Senate Education Committee February 7, 2019

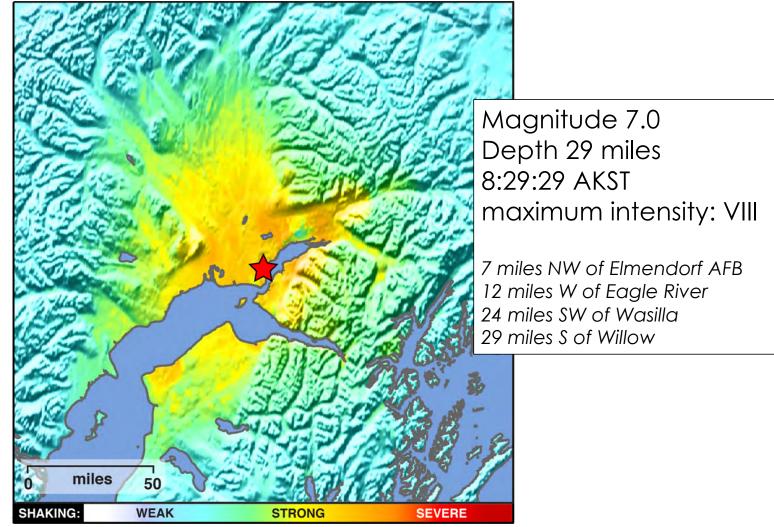
Michael West

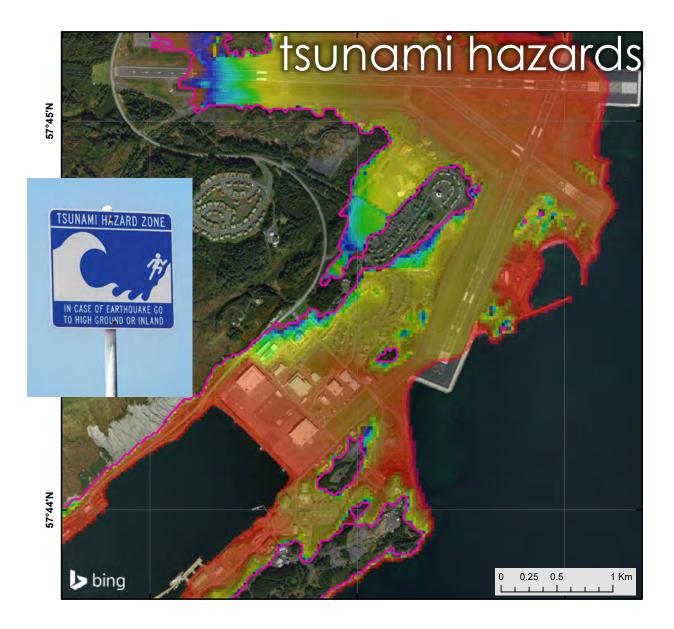
State Seismologist Research Professor University of Alaska Fairbanks

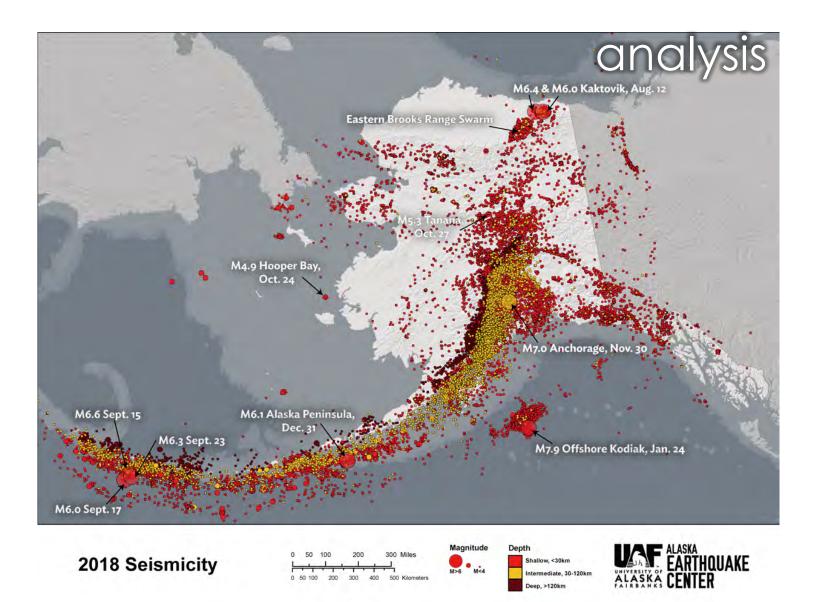




rapid assessment







who cares?



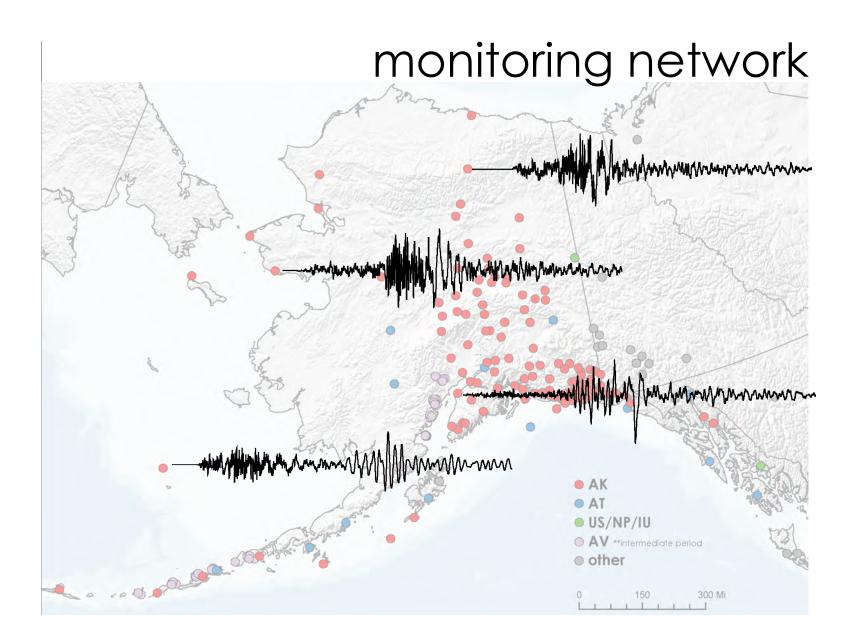
M. Tunseth, ADN

- → building codes
- → environmental review
- → insurance rates
- \rightarrow evacuation routes & shelters
- \rightarrow hazard mitigation plans



why we do it?

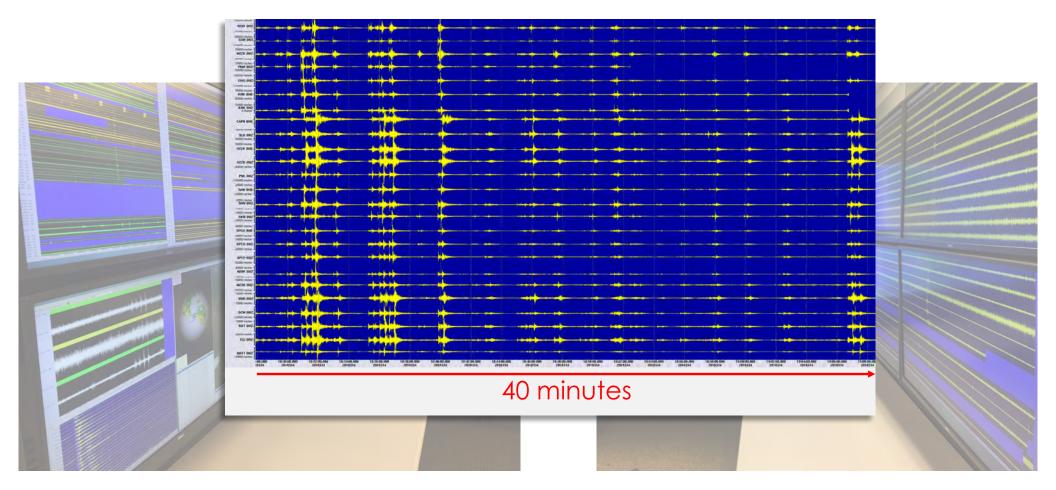
		HOUSE	BILLS & LAWS	SEARCHES	MEDIA CENTER	PUBLICATIONS	GET STARTED
- 1. C. W. Law . C. 177	islature(2015 Statutes 20			SEARCH		Display	?
S 14.40	.075						
Sec. 14	4.40.075. Ala	ska Earthou	uake and Vold	canic Hazar	ds Assessment	Project:	state
seismol							
	 Control of the state of the sta	ity of Ala	ska shall est	ablish an A	Alaska Earthq	uake and Vo	olcano
Hazards	Assessment P	roject with:	in the seismol	ogy program	of the geoph	ysical insti	itute.
The pro	ject shall						
	(1) collec	ct, record,	process, and	archive se	ismic d <u>ata or</u>	earthquake	es and
volcani	c eruptions in					ion ar	nd management
	(2) conduct	seismologi	cal studies r	elating to e	earthqua	~ + ~ + ~	
assessm				/	And the second se	state	seismologist
	(3) ev	aluate eart	chquake and v	volcanic se:	ismic d	rnina	earthquake
identif	ication and	assessment	of earthquake	e and volca	nic haz		curenquake
signifi	Cant FISK LO	cives and pi	ropercy in the	State;			
	the second se	start is the start of the second start of the	fficials, ind	and the second of the second s	しんし かえ 時 おいい しいもの たみ		
		nic risks a	and assist in	planning t	to reduce ris	sks to live	s and
propert	the second s	Section 2. All				. /	
	the second se	and a set of her side of the set of the	activities wit	the second se	The state of the second s	/ -	the second se
monitor			conduct resear	rch on eart	hquake and vo	lcano hazar	ds in
			fort				
order t	o avoid duplic	/	d management				terms and the second

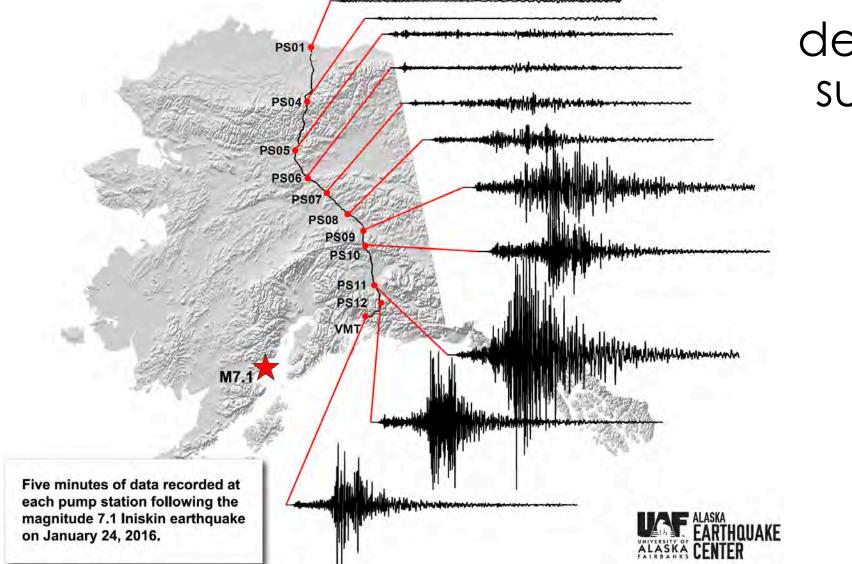


seismic station



Alaska Earthquake Center

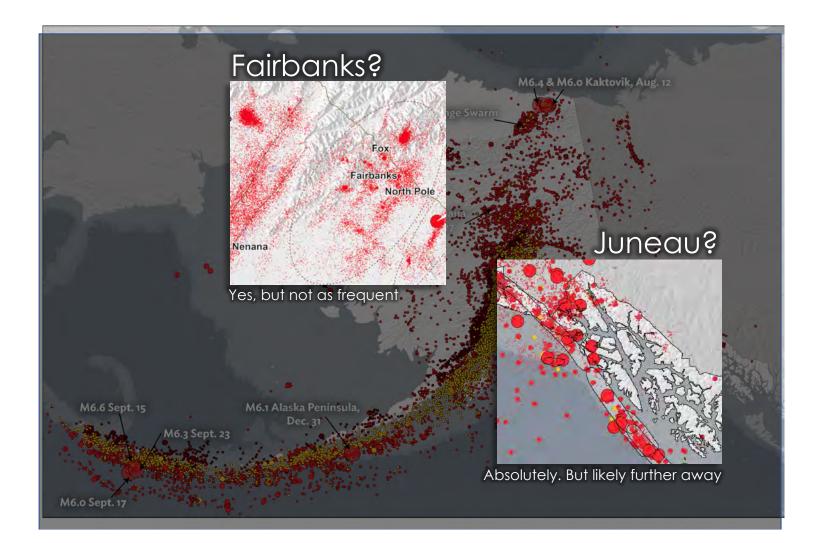




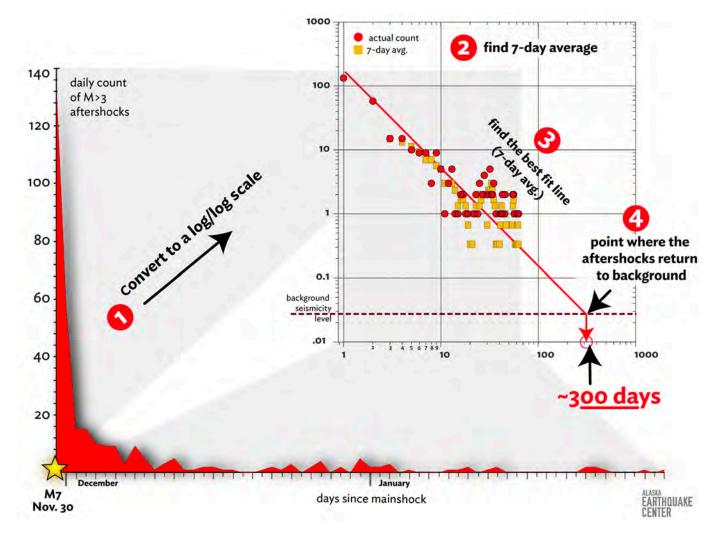
decision support

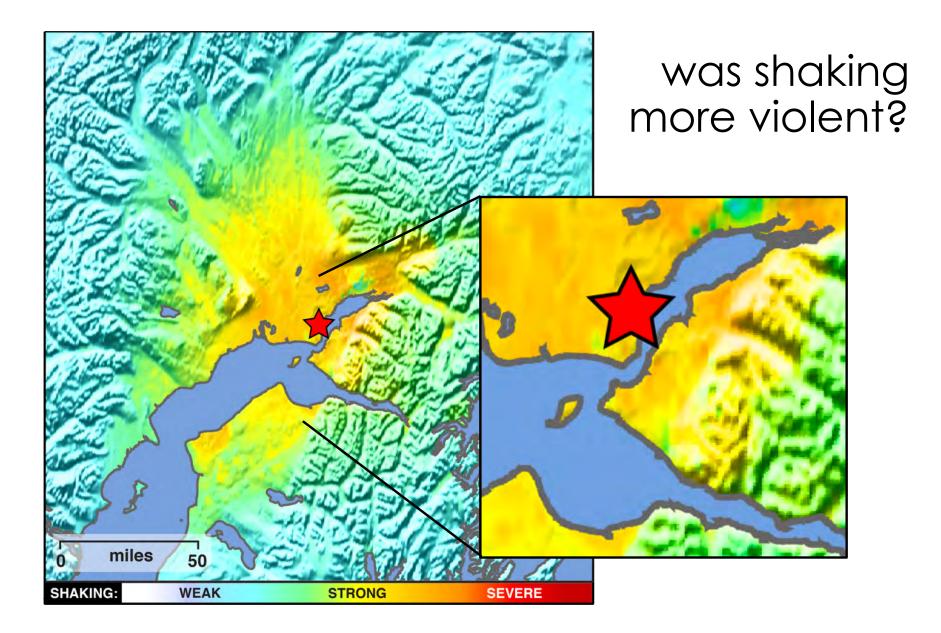


worst case?

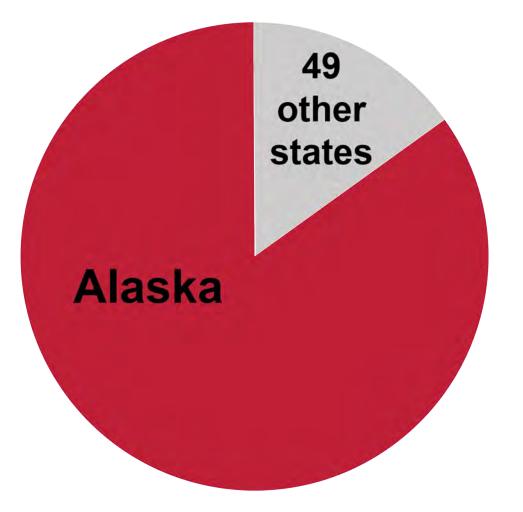


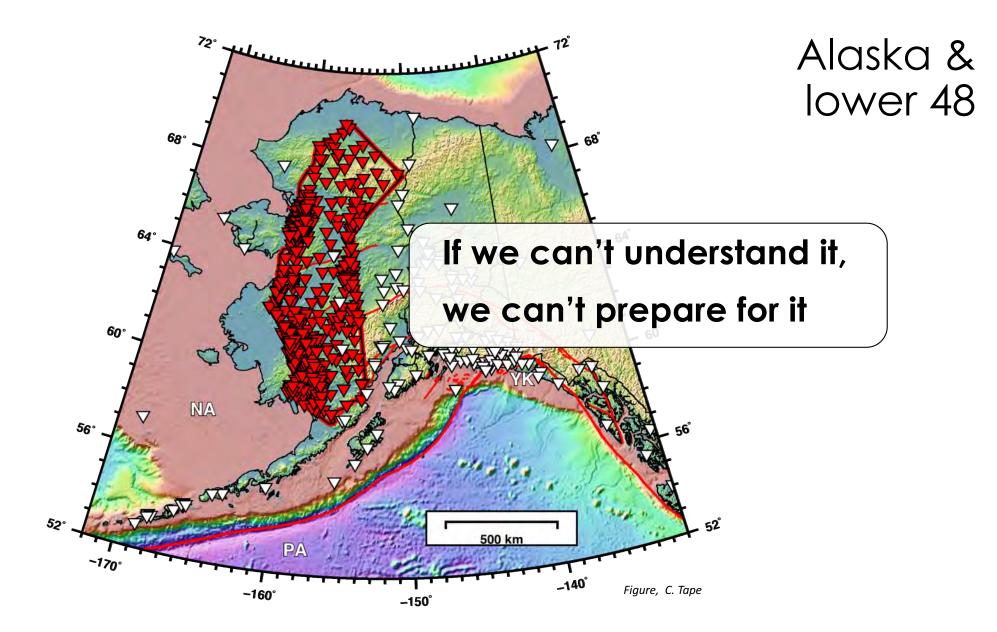
when will aftershocks end?



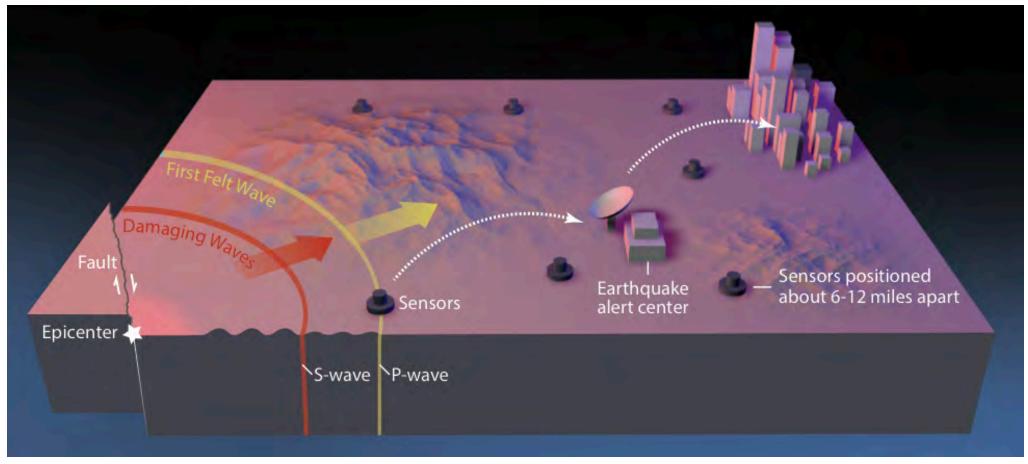


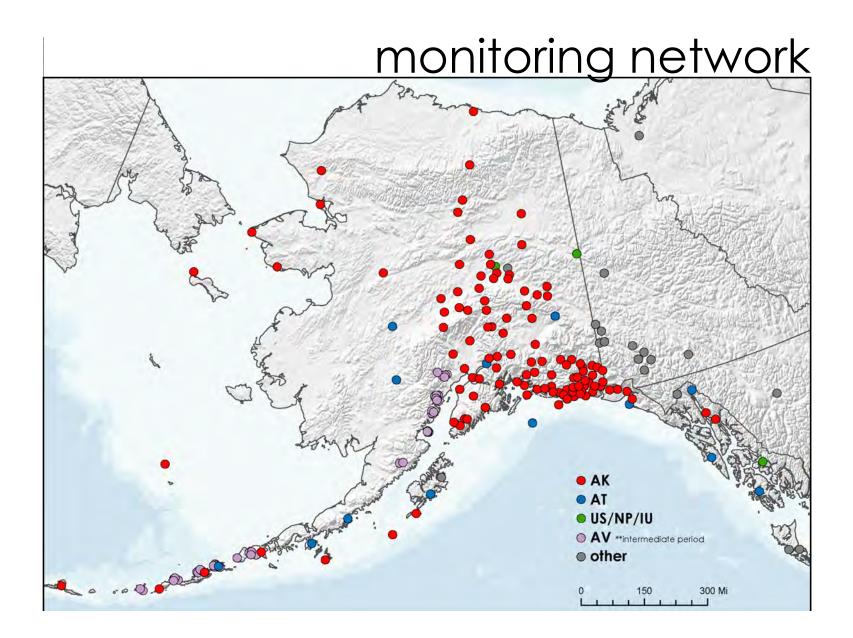
4 out 5 earthquakes



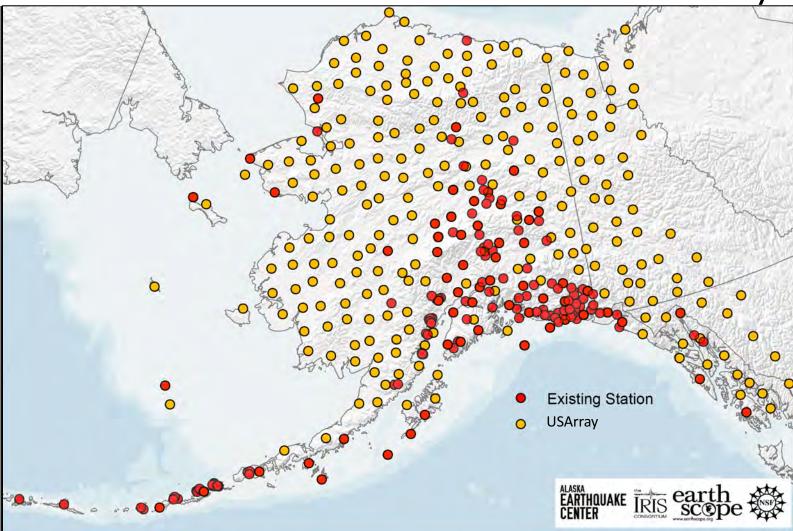


earthquake early warning





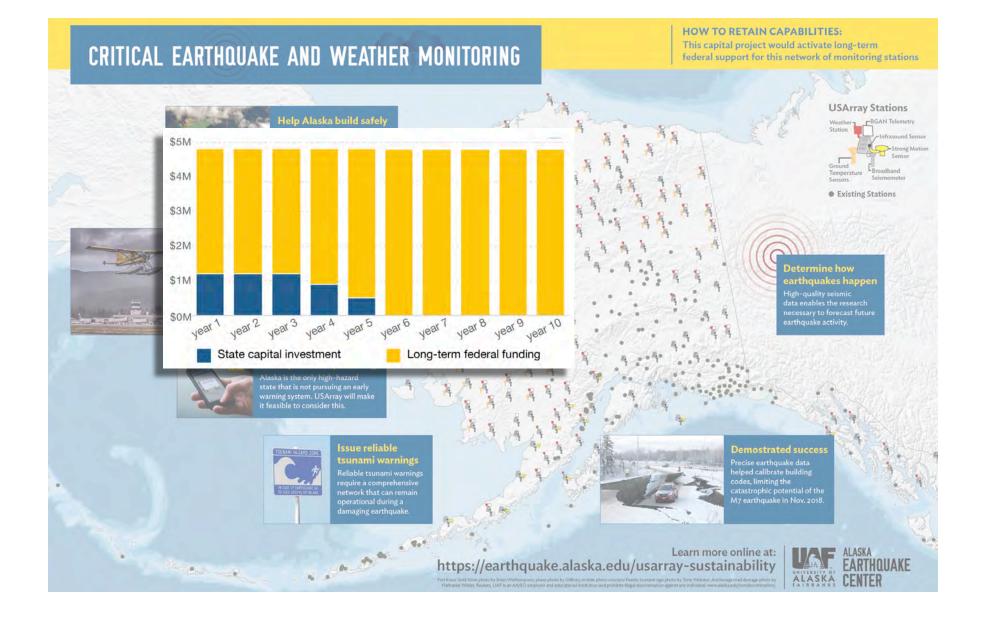
with USArray



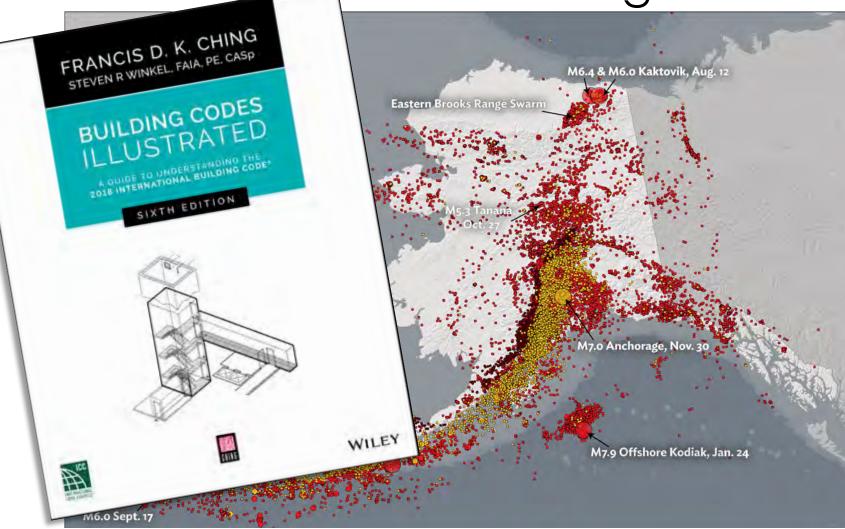
CRITICAL EARTHQUAKE AND WEATHER MONITORING

HOW TO RETAIN CAPABILITIES: This capital project would activate long-term federal support for this network of monitoring stations





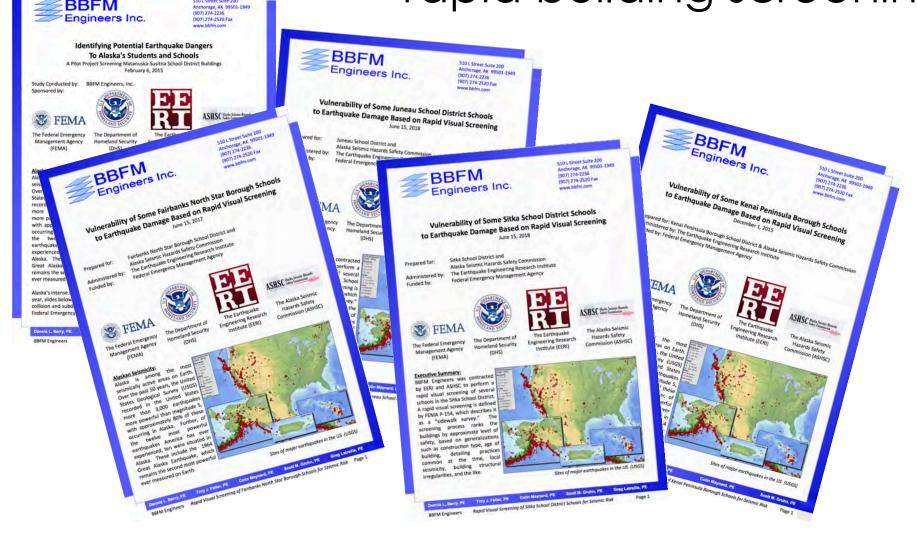
building codes



drop, cover, hold exercises



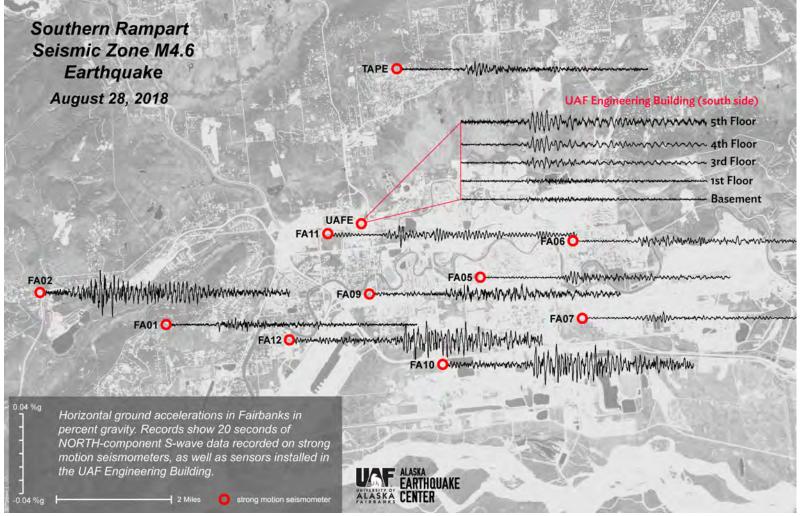
rapid building screening



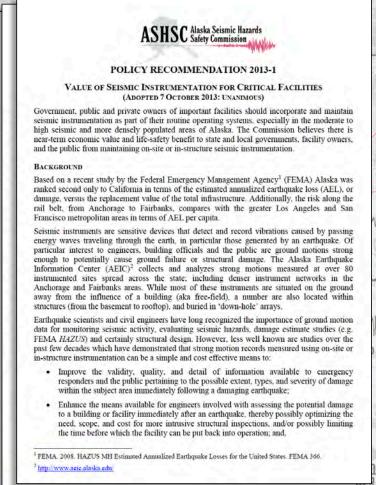
S101 Street Suite 200

BBFM

seismometers in schools



ASHSC policy recommendations



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