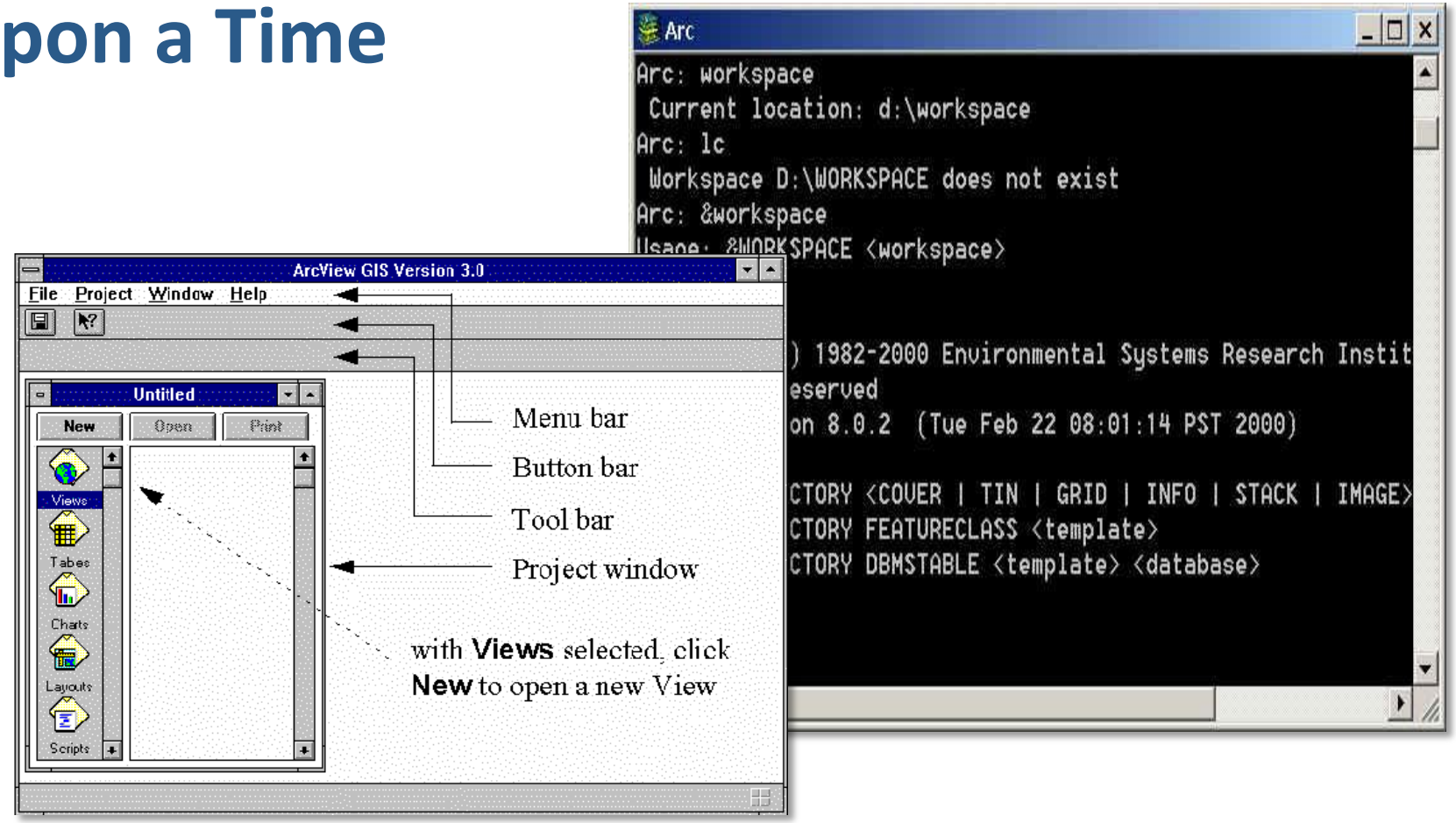
Raised the Bar, Now Jump Over It

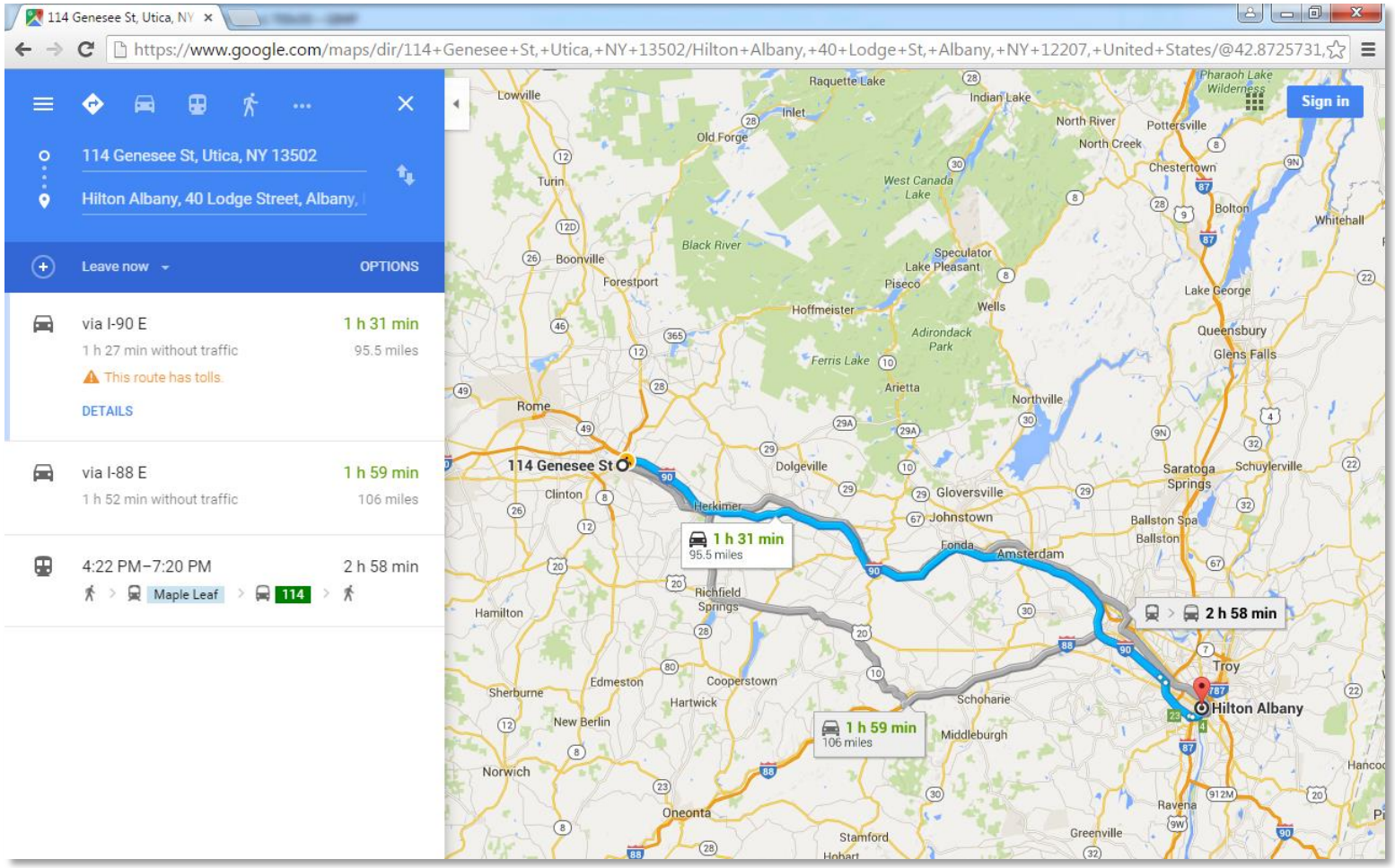
Linda Rockwood and David Vail, Mohawk Valley GIS

Once Upon a Time



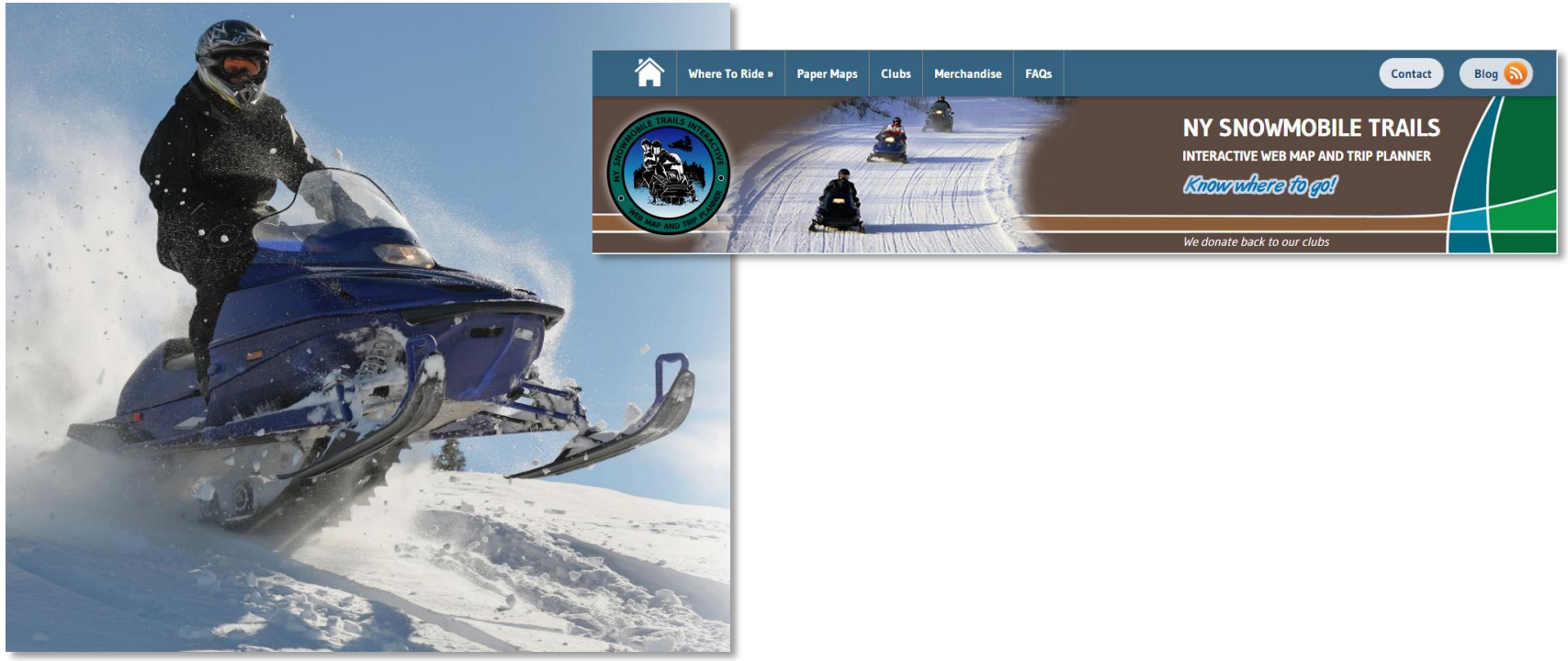
And then, they came

Today


114 Genesee St, Utica, NY
https://www.google.com/maps/dir/114+Genesee+St,+Utica,+NY+13502/Hilton+Albany,+40+Lodge+St,+Albany,+NY+12207,+United+States/@42.8725731,
114 Genesee St, Utica, NY 13502
Hilton Albany, 40 Lodge Street, Albany,
Leave now
OPTIONS
via I-90 E
1 h 31 min
1 h 27 min without traffic
95.5 miles
This route has tolls.
DETAILS
via I-88 E
1 h 59 min
1 h 52 min without traffic
106 miles
4:22 PM–7:20 PM
2 h 58 min
Maple Leaf
114
Sign in
114 Genesee St
1 h 31 min
95.5 miles
1 h 59 min
106 miles
2 h 58 min
Hilton Albany

NY GeoCon
2015

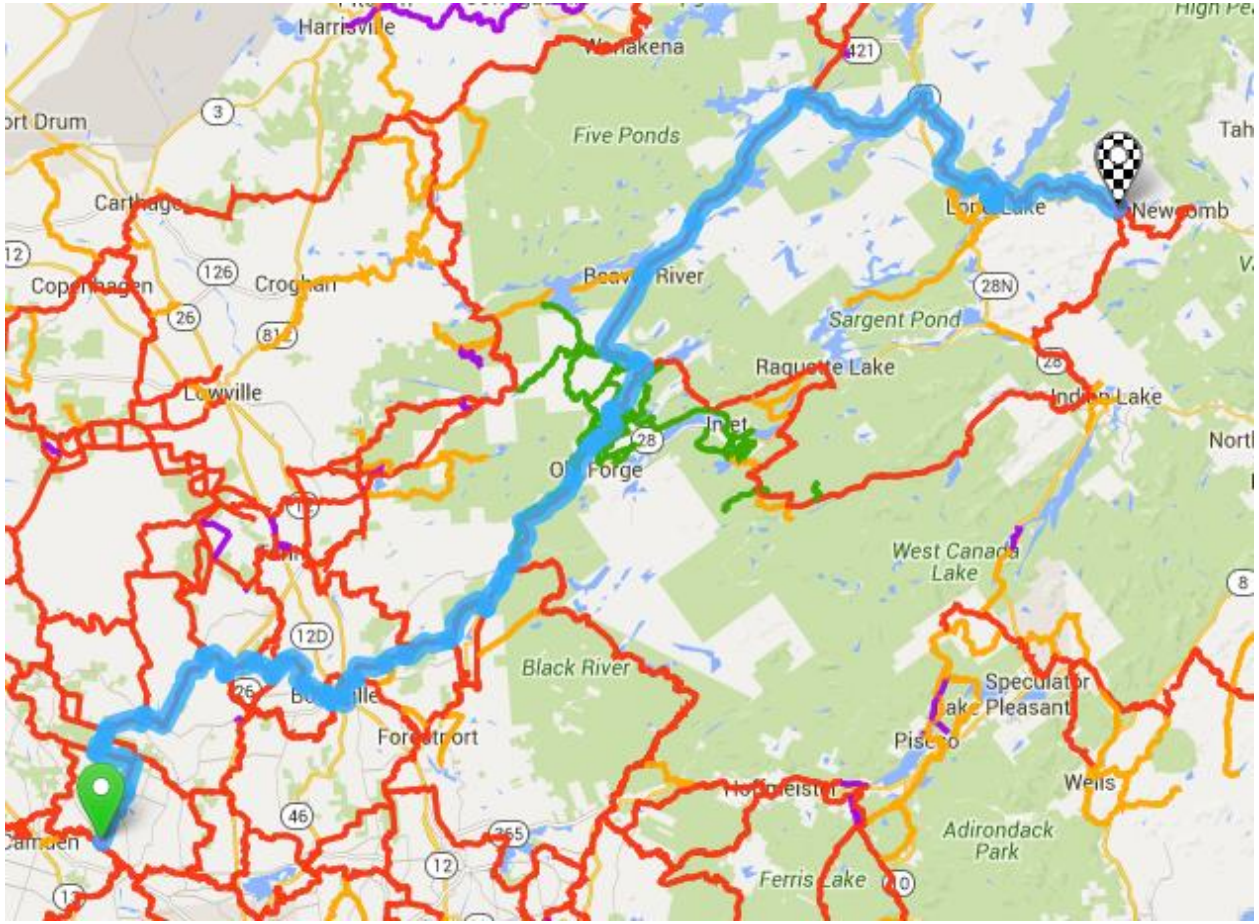
Over 100,000 voices



Capitalize on variety of tools

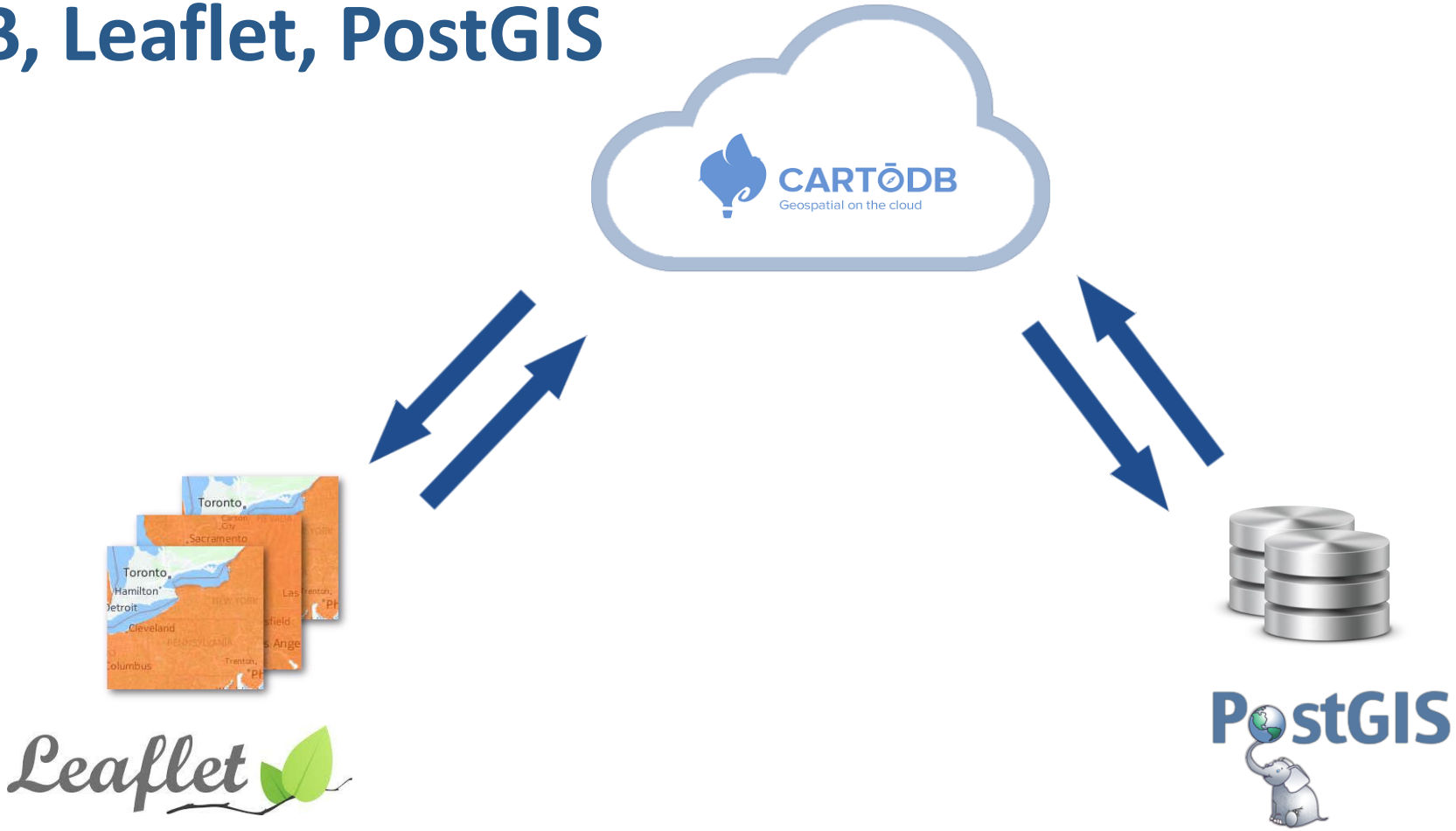
Google for Inspiration

Photo credit: Snowmobile Association of Massachusetts

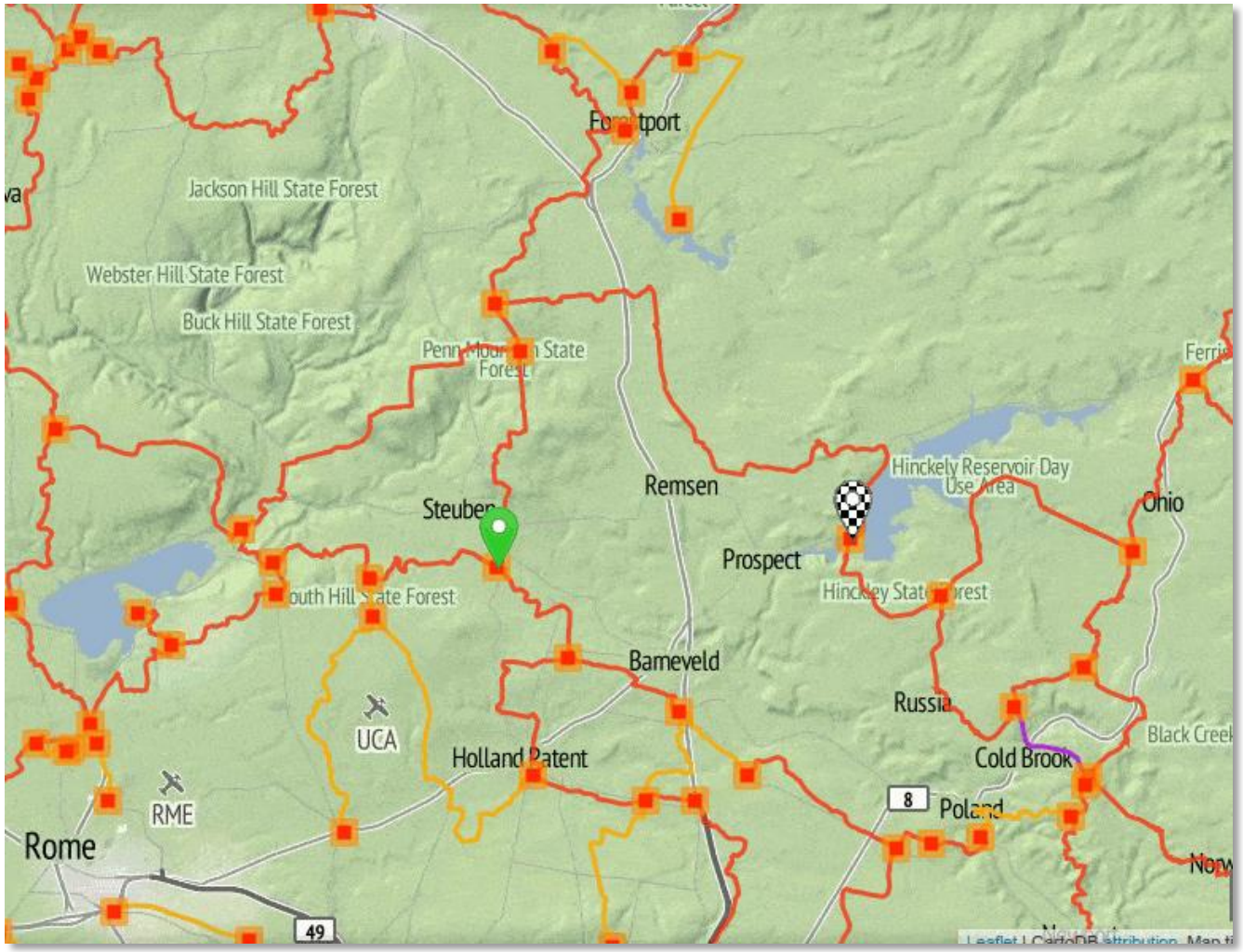


User selects points, route is mapped

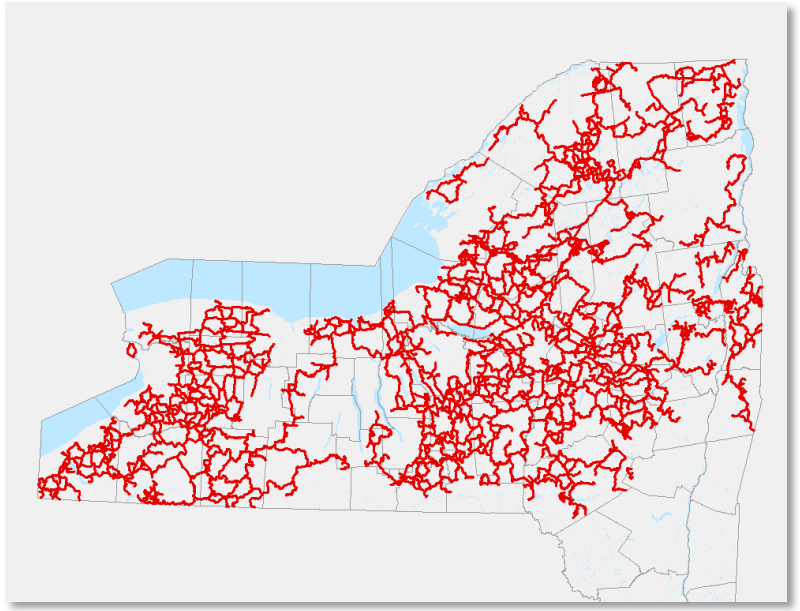
CartoDB, Leaflet, PostGIS

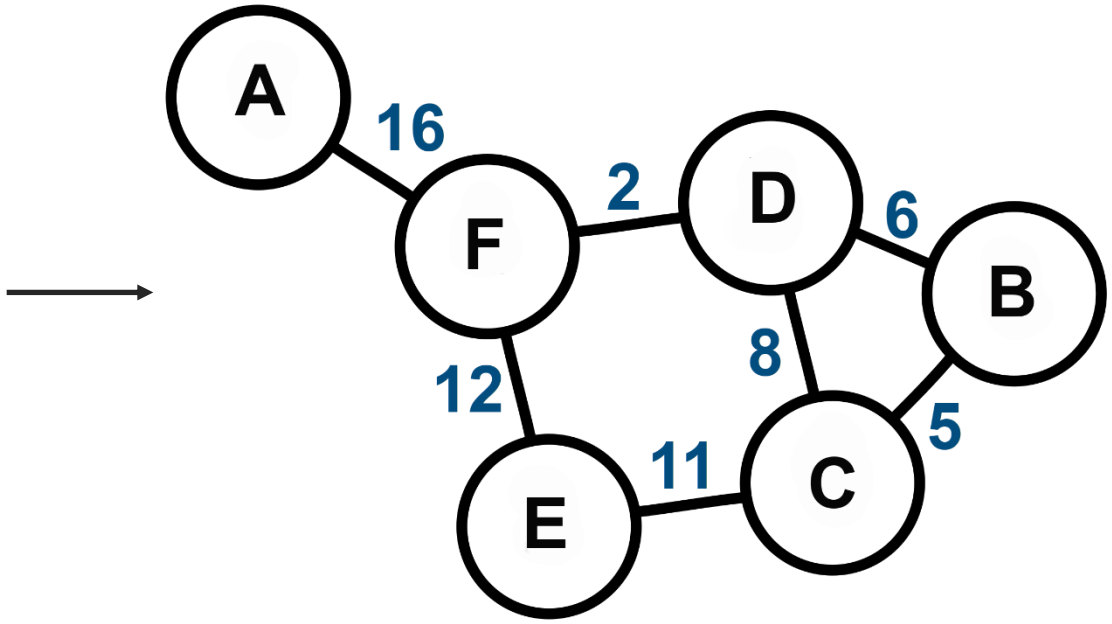


Route Planning Algorithm

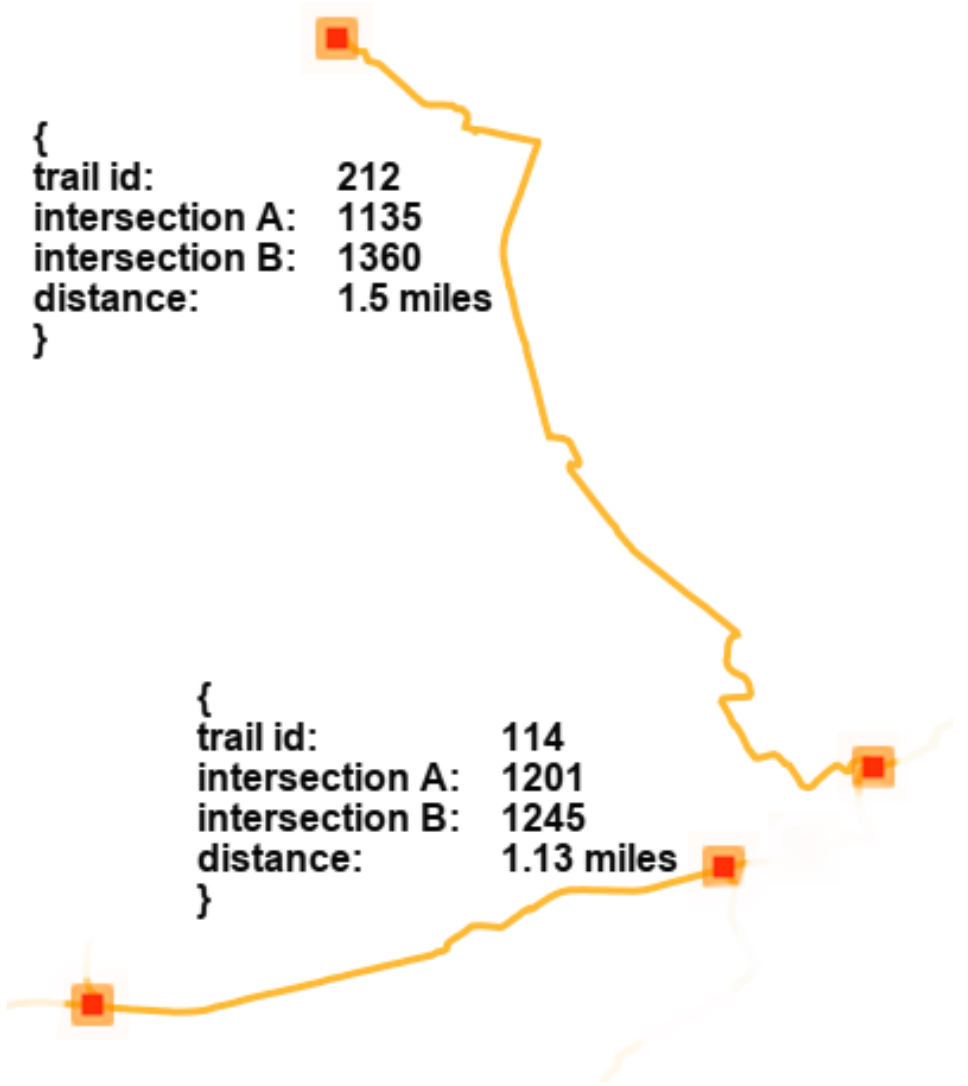


Convert Trails to Graph

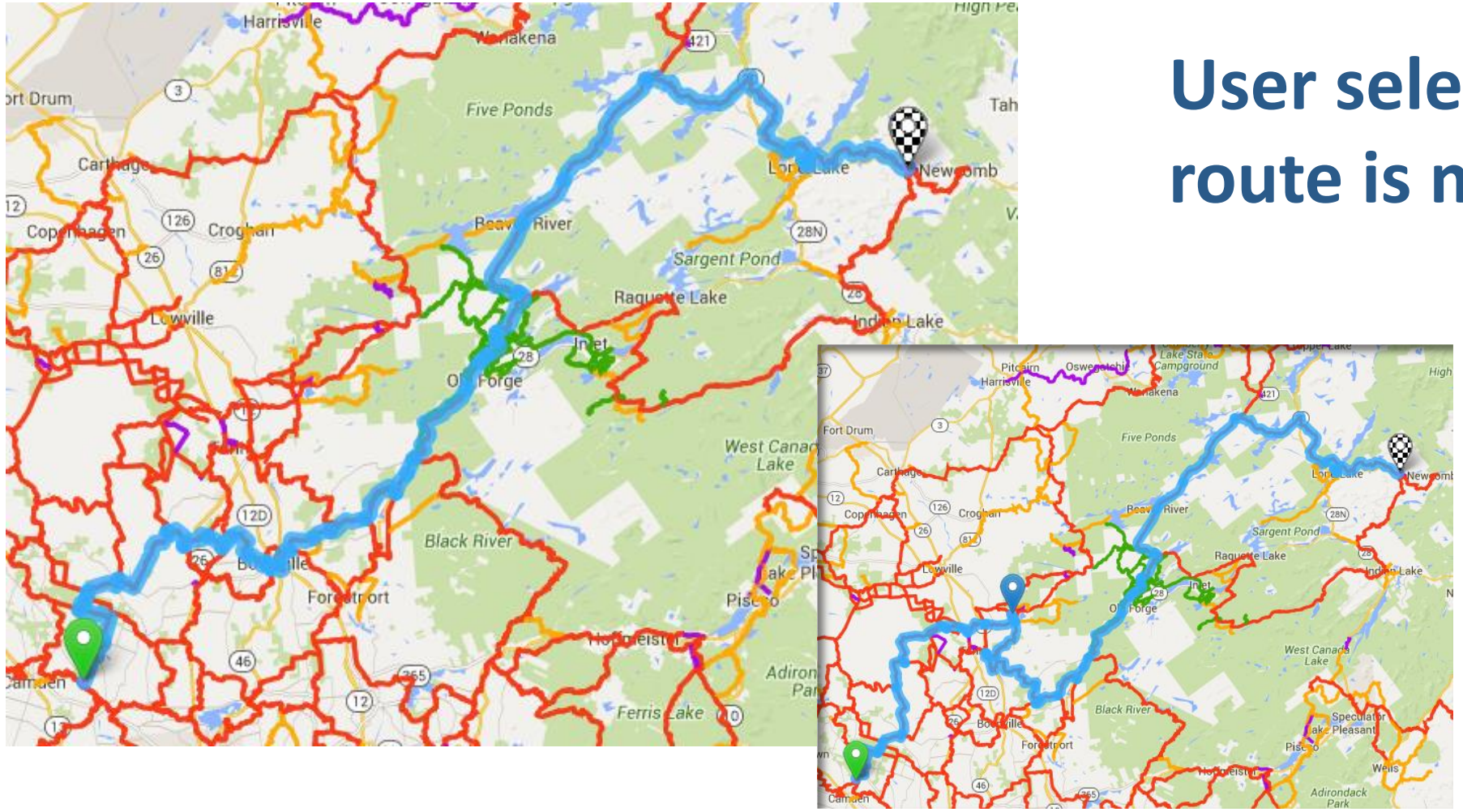




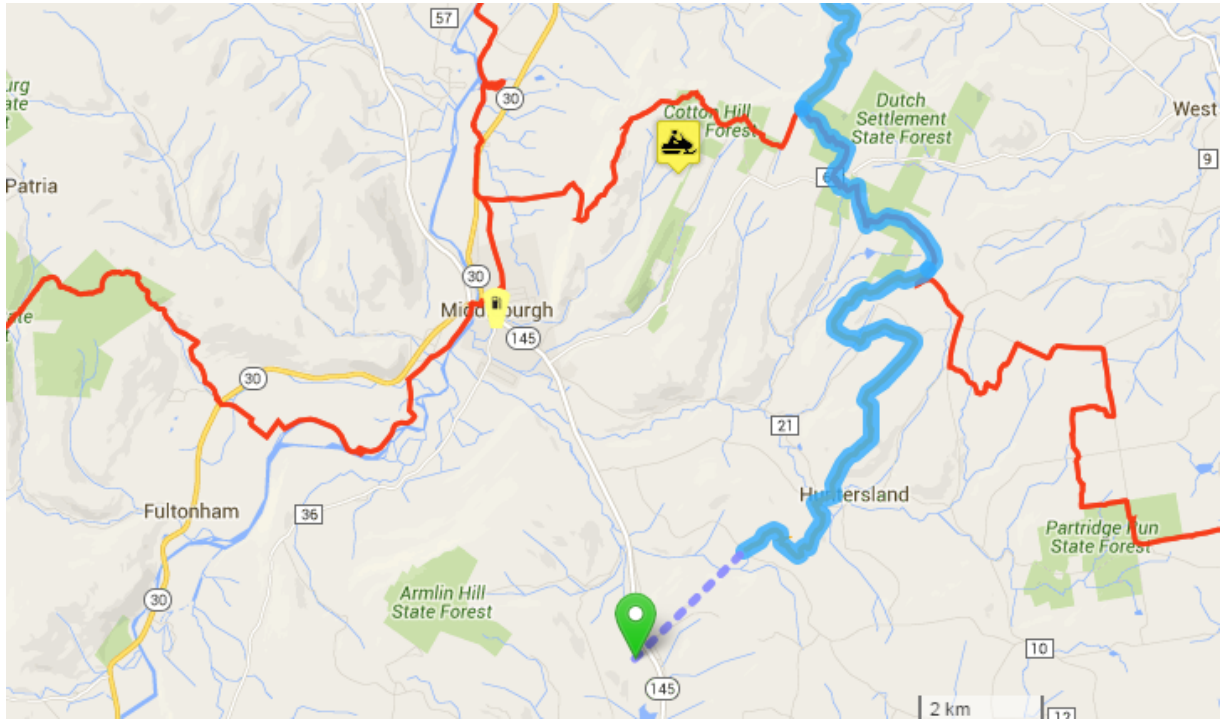
Graph representation



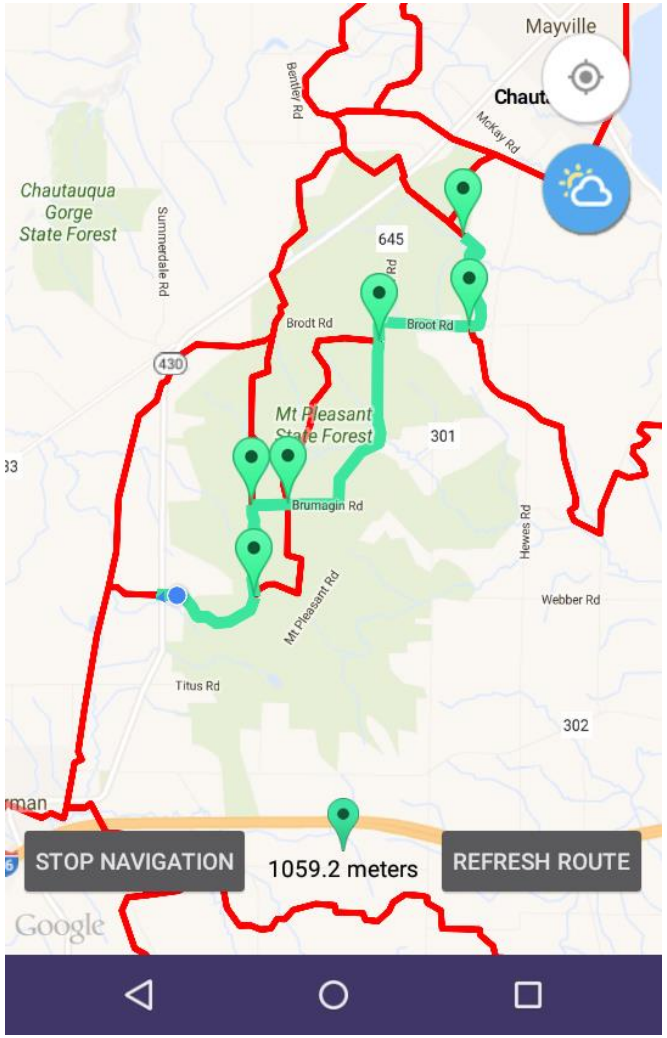
User selects points, route is mapped



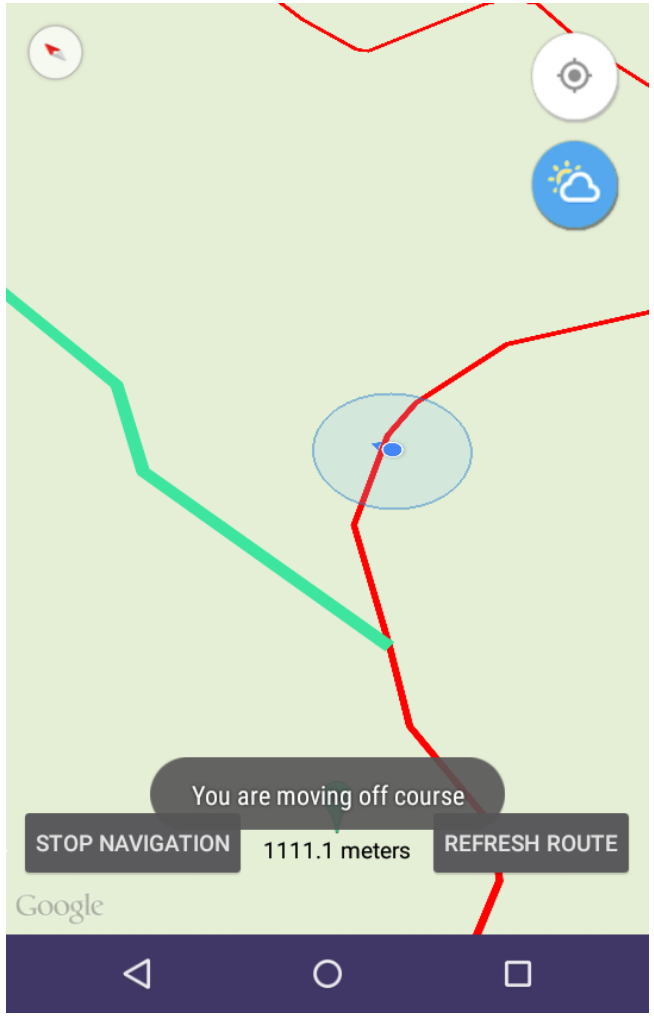
Points do not need to be on the trail

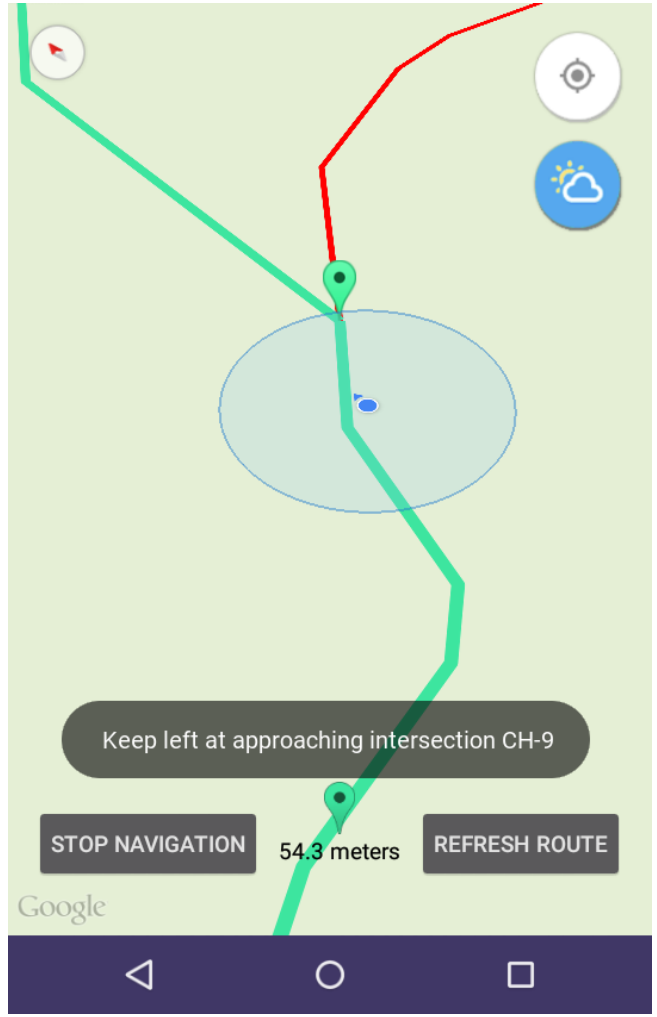


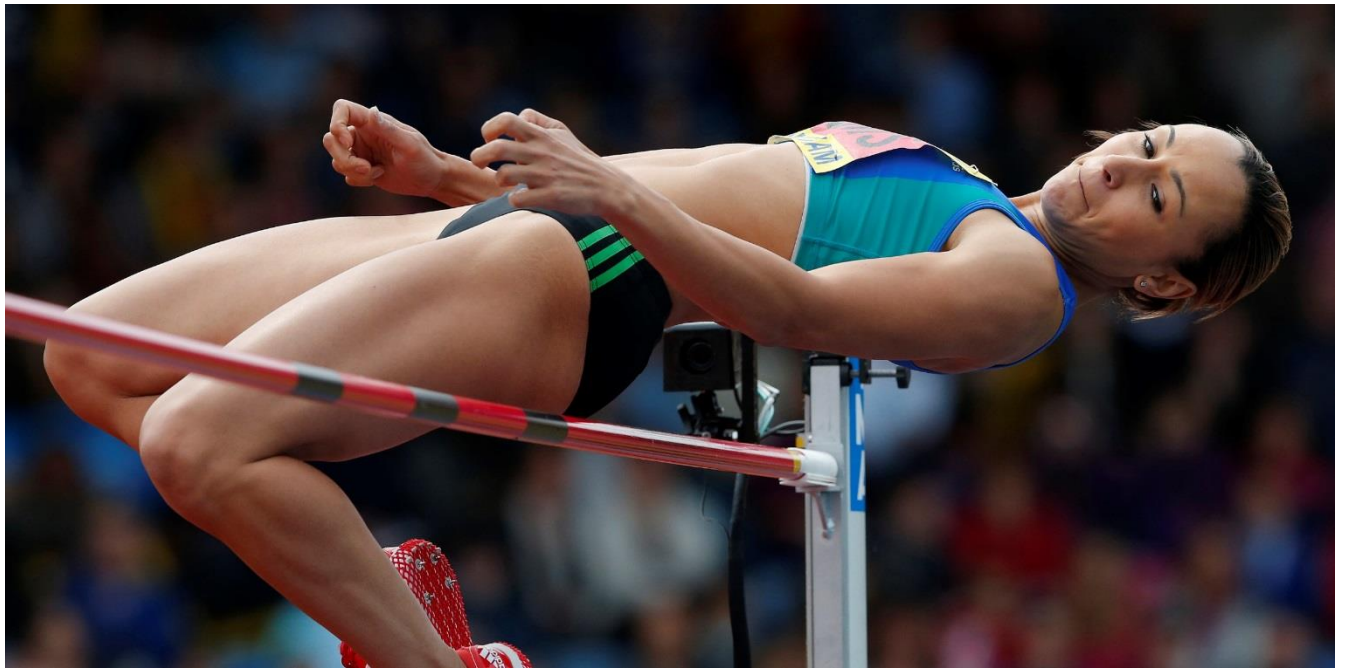
Turn-by-Turn Navigation



Turn-by-Turn Navigation Challenges





Disruption

Jump! Higher!