Sharing FOT Data

FOT-Net Round Table, Tokyo, October 2013
Sami Koskinen
VTT Technical Research Centre of Finland

Data Sharing in EU FOTs

- Many of the biggest European FOTs have been and are being carried out in EU research projects (e.g. euroFOT, TeleFOT, DRIVE C2X…), where several partners analyse data

- These projects have actively been sharing data within their consortiums and they've made preparations for sharing data with 3rd parties

- They've identified many steps that need to happen before data can be effectively analysed by others, e.g. detailed documentation

- Sharing data has been a learning process – ITS is relatively new to sharing data from large-scale user tests, when compared to e.g. medical testing

Keys to Sharing Data

✓Publicly available information (catalogues, descriptions, samples)

✓**Detailed** English documentation, supported with photos and videos. Includes descriptions of study design, user groups, baseline and treatment dates, log format, sensors etc.

✓Sharing tools and post-processed summary data. Building these again and again is expensive

✓Preparing legal agreement drafts for data sharing when the project is still ongoing. Consider support for analysts, upkeeping user privacy, required data management practices e.g. for video and review of publications

✓Original test use agreements may easily limit data sharing, unless specific care is taken when formulating the wording

Data Sharing in 2014–

- It's still the big research projects that own most of the <u>detailed</u> test data and necessary documentation
- Fleet management companies continue to install various loggers. Their data is good for specific studies (e.g. fuel consumption) and reference, but often lacks high frequency or environmental sensing
- It's becoming a property of vehicles and smartphones to analyse driving style
- Project FOT-Net Data starts January 2014. It supports efficient sharing and re-use of data sets
    - Develops and promotes **a framework for sharing data**
    - Builds a detailed **catalogue of available data and tools**
    - Works together with data providers to make it easier to share their data, can also fund selected cases