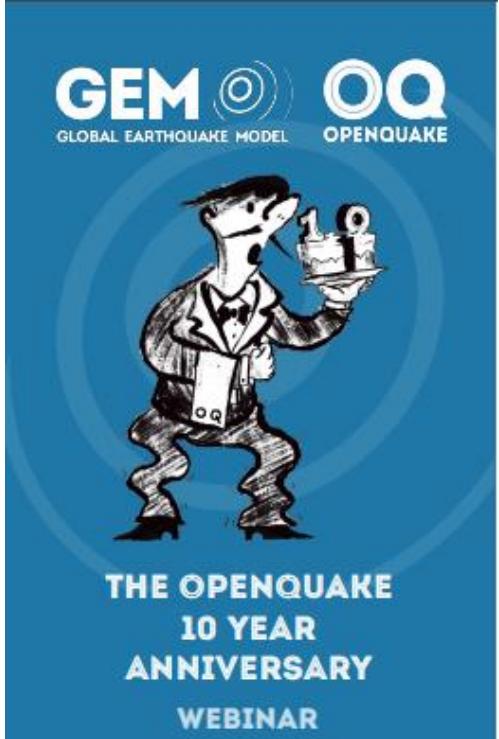
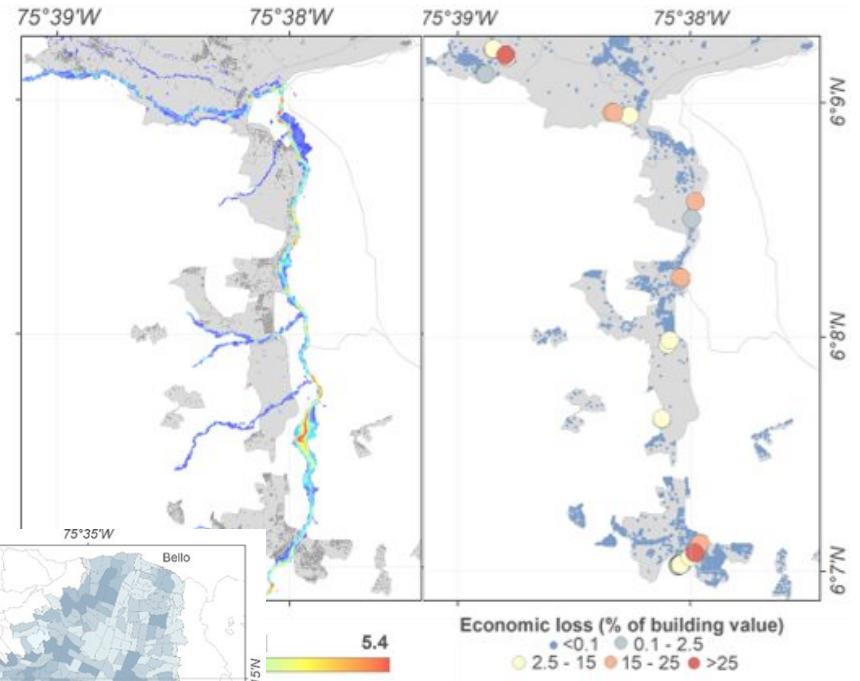
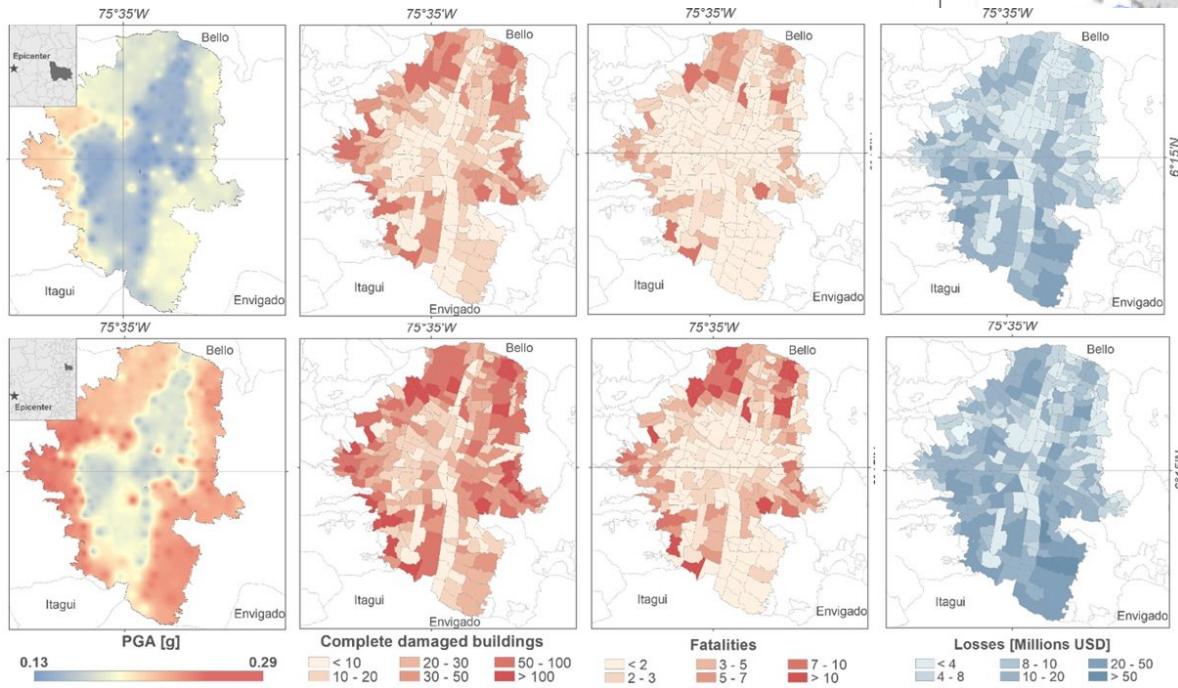
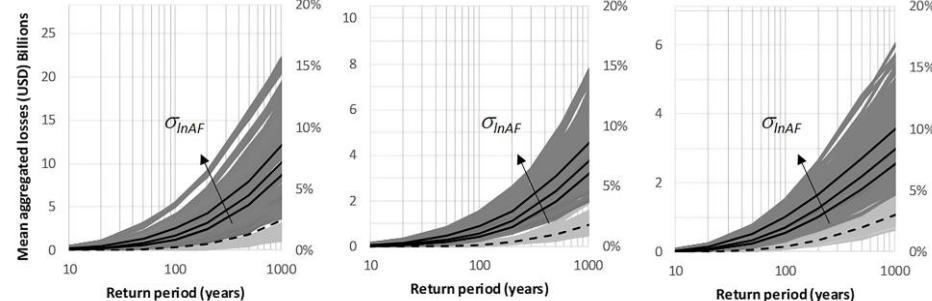
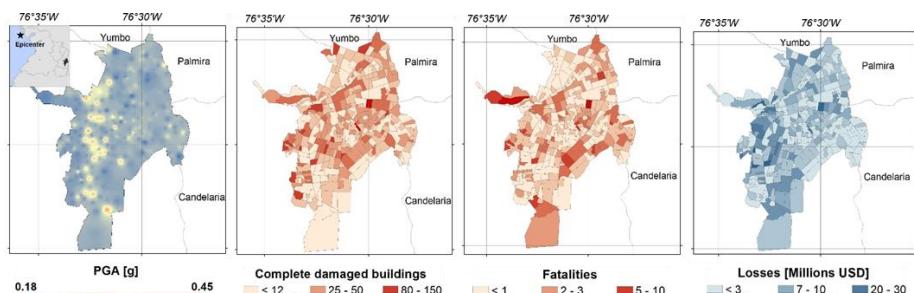
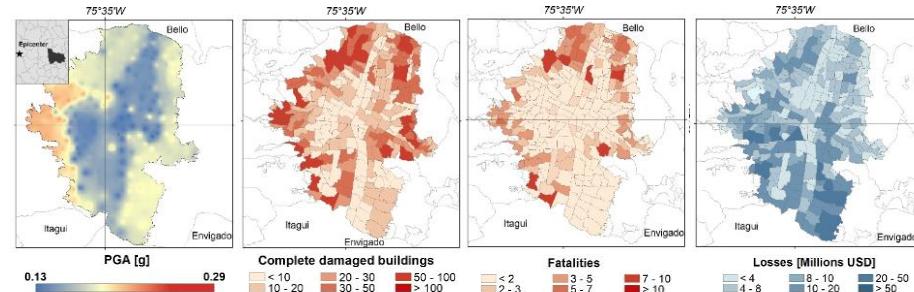
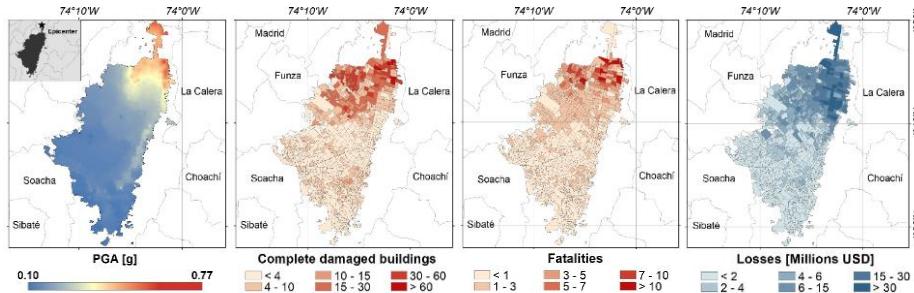


Urban risk assessment in Colombia



Ana Beatriz Acevedo
October 22nd 2020





Seismic risk assessment for the residential buildings of the major three cities in Colombia: Bogotá, Medellín, and Cali



Introduction to GEM and OQ

Training (Colombia)



2013



Training (Perú)



South America Risk Assessment (SARA) project 2013-2015

Annual Risk Training Workshop, Pavia



OQ Training

2014

2015

2015

Seminar and OQ workshop, Medellín (Colombia)



2016

2017

Nat Hazards (2017) 86:S31–S54
DOI 10.1007/s10687-016-3647-8
 ORIGINAL PAPER

Evaluation of the seismic risk of the unreinforced masonry building stock in Antioquia, Colombia

Ana B. Acevedo¹ · Juan D. Jarillo¹ · Catalina Yépez² ·
Víctor Silva² · Fernando A. Osorio³ · Mabel Villar²

Received: 17 December 2015 / Accepted: 25 October 2016 / Published online: 2 November
© Springer Science+Business Media Dordrecht 2016

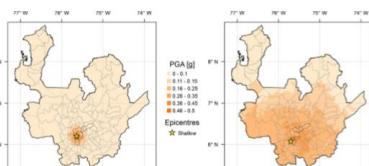
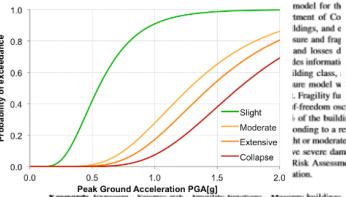


Fig. 14 Earthquake scenarios in Antioquia: epicentre and mean ground motion. a Active shallow

GEM
GLOBAL EARTHQUAKE MODEL
working together to assess risk

UNIVERSIDAD
EAFIT
60 años

CAPACITY BUILDING AND RISK COMMUNICATION

Seminar on seismic risk assessment

+

OpenQuake Workshop



Attendance of 100+ people:

Public institutions

Private institutions

Universities



International collaboration



Sistema Nacional de Gestión del Riesgo de Desastres



National collaboration



60
años

Seminar and workshop,
Medellín (Colombia)



2017

Networking

2017



International collaboration

OQ in the classroom

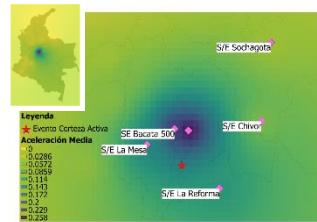


2017

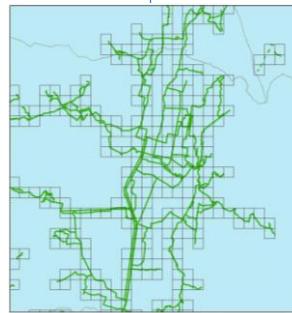
Knowledge transfer

2018

Seismic risk assessment
of electric substations

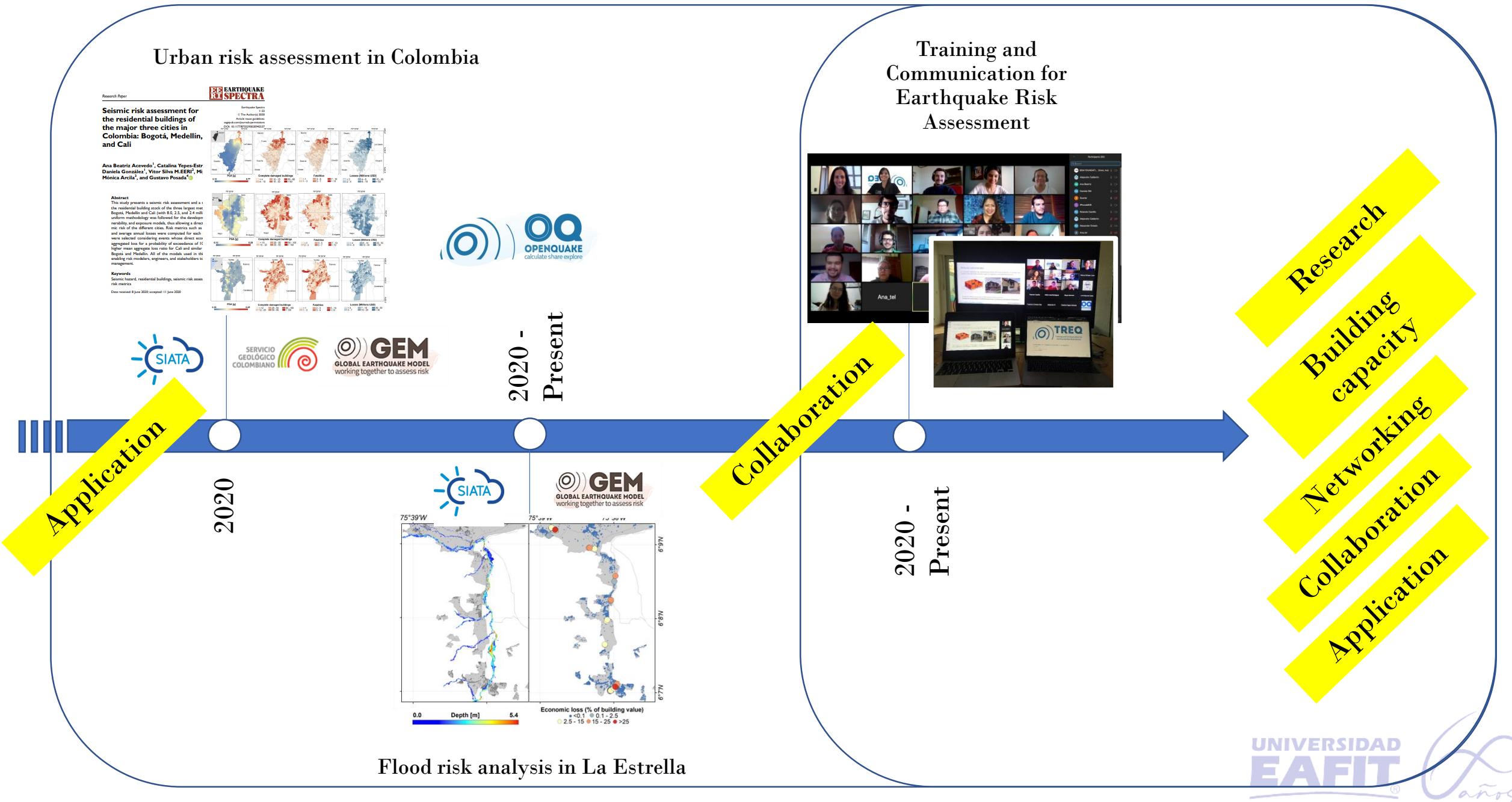


2019



Seismic risk assessment
of the water supply
system

Assessment of earthquake-
induced landslides in Quito,
Ecuador



To all of the
GEM staff:

Thanks
Grazie mille
Muchas gracias

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