



POPULATION

RATE OF INCREASE IN TEN YEARS

- 81 million 2017
- 3,9 million refugees (3,5 million Syrians)

ECONOMY

INCREASE OF GDP COMPARED TO 2005

- 850 billion \$ 2017, 8th among OECD
- 9.385 \$/capita

GHG

27%

RATE OF INCREASE IN TEN YEARS

- 496 Mton 2016
- 6,3 TCO2 e/capita

GOVERNANCE

Area (km2)

1397 Municipality

Founding Member

C*

C*











- Limit values almost aligned to EU standards
- ➤ Local Clean Air Action Plans (64 cities out of 81)
- Cycling is encouraged
- Low Emission Zones are on the way

- Online monitoring of air quality via 339 stations
- 7 Regional Clean Air Centers
- Reporting of National AirEmission Inventory since2011

DISSEMINATION OF CYCLING





AIR QUALITY MONITORING

- National Air Quality Monitoring Network in 81 provinces
- Measurement results are online at www.havaizleme.gov.tr
- 339 active station
- All of these stations are equipped to measure SO2 and PM10, some of them can measure CO, NOx, O₃, PM_{2,5} and meteorological parameters.









CLEAN AIR CENTERS

Clean Air Centers established to support Ministry for monitoring air quality and identifying pollutant sources.



1) Marmara THM (2010)

2) Ege THM (2017)

3) Kuzey İç Anadolu THM (2016)

4) Güney İç Anadolu THM(2016)

5) Orta Karadeniz THM (2016)

6) Doğu Anadolu THM (2016)

7) Güney Doğu Anadolu THM(-)

8) Akdeniz THM (2017)





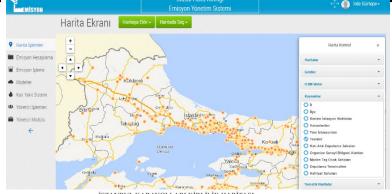


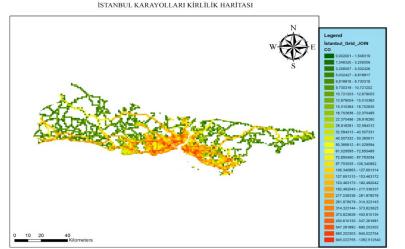
AIR QUALITY MANAGEMENT

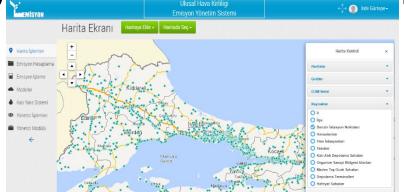
- ► GIS based Air Emissions Management(AEM) Portal that covers all pollutant sources data was established.
- National and regional strategic air quality maps can be prepared by AEM Portal.

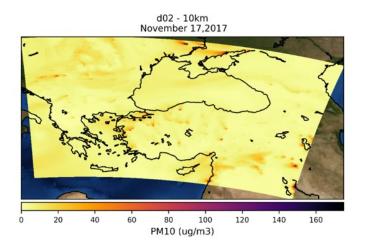
Air quality maps are finalized for Marmara region until, 2023 AEM will be spread to whole over

country Effective measures will be determined via different scenario studies on AFM Portal.



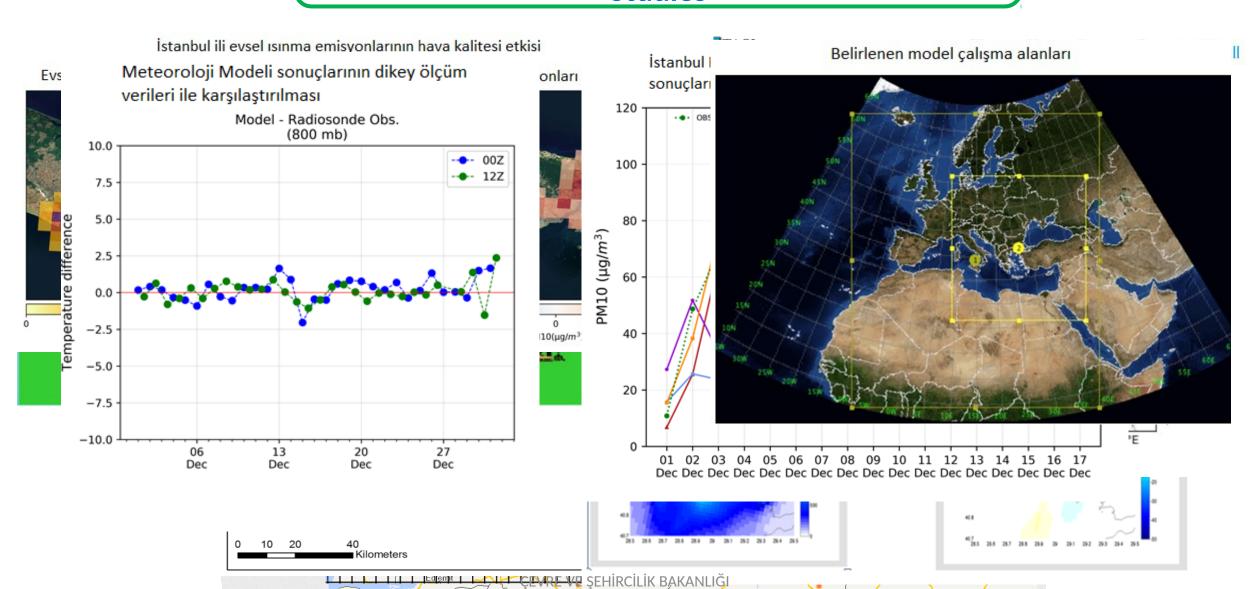






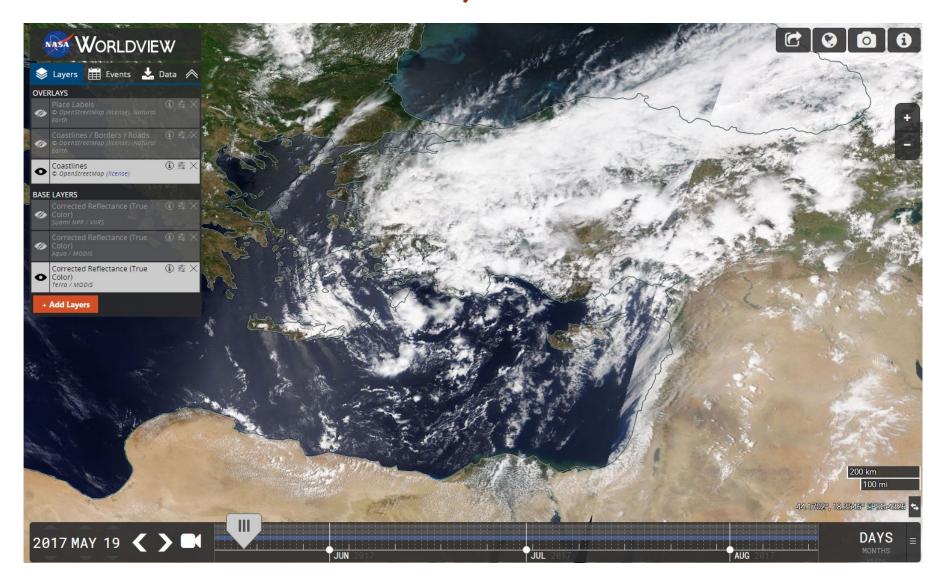


AEM PORTAL-Source Identification and Modelling Studies



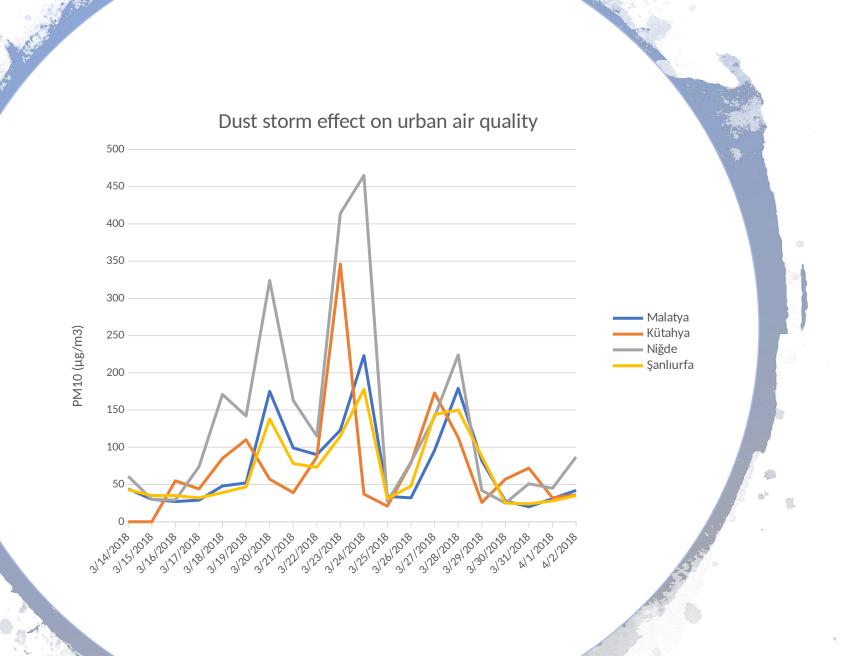


EXAMPLE, 19.05.2017











SDS MANAGEMENT

- Turkish State Meteorological Service is responsible for SDS forecasts.
- DREAM model have been operated by using ECMWF initial and boundary data.
- The system is in operational use providing 72 hours forecasts for the Mediterranean region covering Europe, Northern Africa and the Middle East. The results are available on the internet.
- SDS episodes are noted by MOEU AQ experts, SDS contribution not discarded in line with CAFE Directive.

