Source of PM and Health Impacts in Bangkok

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Scopes of Presentation

1. Air Quality Situation in Bangkok

2. Source and Health Impact of PM

3. PM2.5 Challenges





Introduction to Bangkok City



1000

Bangkok City Hall 2



1,568.737 km² +0.50 to +1.50 m MSL 17.6 - 39.3°C 1,648 mm/year 5.69 million persons 2.08 million persons 3,626 persons/ km²



1. Air Quality Situation in Bangkok

Particulate Matter (PM10)

* which is still a problem along the main roads





Particulate Matter (PM2.5)

* which is still a problem along the main roads









Vehicles













3. PM2.5 Challenges

Health Impact from PM2.5





-The rising in number of the patients with respiratory diseases

In 2016, 227,841 cases
visiting BMA Health
Service Center with
respiratory diseases

Surveillance diseases: respiratory tract disease, cardiovascular disease, conjunctivitis and dermatitis



3. PM2.5 Challenges

PM2.5 : PM as a Disaster Draft Plan for PM2.5 Management





3. PM2.5 Challenges

PM2.5 : PM as a Disaster



Thank you for your kind attention

For more information www.bangkok.go.th/environment