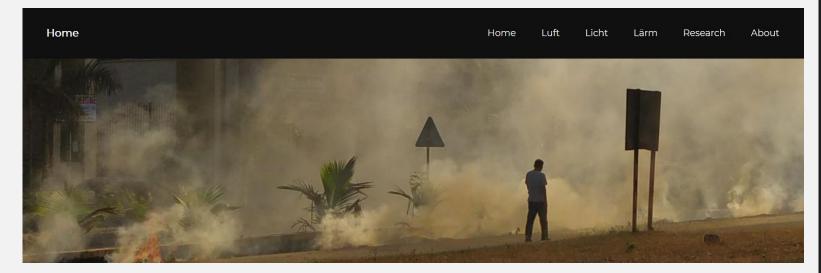
# DIE UNSICHTBAREN VERSCHMUTZUNGEN

Ein Web Mapping Projekt
Von Isabelle Beutelspacher, Alexander Höfner, Robin Kohrs
19. Juni 2019

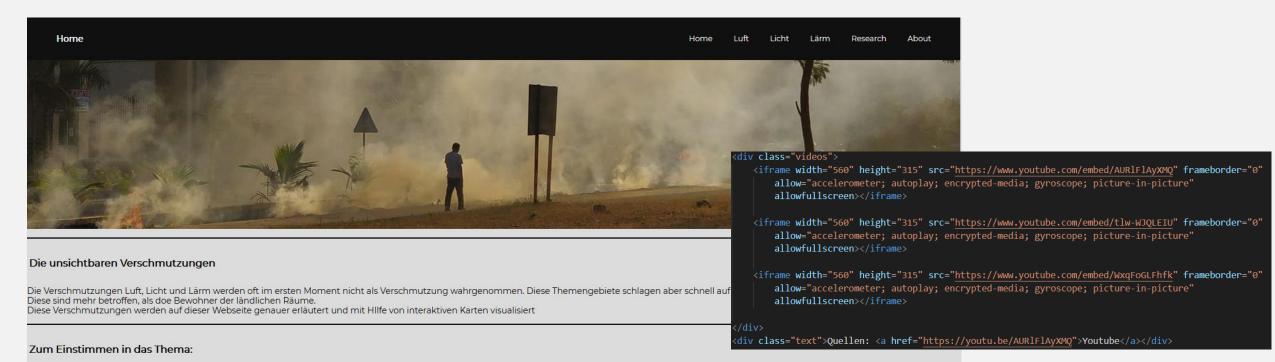
```
.header {
   margin: auto;
   height: 80px;
   display: block;
   background-color: □#101010;
   width: 80vw;
.inner_header {
   width: 75vw;
   height: 100%;
   display: block;
   margin: 0 auto;
   background-color: □#101010;
.logo_container {
   height: 100%;
   display: table;
   float: left;
.logo_container h1 {
   color: ■white;
   height: 100%;
   display: table-cell;
   vertical-align: middle;
   font-family: 'Montserrat';
   font-size: 2em;
.navigation {
   float: right;
   height: 60%;
.navigation a {
   height: 100%;
   display: table;
   float: left;
   padding: 0px 20px;
   text-decoration: none;
.navigation a:last-child {
   padding-right: 0;
.navigation a li {
   display: table-cell;
   vertical-align: middle;
   height: 100%;
   color: □white;
   font-family: 'Montserrat';
   font-size: 15px;
```

### **LAYOUT**



```
<div class="header" id="myheader">
   <div class="inner_header">
     <div class="logo_container">
         <h1> <span>Home</span></h1>
     <a href="index.html">
            Home
         <a href="luft.html">
            Luft
         <a href="licht2.html">
           Licht
         <a href="laerm.html">
            Lärm
         <a href="research.html">
            Research 
         <a href="about.html">
            About
```

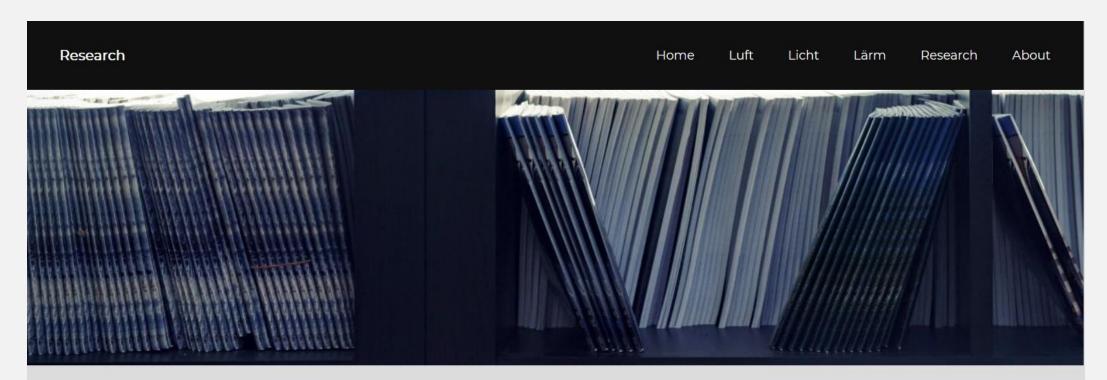
#### HOME





github.com

#### RESEARCH



Nature (2018): Filthy air is a global disgrace. In: Nature 561, 285. Read Editorial.

Nature (2019): Stop denying the risks of air pollution. In: Nature 568, 433. Read Editorial.

Contestabile, M. (2019): Air pollution regulation. In: Nature Sustainability 2, 10.

Longcore, T.; Rich, C. (2004): Ecological light pollution. In: Front Ecol Enviro. Vol 2. Issue 4. 191-198.

Chepesiuk, R. (2009): Missing the dark: Health Effects of Light Pollution

#### **ABOUT**

**About Us** Home Die Happyhackers Isabelle Beutelspacher Hauptaufgabengebiet: Lärm **⊠**E-Mail ngithub.com Alexander Höfner Hauptaufgabengebiet: Luft **Q**github.com Robin Kohrs Hauptaufgabengebiet: Licht 🞧 <u>github.com</u> github.com

```
<img src="images/happyhackers/isi.jpg" height="200" width="200" border="1px">
  Isabelle Beutelspacher
 Hauptaufgabengebiet: Lärm
   <a href="mailto:Isabelle.Beutelspacher@student.uibk.ac.at"><i class="fas fa-envelope"></i>E-Mail</a><br>
   <a href="https://github.com/isabellebeutelspacher"><i class="fab fa-github"></i>github.com</a>
<img src="images/happyhackers/alex.jpg" height="200" width="200" border="1px">
 Alexander Höfner
  Hauptaufgabengebiet: Luft
   <a href="mailto:Alexander.Hoefner@student.uibk.ac.at"><i class="fas fa-envelope"></i>E-Mail</a>
   <a href="https://github.com/alexhoefner"><i class="fab fa-github"></i>github.com</a>
<img src="images/happyhackers/robin.jpg" height="200" width="200" border="1px">
 Robin Kohrs
 Hauptaufgabengebiet: Licht
   <a href="mailto:Robin.Kohrs@student.uibk.ac.at"><i class="fas fa-envelope"></i>E-Mail</a><br/>br>
    <a href="https://github.com/robinkohrs"><i class="fab fa-github"></i>github.com</a>
```

# LUFT, LÄRM UND LICHT

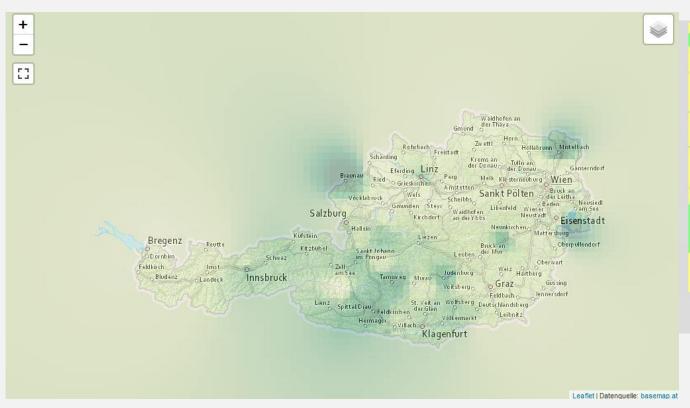
happyhackerwebmapping.github.io/

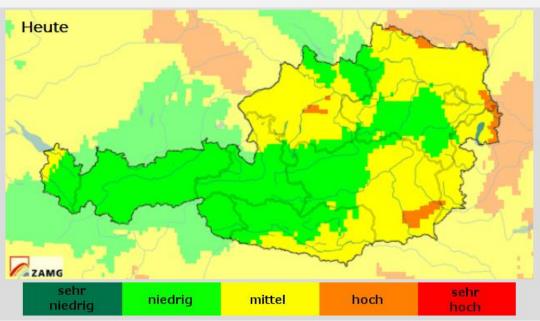
#### **LUFT**

```
Jsonp abfragen
let jsonpResponse = function (data) {
    let ozonPoints = [];
    for (let i in data) {
       let lat = data[i].lat;
       let lng = data[i].lon;
       let ozon1h = data[i].ozon1h;
       let ozon8h = data[i].ozon8h;
       let ozon1hmax = data[i].ozon1hMax;
       let name = data[i].name;
       let timestamp = data[i].timestamp utc;
       //Thu, 13 Jun 2019 23:00:00 GMT
        //Zeitzone entfernen
       let date = timestamp.substring(0, timestamp.length-12);
        //Uhrzeit auslesen
        let time = timestamp.substring(timestamp.length-12, timestamp.length-4);
        // Marker
        let ozonMarker = L.marker([lat, lng], {}).addTo(karte)
```

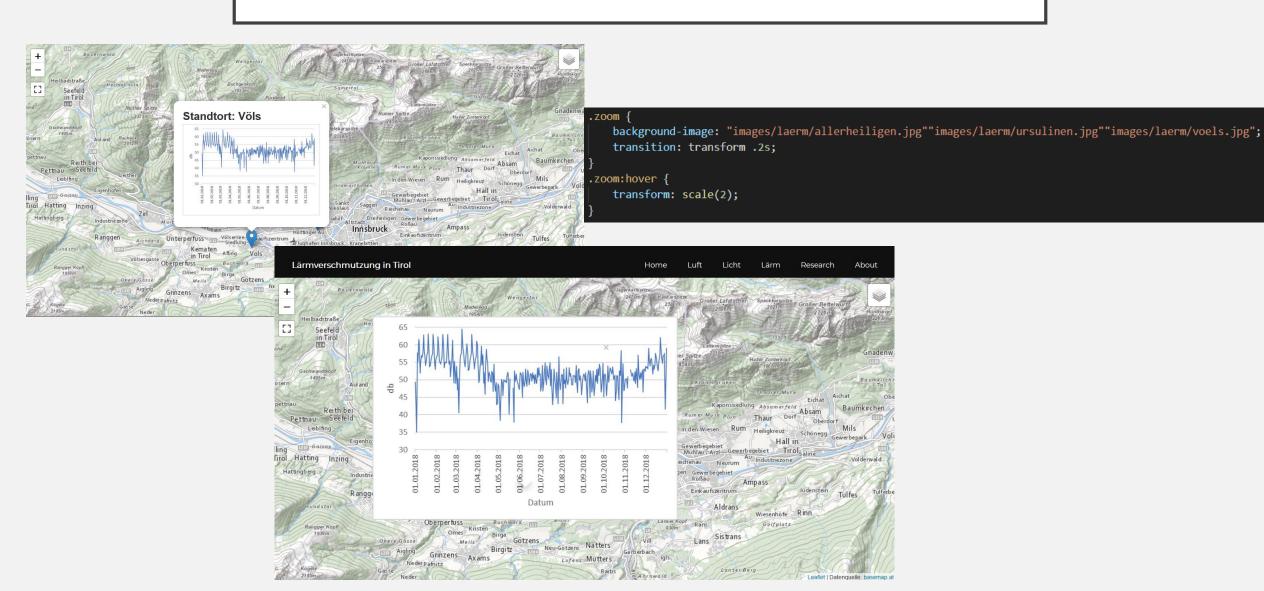
```
let ozonMarker = L.marker([lat, lng], {}).addTo(karte)
   ozonMarker.bindPopup(`
   <h4 class = "marker" >Name: ${name}</h4>
   <strong>Datum:</strong> ${date}<br>
    <strong>Uhrzeit:</strong> ${time}<br>
    <strong>Ozon 1h max:</strong> ${ozon1hmax}<br>
    <strong>0zon 1h:</strong> ${ozon1h}<br>
    <strong>Ozon 8h:</strong> ${ozon8h}
    `).addTo(markergruppe);
   markergruppe.addTo(karte)
   ozonPoints.push([lat, lng, parseFloat(ozon1h/300)]);
   //console.log(ozonPoints)
L.heatLayer(ozonPoints, // lat, lng, intensity
   radius: 50,
   minOpacity: 0.2,
   blur: 15,
```

## **LUFT**





# LÄRM



## LÄRM

```
Monatsberichte
monatlich erstellt vom Land Tirol
                                                                                                .box1, .box2, .box3, .box4, .box5
                                                                                                    float: left;
  Jänner 2019
                                           März 2019
                                                                                     Mai 2019
                       Februar 2019
                                                                April 2019
                                                                                                    width: 20%;
                                                                                                    height: 18%;
                                                                                                    margin-right: auto;
                                                                                                    padding: 20px;
                                                                                                    background: ■rgb(200, 200, 200);
                                                                                                    border-style: solid;
                                                                                                    border-color: ■ gainsboro;
                                                                                                    border-width: 10px;
```

monatlich erstellt vom <a href="https://www.tirol.gv.at/arbeit-wirtschaft/esa/laerm/fluglaerm/">Land Tirol</a</p>

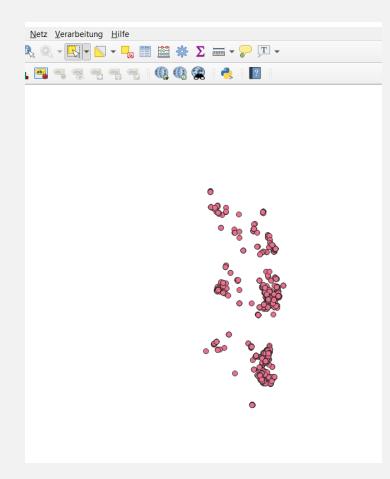
<div class="box1"><img src="icons/pdf.png"><a href="pdfs/Monatsbericht\_Jaenner\_2019.pdf">Jänner 2019</a></div>
<div class="box2"><img src="icons/pdf.png"><a href="pdfs/Monatsbericht\_Feber\_2019.pdf">Februar 2019</a></div>
<div class="box3"><img src="icons/pdf.png"><a href="pdfs/Monatsbericht\_Maerz\_2019.pdf">März 2019</a></div>
<div class="box4"><img src="icons/pdf.png"><a href="pdfs/Monatsbericht\_April 2019.pdf">April 2019</a></div></div>

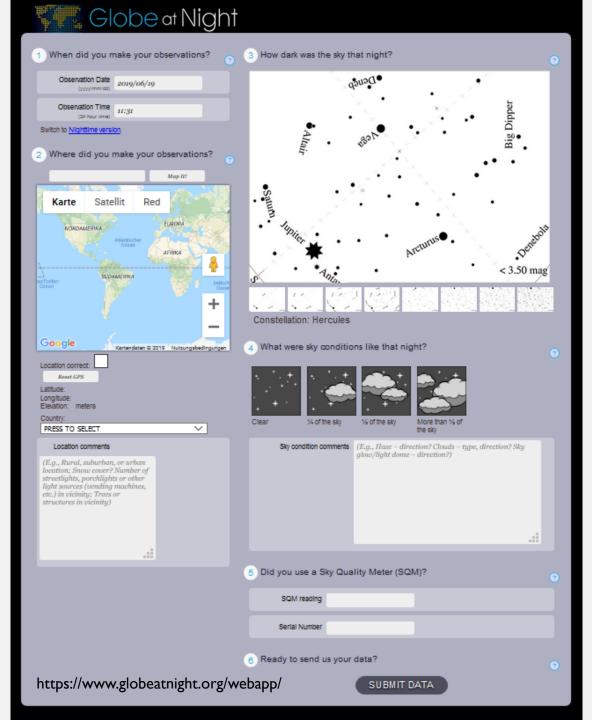
<div class="box5"><img src="icons/pdf.png"><a href="pdfs/Monatsbericht Mai 2019.pdf">Mai 2019</a></div>

<h4>Monatsberichte </h4>

### LICHT

```
// create the GeoJSON layer
 let citiesatNight = L.geoJSON(GLOBEATNIGHT, myLayerOptions)
 let sqm = L.geoJSON(SQM, mysqmLayerOptions)
function createCustomIcon(feature, lating) {
    let myIcon = L.icon({
        iconUrl: 'icons/milkyway_icon.png',
        iconSize: [25, 25],
        shadowSize: [35, 20],
        iconAnchor: [12, 12],
        shadowAnchor: [12, 6],
        popupAnchor: [0, 0]
    let marker = L.marker(lating, {
        icon: myIcon
    marker.bindPopup(`<h3> Cloud Cover: </h3>${feature.properties.CloudCover}<bre><bre>
    <h3>Limiting Mag </h3> ${feature.properties.LimitingMag} `)
    return marker
function createCustomIcon2(feature, lating) {
    let myIcon2 = L.icon({
       iconUrl: 'icons/star.png',
        iconSize: [25, 25],
        shadowSize: [35, 20],
        iconAnchor: [12, 12],
        shadowAnchor: [12, 6],
        popupAnchor: [0, 0]
    let marker2 = L.marker(lating, {
        icon: myIcon2
    marker2.bindPopup(`<h5> UT_datetime: </h5>${feature.properties.UT_datetime}<br/><br/>
    <h5>Brightness </h5> ${feature.properties.Brightness} <h5> Conditions </h5> ${feature.properties.Conditions} `)
```







http://unihedron.com/projects/darksky/sqmback.jpg