

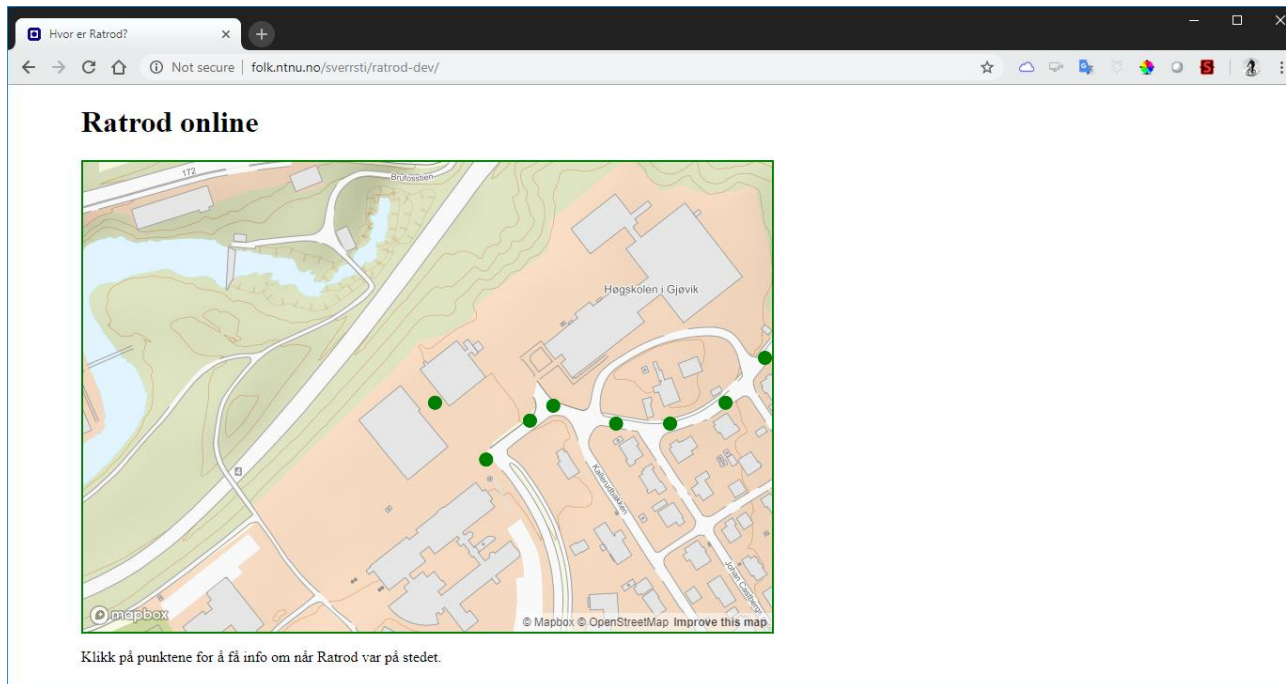
# Vektordata i webkart

Hvordan foregår informasjonsflyten?

Sverre Stikbakke

# Posisjonen til Ratrod

- Data fra GPS-mottager sendes til Dropbox, og hentes til webkartet.



folk.ntnu.no

index.html  
index.js

mapbox.com

mapbox-gl.js  
mapbox-gl.css  
styles/mapbox/..  
..streets-v10

geonorge.no

gk.open\_wmts?  
service=WMTS&

dropbox.com

ratrod.geojson

Hvor er Ratrod?

Not secure | folk.ntnu.no/sverrsti/ratrod-dev/

### Ratrod online

© Mapbox © OpenStreetMap Improve this map

Klikk på punktene for å få info om når Ratrod var på stedet.

```
<head>
```

```
·<script src='https://api.tiles.mapbox.com/mapbox-gl-js/v0.50.0/mapbox-gl.js'></script>  
·<link href='https://api.tiles.mapbox.com/mapbox-gl-js/v0.50.0/mapbox-gl.css' rel='stylesheet' />
```

```
<body>
```

```
·<script>
```

```
··mapboxgl.accessToken = 'pk.eyJ1I:
```

```
··var map = new mapboxgl.Map({  
···container: 'map',  
···style: 'mapbox://styles/mapbox/streets-v10',  
···center: [10.6805314, 60.7894493],  
···zoom: 16  
··});
```

```
··map.on('load', function () {  
···map.addLayer({  
·····'id': 'topo4',  
·····'type': 'raster',  
·····'source': {  
·······'type': 'raster',  
·······'tiles': [  
·········'https://opencache.statkart.no/gatekeeper/gk/gk.open_wmts'  
·········+ '?Service=WMTS'  
·········+ '&Version=1.0.0'·········
```

```
..<script src="index.js"></script>  
</body>
```

index.js

```
] map.on('load', function () {  
  ..map.addSource('gps_points', {  
    .... "type": "geojson",  
    .... "data": 'https://dl.dropboxusercontent.com/s/a14zuvbh3qhhuu1/ratrod.geojson'  
  ..});  
  
  ..map.addLayer({  
    .... "id": "ratrod",  
    .... "type": "circle",  
    .... "source": "gps_points",  
    .... "paint": {  
      ..... "circle-radius": 8,  
      ..... "circle-color": "#008000"  
    .... }  
  ..});
```

```
· // When a click event occurs on a feature in the ratrod layer, open a popup at the
· // location of the feature, with description HTML from its properties.
· map.on('click', 'ratrod', function (e) {
·   · var coordinates = e.features[0].geometry.coordinates.slice();
·   · var description = e.features[0].properties.date + " " + e.features[0].properties.time;

·   new mapboxgl.Popup()
·     · .setLngLat(coordinates)
·     · .setHTML(description)
·     · .addTo(map);

· // Change the cursor to a pointer when the mouse is over the ratrod layer.
· map.on('mouseenter', 'ratrod', function () {
·   · map.getCanvas().style.cursor = 'pointer';
· });

· // Change it back to a pointer when it leaves.
· map.on('mouseleave', 'ratrod', function () {
·   · map.getCanvas().style.cursor = '';
· });
```