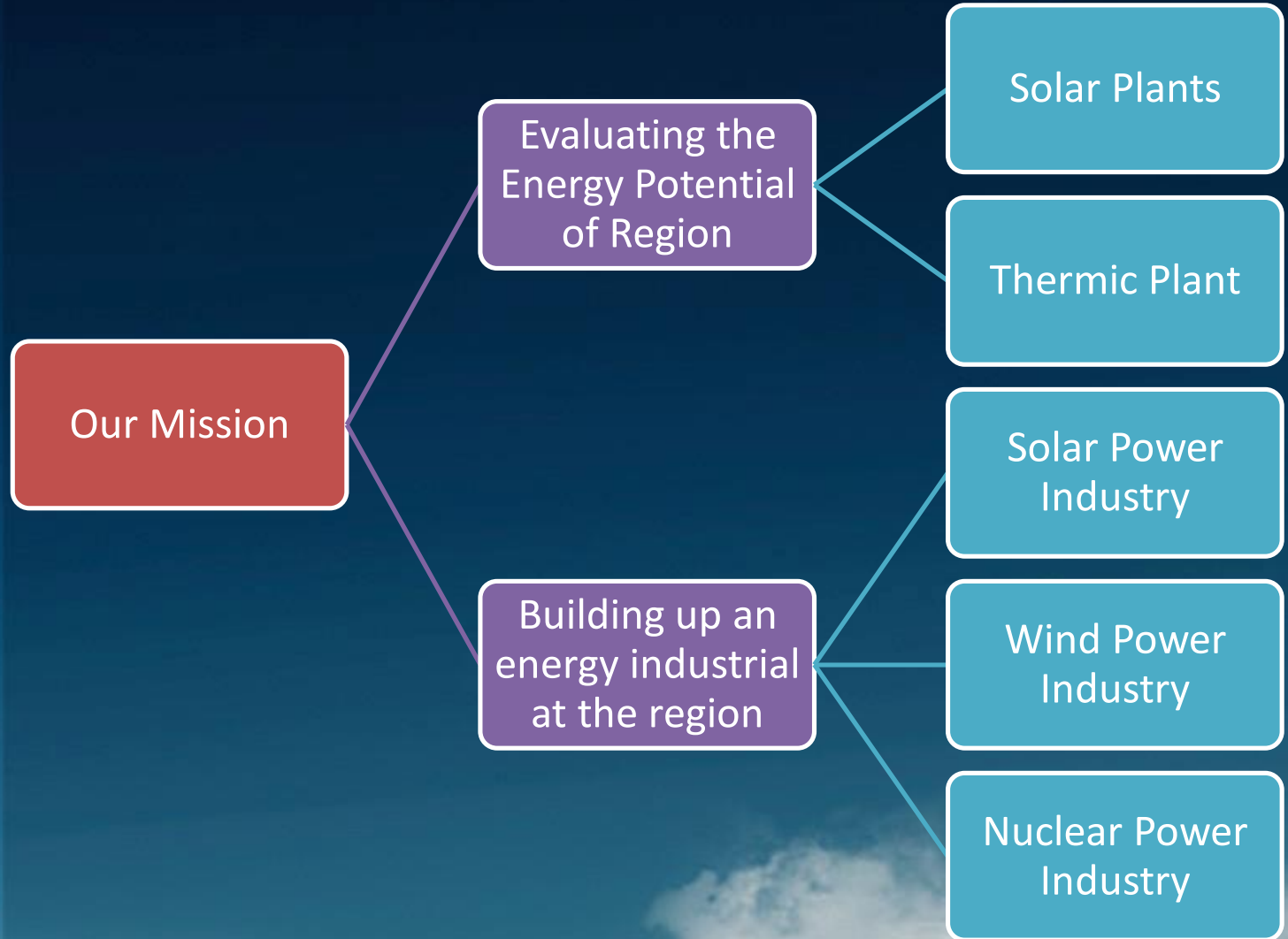
Our Energy Politics



IEA, World Energy Outlook 2014



Our Energy Politics



Energy Potential of Region



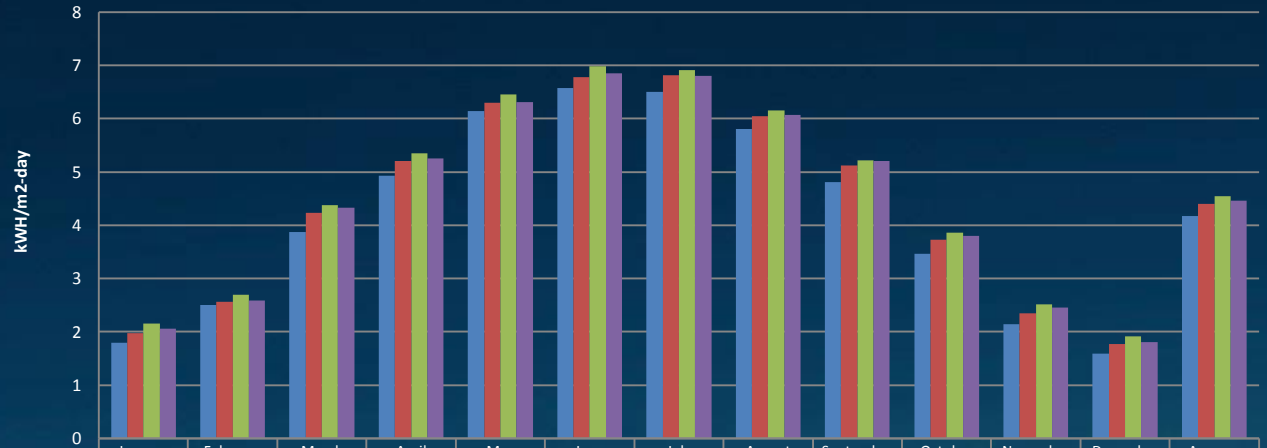
Energy Potential of Region



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Global Radiation (kWh/m2-day)



Konya %5,53,
Karapınar %6,82, are more efficiency than Turkey's average
Karaman %8,92

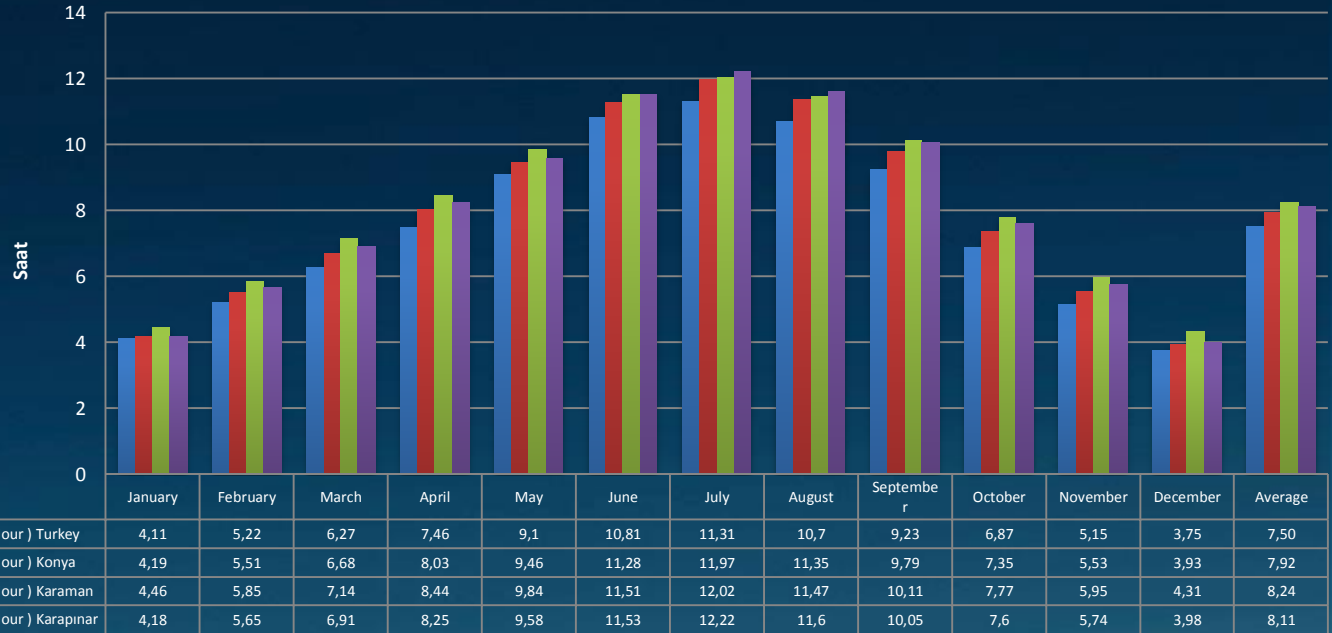
Energy Potential of Region



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Sunshine Duration (Hour)



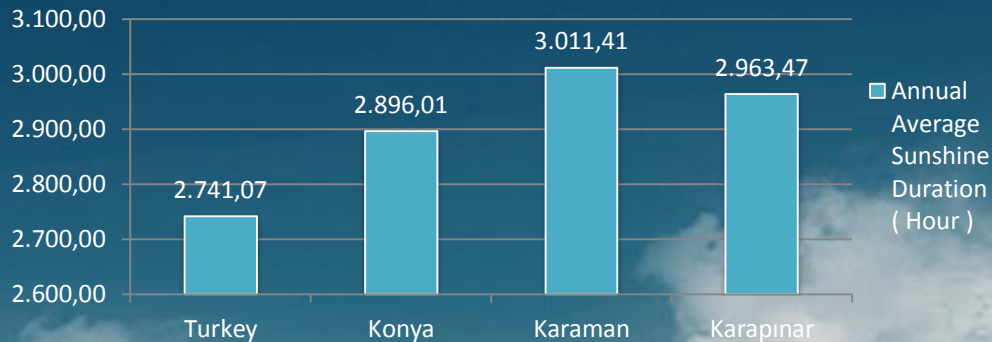
Konya %5,66,
Karapınar %8,12,
Karaman %9,88

are more efficiency than Turkey's average

Energy Potential of Region

MONTHS	Global Radiation (kWh/m2-day)				Sunshine Duration (Hour)			
	Turkey	Konya	Karaman	Karapınar	Turkey	Konya	Karaman	Karapınar
January	1,79	1,98	2,16	2,06	4,11	4,19	4,46	4,18
February	2,5	2,56	2,69	2,59	5,22	5,51	5,85	5,65
March	3,87	4,23	4,38	4,33	6,27	6,68	7,14	6,91
April	4,93	5,2	5,35	5,25	7,46	8,03	8,44	8,25
May	6,14	6,3	6,45	6,31	9,1	9,46	9,84	9,58
June	6,57	6,78	6,98	6,85	10,81	11,28	11,51	11,53
July	6,5	6,81	6,91	6,8	11,31	11,97	12,02	12,22
August	5,81	6,05	6,15	6,07	10,7	11,35	11,47	11,6
September	4,81	5,12	5,22	5,2	9,23	9,79	10,11	10,05
October	3,46	3,73	3,86	3,8	6,87	7,35	7,77	7,6
November	2,14	2,35	2,52	2,46	5,15	5,53	5,95	5,74
December	1,59	1,77	1,91	1,81	3,75	3,93	4,31	3,98
Average	4,18	4,41	4,55	4,46	2.741,07	2.896,01	3.011,41	2.963,47

Annual Average Sunshine Duration (Hour)



Konya **%5,66**,
Karapınar **%8,12**,
Karaman **%9,88**

are more
efficiency than
Turkey's
avarage





YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



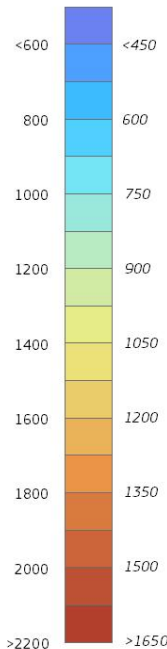
Mevlana
Kalkınma Ajansı
Development Agency

Energy Potential of Region

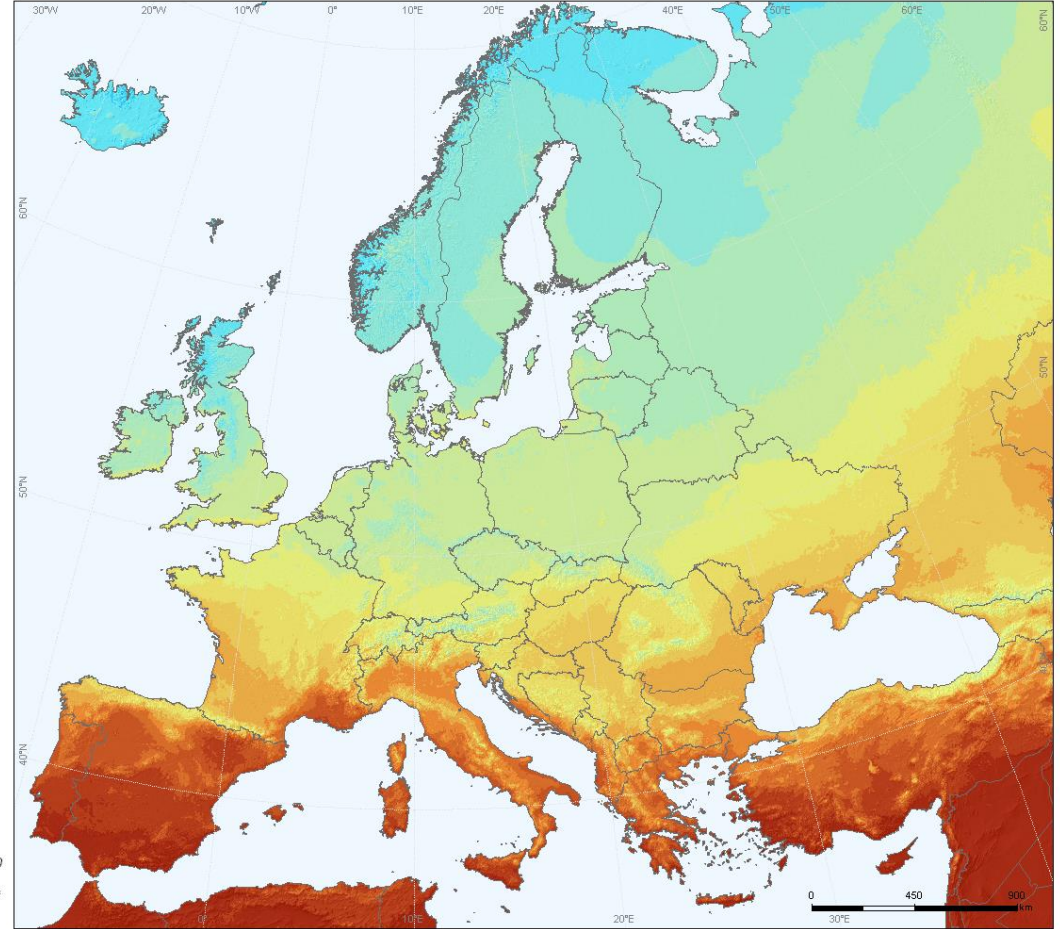
Photovoltaic Solar Electricity Potential in European Countries



Global irradiation*
[kWh/m²]



Solar electricity**
[kWh/kW_{peak}]



* Yearly sum of global irradiation incident on optimally-inclined south-oriented photovoltaic modules

**Yearly sum of solar electricity generated by optimally-inclined 1kW_p system with a performance ratio of 0.75

© European Union, 2012

PVGIS <http://re.jrc.ec.europa.eu/pvgis/>

Authors: Thomas Huld, Irene Pinedo-Pascua
EC - Joint Research Centre
In collaboration with: CM SAF, www.cmsaf.eu

Legal notice: Neither the European Commission nor any person acting on behalf of the Commission is responsible for the use which might be made of this publication



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN

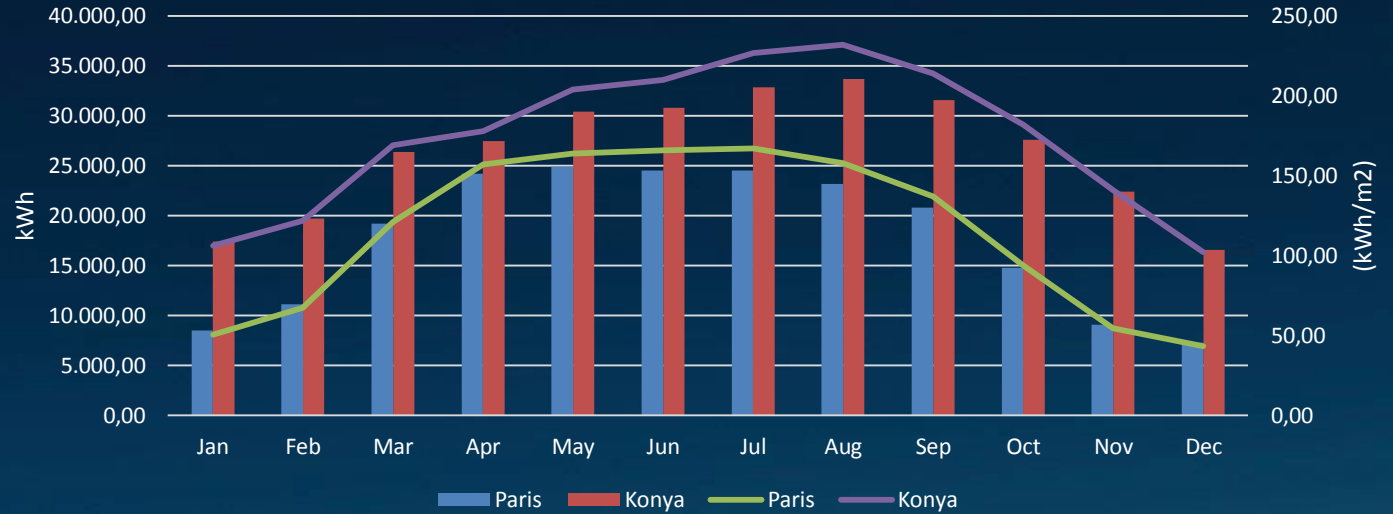


Mevlana
Kalkınma Ajansı
Development Agency

Energy Potential of Region

Paris Case

Avarage Monthly Electricity Production



Konya is

%49,61

more efficiency than Paris's avarage for Avarage Monthly Electricity Production
Konya is

%51,45

more efficiency than Paris's avarage for Avarage Monthly Irradiation per square meter

Values are taken from PVGIS site.

<http://re.jrc.ec.europa.eu/pvgis/apps4/pvest.php>



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN

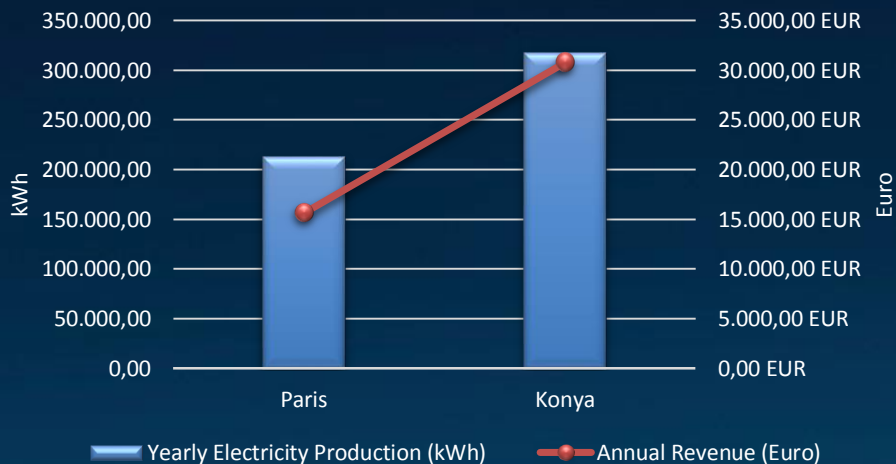


Mevlana
Kalkınma Ajansı
Development Agency

Energy Potential of Region

Paris Case

Annual Electricity Production and Revenue



Konya is

%49,61

more efficiency than Paris's
Yearly Electricity Production

The Power Plant in
Konya is

%97,07

more efficiency than Paris's
Annual Revenue

Paris				
Month	Average daily electricity production E_d (kWh)	Average monthly electricity production E_m (kWh)	Average daily sum of global irradiation per square meter H_d (kWh/m ²)	Average sum of global irradiation per square meter H_m (kWh/m ²)
Yearly average	580,08	17.666,67	3,77	114,96
Total for year	212.000,00		1.379,50	
Annual Revenue	15.603,20 EUR		0,0736 Euro / kWh	

Konya				
Month	Average daily electricity production E_d (kWh)	Average monthly electricity production E_m (kWh)	Average daily sum of global irradiation per square meter H_d (kWh/m ²)	Average sum of global irradiation per square meter H_m (kWh/m ²)
Yearly average	867,92	26.416,67	5,71	173,92
Total for year	317.000,00		2.087,00	
Annual Revenue	30.749,00 EUR		0,097 Euro / kWh	

Values are taken from PVGIS site. <http://re.jrc.ec.europa.eu/pvgis/apps4/pvest.php>

Tariffs taken from CRE site. <http://www.cre.fr/documents/deliberations/communication/coefficients-s11-et-v11>



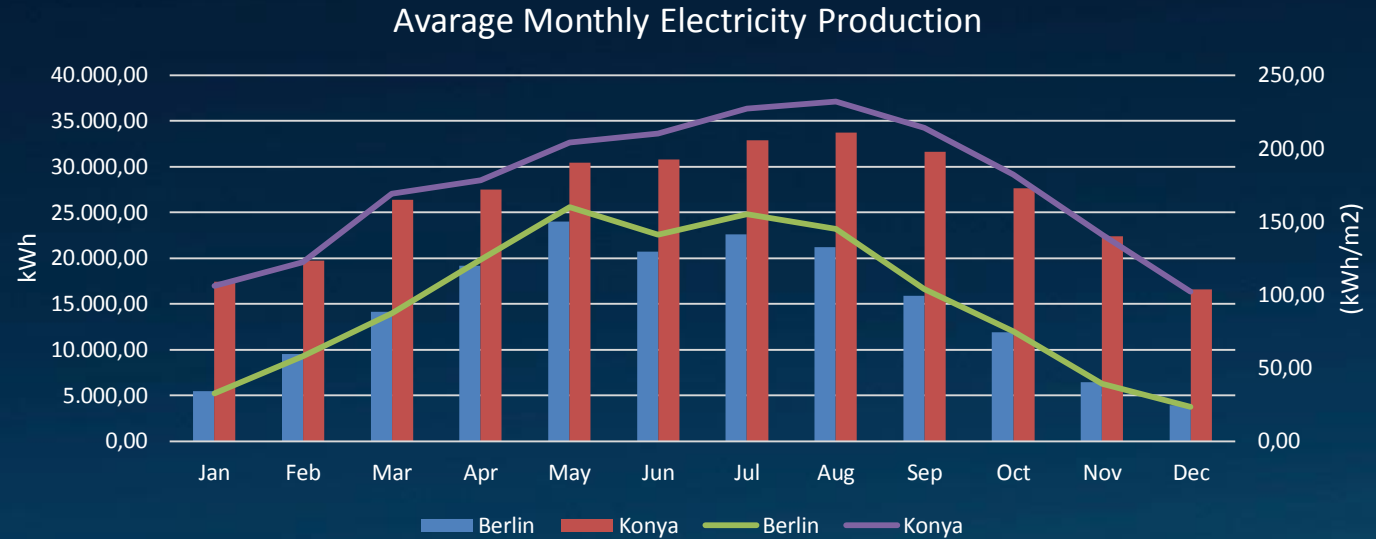
YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Mevlana
Kalkınma Ajansı
Development Agency

Energy Potential of Region

Berlin Case



Konya is

%81,15

more efficiency than Berlin's average for Average Monthly Electricity Production
Konya is

%82,45

more efficiency than Berlin's average for Average Monthly Irradiation per square meter

Values are taken from PVGIS site.

<http://re.jrc.ec.europa.eu/pvgis/apps4/pvest.php>



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN

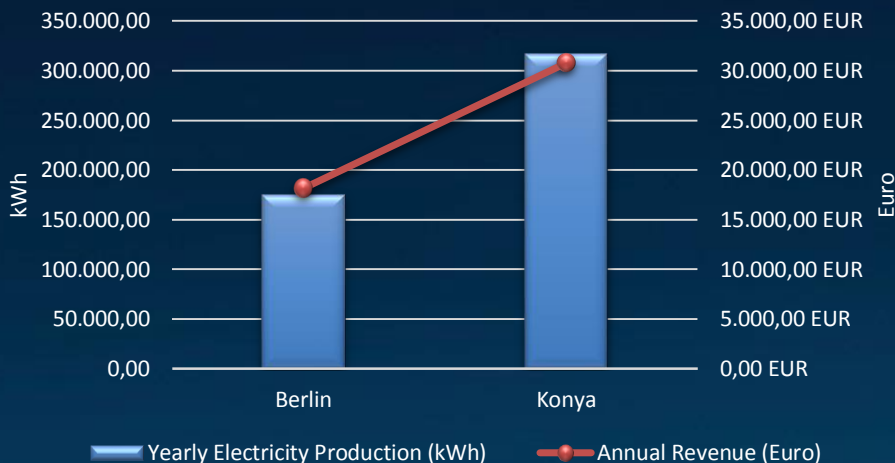


Mevlana
Kalkınma Ajansı
Development Agency

Energy Potential of Region

Berlin Case

Annual Electricity Production and Revenue



Konya is

%81,15

more efficiency than
Berlin's Yearly Electricity
Production

The Power Plant in
Konya is

%69,61

more efficiency than
Berlin's Annual Revenue

Berlin				
Month	Average daily electricity production E_d (kWh)	Average monthly electricity production E_m (kWh)	Average daily sum of global irradiation per square meter H_d (kWh/m ²)	Average sum of global irradiation per square meter H_m (kWh/m ²)
Yearly average	478,50	14.582,50	3,13	95,36
Total for year	174.990,00		1.144,30	
Annual Revenue	18.128,96 EUR		0,1153 Euro / kWh (Av. 0,1036 E) Monthly %1,48 Decline	

Konya				
Month	Average daily electricity production E_d (kWh)	Average monthly electricity production E_m (kWh)	Average daily sum of global irradiation per square meter H_d (kWh/m ²)	Average sum of global irradiation per square meter H_m (kWh/m ²)
Yearly average	867,92	26.416,67	5,71	173,92
Total for year	317.000,00		2.087,00	
Annual Revenue	30.749,00 EUR		0,097 Euro / kWh	

Values are taken from PVGIS site. <http://re.jrc.ec.europa.eu/pvgis/apps4/pvest.php>

Tariffs taken from Bundesnetzagentur site.

http://www.bundesnetzagentur.de/cln_1432/DE/Sachgebiete/ElektrizitaetundGas/Unternehmen_Institutionen/ErneuerbareEnergien/Photovoltaik/DatenMeldgn_EEG-VergSaetze/DatenMeldgn_EEG-VergSaetze_node.html;jsessionid=5579EEAD06F7DC40B17FF710F2BE5806#doc405794bodyText4



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN

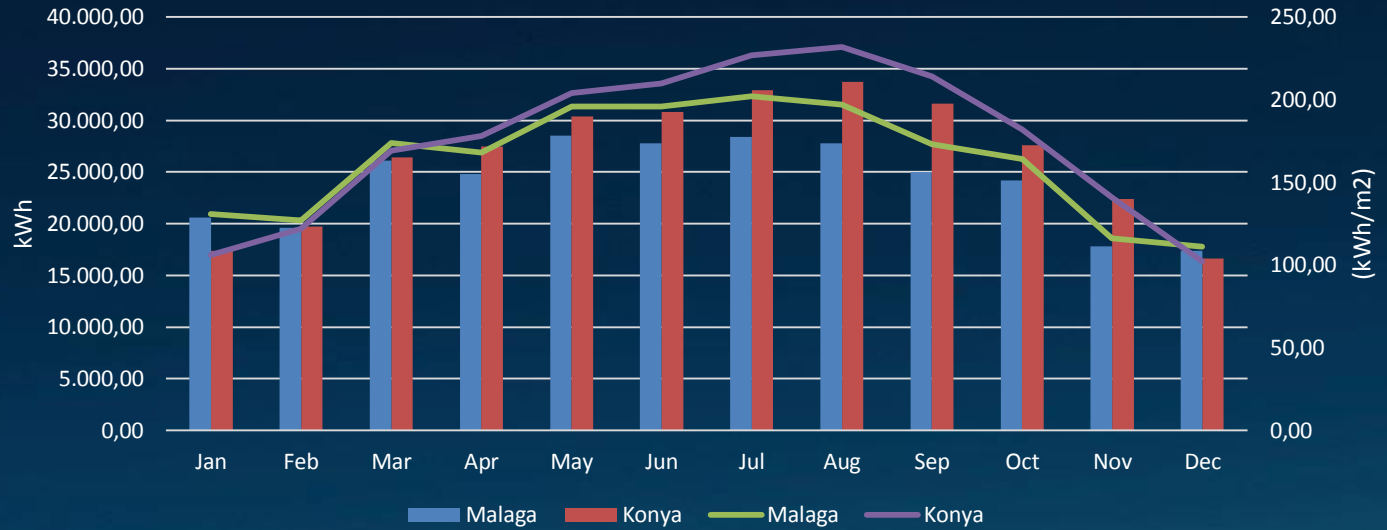


Mevlana
Kalkınma Ajansı
Development Agency

Energy Potential of Region

Malaga Case

Average Monthly Electricity Production



Konya is

%10,05

more efficiency than Malaga's average for Average Monthly Electricity Production
Konya is

%6,72

more efficiency than Malaga's average for Average Monthly Irradiation per square meter

Values are taken from PVGIS site.

<http://re.jrc.ec.europa.eu/pvgis/apps4/pvest.php>



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN

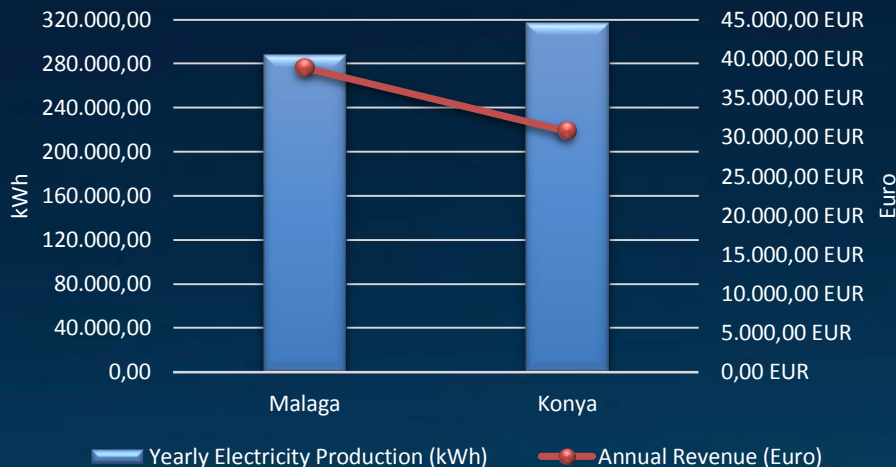


Mevlana
Kalkınma Ajansı
Development Agency

Energy Potential of Region

Malaga Case

Annual Electricity Production and Revenue



Konya is

%10,05

more efficiency than
Malaga's Yearly Electricity
Production

The Power Plant in
Konya is

%20,91

less efficiency than
Malaga's Annual Revenue

Malaga				
Month	Average daily electricity production E_d (kWh)	Average monthly electricity production E_m (kWh)	Average daily sum of global irradiation per square meter H_d (kWh/m ²)	Average sum of global irradiation per square meter H_m (kWh/m ²)
Yearly average	788,17	24.000,00	5,35	162,92
Total for year	288.000,00		1.955,00	
Annual Revenue	38.880,00 EUR		0,135 Euro / kWh	

Konya				
Month	Average daily electricity production E_d (kWh)	Average monthly electricity production E_m (kWh)	Average daily sum of global irradiation per square meter H_d (kWh/m ²)	Average sum of global irradiation per square meter H_m (kWh/m ²)
Yearly average	867,92	26.416,67	5,71	173,92
Total for year	317.000,00		2.087,00	
Annual Revenue	30.749,00 EUR		0,097 Euro / kWh	

Values are taken from PVGIS site. <http://re.jrc.ec.europa.eu/pvgis/apps4/pvest.php>

Tariffs taken from El Ministro de Industria, Turismo y Comercio

<http://www.boe.es/boe/dias/2010/11/23/pdfs/BOE-A-2010-17976.pdf>

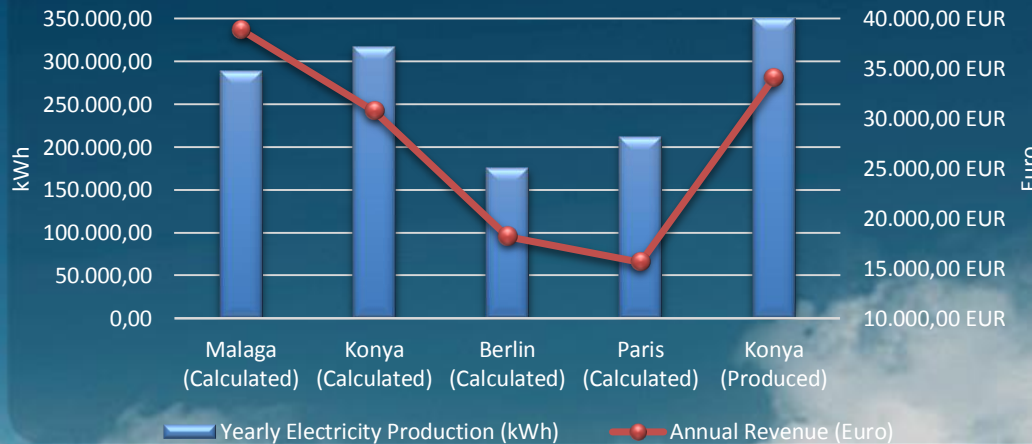
Energy Potential of Region

Month	PVGIS Average monthly electricity production E_m (kWh)	MEDAS Power Plant Electricity production E_m (kWh)	Efficiency of Generated to Calculated	Annual Revenue of MEDAS Power Plant
Jan	17.400,00	16.660,00	-4,25	1.616,02 EUR
Feb	19.700,00	20.800,00	5,58	2.017,60 EUR
Mar	26.400,00	27.450,00	3,98	2.662,65 EUR
Apr	27.500,00	30.790,00	11,96	2.986,63 EUR
May	30.400,00	36.570,00	20,30	3.547,29 EUR
Jun	30.800,00	37.900,00	23,05	3.676,30 EUR
Jul	32.900,00	40.630,00	23,50	3.941,11 EUR
Aug	33.700,00	40.190,00	19,26	3.898,43 EUR
Sep	31.600,00	34.850,00	10,28	3.380,45 EUR
Oct	27.600,00	31.740,00	15,00	3.078,78 EUR
Nov	22.400,00	20.150,00	-10,04	1.954,55 EUR
Dec	16.600,00	13.620,00	-17,95	1.321,14 EUR
Total	317.000,00	351.350,00	8,39	34.080,95 EUR

Konya, %8,39

Regarding average monthly energy production Konya's actual value is more efficient than calculated.

Annual Electricity Production and Revenue





Energy Potential of Region

Total Electricity Consumption (MWh)

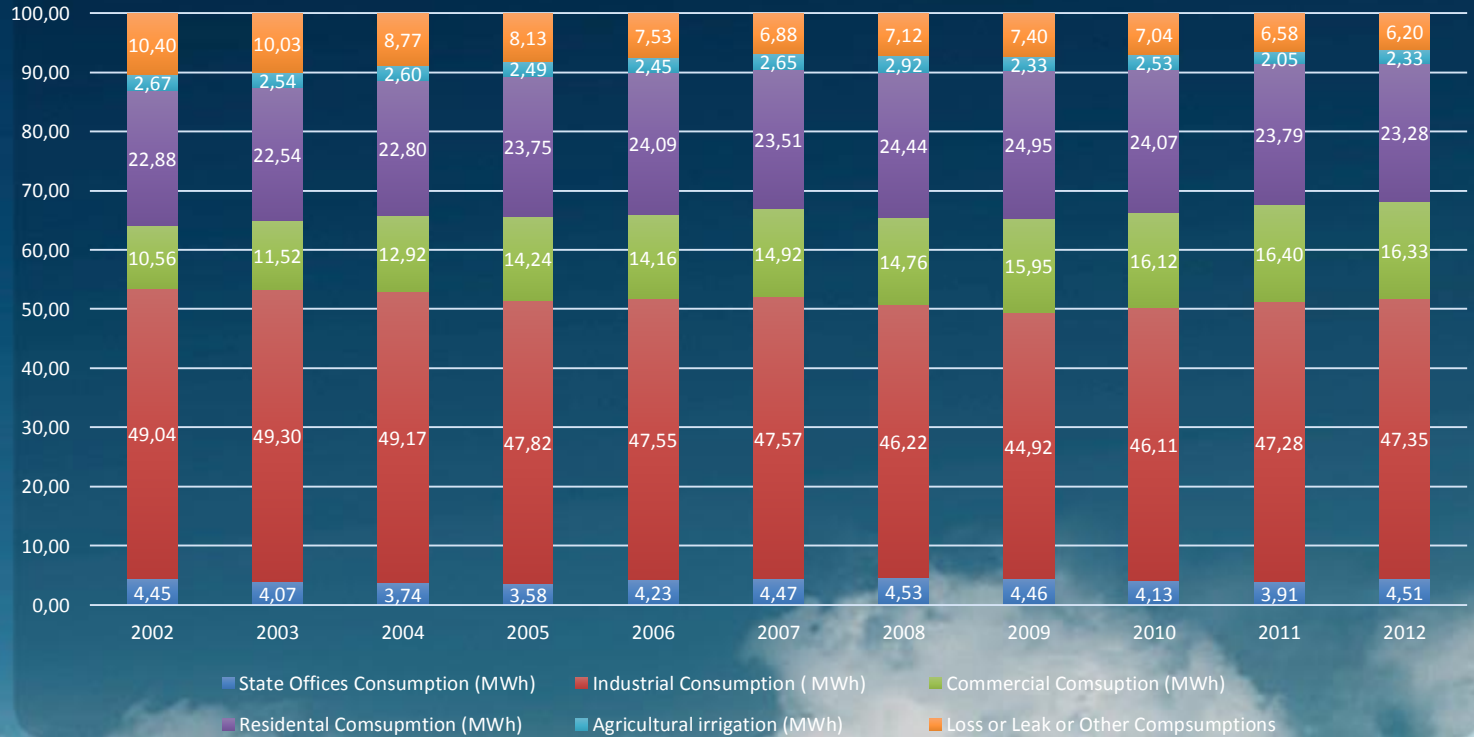


Turkey has

%6,65

Average Annual Electricity consumption growth

Electricity Consumption of Turkey





YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Mevlana
Kalkınma Ajansı
Development Agency

Energy Potential of Region

Total Electricity Consumption
(MWh)

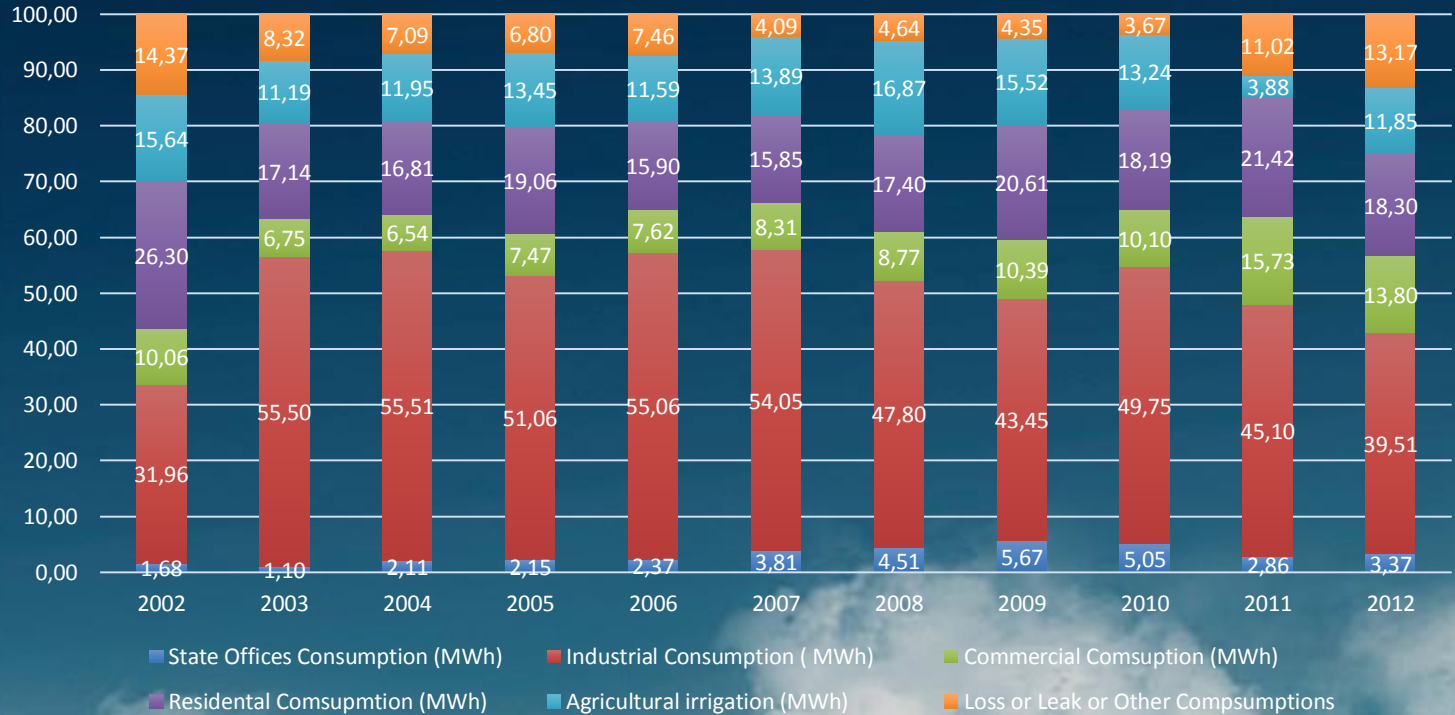


Konya has

%13,09

Average Annual
Electricity consumption
growth

Electricity Consumption of Konya





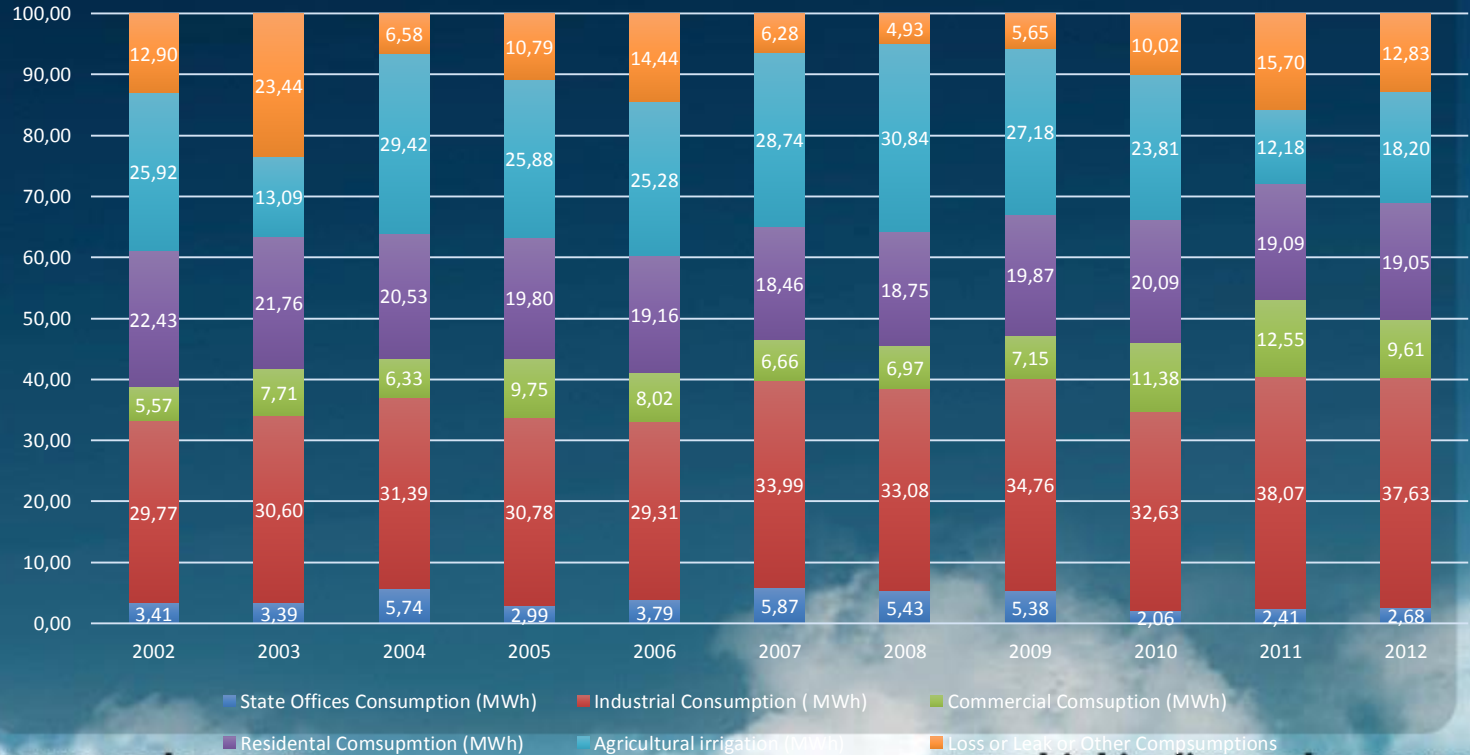
Energy Potential of Region

Total Electricity Consumption (MWh)



Karaman has
%9,40
Average Annual
Electricity consumption
growth

Electricity Consumption of Karaman



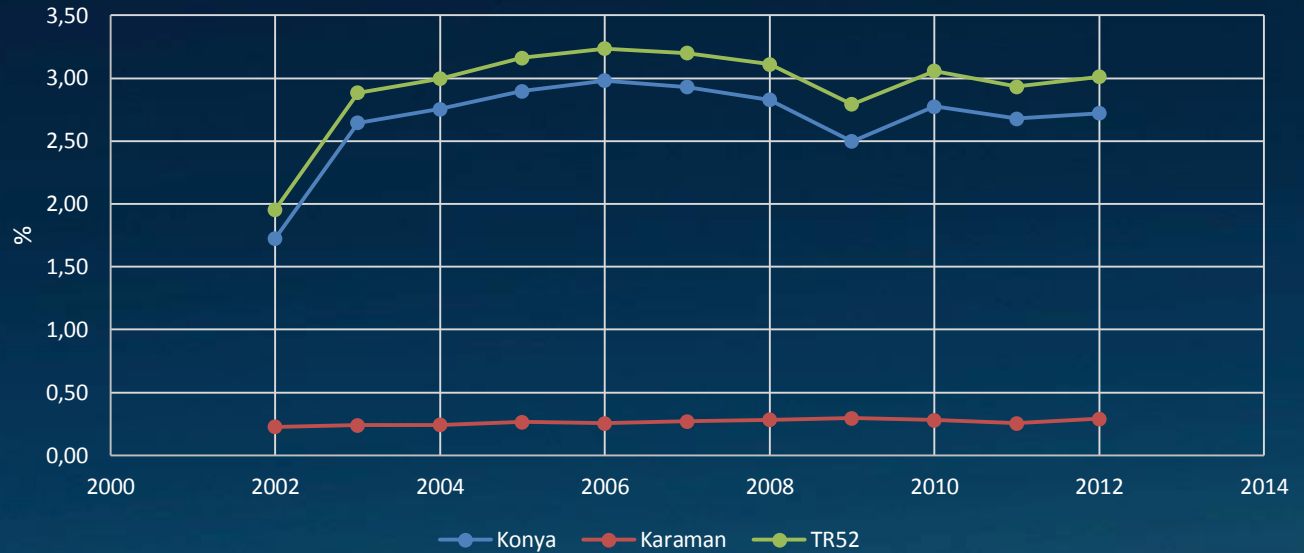
Energy Potential of Region



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Ratio of Electricity Consumption to Turkey



Konya has a **2,77%** annual average in Turkey's electricity consumption

Karaman has a **0,27%** annual average in Turkey's electricity consumption



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Mevlana
Kalkınma Ajansı
Development Agency

Energy Investments in Region

Total Applications for Licensed Solar Energy



For the number of **Licensed Applications**
Konya-Karaman is **% 39,92**

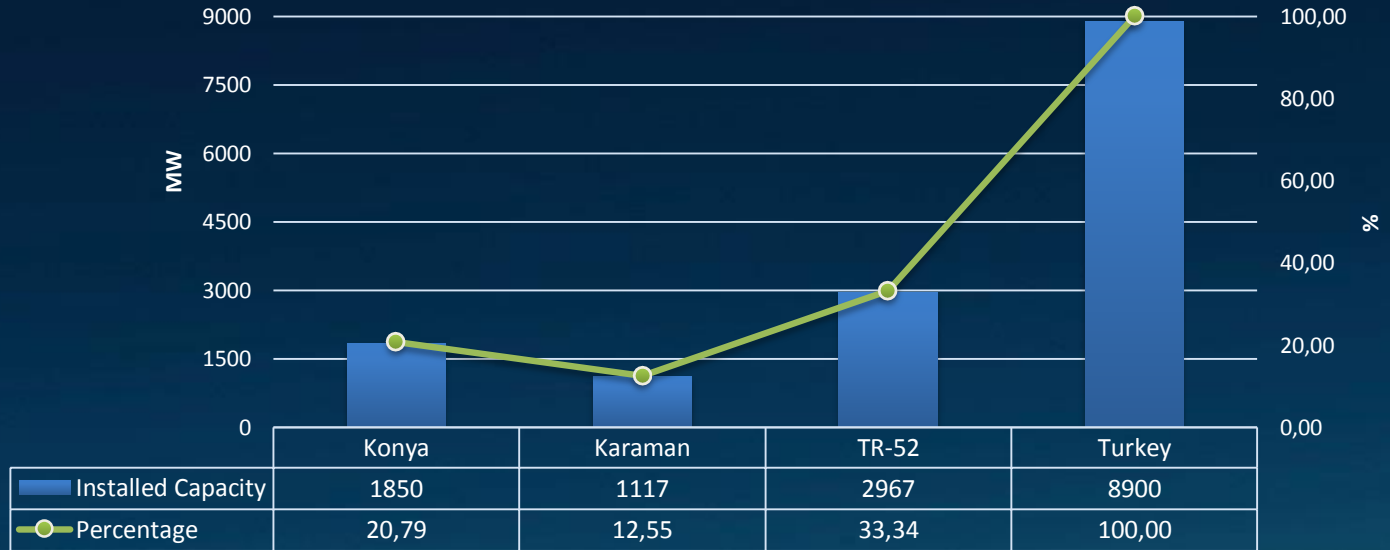


YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Energy Investments in Region

Total Applications for Licensed Solar Energy



For the installed capacity of **Licensed Applications**
Konya-Karaman is **% 33,34;**

For the **Allowed Licensed Capacity** Konya-Karaman is
% 21,66; (130 MW / 600 MW)



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN

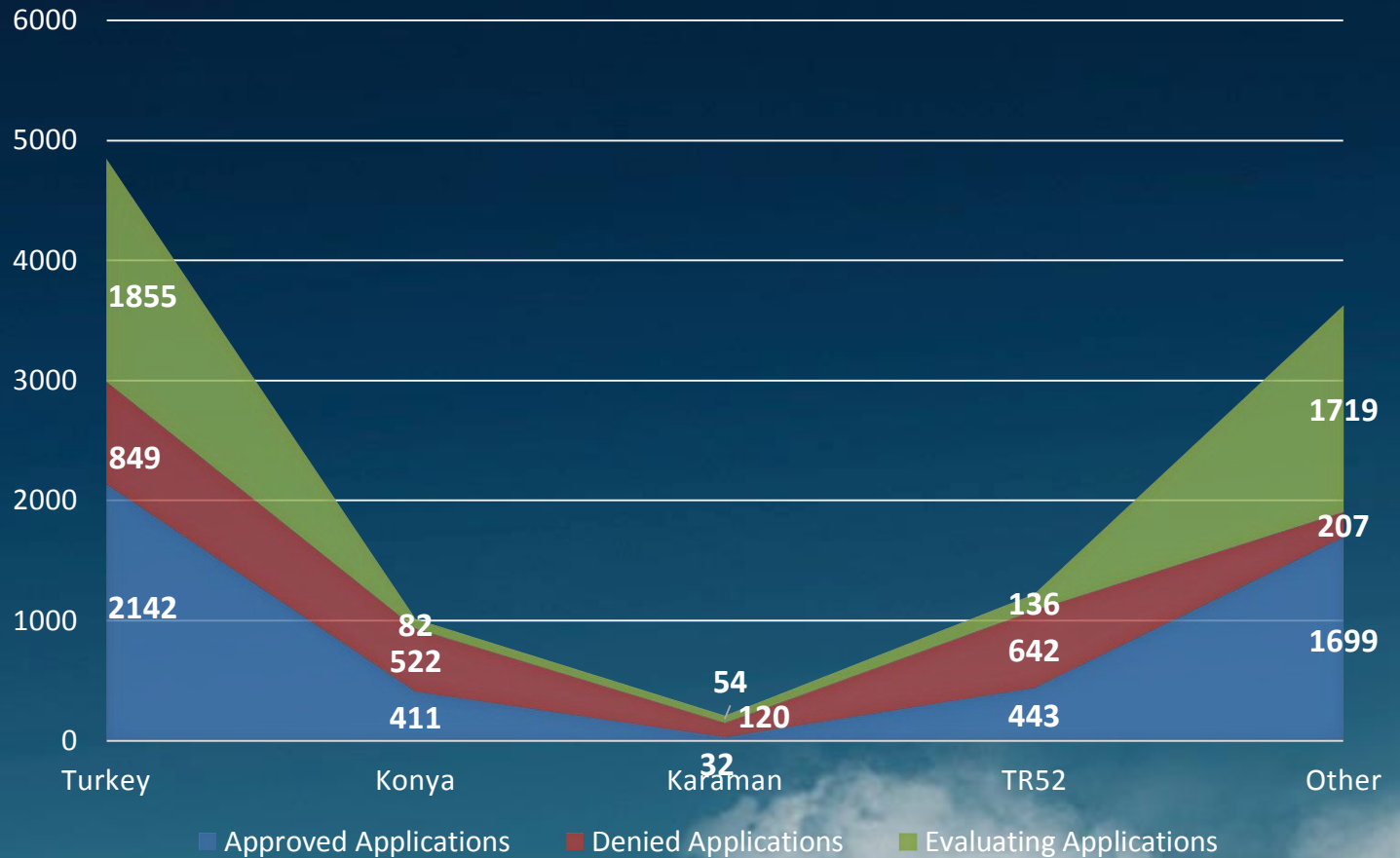


Mevlana
Kalkınma Ajansı
Development Agency

Energy Investments in Region

Unlicensed Applications

UNLICENSED APPLICATIONS BY STATUS





YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN

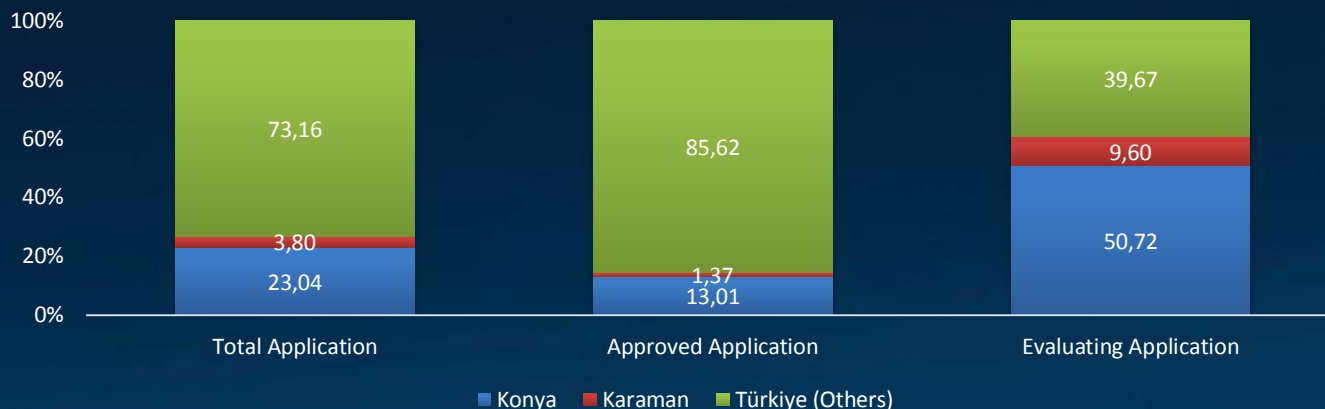


Mevlana
Kalkınma Ajansı
Development Agency

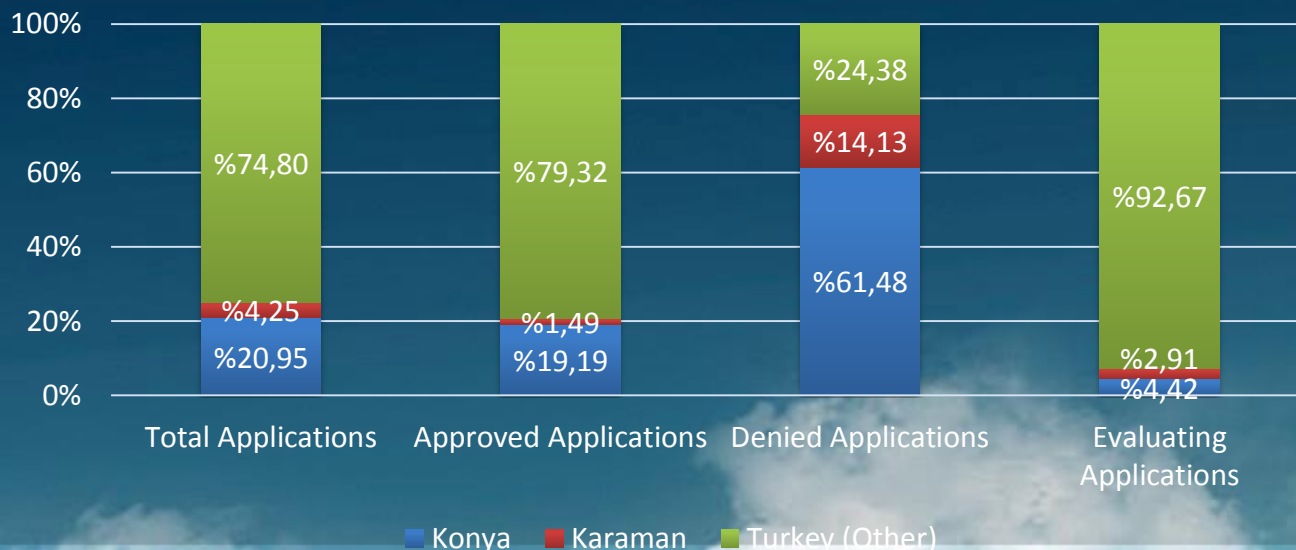
Energy Investments in Region

Unlicensed Applications

Applications of Unlicensed Energy, April 2014



Applications of Unlicensed Energy, November 2014





YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN

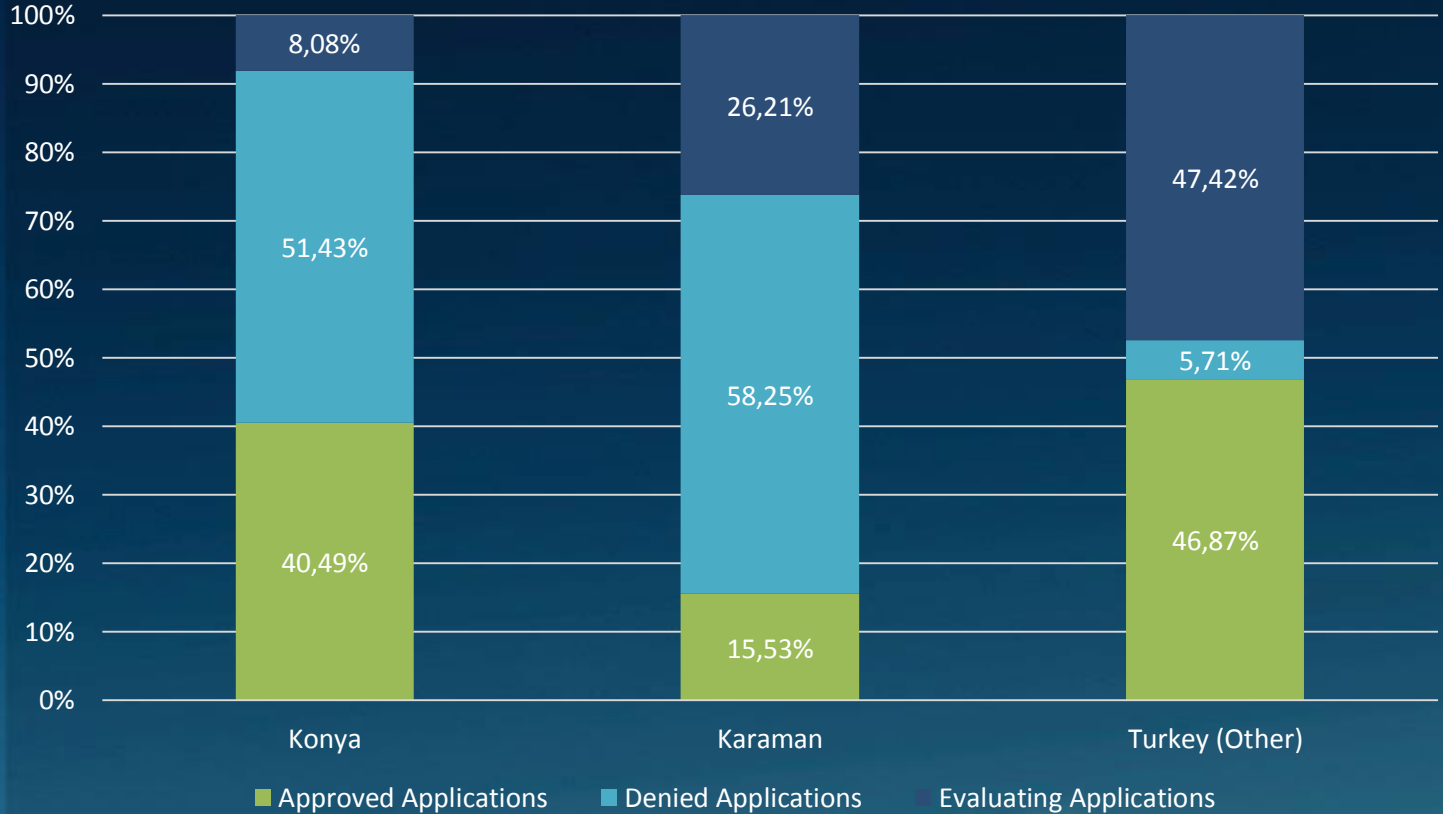


Mevlana
Kalkınma Ajansı
Development Agency

Energy Investments in Region

Unlicensed Applications

Unlicensed Applications by Regions





YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



www.investinkaraman.gov.tr

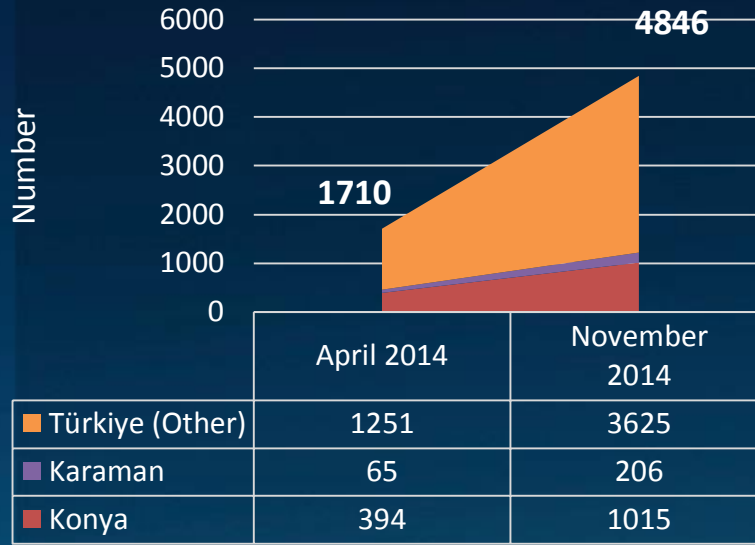


Mevlana
Kalkınma Ajansı
Development Agency

Energy Investments in Region

Unlicensed Applications

Unlicensed Applications

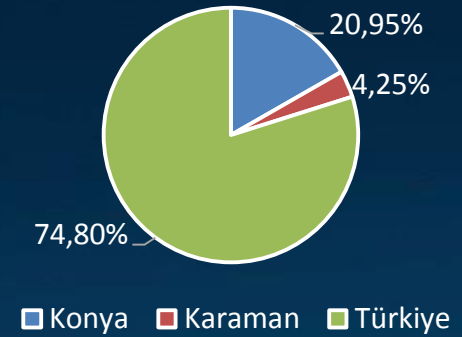


■ Konya ■ Karaman ■ Türkiye (Other)

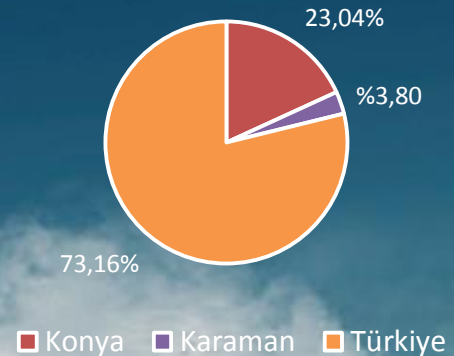
Percentage of Improvement



Unlicensed Applications, November 2014



Unlicensed Applications, April 2014

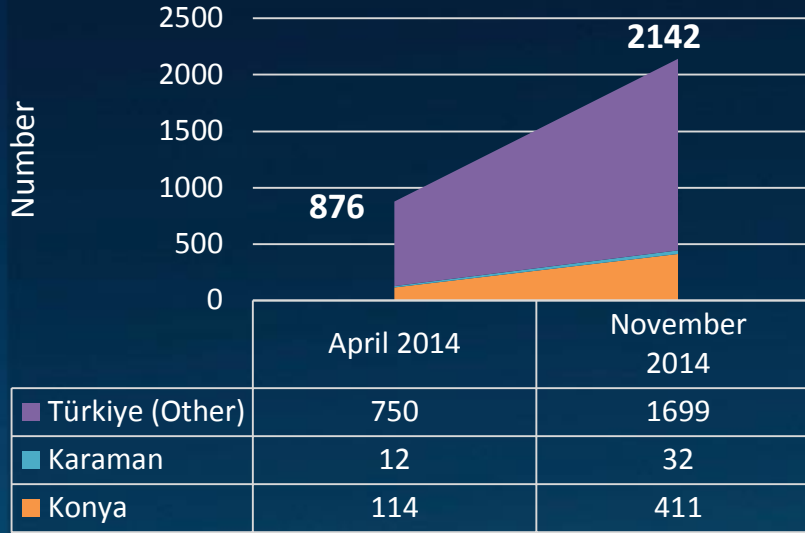




Energy Investments in Region

Unlicensed Applications

Approved Applications

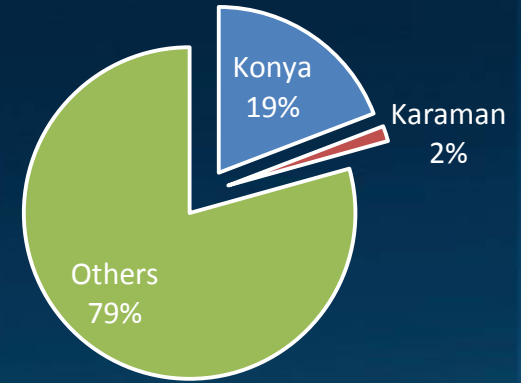


■ Konya ■ Karaman ■ Türkiye (Other)

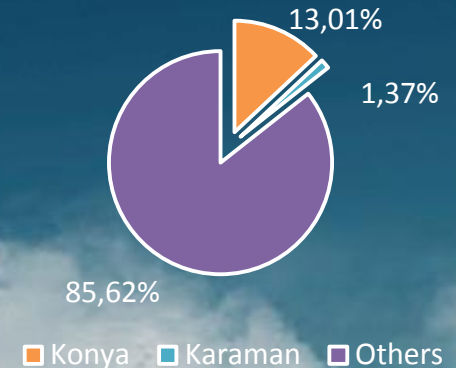
Percentage of Improvement



November 2014



April 2014





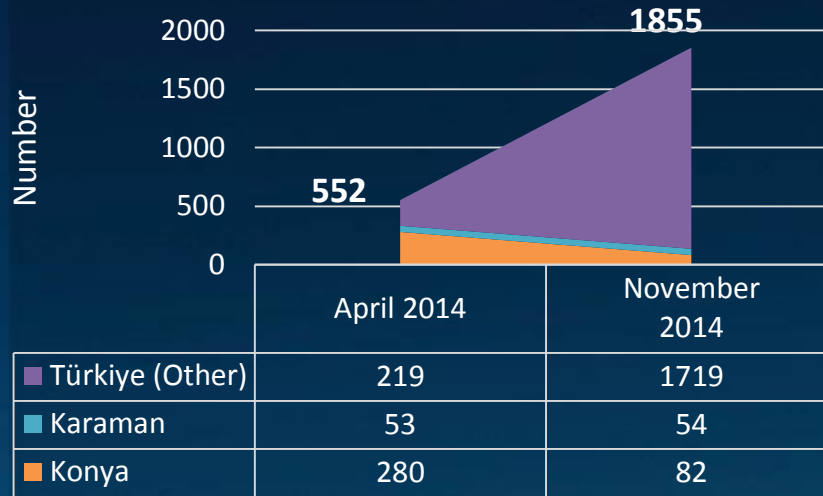
YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Energy Investments in Region

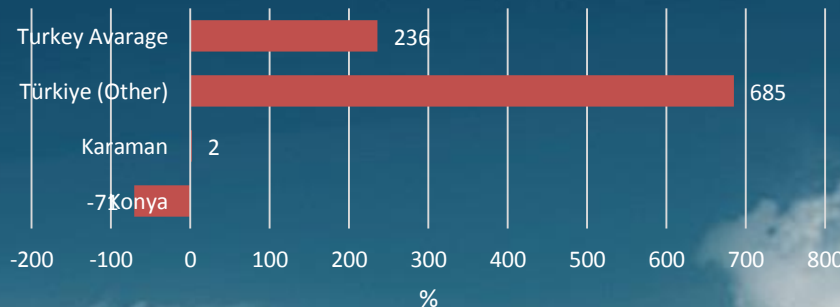
Unlicensed Applications

Evaluating Applications

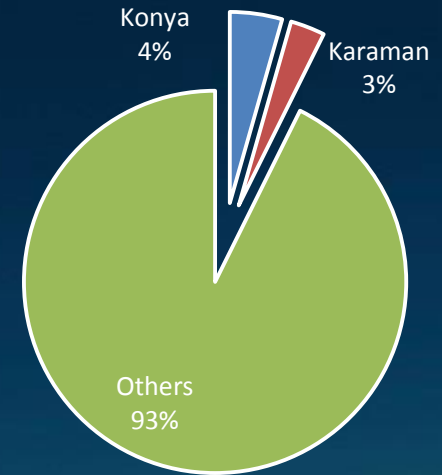


■ Konya ■ Karaman ■ Türkiye (Other)

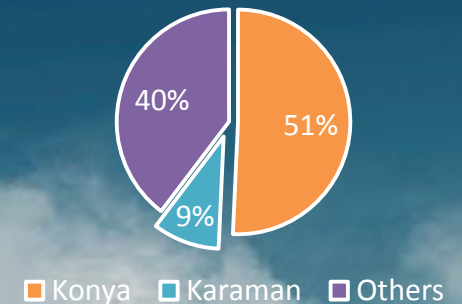
Percentage of Improvement



November 2014



April 2014





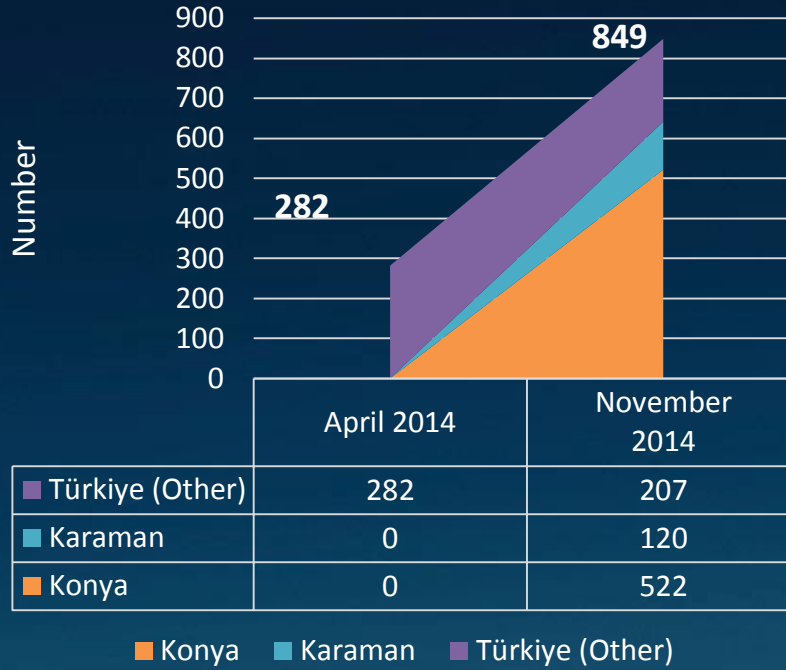
YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



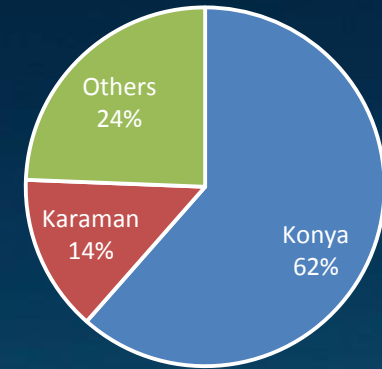
Energy Investments in Region

Unlicensed Applications

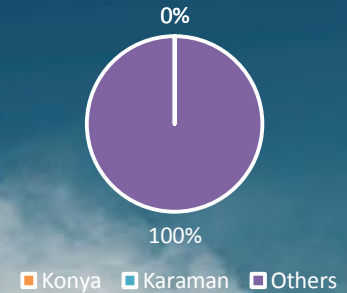
Denied Applications



November 2014



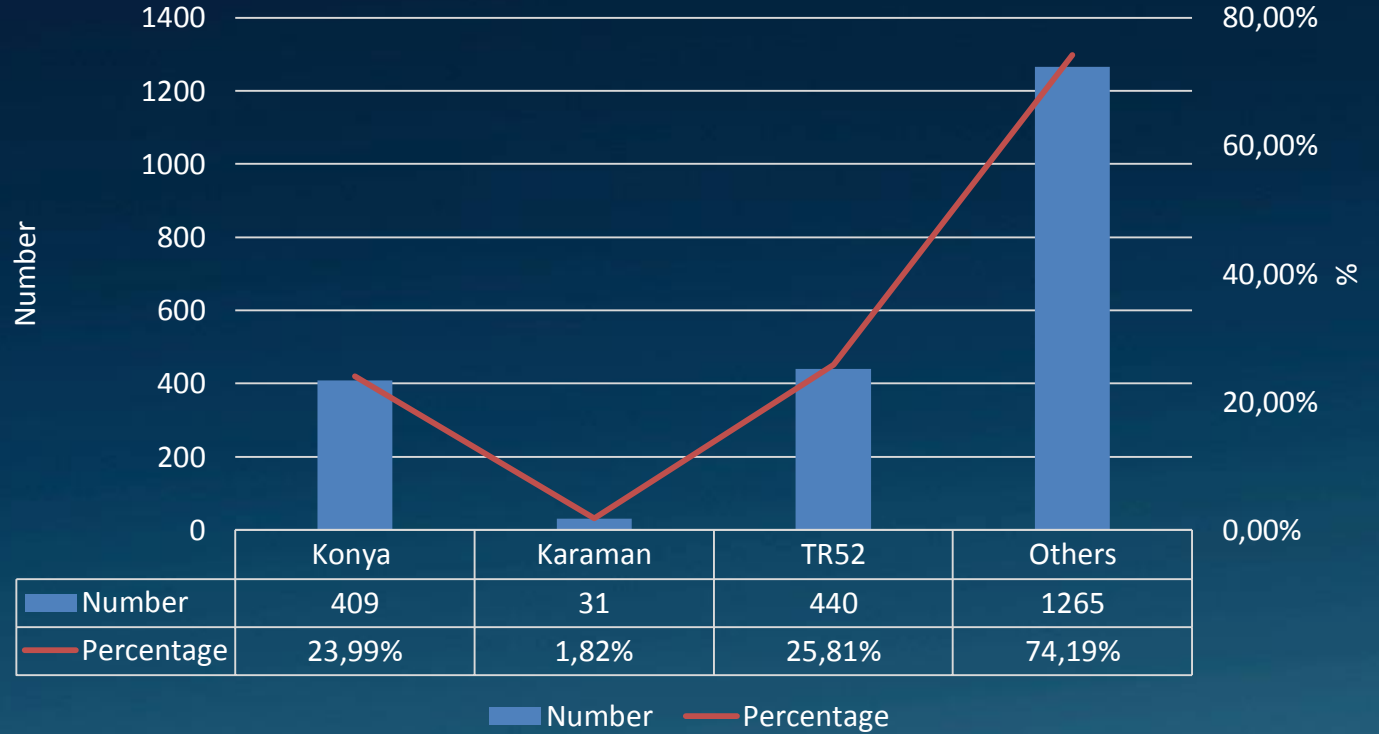
April 2014





Energy Investments in Region

Approved Applications for Unlicensed
Solar Energy



For the number of **Unlicensed Applications**
Konya-Karaman is **% 25,81**

Energy Investments in Region



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN

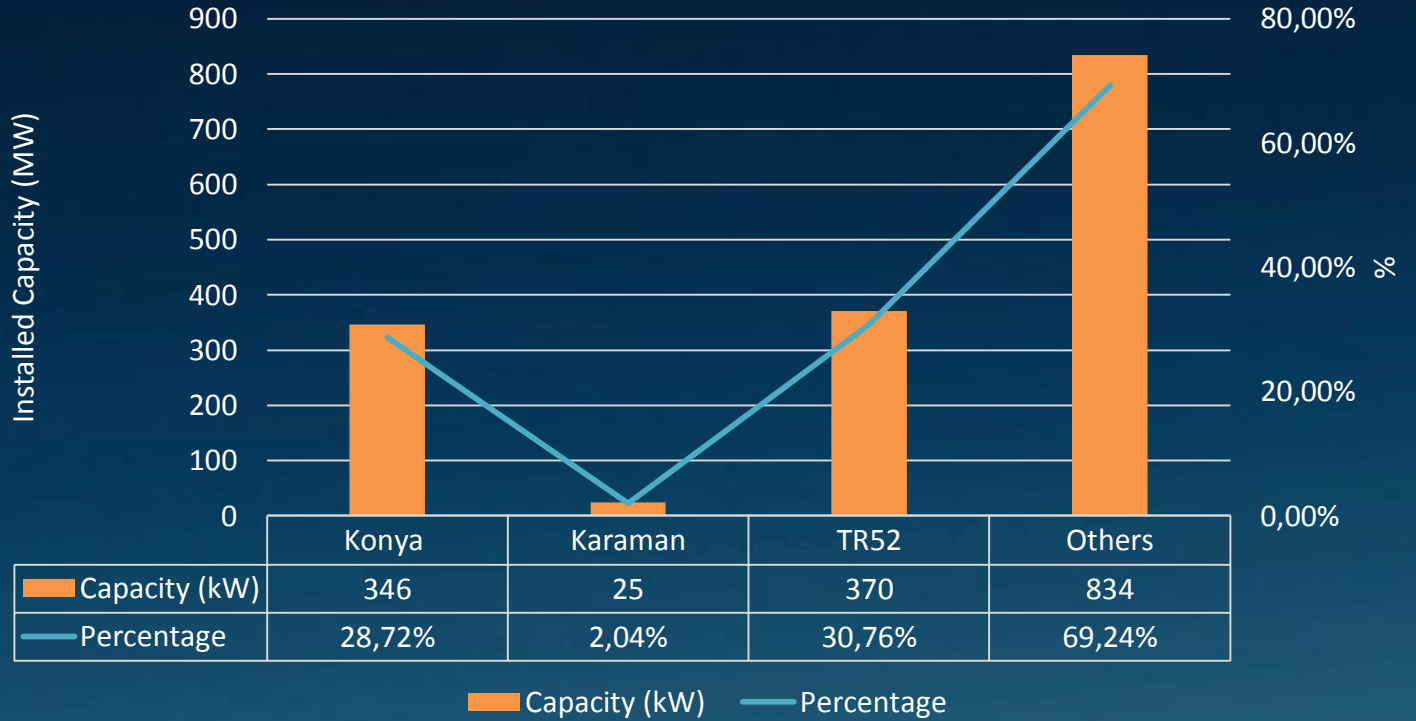


INVEST IN
KARAMAN'DA
YATIRIM
www.investinkaraman.gov.tr



Mevlana
Kalkınma Ajansı
Development Agency

Approved Applications for Unlicensed Solar Energy



For the installed capacity of
Approved Unlicensed Applications
Konya-Karaman is **% 30,76**

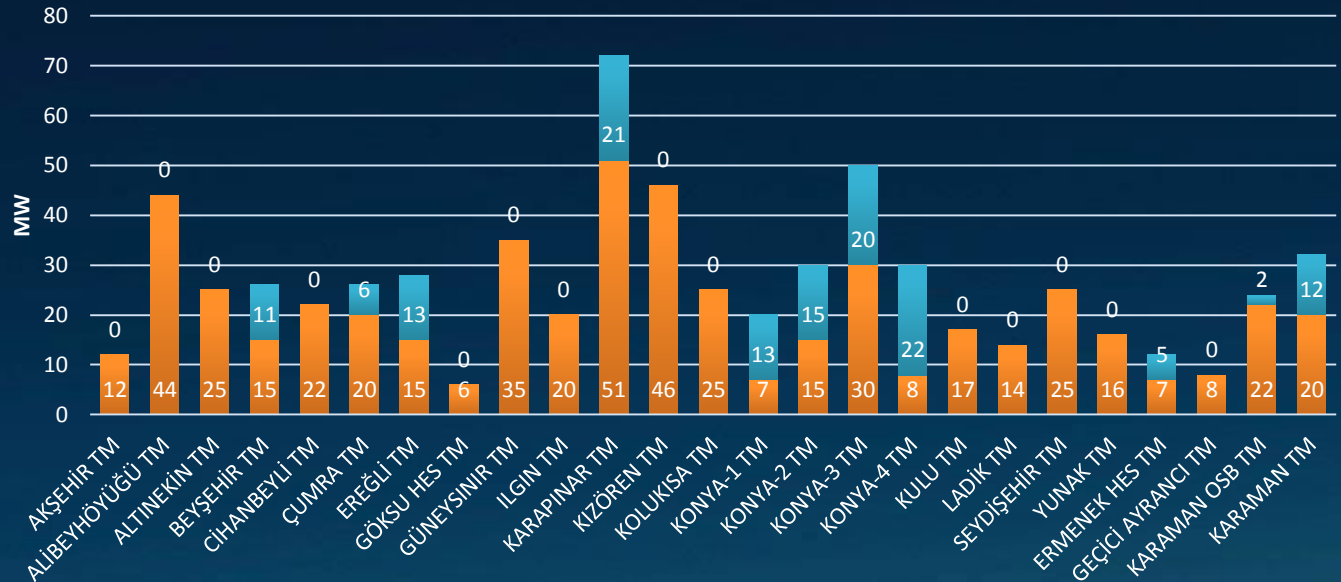


YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN

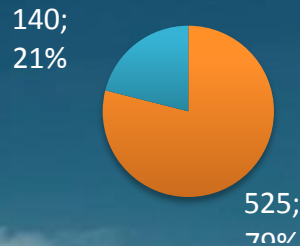


Energy Investments in Region

Konya-Karaman Unlicensed Application Capacity (MW)



Konya-Karaman Unlicensed PS Capacities



Konya Capacity 8 TM - 121 MW
Karaman Capacity 4 TM - 19 MW

TEİAŞ, 30.01.2015



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Energy Investments in Region

KONYA-1 License Bid, TEİAŞ, 30.01.2015



ALİBEY GES

- SBD ENERJİ ÜRETİM VE TİC. LTD. ŞTİ.
- Yönlendirilen TM: ALİBEYHÖYÜĞÜ TM
- 5 MW – 2.510.000 TL/MW



ME-SE GES

- ME-SE ENERJİ YATIRIM İNŞ. TUR. TİC. LTD. ŞTİ. (AKFEN)
- Yönlendirilen TM: LADİK TM
- 9.9 MW – 2.153.000 TL/MW



ALİBEYHÖYÜĞÜ GES

- ZORLU ENERJİ ELEKTRİK ÜRETİM A.Ş.
- Yönlendirilen TM: ALİBEYHÖYÜĞÜ TM
- 18 MW – 1.756.055 TL/MW



APA GES

- LE GÜNEŞ ELEKTRİK ÜRETİM A.Ş. (LİMAK)
- Yönlendirilen TM: ALİBEYHÖYÜĞÜ TM
- 13.1 MW – 1.602.000 TL/MW



YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Mevlana
Kalkınma Ajansı
Development Agency

Energy Investments in Region

KONYA-1 License Bid, TEİAŞ, 30.01.2015



İŞIKLAR GES

- HASEN ENERJİ ÜRETİM VE TİC. LTD. ŞTİ.
- Yönlendirilen TM: EREĞLİ TM
- 6 MW – 2.510.000 TL/MW



YAYSUN GES

- YAYSUN ELEKTRİK İNŞAAT ENERJİ TURİZM TARIM HAYV.SAN.TİC.LTD.ŞTİ.(EREĞLİ)
- Yönlendirilen TM: EREĞLİ TM
- 9.98 MW – 2.053.000 TL/MW



MT GES

- MT DOĞAL ENERJİ ÜRETİM A.Ş.
- Yönlendirilen TM: EREĞLİ TM
- 9.98 MW – 2.053.000 TL/MW



AFTA GES

- AFTA ENERJİ ÜRETİM SAN. VE TİC. A.Ş. (KONYA)
- Yönlendirilen TM: KARAPINAR TM
- 9,8 MW – 2.026.127 TL/MW



GİTAŞ-1 GES

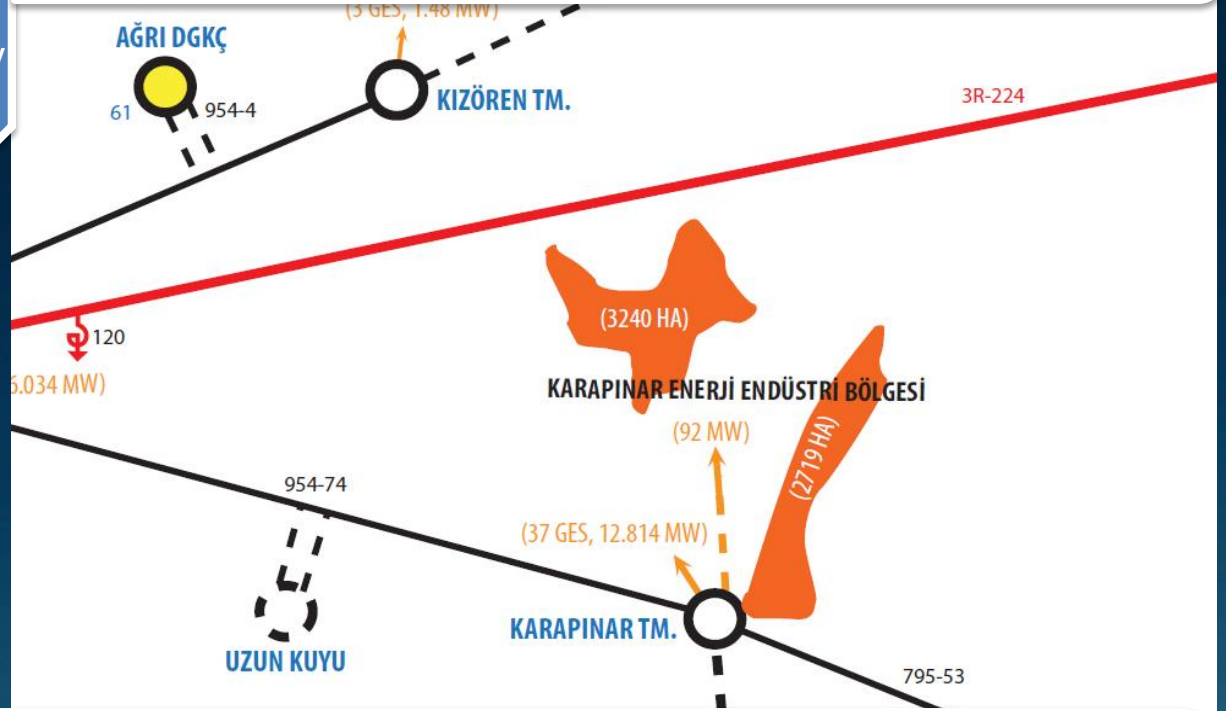
- AAB ENERJİ ÜRETİM TAR. ÜR. GI. İNŞ. SAN. TİC. LTD.ŞTİ. (KONYA)
- Yönlendirilen TM: KARAPINAR TM
- 8 MW – 1.914.000 TL/MW

Energy Investments in Region



Karapınar Energy
Industry Zone

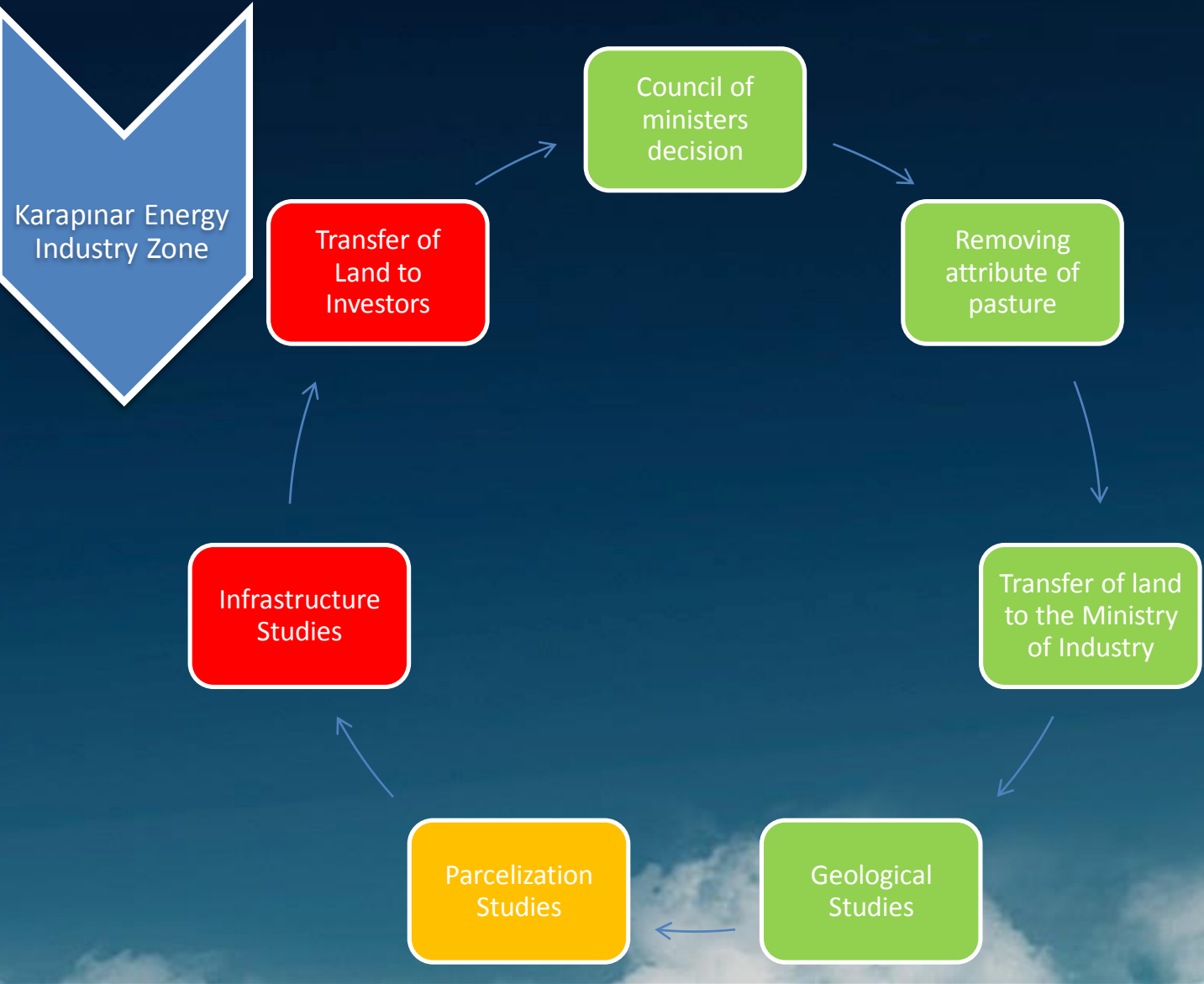
- Total Area 59.710.000 m² (5971 ha)
- 3.500 MW Installed Power Capacity (1 MW = 1,7 ha)
- 200 MW Energy Infrastructure (Karapınar TM)



- There are **55** firms which have constructed measurement station for **60** licensed solar power plant application.
- **45** company / person has applied for unlicensed solar power plants.
- Totally **90** firm has applied for **880** MW licensed or unlicensed solar power capacity at KARAPINAR Energy Industry Zone



Energy Investments in Region





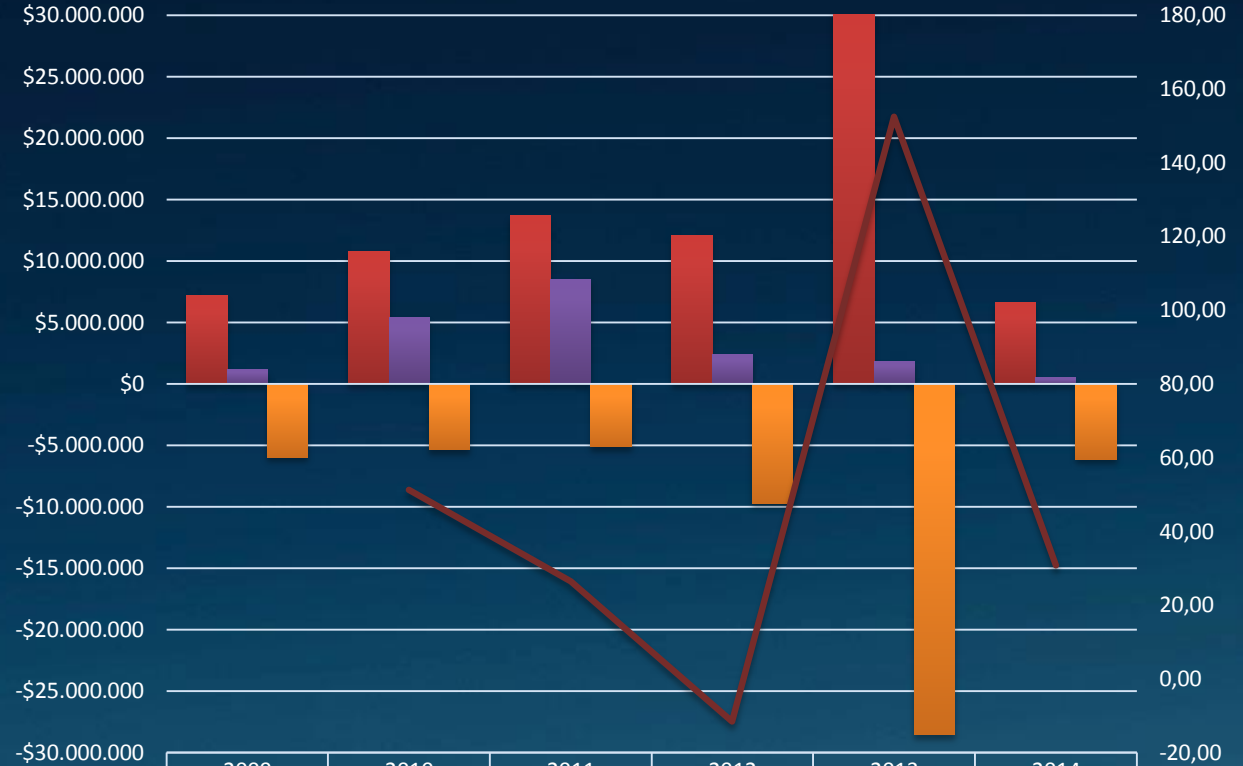
YATIRIM
YAPMAK İÇİN
5 NEDEN
5 REASON
TO INVEST
IN KONYA - KARAMAN



Mevlana
Kalkınma Ajansı
Development Agency

Solar Industry

PV Panel and Components Trade of Turkey



	2009	2010	2011	2012	2013	2014
Import Value (\$)	7.136.612	10.794.090	13.633.989	12.051.407	30.428.232	6.632.588
Export Value (\$)	1.160.439	5.444.858	8.477.984	2.334.409	1.842.029	471.513
Trade Balance (\$)	-5.976.173	-5.349.232	-5.156.005	-9.716.998	-28.586.203	-6.161.075
Import Annual Growth (%)		51,25	26,31	-11,61	152,49	30,78

Total Import **80.676.918 \$**

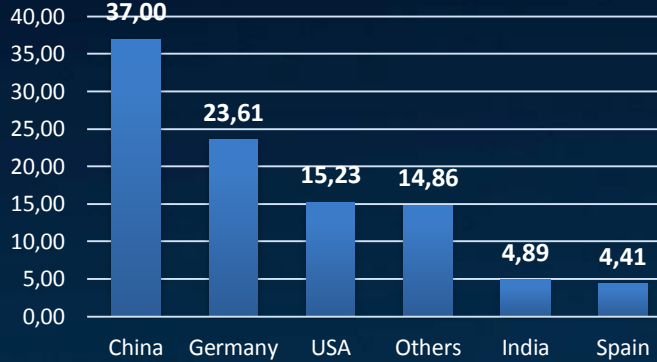
Total Export **19.731.232 \$**

Import Average Growth **%49,84**

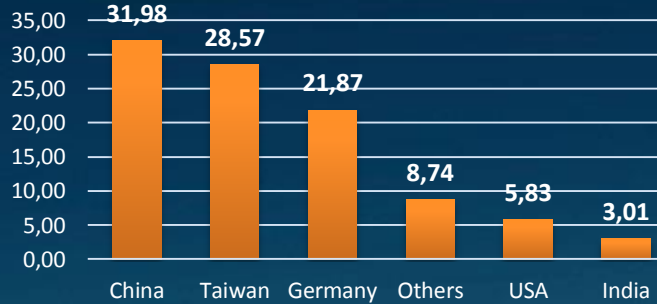
Export Average Growth **%76,99**



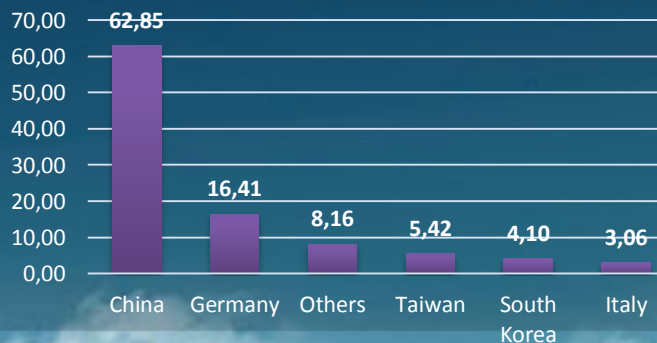
Top 5 Exporter Countries to Turkey, 2009



Top 5 Exporter Countries to Turkey, 2011

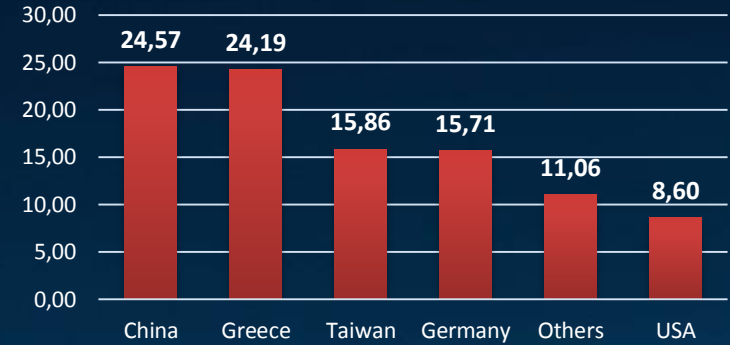


Top 5 Exporter Countries to Turkey, 2013

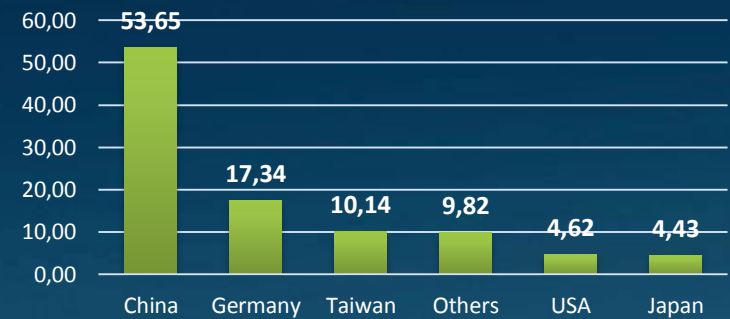


Solar Industry

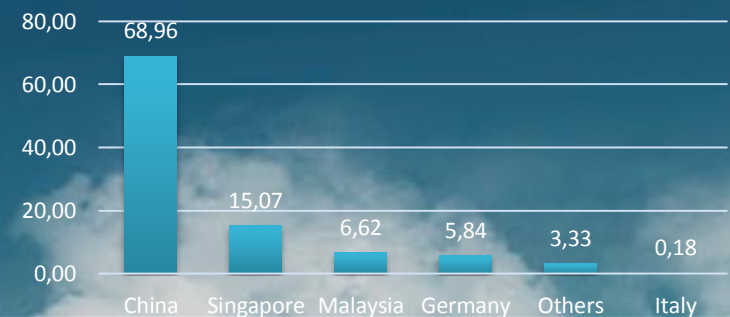
Top 5 Exporter Countries to Turkey, 2010



Top 5 Exporter Countries to Turkey, 2012



Top 5 Exporter Countries to Turkey, 2014





Solar Industry

Years	Number of Panel	Capacity (KW)	Price for 250 W (\$)	Price per Watt (\$)	Price per Watt (Euro)
2009	10.746	2.687	664	2,66	1,92
2010	10.942	2.736	986	3,95	2,85
2011	23.523	5.881	580	2,32	1,68
2012	54.744	13.686	220	0,88	0,64
2013	139.729	34.932	218	0,87	0,63
2014	27.953	6.988	237	0,95	0,69
TOTAL	267.637	66.909	301	1,21	0,87

For China Price per Watt **0,62** Euro

For Germany Price per Watt **0,84** Euro



Contact

Specialist of Energy

Mücahit Yasir KINALI

Electric-Electronic Engineer

mucahit.kinali@mevka.org.tr

90 554 551 62 76

Konya Investment Support Office

konyaydo@mevka.org.tr

Tel : 90332 236 32 90

Medrese Mahallesi Ulaşbaba Caddesi
No:28 Selçuklu/KONYA Türkiye 42060

Karaman Investment Support Office

karamanydo@mevka.org.tr

Tel : 90338 213 00 20

İmaret Mahallesi Atatürk Bulvarı No:2
Merkez/KARAMAN Türkiye 70100