How to prepare an inventory

Steps

- Locate sources
  - Eurostat
  - National statistics
  - Old reports
  - EU projects (FLEETS, TRACCS)
- Collect data (raw)
- Organize data according to requirements
- Make assumptions when categories don't fit
- Gap filling
- Check against known data (eg Fuel consumption)

Population

- Locate sources
  - www.turkstat.gov.tr (Turkish Statistical Institute)
  - www.ubak.gov.tr (Ministry of Transport)
  - Istanbul Emissions Inventory Work (literature, previous studies)
- Collect data (raw)
  - Total population, average vehicle age
- Organize data according to requirements
  - file
- Make assumptions when categories don't fit
  - eg. Diesel Passenger Cars 50-50 split to engine size
- Gap filling
  - No gap filling required, final dataset based on total numbers
- Check against known data
  - Statistics (go to step 1 and verify)

Mileage

- Locate sources
  - www.turkstat.gov.tr (Turkish Statistical Institute)
  - www.ubak.gov.tr (Ministry of Transport)
  - Prof. Alper Ünal, ITU (Istanbul Technical University)
- Collect data (raw)
  - Annual mileage from studies,
- Organize data according to requirements
  - file
- Make assumptions when categories don't fit
  - eg. Total Vehicle kilometers for all vehicle categories
- Gap filling
  - Same mileage for all HDV categories
- Check against known data
  - Statistics (go to step 1 and verify)

Speed

- Locate sources
  - www.ubak.gov.tr (Ministry of Transport)
- Collect data (raw)
  - Speed limits in various driving conditions
- Organize data according to requirements
  - file
- Make assumptions when categories don't fit
  - eg. All vehicles in the same category drive with the same average speed
- Gap filling
  - No gap filling required
- Check against known data
  - Statistics (go to step 1 and verify)

Share

- Locate sources
  - www.ubak.gov.tr (Ministry of Transport)
- Collect data (raw)
  - Total length of roads, reports
- Organize data according to requirements
  - file
- Make assumptions when categories don't fit
  - Fraction of rural single carriageway 75%
  - Fraction of rural dual carriageway 25%
  - All vehicles in the same category have the same driving share
- Gap filling
  - No gap filling required
- Check against known data
  - Statistics (go to step 1 and verify)

Mean Fleet Cumulative Mileage

- Locate sources
  - www.turkstat.gov.tr (Turkish Statistical Institute)
  - www.ubak.gov.tr (Ministry of Transport)
- Collect data (raw)
  - Total population, average vehicle age
- Organize data according to requirements
  - file
- Make assumptions when categories don't fit
  - eg. Cumulative mileage = average age x annual mileage
- Gap filling
  - No gap filling required, data provided by calculations
- Check against known data
  - Statistics (go to step 1 and verify)