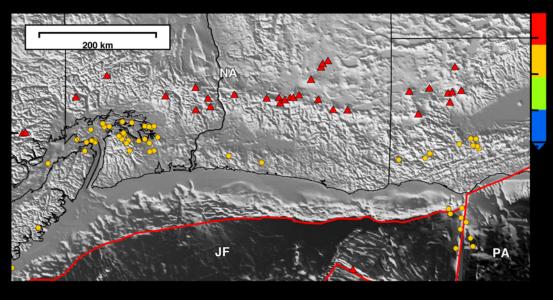
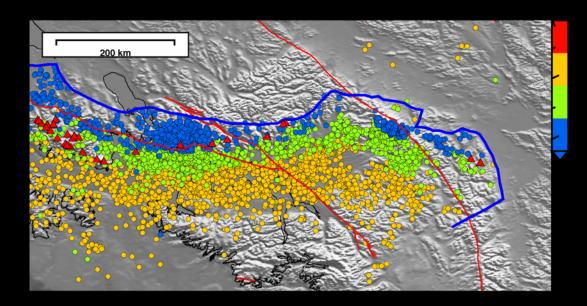


### Will you feel an earthquake?

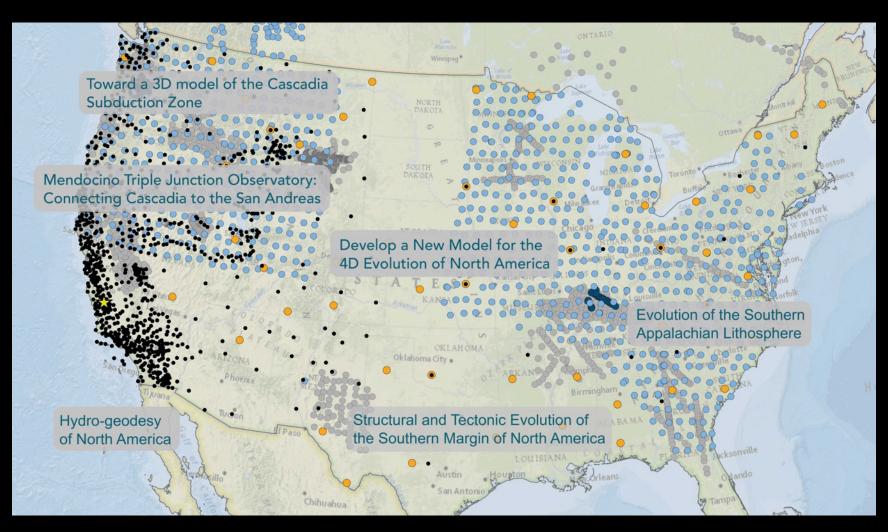








## Synthesis Workshops





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Driving the Dempster

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#### **Driving the Dempster**

The Transportable Array deploys along a remote Canadian "highway"



by Andy Frassetto - Fall 2016

In summer 2016, instruments of the Transportable Array (TA) were deployed along the Dempster Highway, which traverses vast wilderness in the Yukon and Northwest Territories of Canada. The Yukon is a region larger than the state of California, with a population of around 35,000 people and a few major roads providing direct access to only a small part. The Dempster is one of these, an engineering feat that traverses 736 km of gravel berm built over two decades to serve Canada's economic interests along the Arctic Ocean. The road overlies permafrost in many places, requiring constant maintenance, and is subject to periodic closures due to washouts and avalanches. Near its northern extent, summer ferry crossings and winter ice roads substitute for bridges.

The remoteness of this stretch of road is the exact reason that Jeremy Miner and Andy Frassetto from IRIS, along with Jim Coates and Astrid Grawehr of Darkside Drilling made their way northward from Whitehorse, Yukon in two pickup trucks, a flatbed, and a drill rig on August 21. En route to the active gold rush town of Dawson City, Jeremy and Andy upgraded a communications relay at TA.M30M, and the next day the group drilled and installed new station TA.K29M. Embarking on the Dempster the following morning, they installed two new, complete stations TA.G30M and TA.F31M

### W

Research



Education



**Public** 

#### Notifications and Events

12-02 | Synthesis STESMA application

12-12 | 12-15 AGU Meeting 2016

12-14 | ES Science and Synthesis Town Hall

#### From this Issue

Fall Creek, Oregon

Driving the Dempster

Watching a Volcano Breathe

The Multi-Chambered Heart of Mount St. Helens

Fall 2016 Education Corner

#### Related Articles

EarthScope and Place-Based Education

Triangulation Point, Oregon

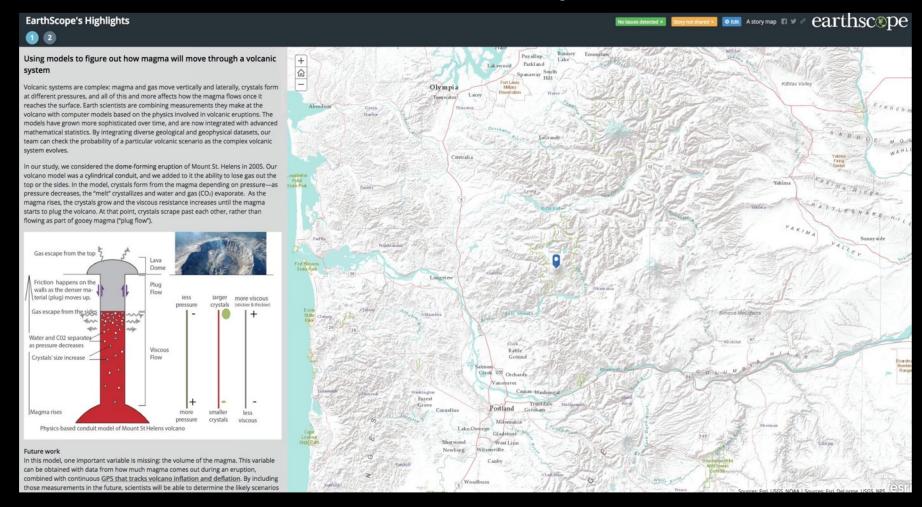
Crustal Strength Profiles Across the Brittle-Ductile Transition

New Active Earth Monitor Content Set

A Coast-to-Coast View of the Mantle Beneath the United States

### Science Nuggets

## We want to feature your science



#### Humans of EarthScope

## We want to feature you!

"I love that my job allows me to directly impact people's lives." — I iz Vanacore



"My research has taken me to Rwanda, Burundi, Ethiopia, Tanzania, Malawi."

— Cynthia Ebinger





"Field work brings out the thirteenyear old adventurer in everyone!"

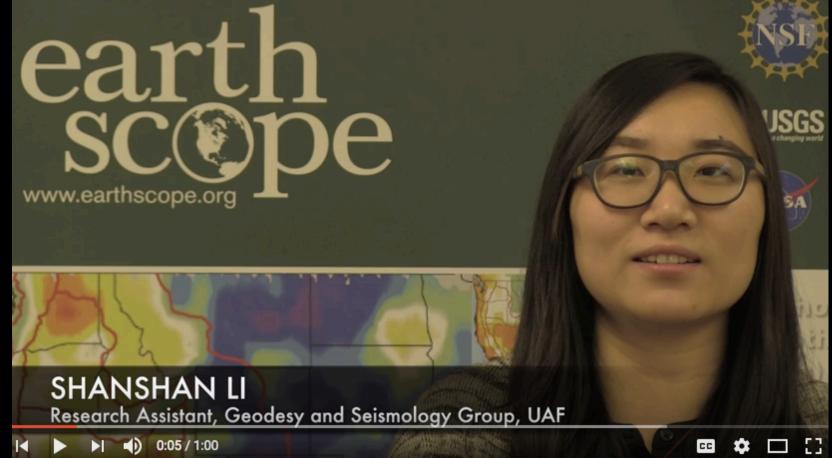
— Vadim Levin

# **Humans of EarthScope**

www.earthscope/public/HuofES

### I Use EarthScope Science

Look for a camera at the back of lobby, 2-3 pm today





## Apply to Host a Speaker

Applications now open, close July 1

- Julie Elliott
- Karen Fischer
- Rebecca Flowers
- Beth Pratt-Sitaula
- Carl Tape







## Gauge the Impact of E&O

- The EarthScope E&O Subcommittee created a survey to gauge the impact of EarthScope Education and Outreach efforts across NSF-funded EarthScope projects. We ask that Principal Investigators or Co-Principal Investigators:
  - provide some basic project information,
  - answer a few questions related to the impact and scope of your education and outreach efforts
  - share the successes and challenges of your efforts.
- The survey has been sent to all conference participants plus to the EarthScope listserv.

## Overview Day 2

- Morning
  - Subduction Zone Structure and Deformation
  - Alaska (part 1)
- Lunch talk: Mike West, "Is EarthScope Really a Benefit for Hazards Monitoring?"
- Afternoon
  - Alaska (part 2)
  - Outside the EarthScope Footprint
- More poster time
  - Posters taken down by 9 pm