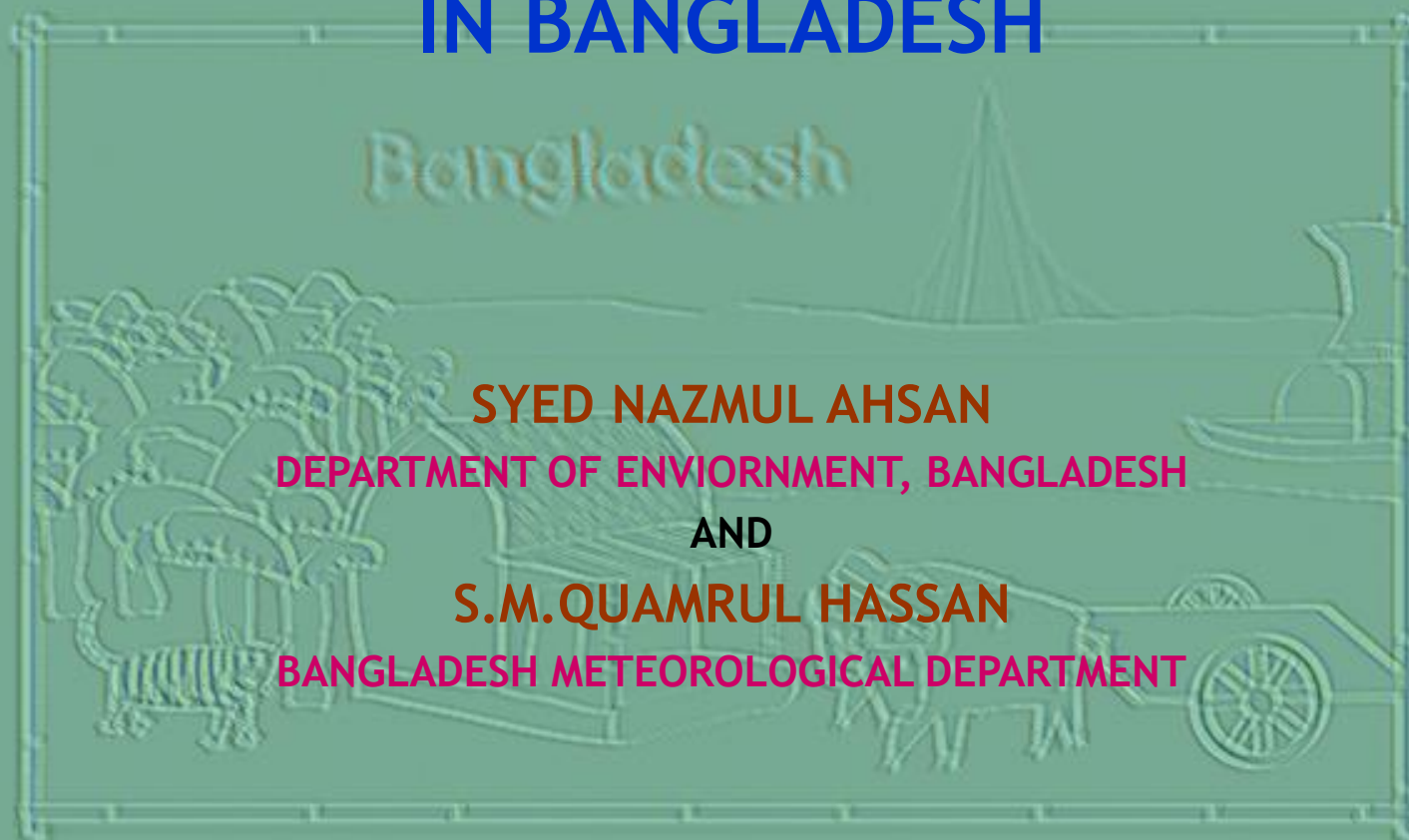


ANTHROPOGENIC EMISSION IN BANGLADESH



SYED NAZMUL AHSAN
DEPARTMENT OF ENVIORNMENT, BANGLADESH
AND
S.M.QUAMRUL HASSAN
BANGLADESH METEOROLOGICAL DEPARTMENT

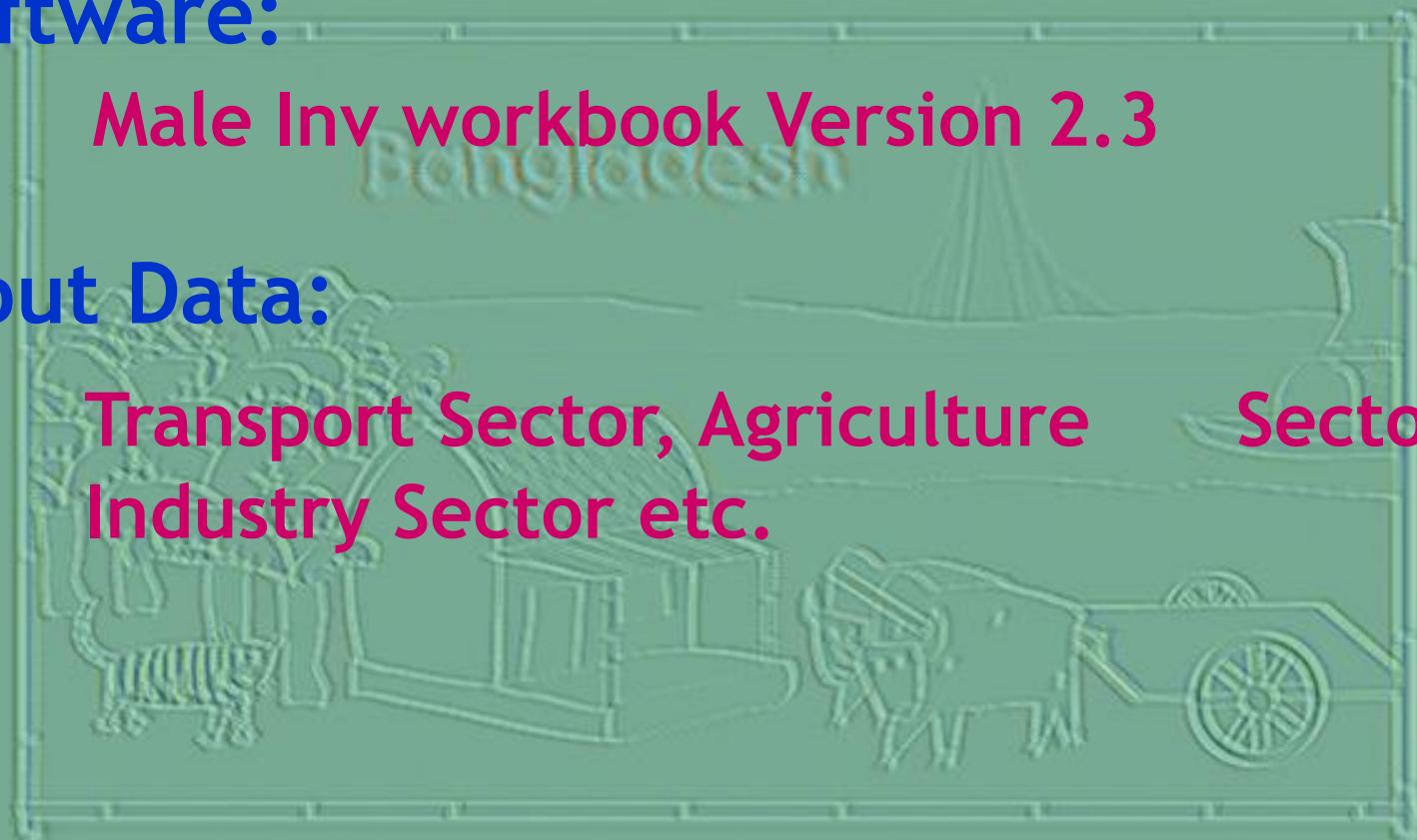
**Malé Declaration Workshop on
Emission inventory preparation / scenarios / atmospheric transport modelling
28 January – 1 February 2008
UNEP RRC.AP, AIT, Thailand**

Software:

Male Inv workbook Version 2.3

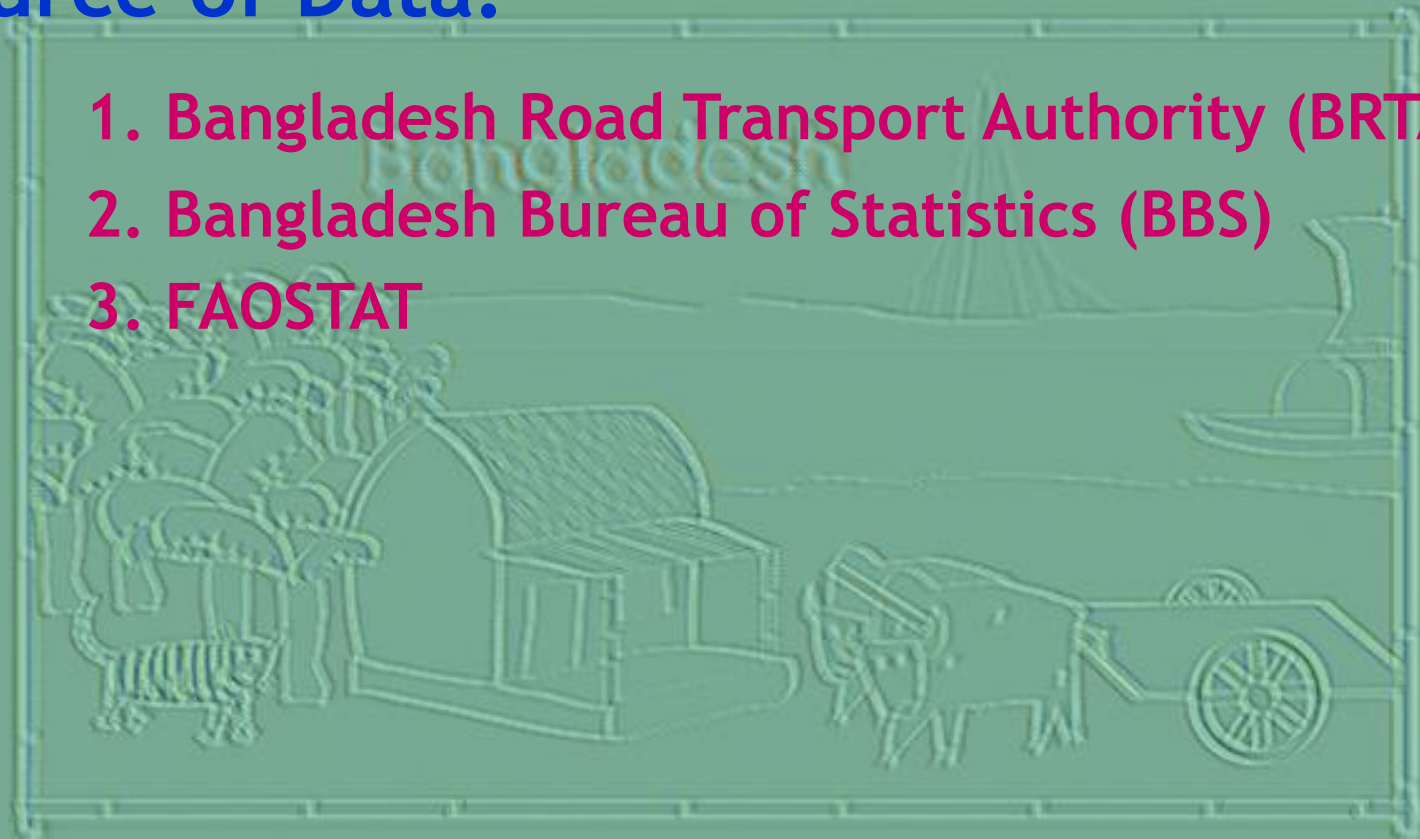
Input Data:

Transport Sector, Agriculture Sector,
Industry Sector etc.

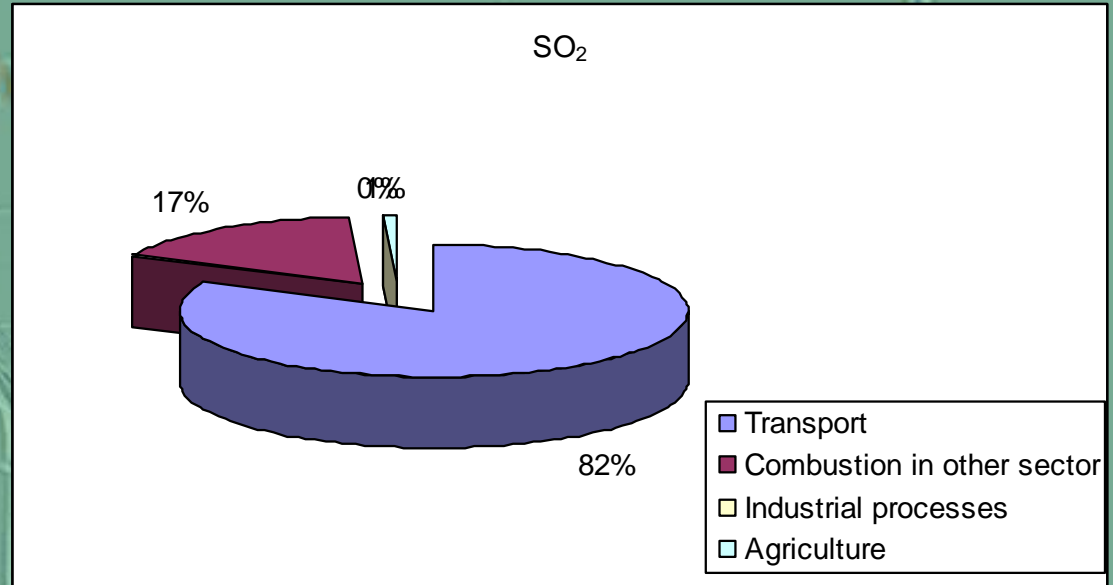
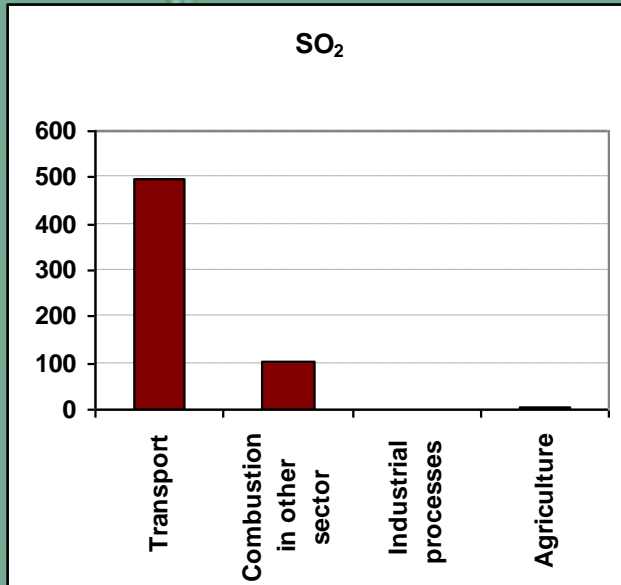


Source of Data:

1. Bangladesh Road Transport Authority (BRTA)
2. Bangladesh Bureau of Statistics (BBS)
3. FAOSTAT

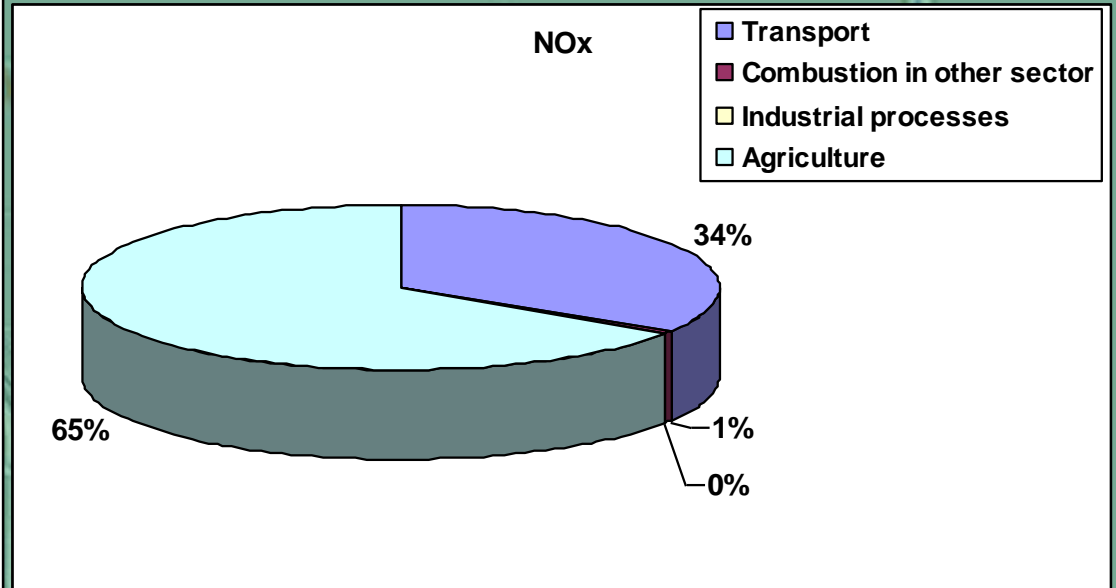
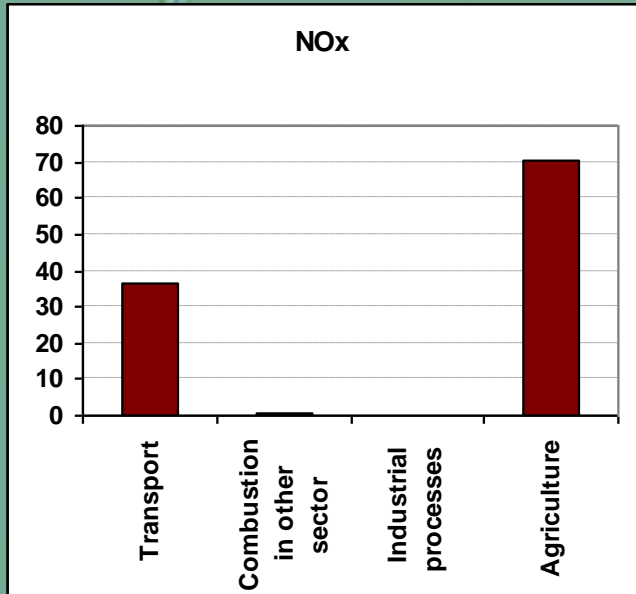


TOTAL EMISSION OF SO_2 (Kt/year) FROM DIFFERENT SECTOR



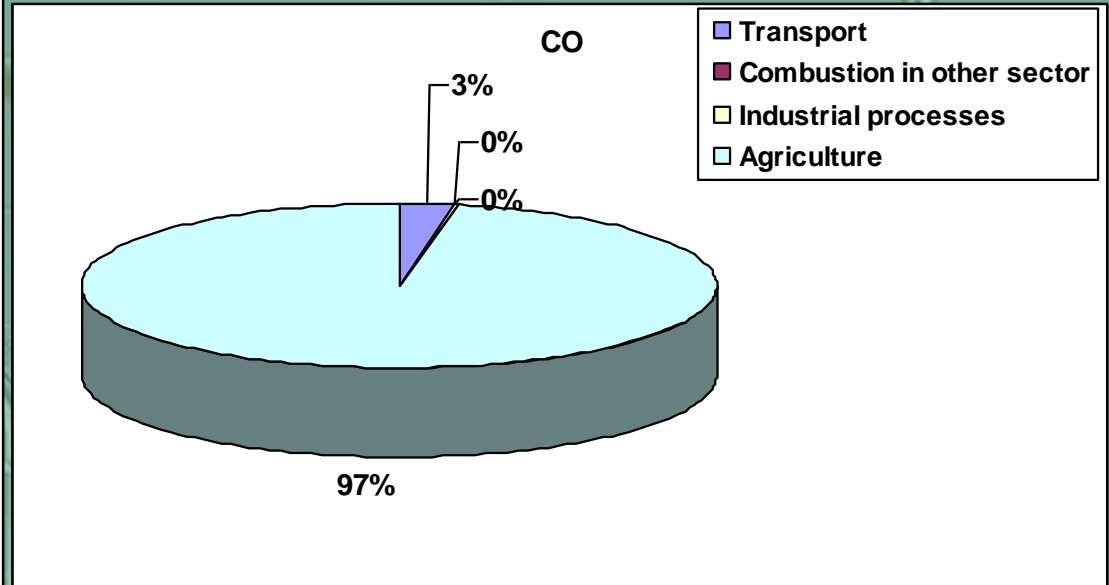
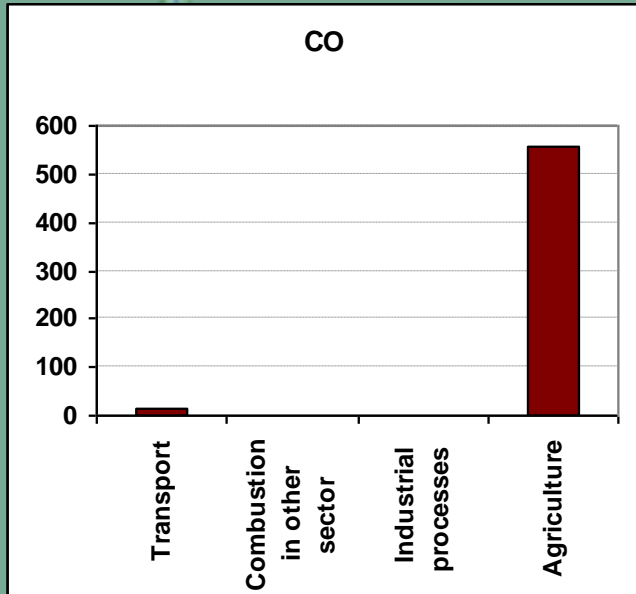
Sector	Kt/year
Transport	498.45
Combustion in other sector	104.06
Industrial processes	0.86
Agriculture	4.58

TOTAL EMISSION OF NO_x (Kt/year) FROM DIFFERENT SECTOR



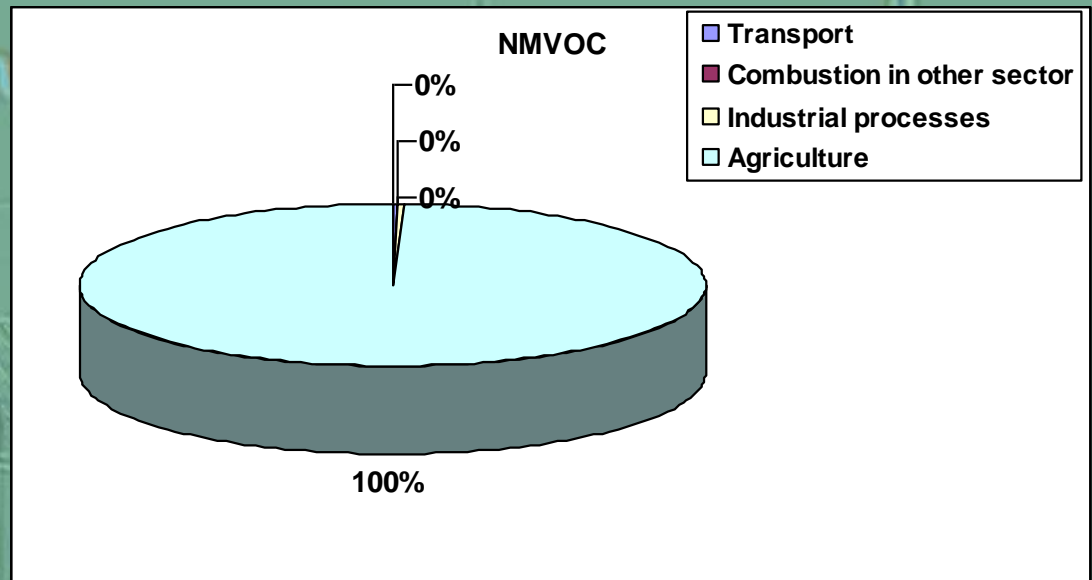
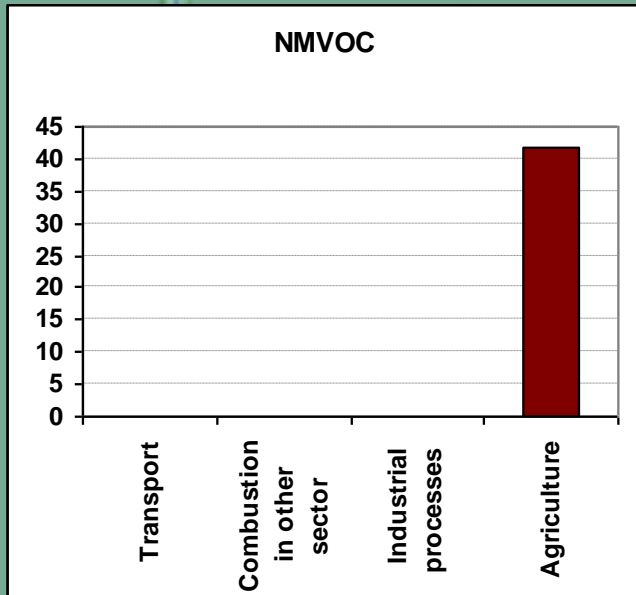
Sector	Kt/year
Transport	36.26
Combustion in other sector	0.74
Industrial processes	0.01
Agriculture	70.21

TOTAL EMISSION OF CO (Kt/year) FROM DIFFERENT SECTOR



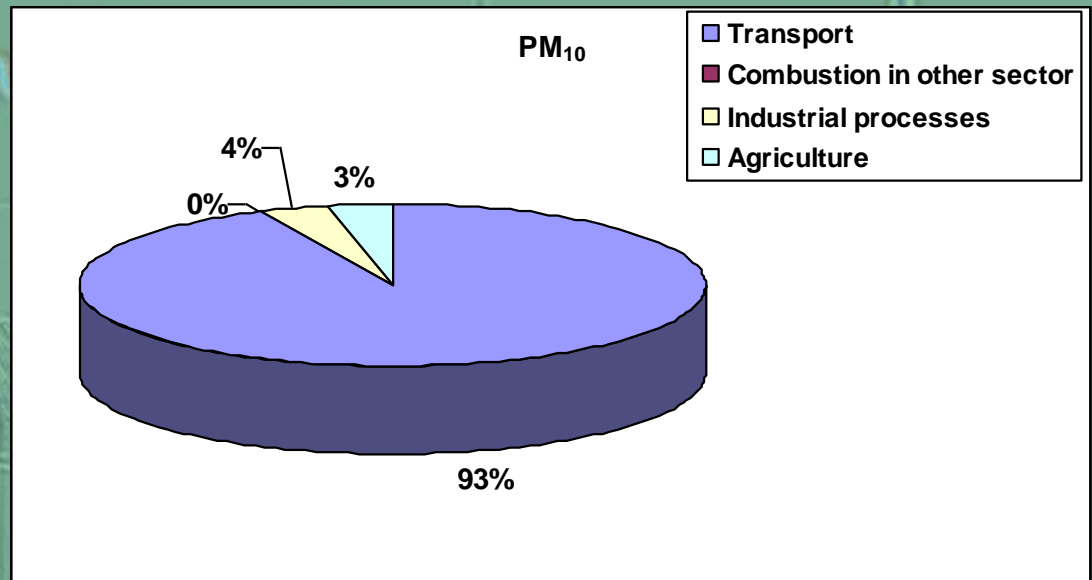
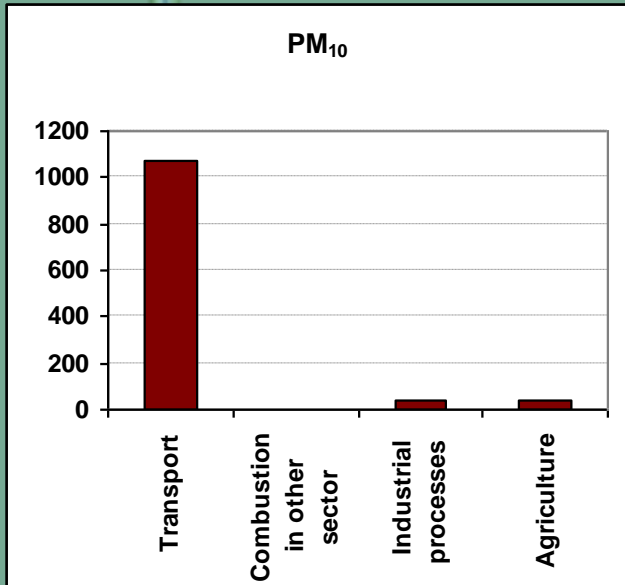
Sector	Kt/year
Transport	16.69
Combustion in other sector	0.78
Industrial processes	0.78
Agriculture	558.16

TOTAL EMISSION OF NMVOC (Kt/year) FROM DIFFERENT SECTOR



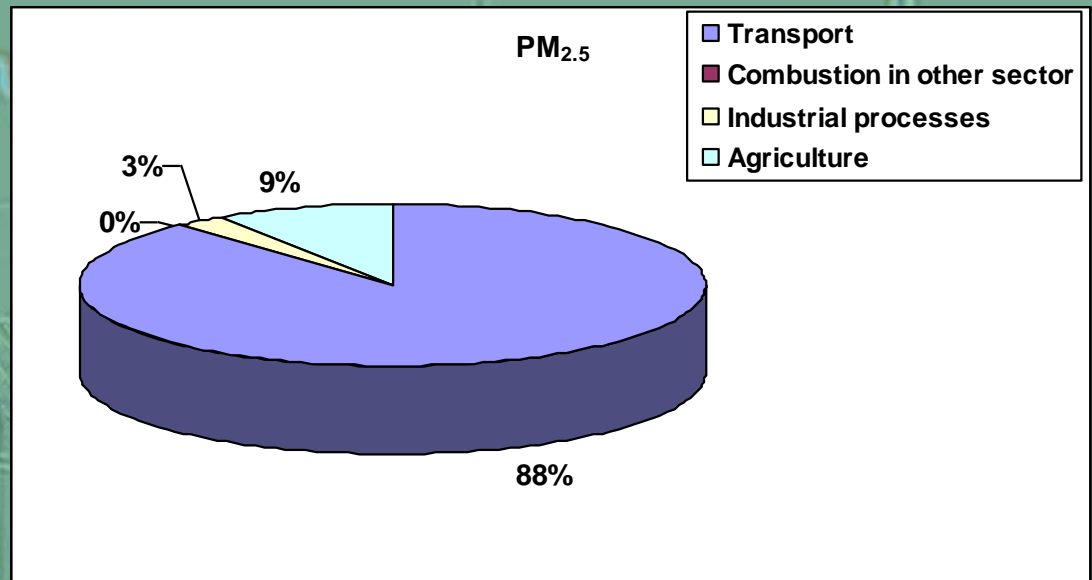
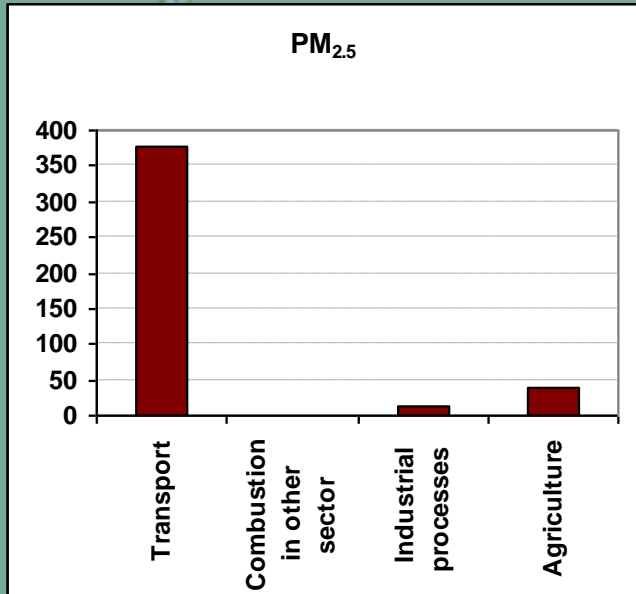
Sector	Kt/year
Transport	0.1
Combustion in other sector	
Industrial processes	0.14
Agriculture	41.83

TOTAL EMISSION OF PM_{10} (Kt/year) FROM DIFFERENT SECTOR



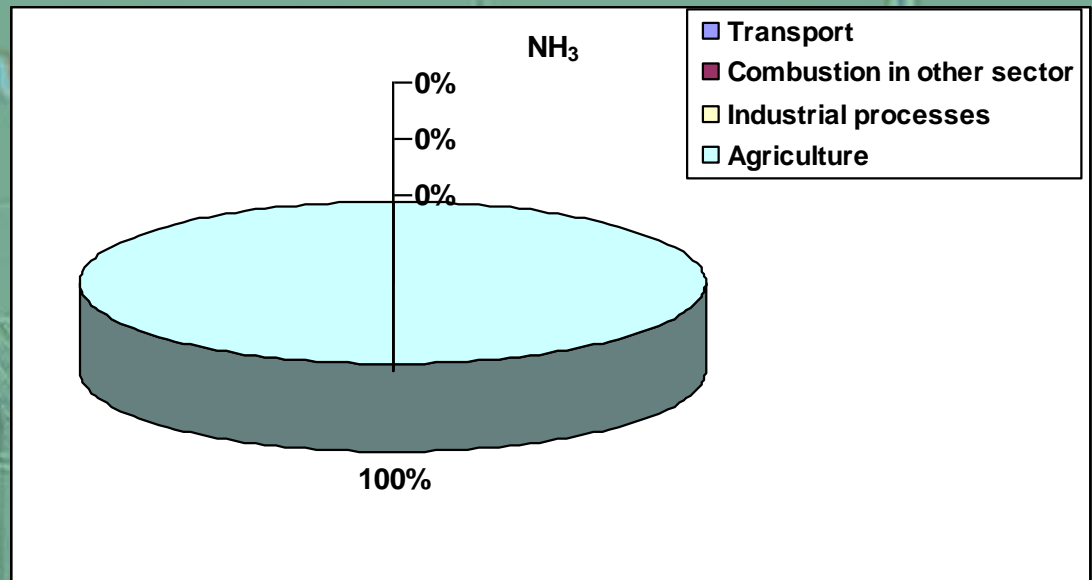
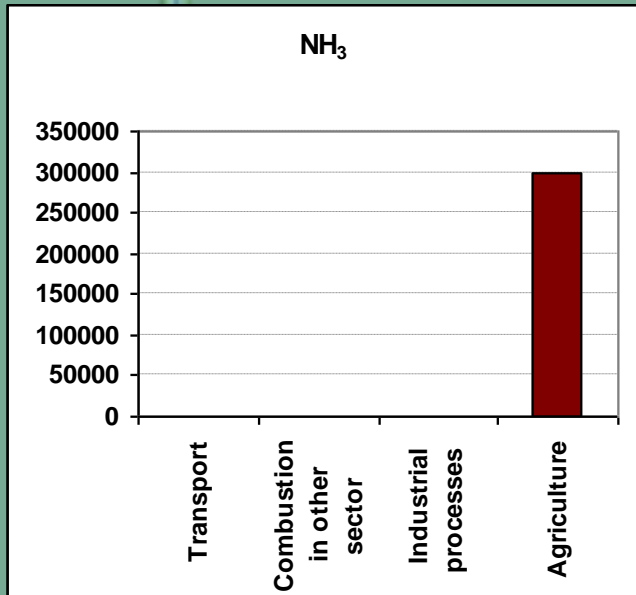
Sector	Kt/year
Transport	1072.76
Combustion in other sector	
Industrial processes	41.57
Agriculture	39.65

TOTAL EMISSION OF $PM_{2.5}$ (Kt/year) FROM DIFFERENT SECTOR



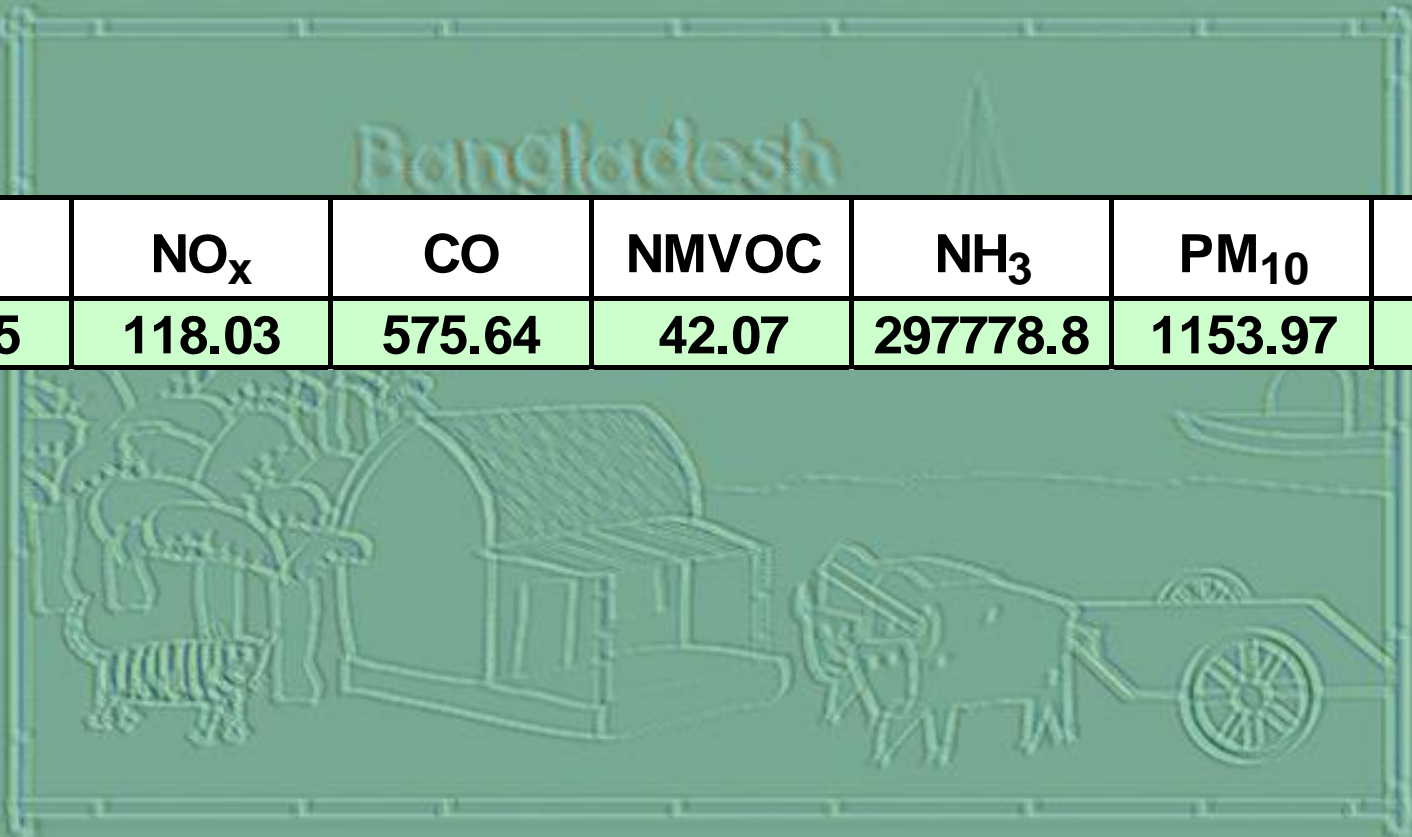
Sector	Kt/year
Transport	376.88
Combustion in other sector	
Industrial processes	11.9
Agriculture	39.65

TOTAL EMISSION OF NH_3 (Kt/year) FROM DIFFERENT SECTOR



Sector	Kt/year
Transport	
Combustion in other sector	
Industrial processes	0.02
Agriculture	297778.8

TOTAL ANTHROPOGENIC EMISSION (Kt/year) IN BANGLADESH



SO ₂	NO _x	CO	NMVOC	NH ₃	PM ₁₀	PM _{2.5}
608.05	118.03	575.64	42.07	297778.8	1153.97	428.43

DIFFICULTIES.....

- Data are not available in all sectors.
- Data are not in same time frame.
- Incomplete data



Bangladesh

THANKS

