Post-Earthquake Response and Recovery; British Columbia’s Approach to Post Disaster Building Assessments

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Thursday, March 7, 2019
Post-Disaster Building Assessment in BC

- Framework and Partners
- Governance and Administration
- Personnel and Volunteering
- Information Sharing Tools
- Challenges and Sustainability
POST-DISASTER DAMAGE AND SAFETY ASSESSMENT OF THE BUILT ENVIRONMENT PROJECT
CSSP-2016-CP-2268

Funded by:
Governance and Administration

- **BC Housing**
  - Establish and lead the Building Damage Assessment Branch at the PECC/PERRC. Manage Registry & Co-Chair Committee.

- **BC Post-Disaster Building Assessment Advisory Committee**
  - Advise, Recommend, Implement, Promote, Integrate

- **Working Groups**
  - Governance
  - Forms & Placards
  - Curriculum & Training
Core Concepts: Changing Goals
A Complex Process
Components:

- Recruitment & Training
- Pre/Post Event
- Strategies
- Other Assessments
- Legislative Framework
- Information
- Management
- Administration
- Assessment
- Procedures
- Outcomes
Personnel & Deployment

Registry:
Building Officials
Engineers
Architects
Emergency Coordinators
Facility Managers
Construction Trades
Information Management & Common Operating Picture

**FIELD STAFF**
Data Creators

**GIS STAFF**
App, Map, Dashboard Creation/Maintenance, Damage Assessment Coordination

**DATA REPOSITORY**
Multiuser, Editable, Central Spatial Database

**Dynamic/Interactive**
Web Map and Dashboards on Desktop for Clients/Decision Makers

**DECISION MAKERS**
Users of Data

Damage Assessment App/Form
ESRI Collector

GeoBC
Ongoing Challenges

- Ownership of PDBA processes
- Building taxonomies
- Assessment of specific types of buildings
- Fit of PDBA with EM & transition to recovery
- Placards (e.g., who can modify, change, remove, etc.)
- Overlap of PDBA with USAR and other rescue/response activities

**Personnel**
- Types of personnel involved in PDBA
- Desired credentials or certification
- Use of non-credentialed personnel in PDBA
- Recruitment of personnel for PDBA
- Prior training
- Just-in-time training and/or preparation for PDBA
- Liability for personnel involved in PDBA

**BDSA Operations**
- Overall management of PDBA
- Decision-making and priority determination
- Logistics and dispatching of PDBA teams
- Data collection
- Data reporting
- Data management
- Use of data in subsequent decision-making
- Use of technology in data management
- Team size and composition
Unique or Ground Breaking?

- Assessment process includes SAR, EM, credentialed and non-credentialed personnel
- Captures the informal & ICS processes used for deployment, team selection/allocation
- Links and captures academic requirements and building typologies in a Canadian context
- First ever in Canada:
  - Provincial registry of Assessors
  - Provincial Advisory Committee
Questions?

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Round Two:

2:00pm –3:30pm
Interactive Workshop 5B
Same Room(Parq B&C)