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March 2018 - Evening Seminar

Life Safety in the City: THERE IS MORE TO LIFE THAN NOT BEING CRUSHED

Date:	Wednesday - March 14	Friday - March 16
Venue:	Room C300 UBC Robson Square Vancouver, BC	835 Humboldt St, St. Ann's Academy Auditorium Victoria, BC
Time:	Refreshments: 5:00pm Presentation : 6:00pm	Refreshments: 5:30pm Presentation : 6:00pm
Presenter:	Dr. Lucy Jones, Ph.D.; Research Associate - Seismological Lab at Caltech, Pasadena, CA.	
Cost:	Free for SEABC Members. \$10 + tax for non-members	
	Registration is required: www.seabc.ca/ResilienceByDesign	

The Resilience by Design program adopted by Los Angeles to address earthquake vulnerabilities brought together the earth science, earthquake engineering and public policy professions and worked with hundreds of community organizations to get approval for sweeping seismic resilience legislation. The process elucidated the disconnect between what well-informed members of the community and local governments understand about

the earthquake risk and the goals and objectives of mitigation measures like building codes, and what has been implemented in most communities. Since their inception, building codes have been based on a principle that safety is the only valid concern of government. If an owner chooses to build a building that is a total financial loss, that is his prerogative but he cannot kill someone in the process. A key factor is that building codes consider buildings in isolation with impacts only on their owners and tenants. But the reality of a major earthquake is that the failure of a building impacts the whole community through economic disruption, population decreases, and cascading failures of engineered and social systems. This talk will explore a conceptual framework for creating a building code that reflects the realities of earthquake losses and the social dynamics of shared economic decisions.



Dr. Lucy Jones, Ph.D. – has a Bachelor of Arts in Chinese Language and Literature from Brown University and a Doctorate in Geophysics from MIT. Dr. Jones is active in earthquake research for decades, furthering earthquake risk reduction through seismological research and integrated disaster scenarios. She is the founder of the Dr. Lucy Jones Center for Science and Society, with a mission to foster the understanding and application of scientific information in the creation of more resilient communities. She is Research Associate at the Seismological Laboratory at Caltech, a post she has held since 1984. Working with both the public and private sectors, Dr. Jones seeks to increase communities' ability to adapt and be resilient to the dynamic changes of the world around them. The aim is to understand and communicate where the greatest vulnerabilities lie and what actions can be taken to reduce the risk that are the most cost-effective.

