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Workshop for Teachers, Interpreters, and Emergency Management Educators October 9-12, 2015

Humboldt State University Arcata, CA

Primary room: Goodwin Forum, Nelson Hall East

Secondary rooms: Nelson Hall East Rm 106 & 113

Friday, Oct	tober 9 (Day 1)			
1	ate tectonics, earthquakes and tsunamis; Seismic and GPS monitoring: Earthquake and ami preparedness			
8:30	Breakfast (Served in Nelson Hall East Rm 106)			
9:00	Introductions: CEETEP, EarthScope, Participants, Instructors (Beth Pratt-Sitaula, Bob DeGroot) Please sit with your Action Team. Tables will be marked.			
10:15	Break (Coffee, tea, juice, snacks served in Nelson Hall East Rm 106)			
10:30	Beauty and the Beast: Plate Tectonics and Geological Hazards of the Pacific Northwest (Bob Butler)			
12:00	Thoughts/questions/reflection (Beth Pratt-Sitaula, Bob Butler)			
12:15	Lunch (Served in Nelson Hall East Rm 106)			
1:00	Basics of Earthquake and Tsunami Science and Hazards and Related Teaching Activitie (Bob Butler, Roger Groom, Beth Pratt-Sitaula)			
3:15	Break (Coffee, tea, juice, snacks served in Nelson Hall East Rm 106)			
3:30	Surviving a Cascadia Subduction Zone Earthquake (Lori Dengler, Bob DeGroot)			
4:30	Reflection, Questions, Implications (Facilitation Team)			
5:10	Forms: Reimbursements; Stipends; Photo Permissions; Logistics for Day 2 Field Trip (Bob deGroot, Beth Pratt-Sitaula)			
5:30	Adjourn			

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Saturday,	October 10 (Day 2)	Field Trip Activities				
Field Trip: Cascadia earthquake and tsunami geology; EarthScope GPS installation; Earthquake and						
	tsunami emergency planning					
	Beakfast (Served in the <u>Van Matre Hall Foyer</u> - NOTE DIFFERENT BUILDING!)					
	Walk to HSU campus GPS station					
8:05	Stop 1: GPS station P058 (Adam Woolace, Jay Patton, Beth Pratt-Sitaula)	GPS Station - Visit component of EarthScope Plate Boundary Observatory (PBO) and discuss how movements of Earth's surface tell us about earthquake hazard.				
8:45	Drive to Redwood National Park Information Center					
9:30	Stop 2 : Redwood National Park Information Center (Vicki Ozaki)	Native Peoples & Park Preparedness - Visit a interpretive center, learn about Native American oral history, and discuss park preparedness considerations.				
10:15	Drive to Lagoon Creek					
10:45	Stop 3: Lagoon Creek (Lori Dengler, Jay Patton)	<u>Tsunami Geology</u> - Discuss paleotsunami stratigraphy, tools of paleoseismology, and factors in tsunami deposit preservation. See a local core with tsunami deposit.				
11:15	Drive to lunch					
11:45	Lunch: Crescent City Community Center					
12:30	Stop 4: Evacuation Walk (Lori Dengler, Cindy Henderson)	<u>Tsunami Evacuation Route</u> - Includes time to think about and discuss hazards, infrastructure, and solutions. Experience of 1964 earthquake and how a Cascadia event would differ.				
1:30	Drive to Crescent City Harbor					
1:45	Stop 5: Crescent City Harbor (Lori Dengler, Troy Nicolini)	Harbor Tsunami Preparedness - Learn about past and recent tsunami in Crescent City, tsunami amplification, and the harbor retrofit.				
2:15	Drive back to Battery Point					
2:30	Stop 6: Battery Point (Lori Dengler, Vicki Ozaki)	Beauty and the Beast & Interpreting hazard topics - Discuss Cascadia fold & thrust belt, the Geologic Big Picture, and what happened in 1964 distant tsunami. Brainstorm about interpretive opportunities at parks and museums.				
3:00	Drive back to HSU					
4:30-5:00	Adjourn					

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Sunday, O	ctober 11 (Day 3)			
	arthquake and tsunami science and activities; Local tsunami preparedness; Native			
American o	ral histories; Pedagogical exchange among educators; Action Team planning			
8:30	Breakfast (Served in Nelson Hall East Rm 106)			
9:00	Cascadia Earthquakes and Tsunami and Related Teaching Activities (Bob Butler, Roger			
	Groom, Beth Pratt-Sitaula)			
	Please sit with your Action Team. Tables will be marked			
10:30	Break (Coffee, tea, juice, snacks served in Nelson Hall East Rm 106)			
10:45	Cascadia Earthquakes and Tsunami and Related Teaching Activities (Bob Butler, Roger			
	Groom, Beth Pratt-Sitaula)			
12:00	Thoughts/questions/reflection (Facilitation team)			
12:15	Lunch (Served in Nelson Hall East Rm 106)			
1:00	Tsunami: Are You Ready? (Troy Nicolini)			
1:45	Native American Oral Histories (Vicki Ozaki)			
2:30	Birds-of-a-Feather Breakouts: How do I relate earthquake/tsunami science and			
	preparedness to my learners at my venue? (Interpreters: Bob DeGroot & Vicki Ozaki;			
	EM Educators: Beth Pratt-Sitaula & Troy Nicolini; <u>Teachers</u> : Bob Butler, Roger Groom)			
3:15	Break (Coffee, tea, juice, snacks Nelson Hall East Rm 106)			
3:30	Science Storytelling through Interpretation: CEETEP team presents example of a skit			
	that educates on science and preparedness while having fun.			
3:45	Storytelling as a means for change: Newly published elementary-level book on the			
	Japan tsunami boat story (Lori Dengler)			
4:00	Exchange of Pedagogies: Working Together in Coastal Communities to Engage			
	Students, Visitors and Residents on Earthquake and Tsunami Science and Preparedness (Beth Pratt-Sitaula)			
4:30	Action Teams: Teams work on Community Educational Project on earthquake and			
	tsunami science and preparedness. They will present their project plan during Day 4 of			
	this workshop, and the results of implementation at the March 5, 2016 Share-A-Thon in Brookings, OR.			
5:30	Adjourn			

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Monday, O	Monday, October 12 (Day 4)						
Community action plans		i preparedness; Action Team pr	esentations and post-workshop				
8:30	Breakfast (Served in Nelson Hall East Rm 113)						
9:00	Digital Resources (Beth Pratt-Sitaula, Bob DeGroot)						
9:55	Preparedness for Post-Event Personal and Community Survival (Dorie Lanni)						
10:40	Break (Coffee, tea, juice, snacks served in Nelson Hall East Rm 113)						
10:55	Break Out Sessions	Goodwin Forum Tsunami Vertical Evacuation Structures (Roger Groom) Teachers	Room 106 Hazard Inventory (Beth Pratt-Sitaula, Dorie Lanni) Interpreters & EM Educators				
11:40	Switch between breakout sessions						
11:45	Break Out Sessions	Goodwin Forum Tsunami Vertical Evacuation Structures (Roger Groom) Interpreters & EM Educators	Room 106 Hazard Inventory (Beth Pratt-Sitaula, Dorie Lanni) Teachers				
12:30	Lunch (Served in Nels	son Hall East Rm 113)					
1:15	Action Teams: Final preparations for presentations and discussion about the task, schedule, and logistics for each Action Team to develop their March 5, 2016 Share-a-Thon products.						
2:30	Action Teams: Present their ideas for development of Community Educational Programs on earthquake/tsunami science and preparedness. 15 minutes total per group (10 minutes presentation; 5 minutes discussion). Groups are encouraged to model how they will present specific concepts in different educational settings.						
3:45	Break (Coffee, tea, juice, snacks served in Nelson Hall East Rm 113)						
4:00	Post-Workshop Assessment (Michael Coe, Beth Pratt-Sitaula). Focus groups will be held by educator type (teachers, interpreters, EM educators). When you are not in a focus group, you will be taking the post-workshop survey.						
5:30	Adjourn						