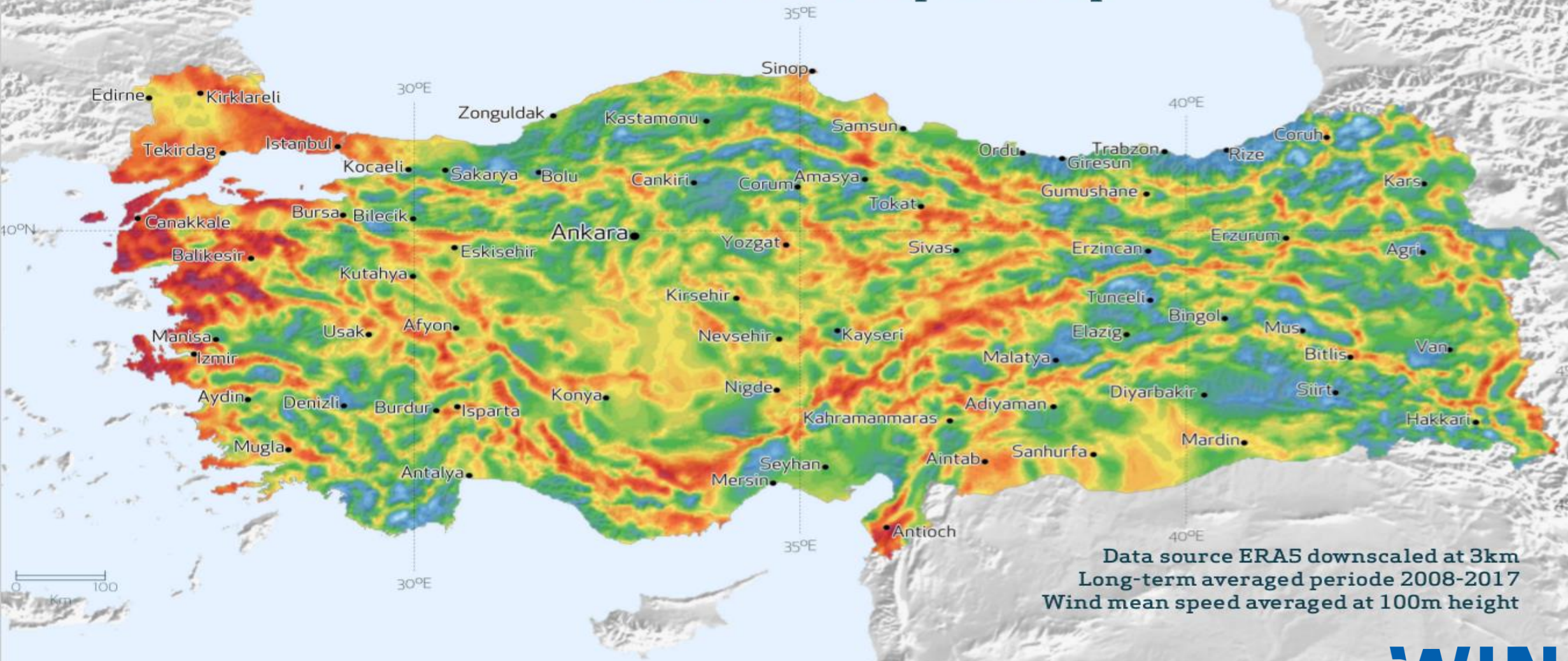
Explanation of GraVVindy and Wind Energy in Turkey

Mert Sugür Atilla Öztürk

TURKEY
Wind Mean Speed Map

VORTEX



Data source ERA5 downscaled at 3km
Long-term averaged periode 2008-2017
Wind mean speed averaged at 100m height

Wind Mean Speed @ 100m - [m/s]

<1	1.5	2.1	2.6	3.1	3.7	4.2	4.7	5.3	5.8	6.3	6.9	7.4	7.9	8.5	>9

WIND AGRO TECH

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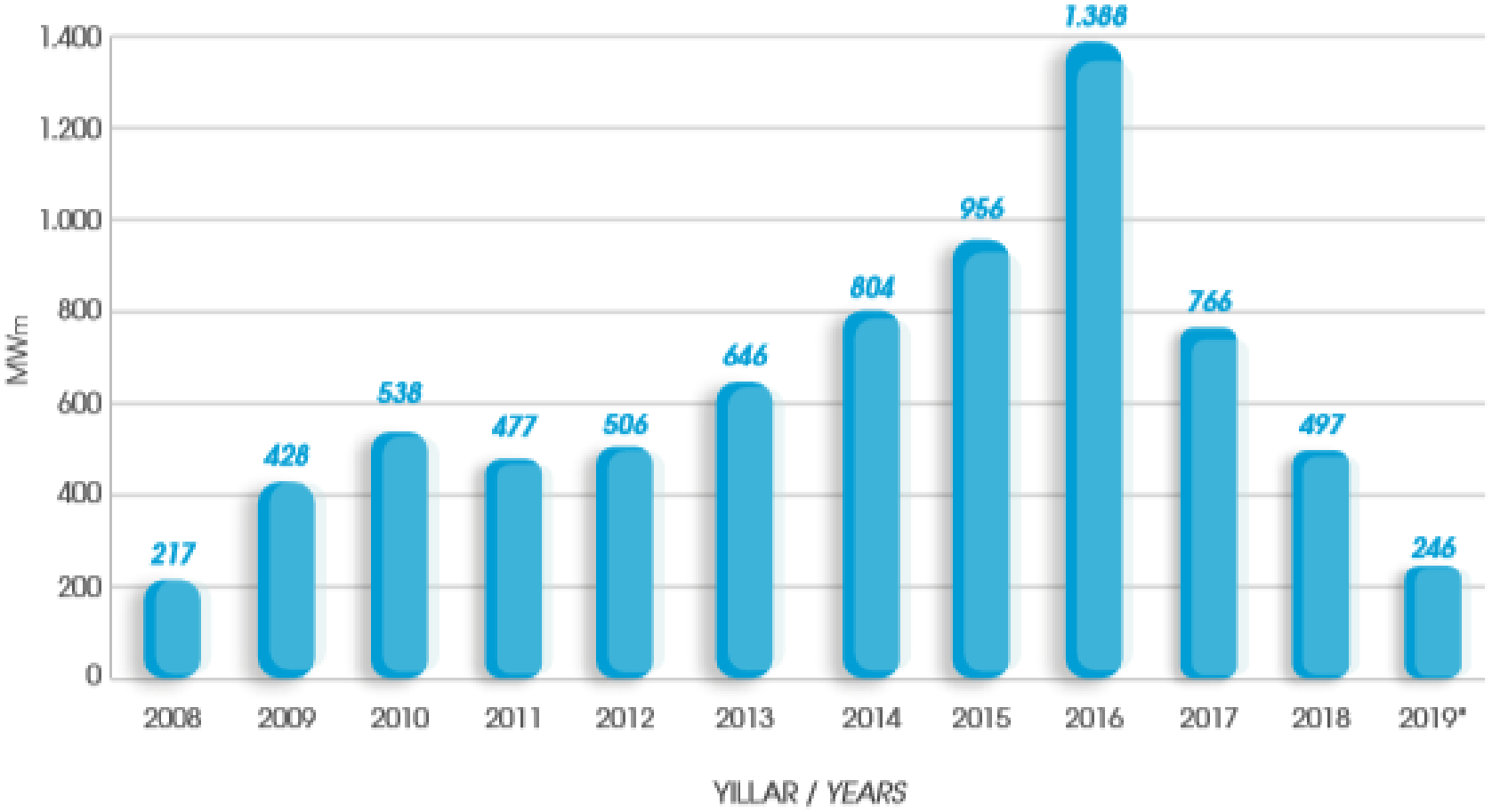
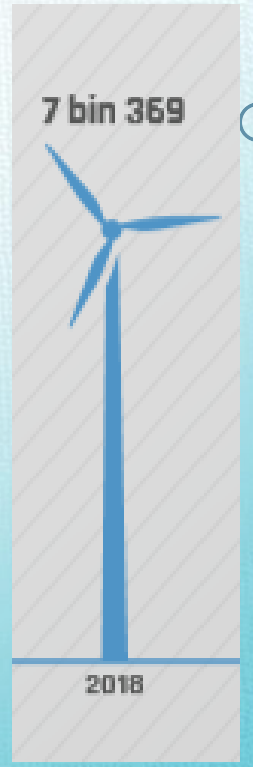
1.2 Türkiye'deki Rüzgar Enerjisi Santralleri için Yıllık Kurulum

Annual Installations for Wind Power Plants in Turkey



*Temmuz 2019 itibarıyle (As of the month July 2019)



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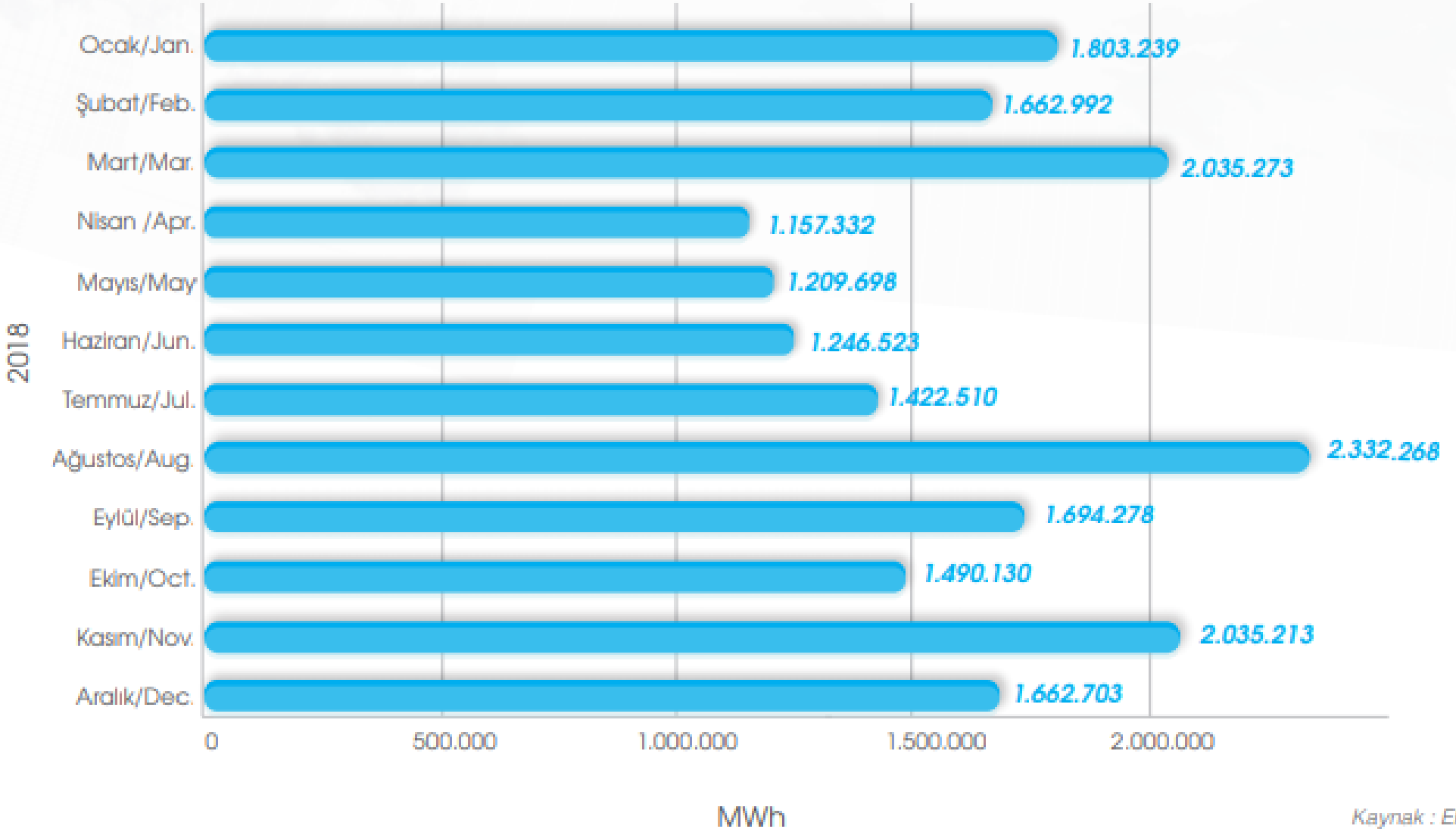
1.3 Türkiye'de Rüzgar Enerjisi Santrallerinin Aylık Elektrik Üretimi

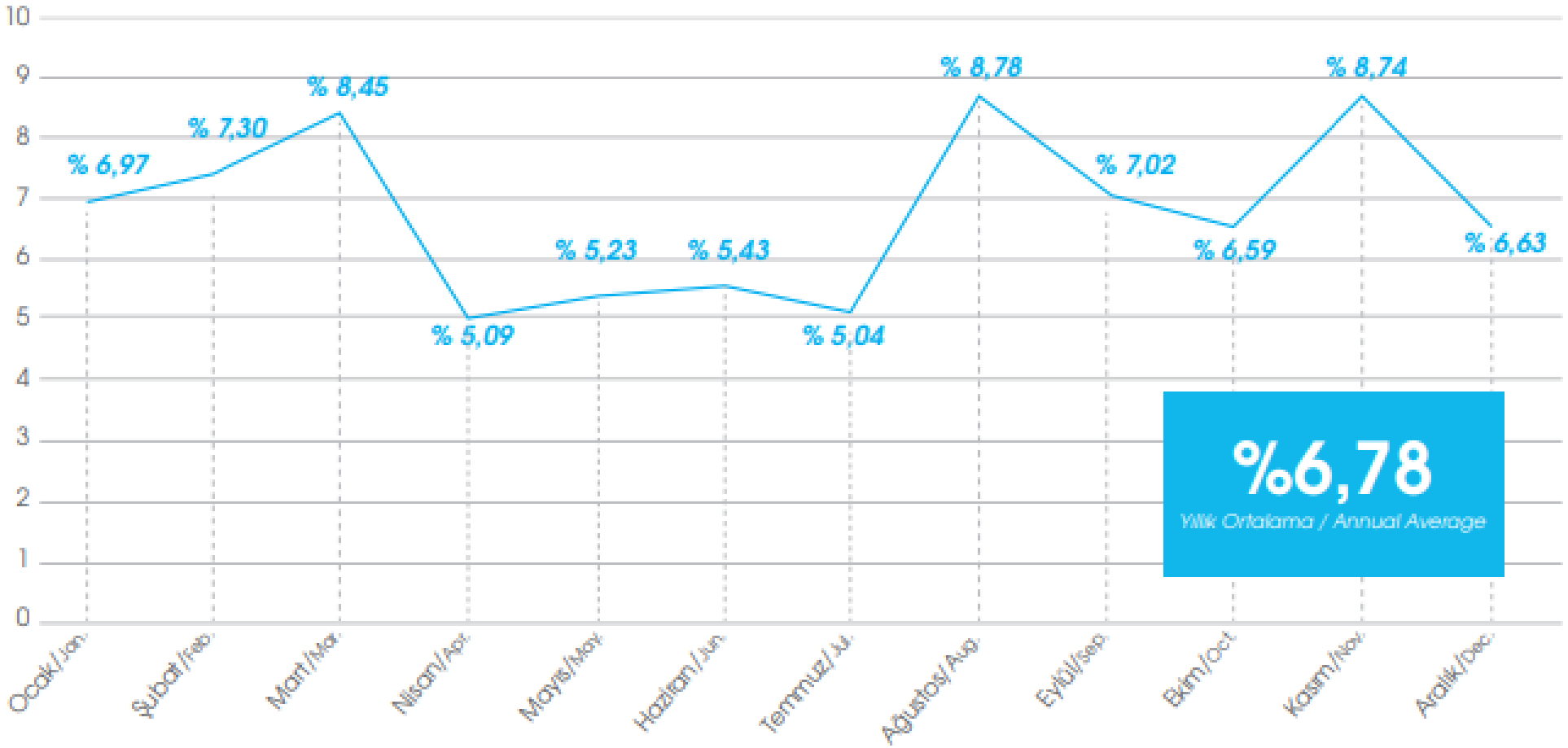
Electricity Generation of WPP's in Turkey



Kaynak : EPİAŞ

1.4 Türkiye'de Rüzgar Enerjisi Santrallerinin Elektrik Üretimindeki Payı

The share of WPP's in Electricity Generation in Turkey



Kaynak : EPİAŞ

GraVWindy

Innovation to shape

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Electricity needs for agricultural activities

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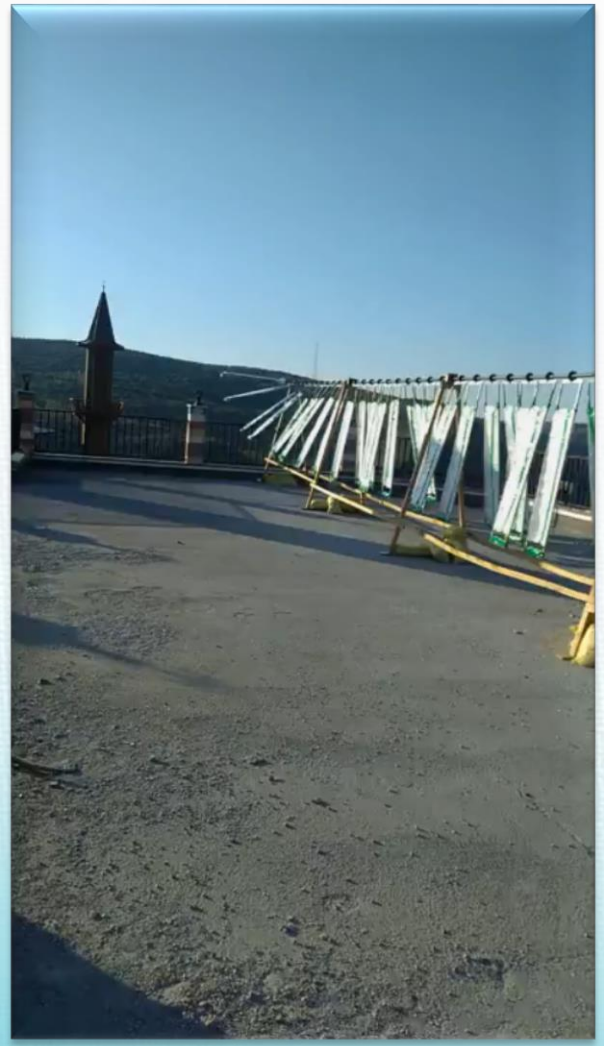

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AGRO TECH

ADVANTAGES

- Can operate with 2-3 m/s wind speed.
- Much more enviroment friendly then turbines.
- Not dependent to wind direction.
- Simple installation and less maintaince needed.
- Scalebilty

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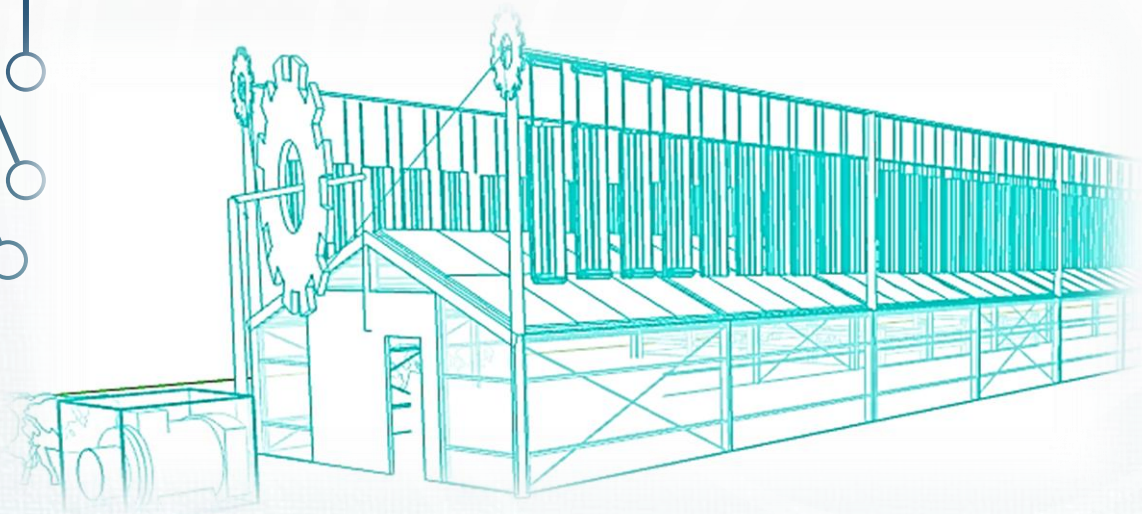

Thank You for Listening...

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