



| WBS No. | Tool Liser Needs Workshop | YI | Year 2 | | | | | | | | | | | | ¥2 | N/ | |
|------------|-----------------------------------------------------------------|-------|--------|-------|-------|------|------|-------|-------|------|------|------|-----|-------|------|------|----------|
| | | | | | | | | | | | | | 43 | ¥4 | 45 | | |
| | | | Oct | Nov | Dec | Jan | Feb | March | April | May | June | July | Aug | Sept | | - | |
| 132 | Experimental Datasets | 10 | | | +1 | | | | | 71 | +6 | | | +2 | +10 | +10 | +10 |
| 1.3.2 | Simulation Models | 802* | | | | | | | | | +25 | | | +25 | +50 | +50 | +50 |
| 1.0.0 | | 802 | | | | | | | | | . 20 | | | | | | |
| 1.3.3 | Existing Building Data | ID | | +1.8M | | | | | | | | | | +0.7M | VI O | | |
| 1.3.5 | AI-M-1 | IP | | | | V0.1 | | ¥1.0 | | | | | | | V1.0 | | |
| 1.3.5 | AI-M-2 | 1/0.2 | | | 1/1.0 | ¥0.1 | ¥1.0 | ¥1.0 | | | | | | 3/1.1 | | | <u> </u> |
| 1.3.5 | ALDI 1 | V0.2 | | | V1.0 | | V1.0 | | | | | | | V1.1 | | | <u> </u> |
| 1.3.0 | ALDL-1 | V0.1 | | | V0.2 | | V1.0 | | | | | | | V1.1 | | | - |
| 137 | CWE-UO | | V0.1 | | V0.2 | | V1.0 | | | V1.0 | | | | V2.0 | V2 X | V3 X | |
| 138 | FF-UO | | | | | V0.1 | | V0.2 | V0.2 | | V1.0 | | | V2.0 | V2 X | | |
| 1.3.8 | ngEEM | | | | V0.1 | V1.0 | | 10.2 | 10.2 | V1.0 | 11.0 | | | 12.0 | V2.X | | |
| 1.3.9 | PBE Tool | | | IP | | | | | V0.1 | | | V0.2 | | V1.0 | V1.X | V2.X | V3.3 |
| 1.3.10 | RDT Tool | | | | | | | | | | | | | | V1.X | V2.X | V3.2 |
| 1.3.11 | Educational App (MDOF) | V1.0 | | | V1.1 | | | | | | | | | | | | |
| 1.3.11 | Educational App (Pile Group) | V1.0 | | | | | V2.0 | | V2.0 | | | | | | | | |
| 1.3.11 | Educational App (Base Isolation) | | | | IP | | | V0.1 | | | V0.2 | | | V1.0 | | | |
| 1.3.11 | Educational App (Wind vs. Earthquake) | | | | IP | | | | V0.1 | | | V0.2 | | V1.0 | | | (|
| 1.3.11 | Additional Education App | | | | | | | | | | | | | | +2 | +2 | +2 |
| 1.4.2 | Large Testbed – Regional Earthquake Event | | | W1.0 | W1.1 | | | | | | W1.2 | | | | W1.3 | W1.4 | W1.: |
| 1.4.2 | Large Testbed – Regional Wind, Storm surge, or Tsunami Event | | IP | | | | | | | | | | | W2.1 | W2.2 | W2.3 | W2.4 |
| 1.4.2 | Large Testbed - TBD | | | | | | | | | | | | | | W3.1 | W3.2 | W3. |























2. Generate BIM From Misc. Data

Needed Information to Reduce the Uncertainties in RDT: Building Heights, Structural Type, Building Contents

Needed Information for Validation of RDT: Estimated Damage & Downtime from Events



Learning height from satellite images?









Train application using SF data and apply that elsewhere?

QUESTIONS for Break Out 1. What building data sources should be explored? Experimental Data with SAM Models? Earthquake Wind Water Misc. Data Sources Building Heights Structural Contents Material & Lateral System 2. Other Approaches to Generating the SAM files 3. What common information gaps in modelling can be best addressed by Knowledge Bases/AI? Lifelines (water, gas, elec.) & Transportation Networks Other

QUESTIONS for Break Out

- User Preferences/Community Building and Information Sharing:
 - What would you hope the Knowledge Base of the SimCenter can enable that you cannot easily do yourself today?
 - Do you have data to contribute that can help grow the Knowledge base?
 - What other ways can you contribute to the AI effort?
 - What is the best way to share more information about our Knowledge Bases? (e.g. webinars, online office hours, in person workshops, video documentation, written documentation)