# Keith L. Knudsen USGS Earthquake Science Center

WSSPC Board Meeting

Thursday, November 15, 2018



#### What's New?

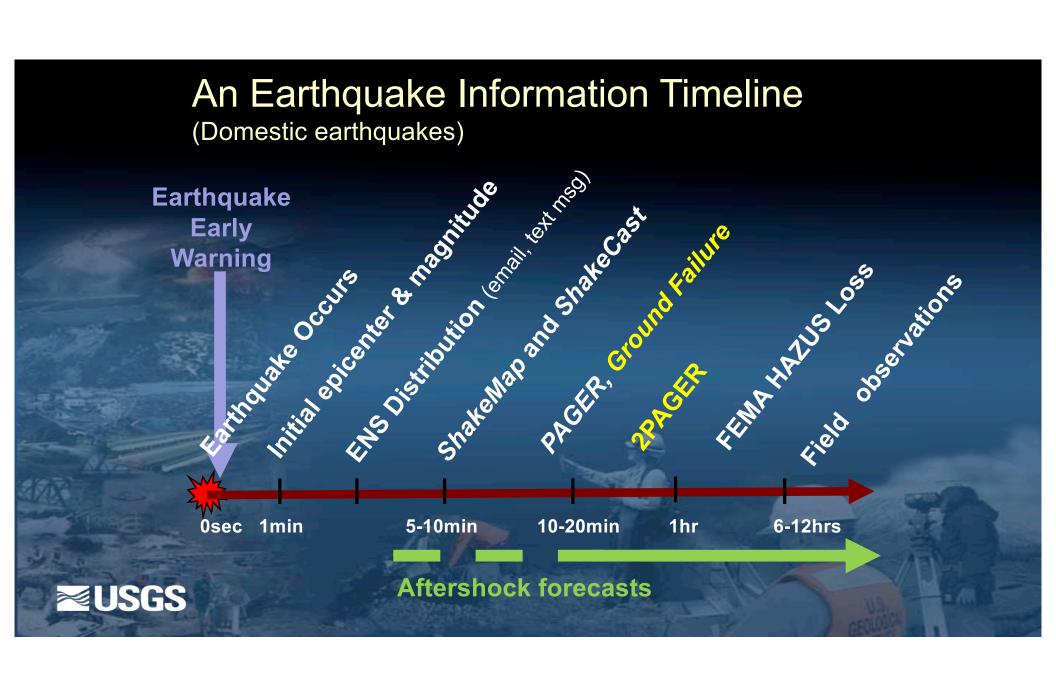
- Ground Failure Product
- OAF Product
- 2PAGER Product
- EEW Implementation Plan Updated
- EEW Research Plan Published
- EEW Hiring in key positions
- EEW "soft" Rollout begins Fall '18
- Haywired Rollout (April) and Vol. 2
- Hayward quake 150<sup>th</sup> anniversary

- SESAC Beroza to Chair
- ANSS SC Aster to Chair
- NEHRP Bills in House & Senate
- Move to Moffitt / Ames

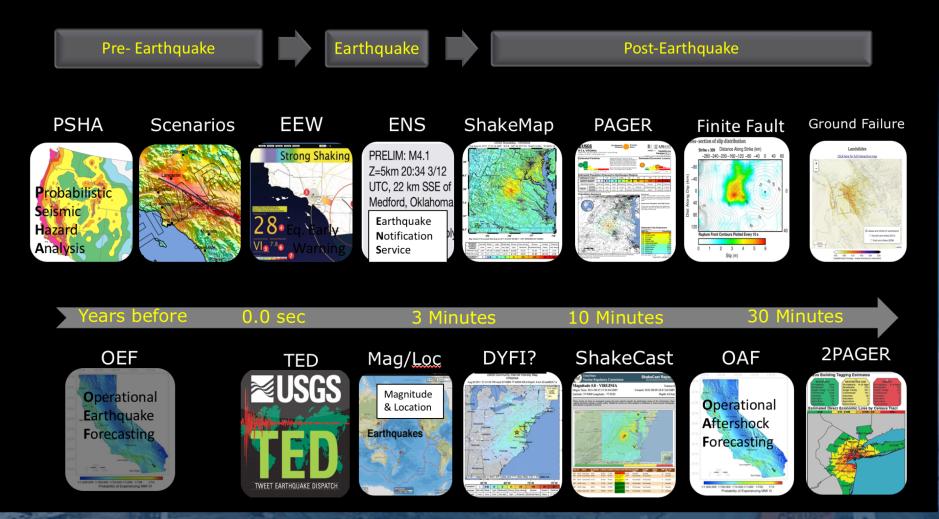


Senior Advisor for Earthquake and Geologic Hazards. Program Coordinator for the Earthquake Hazards Program, the Global Seismographic Network Program, and the Geomagnetism Program.





#### **USGS Earthquake Information System**

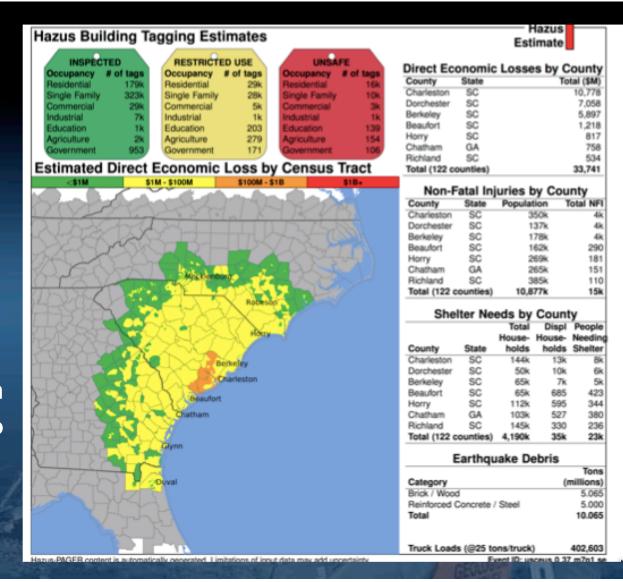


### **2PAGER**

Links PAGER's ground motion-based loss estimates to HAZUS inventories and postearthquake assessments, county by county

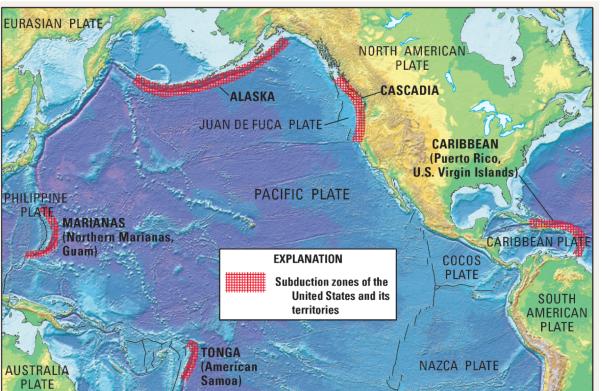
Charleston M7.1 scenario



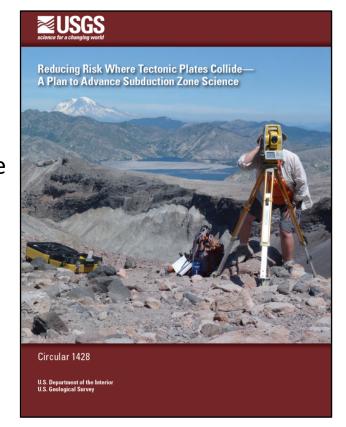


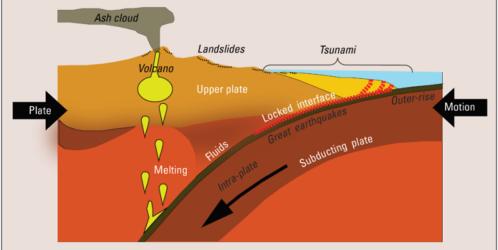
## Subduction Zone Science

- Initial discussions started with other federal agencies
- Ongoing work in EHP: Cascadia Recurrence Project, Queen Charlotte
   Fault mapping (with offshore work by USGS Coastal/Marine Program)
- Continued good coordination within NHMA & NSF (universities)

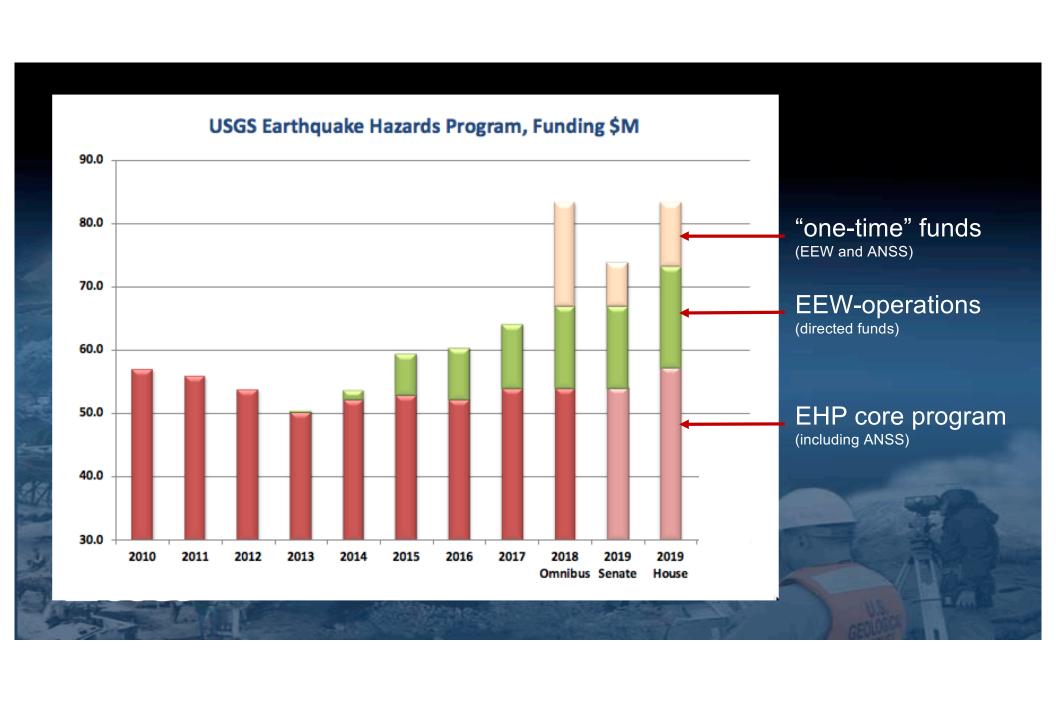


America's Subduction Zones









### **Comparison of House and Senate Marks for FY19**

gross funds \$M	FY17	FY18	FY19 H.R.	FY19 Sen.
EHP Base (incl. ANSS)	53.1	53.1	53.1	53.1
ANSS staffing	-	-	3.2	-
EEW base	10.2	12.9	16.1	12.9
Alaska RN ops.	1.0	1.0	1.0	1.0
EEW 1-time	-	10.0	5.0	-
ANSS 1-time	-	5.0	5.0	5.0
Alaska 1-time		1.4	_	2.0
	64.3	83.4	83.4	74.0



## Earthquake Hazards Program Regional & Topical Coordinators

Peter Haeussler - Alaska (AK)

Brian Sherrod - Pacific Northwest (PNW)

Kate Scharer - Southern California (SC)

Ryan Gold - Intermountain West (IMW)

Tom Pratt - Central & Eastern U.S. (CEUS)

Mark Petersen - National, hazard, and ground motion (NAT)

Nick Beeler - Earthquake ] hysics research (EP)

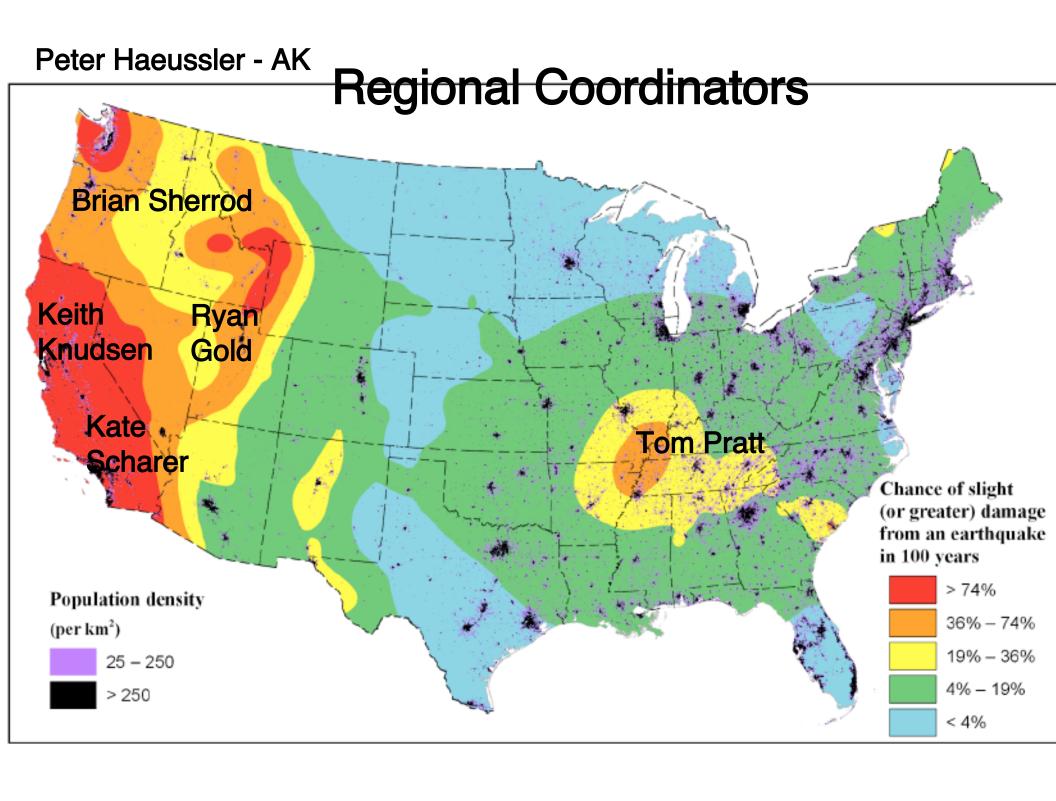
David Wald - Engineering • eismology and ampacts (ESI)

Ben Brooks - Geodesy (GN)

Keith Knudsen - Northern California (NC, acting)

Cecily Wolfe - ANSS





## Thank You

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