

Potentials and limitations of automatic detection systems for flash flood and debris flows

V. Coviello¹, F. Comiti¹, M. Borga²

¹Free University of Bozen-Bolzano

²University of Padova



Debris flows crossing roads

(Gossengraben, Bolzano)

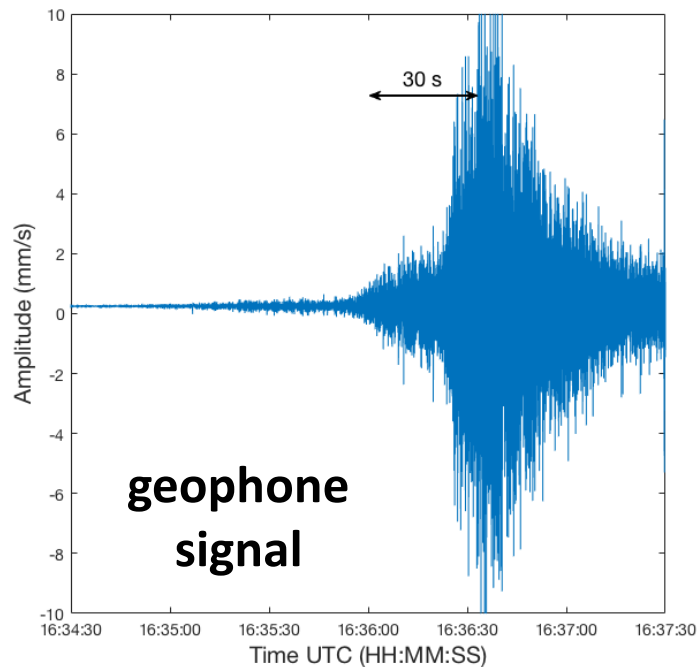


August 2017



Debris flows crossing roads

(Rotwandbach, Bolzano)





Debris flows crossing roads and villages

(Cancia, Belluno)





Flash floods in canyons

(Brent de l'Art, Belluno)

Open issues

- Which sensors ?
- Enough lead time? To do what?
- Fewer false alarms or longer lead time ?
- Legal responsibility?
- Education / acceptance: are we ready ?