S20 High Level Policy

Webinar

APPLYING SCIENCE AND TECHNOLOGY FOR C
AIR AND CLIMATE CO-BENEFITS

Determine Real world Emission Using Remote Sensing Data to support Deci Making to Promote Air Quality

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Session: The role of Research and Technology for promoting Clean Air and Climate M

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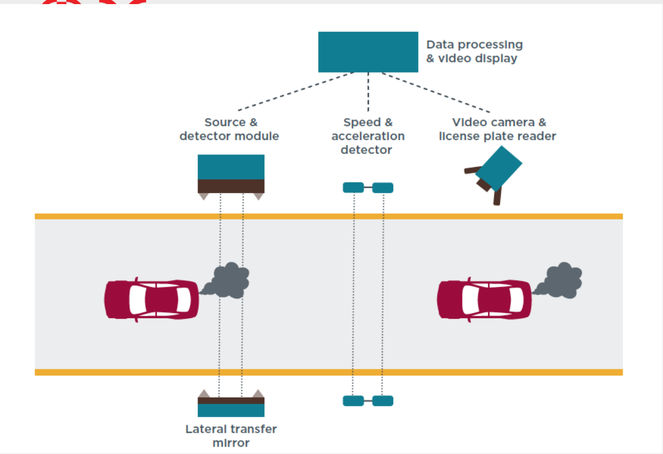
Remote Sensing Data Collection in Jakarta (2021)



Addressed issues:

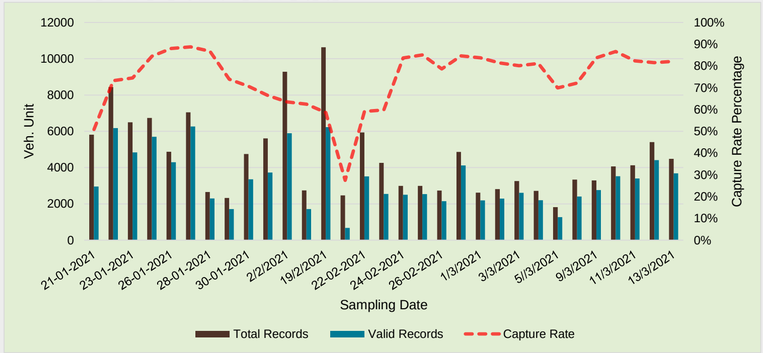
- One of key sector contributing to air pollution in Urban areas is transportation
- There is a gap in data collection (lab & on road) limited # of vehicle emission data
- Lack of inadequate & Reliable data to support decision making

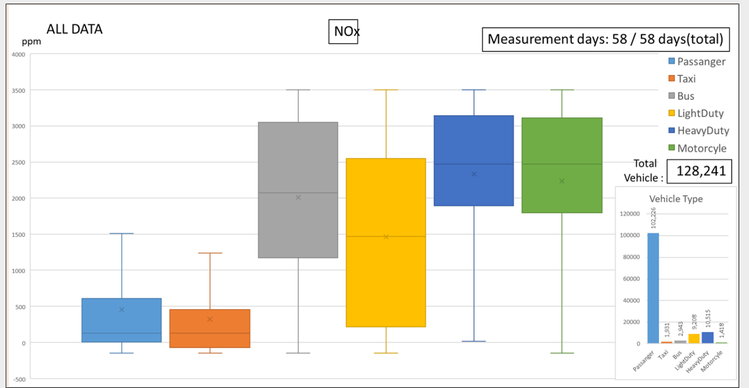
Remote Sensing could collect data in 0.5 s. (reliable & fast):

- Concentrations of pollutants in

Research in Jakarta supported by ICCT, collected about 187.000 vehicle emission data from 20 toll & non toll roads

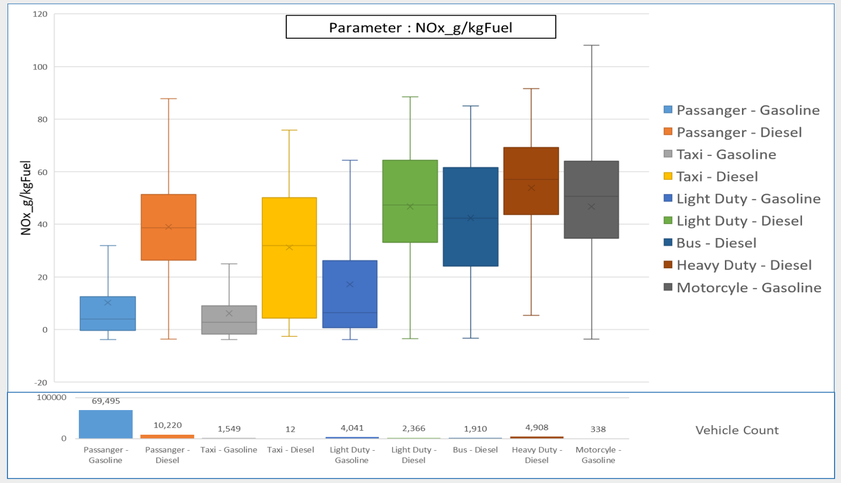
- High Capture rate 70-85%
- Identify individual Low and high Emitter
- Generating real world Emission Factors
- Identify current fleet
- Track technology effectiveness





ROLE OF REMOTE SENSING DATA TO SUPPORT DECISION MAKING

Remote Sensing Data-Determine Real world Emission



Improve Air Pollutant Emission Inventory

GHGs Emission Inventory (CO2)

Source of air Pollution ?

Source of GHGs are they similar?

- Create new Policies to address both
- Tracking Technology Effectiveness
- Tracking Policy Effectivenss

Remote sensing data can be used to provide significant information to policy makers to Reduce Air pollution & GHG Emission from transport sector

Thank You