re.

Model Users and Model Developers

Is it possible for the two to function as one to get the job done well?







Who uses models?





Who has developed a model?





Who has developed and used a model? (same model)





Development depends on Use

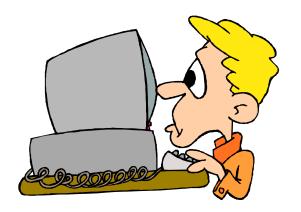
How is the model going to be used?

- Long-range planning
- Alternative Analyses
- Air Quality Analysis
- Corridor Studies
- Traffic Forecasts
- Site Impact Analysis
- Policy Analysis
- Economic development Analysis
- Transit
- Toll Analysis
- Evacuation Planning
- Real-time Traffic Management
- Laud use Scenario Analysis





What is the # 1 comment when you ask a user what they need the most when using a model they did not develop?











What are key items to document?

Everything!! But if you had to list a few, they would be:

- Assumptions especially those made during calibration. Why were certain decisions made? How was the model fine-tuned?
- SE data what are key developments planned for in future years
- Sources of data
- Transit links
- Field Name Documentation
- Field Calculations (i.e. how was VHT calculation, ave. speed)
- All Files (Input/Interim/Output Define Flows; Bill Allen's documentation of Baltimore Model is a good example)
- Define Parameters and Values
- Lineage (What version of files New Start requirements)
- Methodology write-ups along the way to eliminate surprises to the user(s)







From the Developer

Users need to communicate facts BEFORE the model is developed!

- How will the model be used?
- Who will use the model?
- What is the level of the user?
- What data is needed from the model?
- Are there key areas of concern?
- Upfront conversations between developer and user(s) so there is clear understanding of model expectations from the beginning.







Work together throughout the development process.

■ The relationship between user and developer should be ongoing from the very beginning. There should be places in the development where the user is brought in and "brought up-to-date". The user should help with reasonableness checks throughout the development of the model.





Technical Support is needed after development

The user won't know what questions may need asking until they start using the model for specific tasks.







Other comments or suggestions?



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