

--- JOIN THE MEETING ---

WebEx Connection

Meeting Number: **745 463 886**

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Conference Call

Phone #: **877-346-9853**

Participants Code: **3128645#**

--- MEETING AGENDA ---

- 1. Welcome & Introductions** (Ryan Cooper / Peter Bonsall/Kerry Shakarjian) 5 min.
- a. **Please use the WebEx chat to enter:**
 - i. Your First/Last Name
 - ii. Your Organization and/or National Trail Affiliation
 - iii. Select send to: EVERYONE
 - iv. Your Answer to: **What should be our network focus for the upcoming meeting topics and presentations? Will you present or help locate presenters? Are there any topics you'd like to see this group discuss or cover in 2018?**
 - b. Meeting agendas, presentations, and notes are uploaded to the PNTS website. Please feel free to contact Ryan Cooper, Peter Bonsall, or Kerry Shakarjian and we would be happy to share these items with you.

- 2. Announcements & Information from Audience** 5 min.
- a. ESRI Federal User Conference, Washington D.C. – January 29-30, 2019.
 - b. Updates from the PNTS Conference in Vancouver, WA in October.

- 3. Discussion Topic** 45 min.
- Presenters: Peder Nelson, Oregon State University**

A new citizen science tool for mapping and monitoring the National Trail System with the GLOBE Observer mobile app

Citizen science is a great way to help trail users to connect with and learn about the environment while making useful contributions to science and land management. In this presentation, I will introduce the GLOBE Observer (GO) citizen science project and explore how it could be used for the mapping, measuring, and monitoring of the National Trail System.

What is GLOBE Observer (GO)?

With the free GLOBE Observer mobile app, recreationists use their smart phones to make observations with photos and text about the environment, wherever they find themselves. These data are geographically linked to satellite images and provide more details of Earth's surface than we tend to get from satellites. They can compare their observations to those of others around the world. Importantly, land managers can use the submitted data to improve their own geospatial data, outreach activities, or engage new trail users. Scientists are using this data to improve maps of forest recovery after fires, tracking invasive species, and monitoring trail conditions.

The Global Learning and Observations to Benefit the Environment (GLOBE) Program is an international science and education program that provides students and the public worldwide with the opportunity to participate in data collection and the scientific process, and contribute meaningfully to our understanding of the Earth system and global environment. It is sponsored by the U.S. National Aeronautics and Space Administration (NASA) with support from the National Science Foundation (NSF), National Oceanic and Atmospheric Administration (NOAA) and Department of State. . The app is free from the App Store and Google Play. Once downloaded, data can be collected while offline. <https://observer.globe.gov/>

- 4. Future Meeting Dates & Topics** 5 min.
- a. **Dec 18, 2018** – No call this month, enjoy the holidays!
 - b. **Jan 15, 2019** – Ryan Abrahamsen, Terrain 360
 - c. **Feb 19, 2019** – TBD

We always welcome suggestions for additional topics for discussion or presentations. Please contact Ryan Cooper, Peter Bonsall, and/or Kerry Shakarjian with your suggestions!

NTS GIS Email Address: ntsgis@nps.gov

NTS GIS Network Email List: ntsgis@webmail.itc.nps.gov

NTS GIS Network Website: <http://pnts.org/new/national-trails-system-gis-network/>

NTS GIS Network Mission:

We established the NTS GIS Network as a way to connect the diverse array of National Trails System staff and partners who use GIS systems and products in their work. One of our goals is to facilitate the sharing of information and tools that help us do our jobs more efficiently and innovatively. Because the national trails system is managed as a collaboration of agencies and partner organizations, the NTS GIS Network is open to anyone.