

12:30 pm -
1:00 pm

Debrief on Wire-frame Breakouts

Description: Groups share high-level summary of breakout conversations

Scribe: <Tim O'Donnell>

NOTES:

● **Coastal Hazards**

Questions

- Q: What is the distinction between natural barriers vs man-made barriers?
- A: Natural barriers include things such as forests, topography, or anything not man-made
- Q: Should app divide damage assessments based on structure type?
A: Many utility damage assessments are already separate from structural assessments.
Important damage assessment information that is not addressed in the current app should still be noted during the assessment.

Comments

- Flow conditions near and surrounding buildings should be measured during an event to help develop numerical models after the event.
- It would be nice to be able to upload videos to the app during a coastal damage assessment.
- Flooding from hurricane rainfall does not fall under the coastal hazard team's domain.

● **Earthquake Hazards**

Questions

- Q: What are people's opinions on the different damage assessment forms that currently exist? What are the things you specifically like about those forms?
A: Could create more supplemental forms, not critical

Comments

- Government buildings should be added to building types.

● **Wind Hazards**

Comments

- Consider what you have learned from other group's damage assessment ideas.
- Should we have separate apps for each hazard?

- **Hazard Observation**

- Co-located between STR **C**
- Hazard App **C** (free field)
- Free field velocity **C**

Resident **C, E** ----(ATC, ASCE 41)

Commercial C, E-----(FEMA 310 structure classes)

Critical facility C, E---(ATC, LFE, ASCE 41)

- Hospital, schools

Shelters C

Port FAC. C

Bridges E----(has forms-AL Trans, LFE)

Lifelines C--(utilities, coms,....)

Industrial C

- Chem plants

Coastal prot. Structure C

- Natural V. manmade

Government Buildings

- Typology?
- Use?
- Hazard?

Wind

- Non-building
- Building

Voice Record

Video

Tiered Assessment

- Basic eval
- analyze,
- lead and
- deeper dive/more data

Other non-structural elements take time and can be difficult to find (can't see externally)

Linking assessment to hazard evolution (climate)

Slow evolution storm--pre-deploy sensors, UAV,

- Rapid EF V.2 can consider pre-data

HAZARD OBSV.

⇒ "FREEFIELD VELOCITY"

RESID.

C, E

CO-LOCATED W/ S

HAZARD APP. (F)

(ATC, ASCE 41)

COMM.

C, E

[FEMA 310 STRUCT
CLASSES

CRITIC. FAC. C, E

⇒ HOSPITAL, SCHOOLS

SHELTERS C

(ATC, LFE, ASCE 41)

PORT FAC. C

BRIDGES E

LIFELINES
(UTILITIES, COMS, ...)

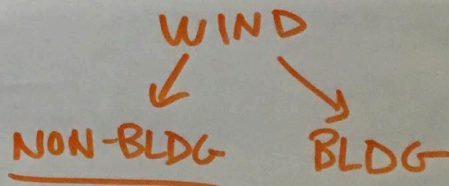
INDUSTRIAL
• CHEM PLANTS

COASTAL PROT. STRUCT.

⇒ Natural v. Manmade

GOVT. BUILDINGS

(HAS FORMS → CALTRANS, LFE



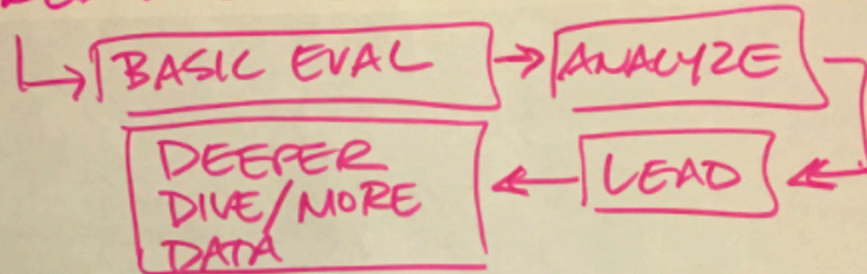
TYPOLOGY? USE? HAZARD?

VOICE RECORD

VIDEO

S2-5

• TIERED ASSESSMENT



- OTHER NON-STRUCTURAL ELEMENTS TAKE TIME + CAN BE DIFFICULT TO FIND (CAN'T SEE EXTERNALLY)
- LINKING ASSESSMENT TO HAZARD EVOLUTION (CLIMATE)
- SLOW EVOLUTION STORM → PRE-DEPLOY SENSORS, UAVs
 ↳ RAPID EF V.2 CAN CONSIDER PRE-DATA