



**DIGITIZE  
THE PLANET**

**We digitize the rules for the use of nature**



**DIGITIZE  
THE PLANET**

**We want to provide visitors an experience with a good-feeling by supporting everyone to enjoy nature according to the rules without burdening it.**

**We achieve this goal by digitizing all relevant regulations, including laws and local agreements that govern behavior in nature.**



# The Problem

**Increasing people in the outdoors and nobody knows the rules.**



# The Consequence

- **Pressure on the environment**
- **Damage to nature**
- **Dissatisfied tourists**
- **Conflicts with local communities**





# This can not be solved with Rangers and signs

A scalable solution can only be achieved with digitization.





**The journey starts  
long before leaving  
home...**

**Only with digital information  
can you reach guests before  
they depart for their  
destination.**





# Maps & Tours

Users see a variety of official, private tours and trails.

The differences are often unclear. Visitors trust the information and route options.

**Mathon - Rundtour Bergleise**  
TOP mittel  
↔ 10,0 km ▲ 715 hm  
⌚ 3:41 h ▼ 711 hm  
★★★★★ 6  
Community

**Furgler 3.004 m - Überschreitung**  
TOP schwer  
↔ 11,2 km ▲ 1184 hm  
⌚ 5:30 h ▼ 1184 hm  
★★★★★ 3  
alpenvereinaktiv.com

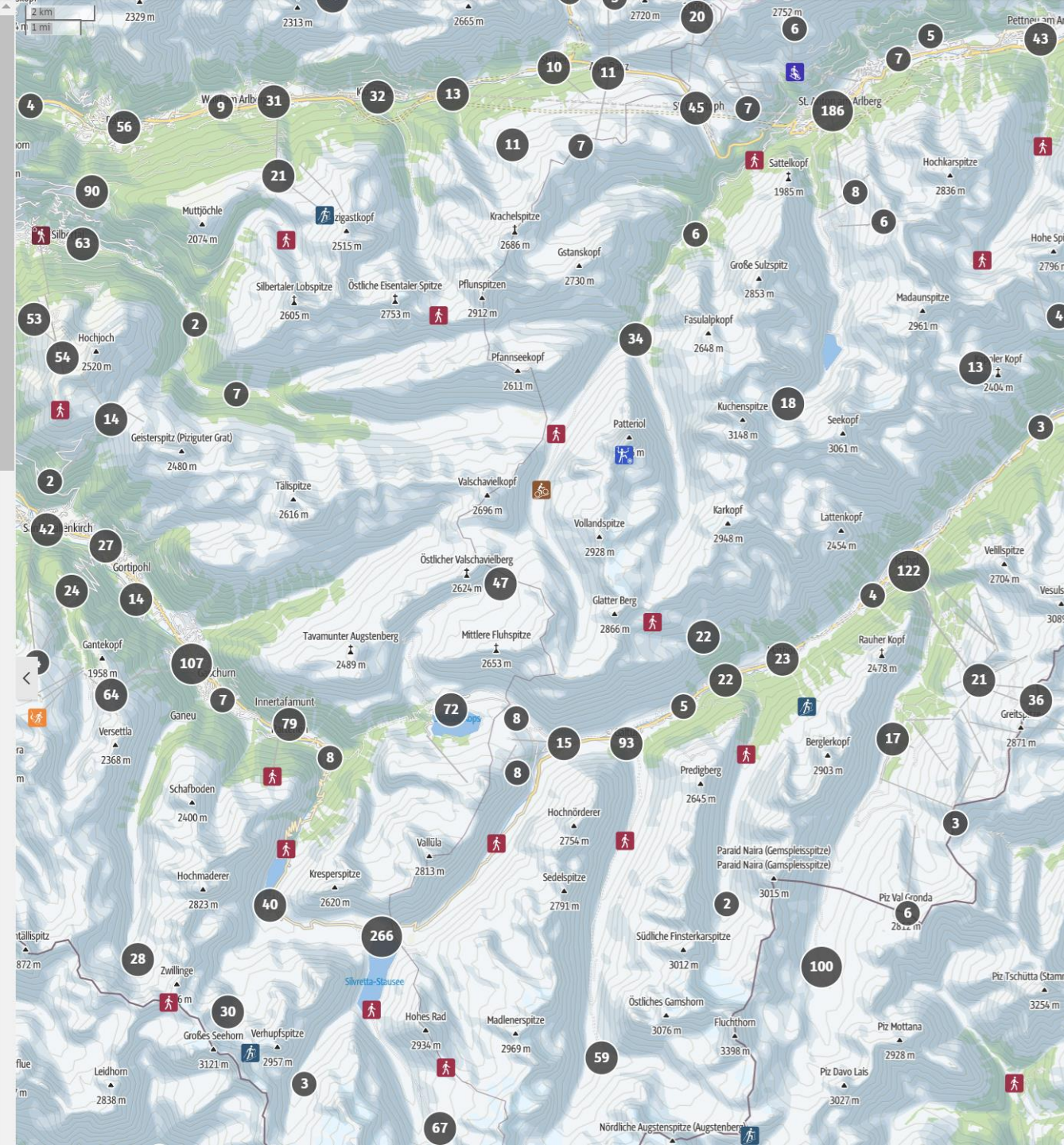
**Rüsselsheimer Hütte - Zustieg vom Pit...**  
TOP mittel  
↔ 2,7 km ▲ 725 hm  
⌚ 1:45 h ▼ 58 hm  
★★★★★ 1  
alpenvereinaktiv.com

**Trip Tirol ▶ Die Silvretta Hochalpenstr...**  
TOP leicht  
↔ 25,6 km ▲ 451 hm  
⌚ 0:25 h ▼ 1022 hm  
trip-reisen.com

**Schruns - Phantastische Gebirgslands...**  
TOP mittel  
↔ 4,7 km ▲ 39 hm  
⌚ 1:31 h ▼ 457 hm  
★★★★★ 1  
Community

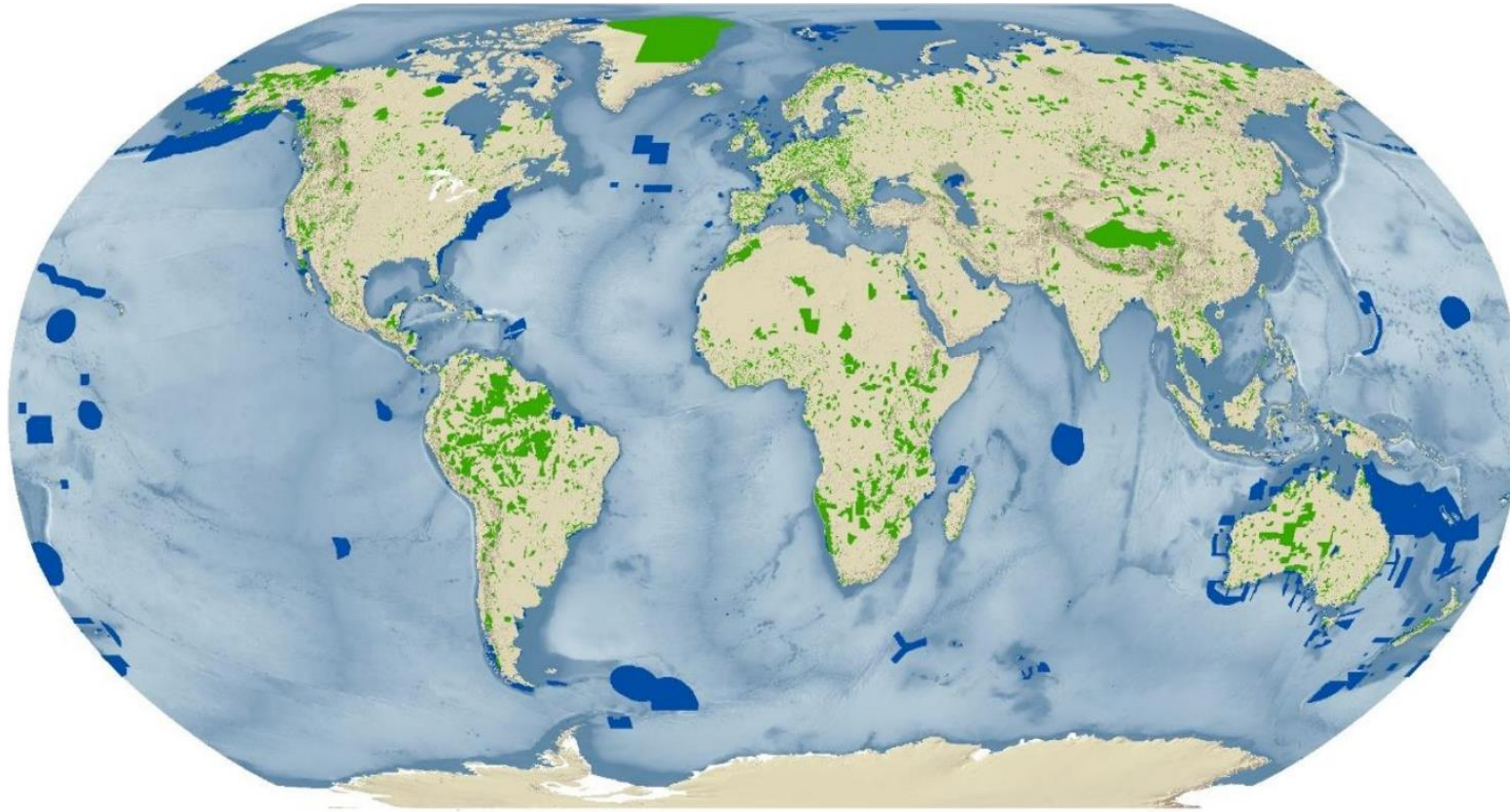
**Gröbenbach Eisfall bei Rofen**  
TOP W13 leicht  
↔ 2,0 km ▲ 400 hm  
⌚ 4:30 h ▼ 400 hm  
alpenvereinaktiv.com

**Innerberger Felderkogel (2830 m) von ...**  
TOP mittel  
↔ 16,6 km ▲ 1450 hm  
⌚ 5:00 h ▼ 1450 hm  
alpenvereinaktiv.com





# Protected areas worldwide



Data: Protected planet

|          | World   | Europe  | Germany |
|----------|---------|---------|---------|
| Number   | 253.408 | 130.000 | 26.000  |
| Coverage | 16%     | 23%     | 42%     |





**The information  
must be integrated  
in every digital  
service**

**To achieve that we are  
defining an international  
standardized data format.  
The result will be open data.**

**We want to create a global dataset of all protected areas that includes baseline data and rules. We support all digital platforms to use this data through our API.**



# Roadmap



**Founding of the association**

March 2020

May 2020

**Start of work**



**First pilot phase**

August 2020

April 2021

**Evaluation phase**



**Prototype Data Platform**

October 2021



**operative Data platform**

December 2021

# Roadmap



**Testing phase**

March 2022



**Open Registration**

Summer 2022

Winter 2022



**Platform extension**

April 2021



**Test, Fix, Maintain,  
API Implementation**



Start 2023

**Full-coverage data  
collection**



# Members



outdooractive



Nationale  
Naturlandschaften

alpenverein  
österreich



LOWA  
simply more...



Respektiere  
deine Grenzen



Bad Urach



Landkreis  
Ostallgäu



hubermedia



Südliche  
Weinstrasse  
Zum Wohl. Die Pfalz.



Zum Wohl.  
Die Pfalz.

green-solutions



alpenverein  
österreich

bergfex.at

Zugspitz Region



POLYMORPHE  
DESIGN

Biosphärengebiet  
Schwarzwald



David  
Wewetzer



Bayern



VENUS\*



Prof. Dr.  
Alexander  
Dingeldey

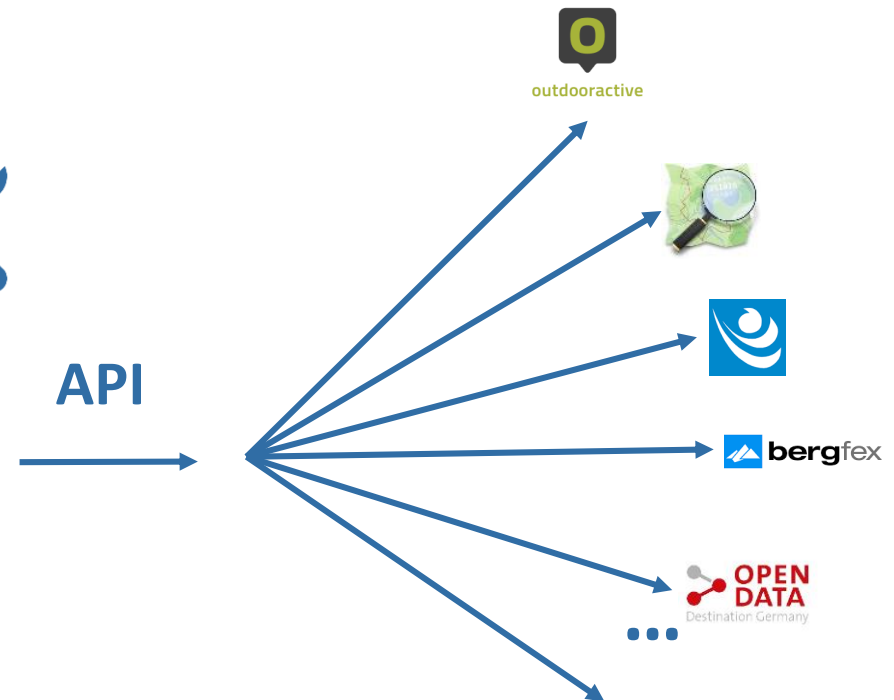
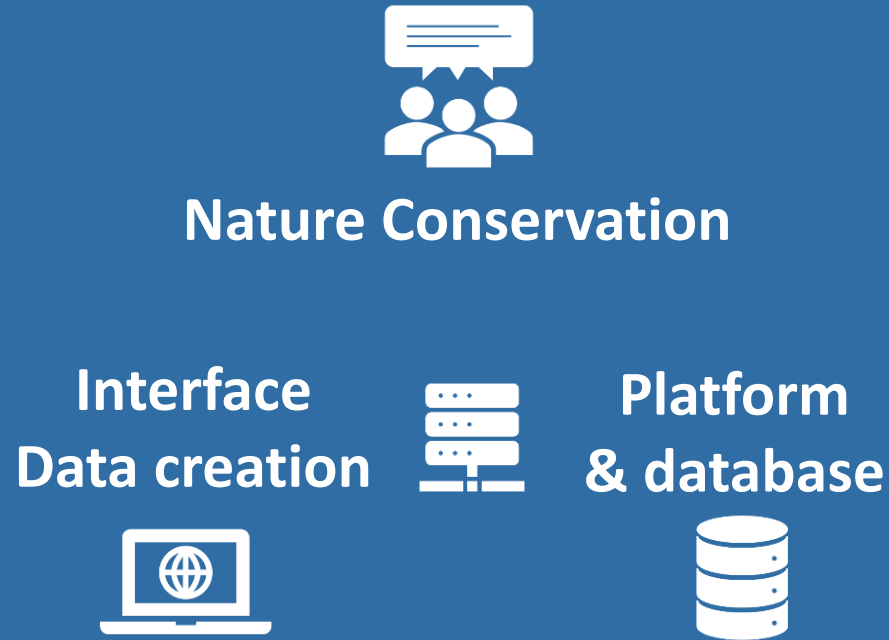


Kanton  
Obwalden



Deutscher  
Skilehrerverband

Bundle information and data from different services and authorities in one data hub and use it as Open Data via the API in all channels.





## Show Protected Areas and their Rules

Search

[1279]

|  |   |  |
|--|---|--|
| <p><b>Harz</b><br/>National Park</p> <p>IUCN: II<br/>OSM: relation/90584<br/>WDPA: 103142<br/>Germany Niedersachsen, Sachsen-Anhalt Goslar, Osterode am Harz, Harz</p> <p><a href="#">Show</a></p> | <p><b>Hunsrück-Hochwald</b><br/>National Park</p> <p>IUCN: II<br/>OSM: relation/4120974<br/>WDPA: 555560847<br/>Germany Rheinland-Pfalz, Saarland Berncastel-Wittlich, Birkenfeld, Trier-Saarburg, St. Wendel</p> <p><a href="#">Show</a></p> | <p><b>Jasmund</b><br/>National Park</p> <p>IUCN: II<br/>OSM: relation/253073<br/>WDPA: 32667<br/>Germany Mecklenburg-Vorpommern Vorpommern-Rügen</p> <p><a href="#">Show</a></p> |
| <p><b>Saxon Switzerland</b><br/>National Park</p> <p>IUCN: II<br/>OSM: relation/1595534<br/>WDPA: 32666<br/>Germany Sachsen Sächsische Schweiz-Osterzgebirge</p> <p><a href="#">Show</a></p>       | <p><b>Triglav National Park</b><br/>National Park</p> <p>IUCN: II<br/>OSM: relation/2868142<br/>WDPA: 2517<br/>Slovenia Gorenjska, Goriška Bled, Bohinj, Jesenice, Kranjska Gora, Bovec, Kobarid, Tolmin</p> <p><a href="#">Show</a></p>      | <p><b>Aggenstein</b><br/>Nature Reserve</p> <p>IUCN: IV<br/>WDPA: 81251<br/>Germany Bayern Ostallgäu</p> <p><a href="#">Show</a></p>   |

# The platform

The platform is fully functional and the number of content creators is increasing. First platforms use the data.



### Protected Areas

|                             |                            |
|-----------------------------|----------------------------|
| Protected areas in database | Protected areas with rules |
| <b>46140</b>                | <b>1279</b>                |



### Rules and Regulations

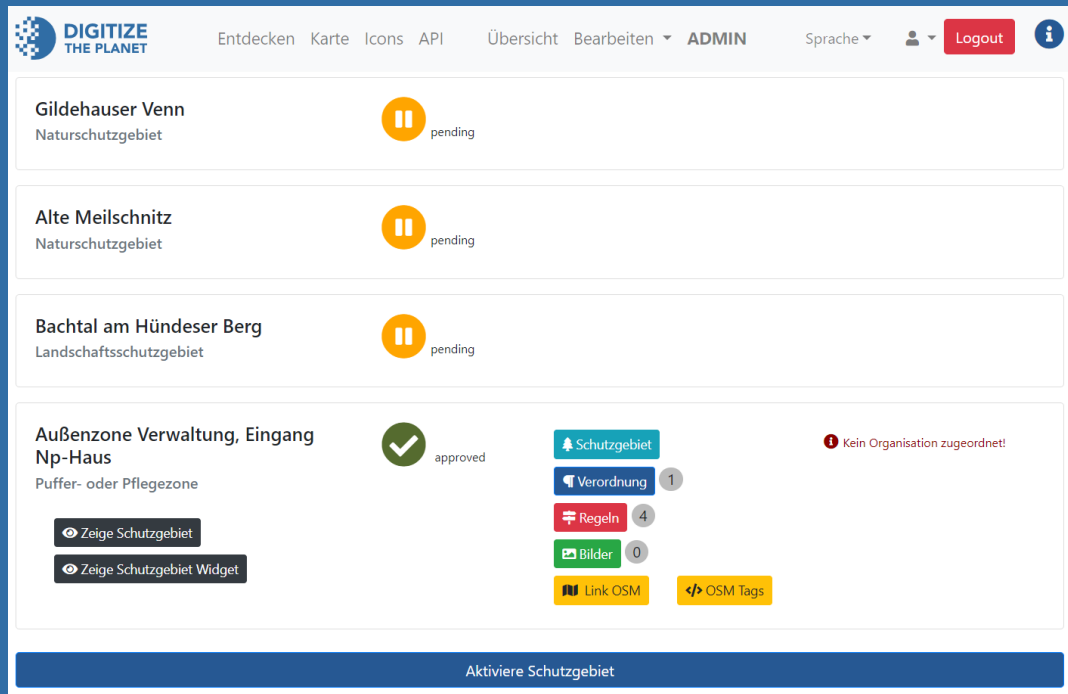
|                             |  |
|-----------------------------|--|
| Digitized rules in database | Outdoor activities with associated rules |
| <b>19154</b>                | <b>53</b>                                |



### Countries and Digitizers

|                      |                             |
|----------------------|-----------------------------|
| Countries with rules | Number of active digitizers |
| <b>4</b>             | <b>38</b>                   |

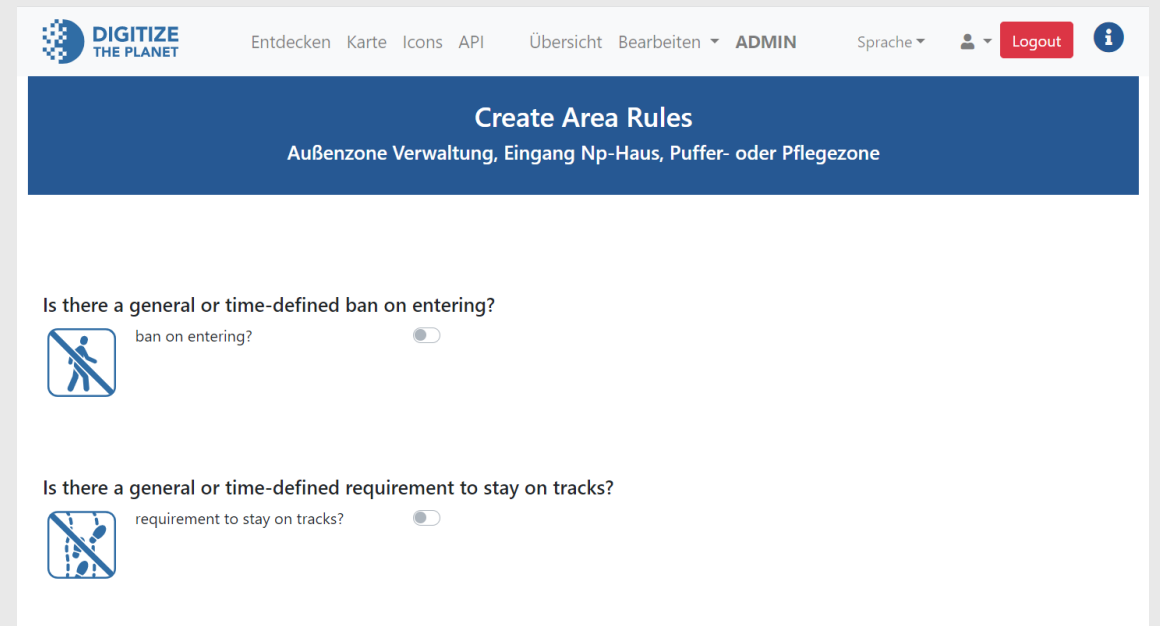
# The Platform



The screenshot shows the dashboard of the Digitize the Planet platform. At the top, there is a navigation bar with the logo, menu items (Entdecken, Karte, Icons, API, Übersicht, Bearbeiten, ADMIN), language selection (Sprache), user profile, and a Logout button. Below the navigation bar, there is a list of protected areas:

- Gildehauser Venn** (Naturschutzgebiet) - pending
- Alte Meilschnitz** (Naturschutzgebiet) - pending
- Bachtal am Hündeser Berg** (Landschaftsschutzgebiet) - pending
- Außenzone Verwaltung, Eingang Np-Haus** (Puffer- oder Pflegezone) - approved

The 'Außenzone Verwaltung, Eingang Np-Haus' entry is expanded, showing a status of 'approved' and a warning 'Kein Organisation zugeordnet!'. It includes several action buttons: 'Schutzgebiet', 'Verordnung' (1), 'Regeln' (4), 'Bilder' (0), 'Link OSM', and 'OSM Tags'. There are also buttons for 'Zeige Schutzgebiet' and 'Zeige Schutzgebiet Widget'. At the bottom of the expanded entry, there is a blue button labeled 'Aktiviere Schutzgebiet'.



The screenshot shows the 'Create Area Rules' form in the Digitize the Planet platform. The title is 'Create Area Rules' and the subtitle is 'Außenzone Verwaltung, Eingang Np-Haus, Puffer- oder Pflegezone'. The form contains two questions:

- Is there a general or time-defined ban on entering?**  
ban on entering?
- Is there a general or time-defined requirement to stay on tracks?**  
requirement to stay on tracks?

Each question is accompanied by a blue icon representing the rule type.

<https://content.digitizetheplanet.org/rules/home/>



# Outlook

# Roadmap



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# Digitization of the protected assets

You can only protect what you know

## Flora

Plants in the protected area with species lists and highlights.



## Fauna

Animals in the protected area with species lists and highlights.



## Habitats

Habitats of animals and plants in the protected area.



# Digitize the Planet e.V.

For outdoor enthusiasts and nature lovers who respectfully move in harmony with nature in nature reserves.



## We invite you to join

[digitizetheplanet.org](https://digitizetheplanet.org)

