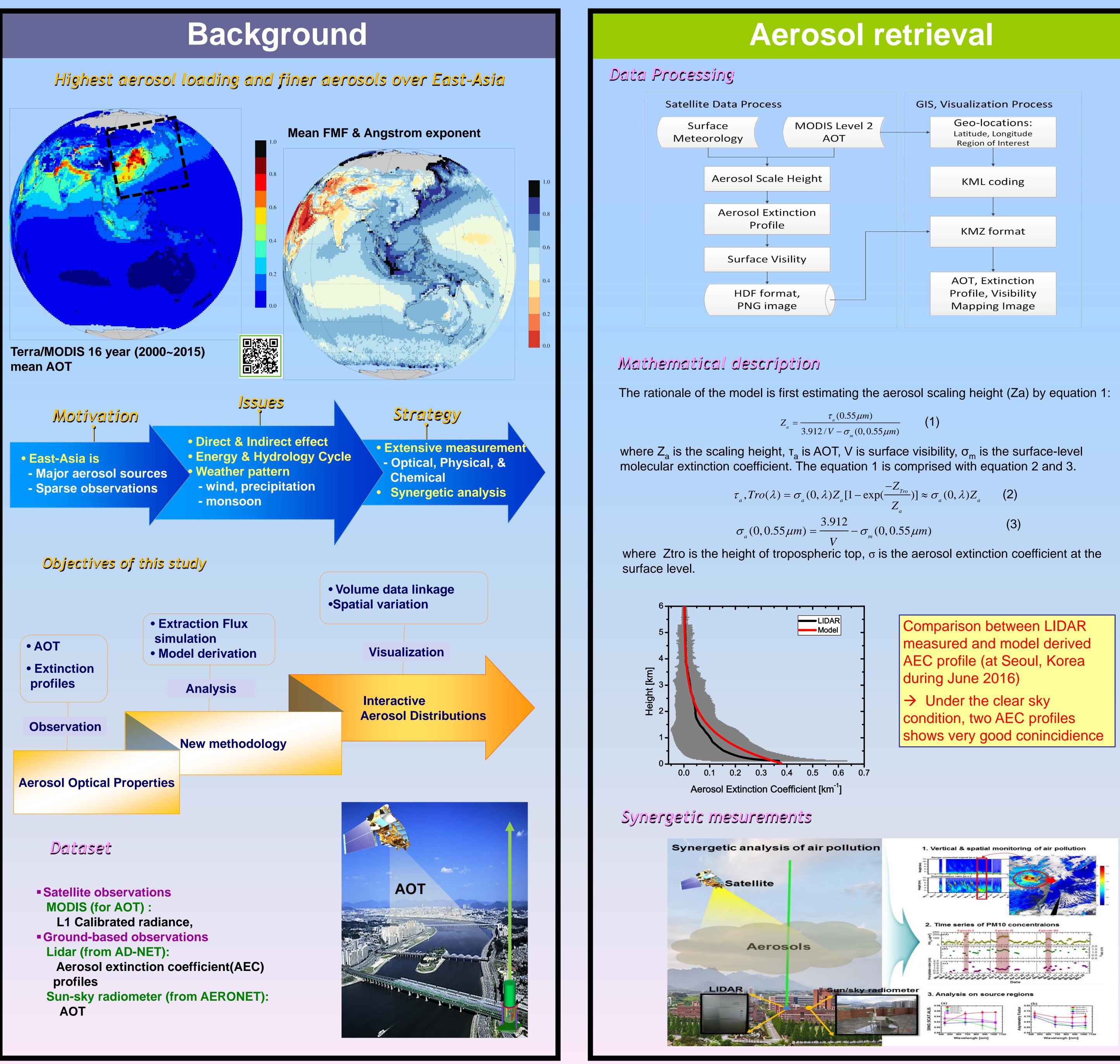




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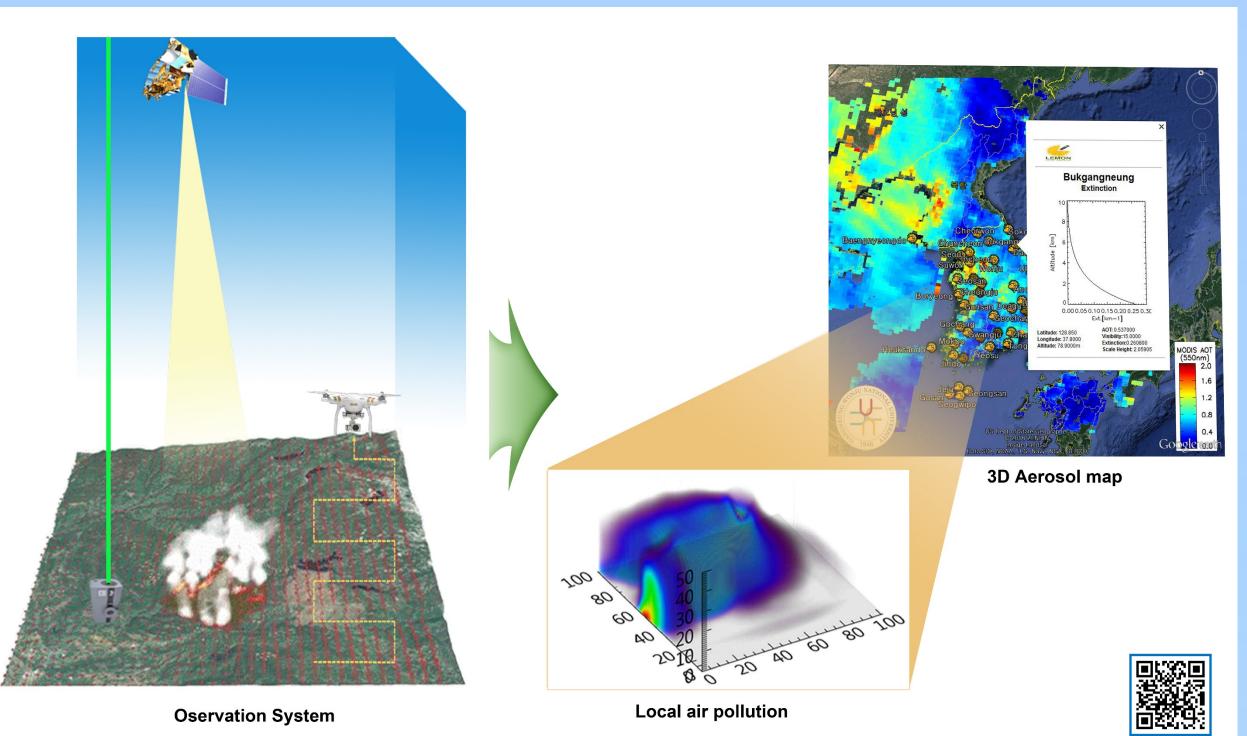


VISUALIZATION OF 3D AERPSOL DISTRIBUTION WITH SATELLITE AND GROUND OBSERVATION DATA ON GOOGLE EARTH Kwon-Ho Lee^{1,2}, Sung-Kyun Shin², Mi-Kyung Choi¹

trieval		
GIS, Visualization Process		
	Geo-locations: Latitude, Longitude Region of Interest	
	KML coding	
	KMZ format	
	AOT, Extinction Profile, Visibility	

Visualization of aerosol information

Data Linkage with Google Earth (GE)



Visualization into VAPOR

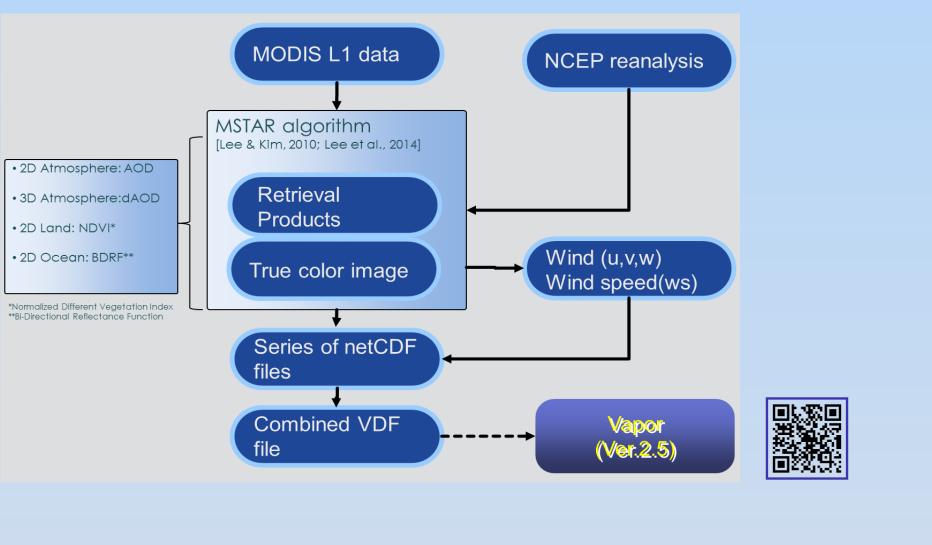


• 2D Atmosphere: AOD • 3D Atmosphere:dAOD • 2D Land: NDVI* • 2D Ocean: BDRF**

- remote sensing data.
- in GE's input for the visualization.
- be modified in the near future.

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Summary

This study presented a synergetic approach to derive and visualize the horizontal AOT and vertical profile of AEC using satellite and ground-based

Combining of multi-sensor, -dimensional observation data acquired from satellite and ground-based remote sensing observations, and analytic modelling data can construct volume unit of aerosol information which are used

Limitations of the method are that the analytic model is more accurate in clear sky, non-elevated dust condition, where further improvement is needed and will