

--- JOIN THE MEETING ---

WebEx Connection

Meeting Number: **745 463 886**

Meeting Password: **NtsNts11!!**

To start or join the online meeting, go to:

<https://mmancusa.webex.com/mmancusa/j.php?MTID=m83f87ea2700a4a9298a1be5777301782>

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 2019?**
 - 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. Natural Resources Management Act extends the existing Lewis and Clark NHT, reroutes a portion of the North Country NST
 - b. NPS Director's Order 45 Reference Manual has been released

- 3. Discussion Topic** 45 min.

Presenters: Ryan Abrahamsen, Terrain 360

Using Geospatially Referenced Machine Learning for Invasive Species Detection in a 360° Virtual Tour.

This presentation will cover Terrain 360's project utilizing Machine Learning to detect invasive species (Phragmites Australis) in geospatially referenced 360° images, crowd sourced imagery, and drone imagery. The presentation will also briefly showcase the 360° virtual tour of the Huron River, a national designated water trail.

- 4. Future Meeting Dates & Topics** 5 min.
 - a. **April 16, 2019** – Don Owen, PNTS, Gap Analysis on National Scenic and Historic Trails
 - b. **May 21, 2019** – Matt Able, US Forest Service, Survey 123 app for trail maintenance
 - c. **June 18, 2019** – Greg Matthews, USGS, increasing connectivity with the network of trails on public lands

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.