

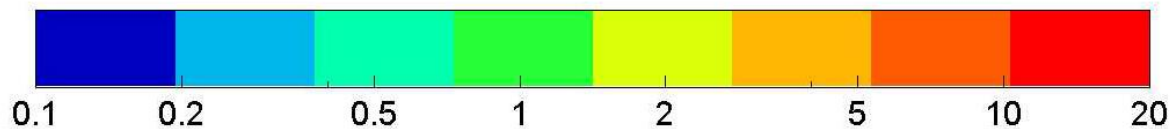
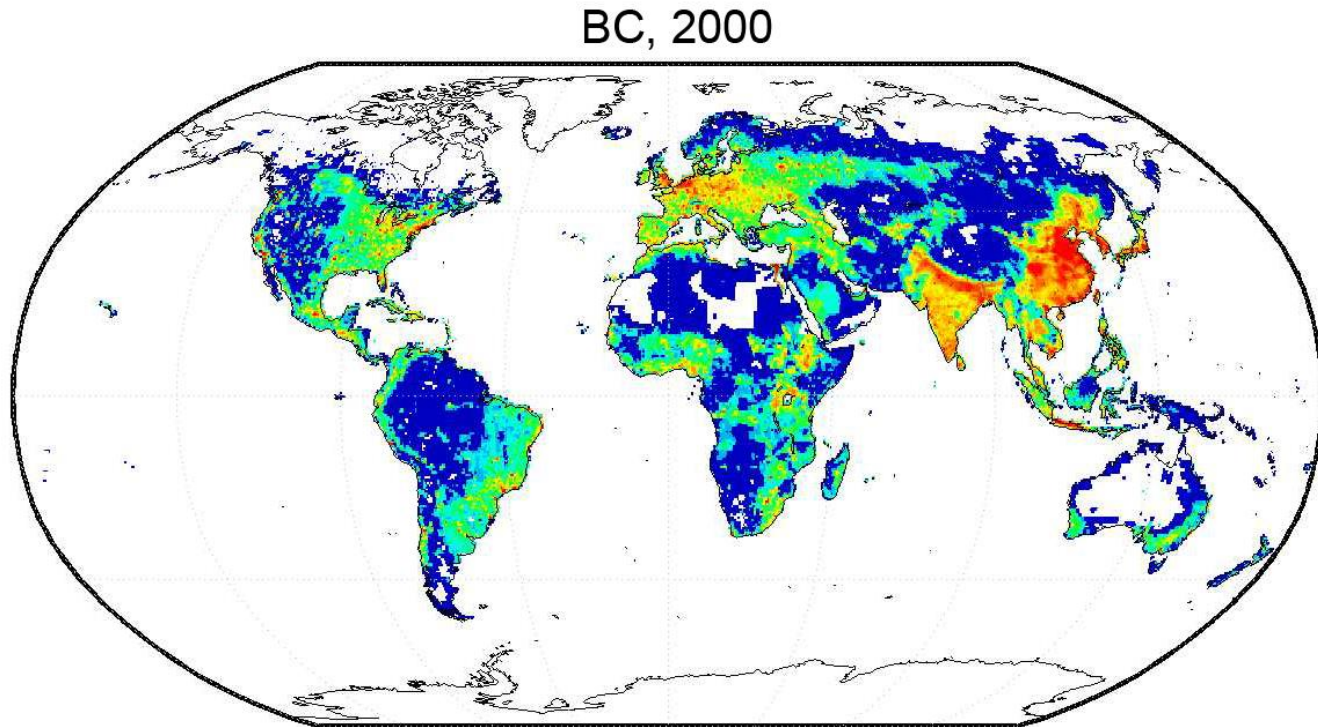
# Black carbon contribution in Tehran air: possible sources

*Yousef Rashidi*

*Environmental Sciences Research Institute*

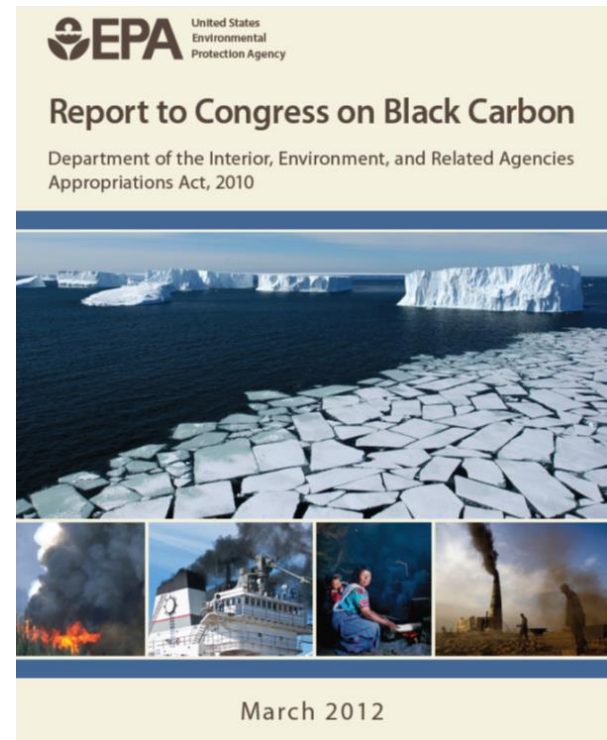
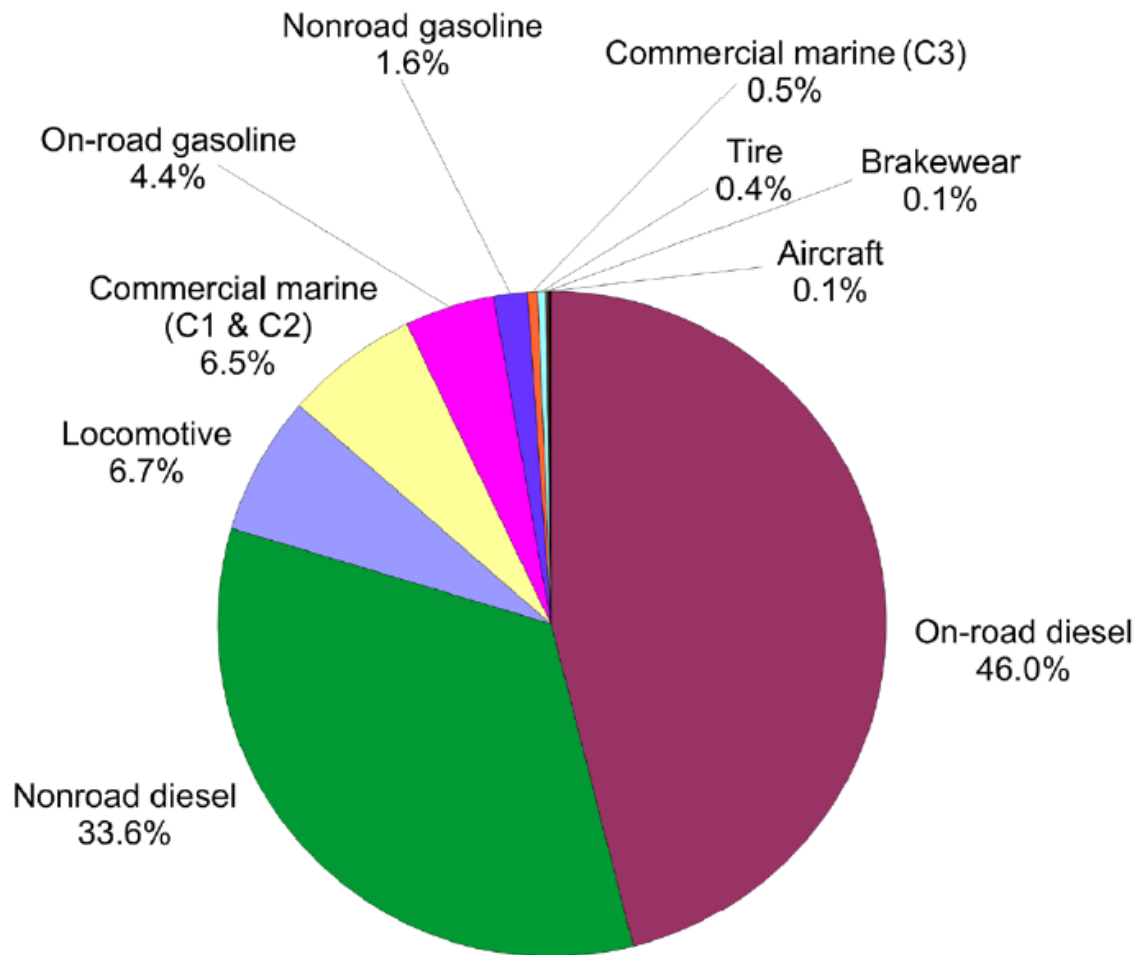
*Shahid Beheshti University*

# Global BC Emissions Based on 2000 Estimates (Gg)

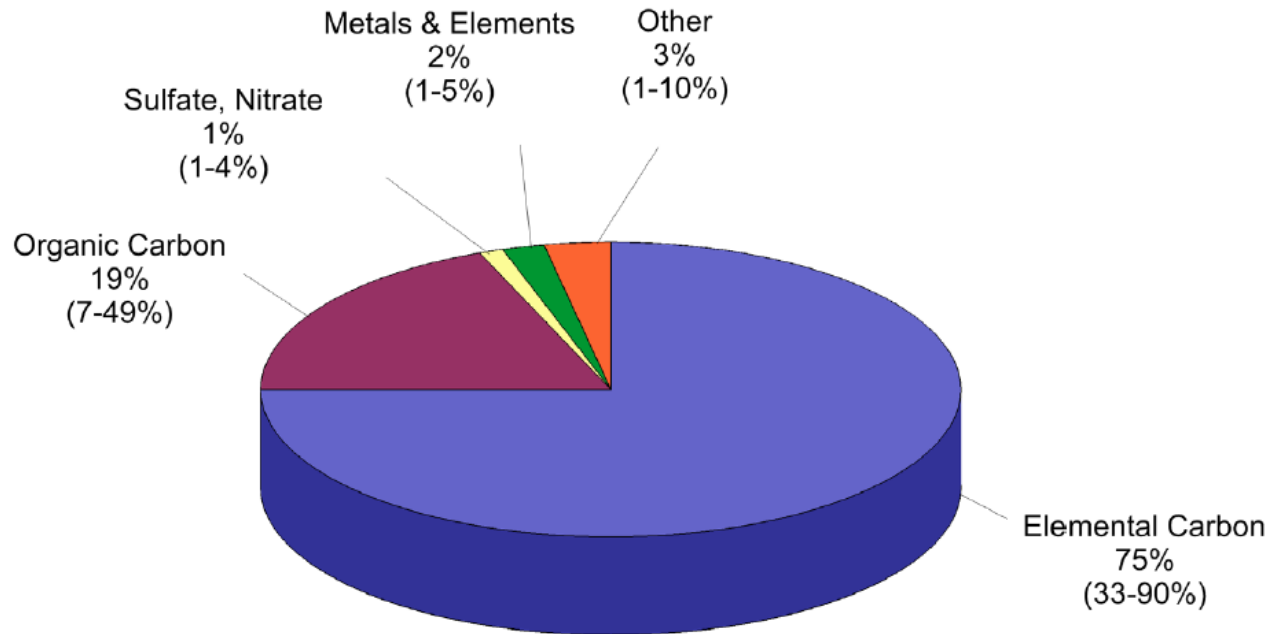


Bond et al., 2007)

# BC Emissions from all Mobile Sources categories in US (333,400tons)



# Heavy-Duty Diesel PM2.5 Emission Profile



(Source: U.S. EPA, 2002b)

# Mitigating Black Carbon

- Develop a Black Carbon Mitigation Roadmap (regulations, technical , ....)
- Fast Response actions:
  - emissions standards for new engines, use of diesel particulate filters (DPFs) in conjunction with ultra low sulfur diesel fuel
  - retrofit programs for in-use mobile diesel engines