

marin stefani

cartography portfolio

# 1 thematic

client — Copenhagenize

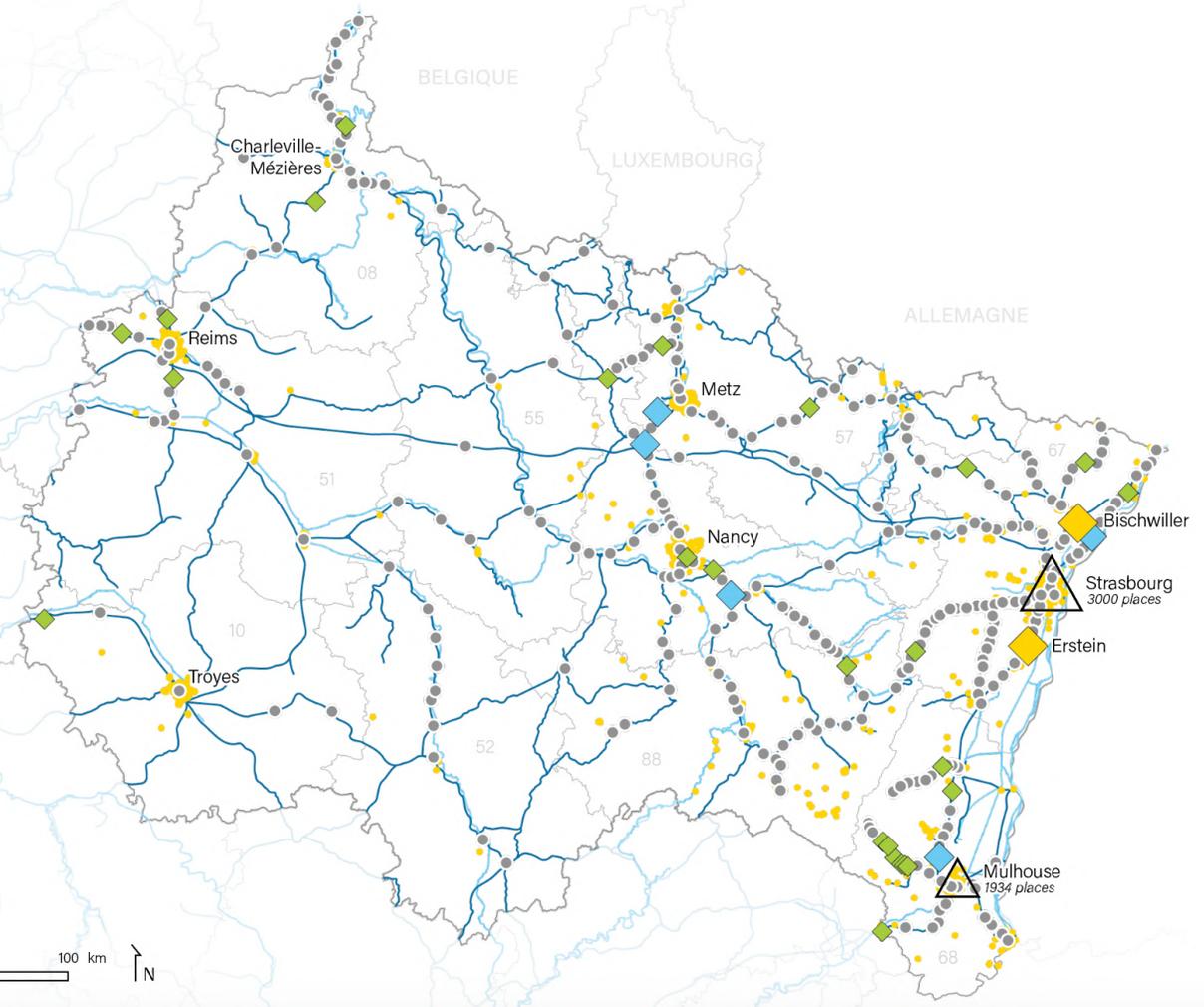
## LE RÉSEAU DES POINTS DE STATIONNEMENT VÉLO DE LA RÉGION

Recensement non exhaustif  
(cf. annexe page 76)

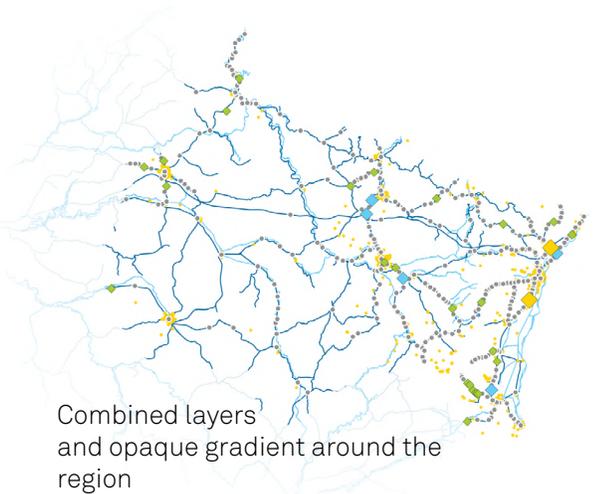
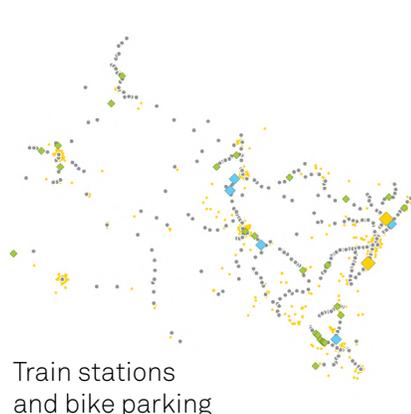
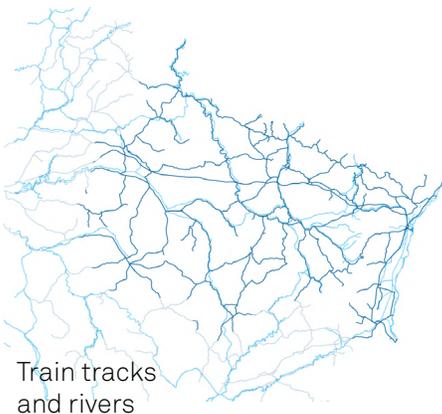
Stationnements vélo en gare, gérés par Gares et Connexions

- Petit
- Moyen
- Grand

- Gares
- Gares majeures avec stationnements gérés par la ville
- Stationnements vélo non sécurisés (source OSM)
- Voie ferrée
- Voie d'eau



Thematic map showing bike parking and train stations across the Grand Est Region in France. This and the following pages' maps were made for a benchmark document I designed, which shows the current strengths and weaknesses of the Grand Est's biking and intermodality system.



**UN PUISSANT RÉSEAU DES GARES  
DESSERVANT PLUS DE LA MOITIÉ  
DES HABITANTS DE LA RÉGION**

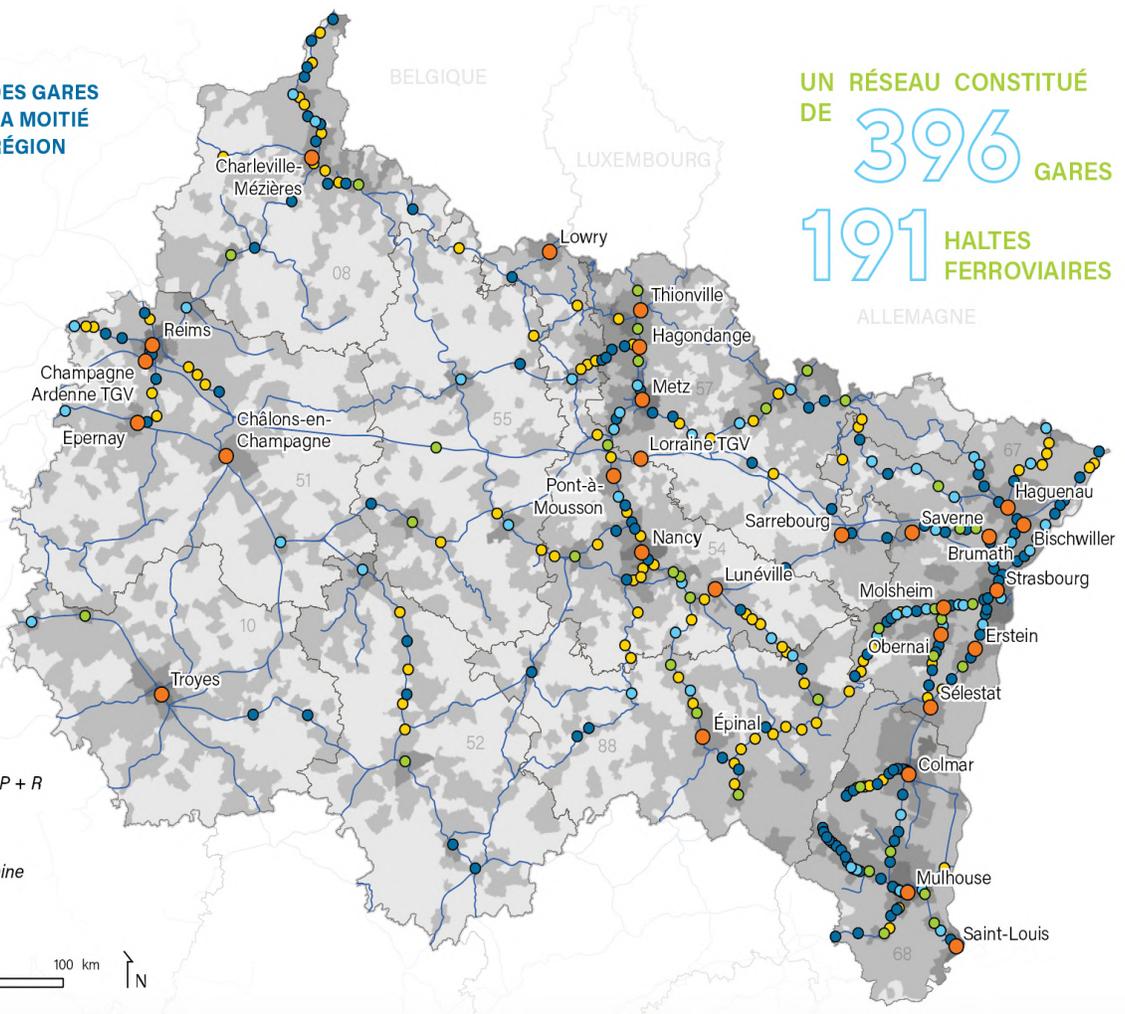
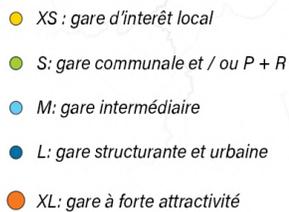
**UN RÉSEAU CONSTITUÉ  
DE 396 GARES  
191 HALTES  
FERROVIAIRES**

Densité par commune

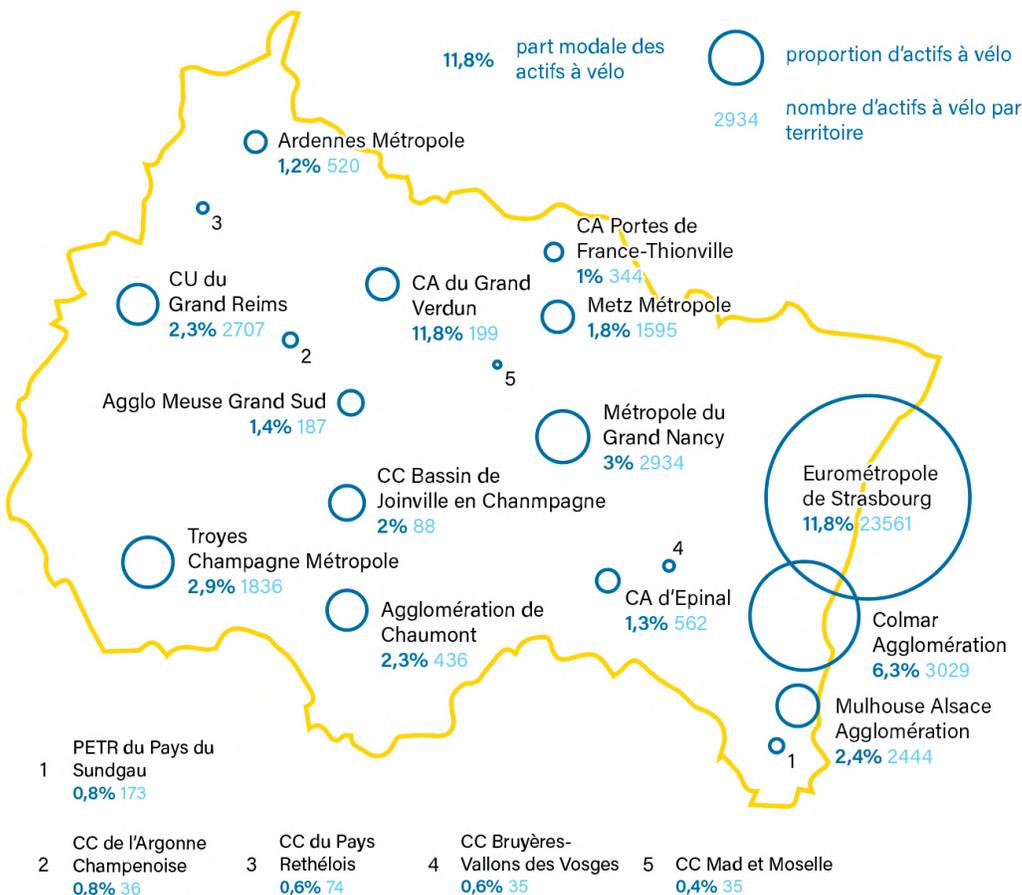


— Voie ferrée

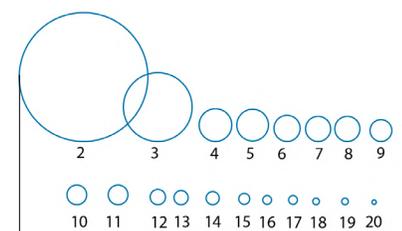
Gares par catégorie



**above** Thematic map showing population density and train stations.



**left** Infographic showing proportions of bike users in the region.



Creating city markers on illustrator. Each marker's diameter is proportional to the number of bike users in the city

Infographic with maps showing characteristics of the urban landscape within a 3km radius around the train stations of Strasbourg and Chaumont. Data is a combination of local datasets, Open Street Map and INSEE (French Statistics Bureau.)

**GARE DE STRASBOURG**

CATÉGORIE XL

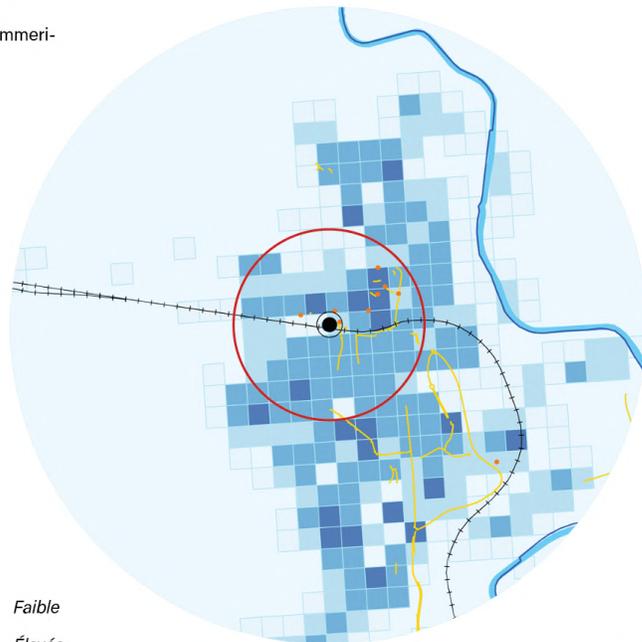


● Gare de Krimmeri-Meinau



Aire de 3km autour de la gare, regroupant :  
 À Strasbourg, 180 000 habitants  
 À Chaumont, 21 800 habitants

Aire de 800m, regroupant :  
 À Strasbourg, 28 577 emplois et 16 856 habitants  
 À Chaumont, 4 000 emplois et 7 000 habitants

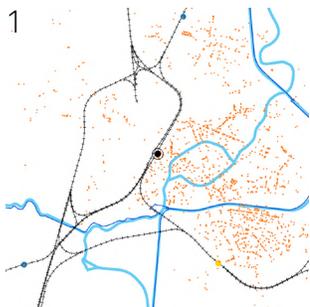
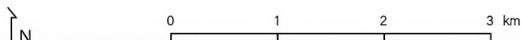


CATÉGORIE L

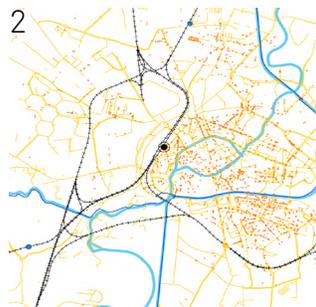
**GARE DE CHAUMONT**



- Piste cyclable
  - Voie Verte/Véloroute
  - Voie d'eau
  - ++ Voie ferrée
- Densité :
- Très faible
  - Moyenne
  - Faible
  - Élevée
  - Aire de stationnement vélo



1 Starting with train tracks, water ways, bike parking in orange



2 Adding bike paths



3 Adding population density. The colors are too strong, hindering readability



4 Muting colors, creating outlines on population blocks, and adding a light blue circle showing the 3km radius



5 Clipping the map to the 3 km radius

# 2 physical

clients — University of Michigan-Dearborn & National Geographic



Map of Mongolia for an ongoing project and upcoming scientific paper on melting glaciers in the country. Created with a modified Natural Earth DEM, Open Street Map and local data.

Detail of an earlier version of the map. High contrast colors made it difficult to read feature names



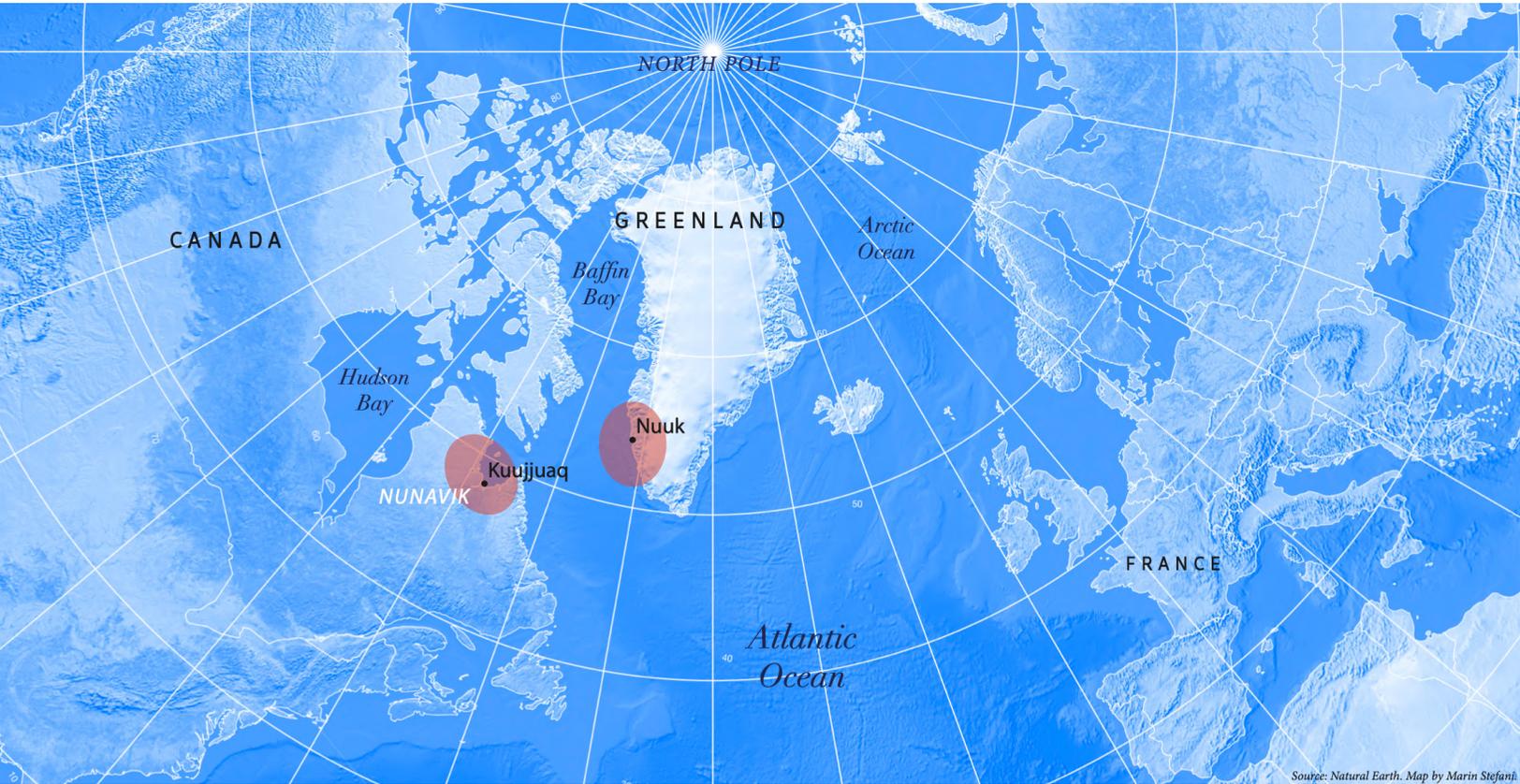
Final version, with lowered contrast



# 3 editorial

client — InterArctic Research Project

Map showing Kuujjuaq, Nuuk and France for “Research with Inuit Youth: Heritage, Change and Future,” an upcoming book published as part of the InterArctic research project. Base is a blue-washed Natural Earth DEM.



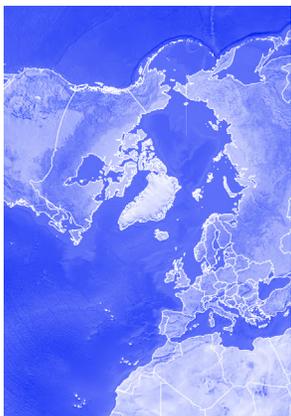
Source: Natural Earth. Map by Marin Stefani.

## MAP OF KUJJUAQ AND NUUK IN RELATION TO FRANCE

Kuujjuaq and Nuuk are located 1117 km apart, and Nuuk is 3583 km from Paris in France. As part of InterArctic, French scientists and teachers collaborated with teachers in Nuuk and Kuujjuaq to conduct research projects with students.

 Social science research through collaborative projects with youth

0 1000 2000 3000 km



Different shade of blue in an early draft

Full map before cropping, projected on a WGS 84 / UPS North coordinate system



# 4

# story-driven

for my photography website

## NORTHERN FRENCH ALPS

45.8326° N, 6.8528° E



FRANCE

SWITZERLAND

*La Clusaz*

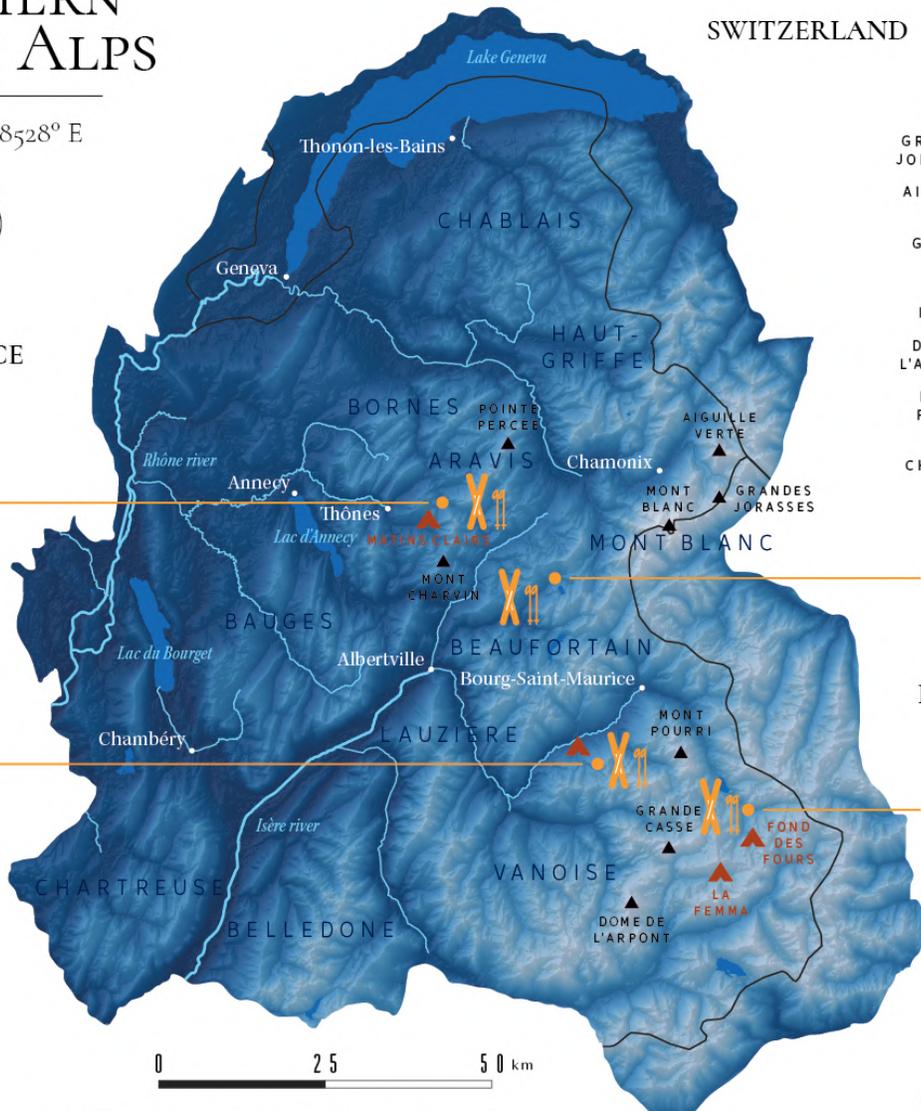
45.9044° N, 6.4234° E

*La Plagne*

45.5082° N, 6.6766° E



rustic refuge or cozy cabin



MONT BLANC	4810 M 15,780 FT
GRANDES JORASSES	4208 M 13,806 FT
AIGUILLE VERTE	4122 M 13,524 FT
GRANDE CASSE	3852 M 12,638 FT
MONT POURRI	3779 M 12,398 FT
DOME DE L'ARPOINT	3599 M 11,808 FT
POINTE PERCEE	2750 M 9,022 FT
MONT CHARVIN	2409 M 7,904 FT

*Hauteluce*

45.7505° N, 6.5855° E

ITALY

*Val-d'Isère*

45.4480° N, 6.9802° E



favorite runs (as of now), both slope and touring

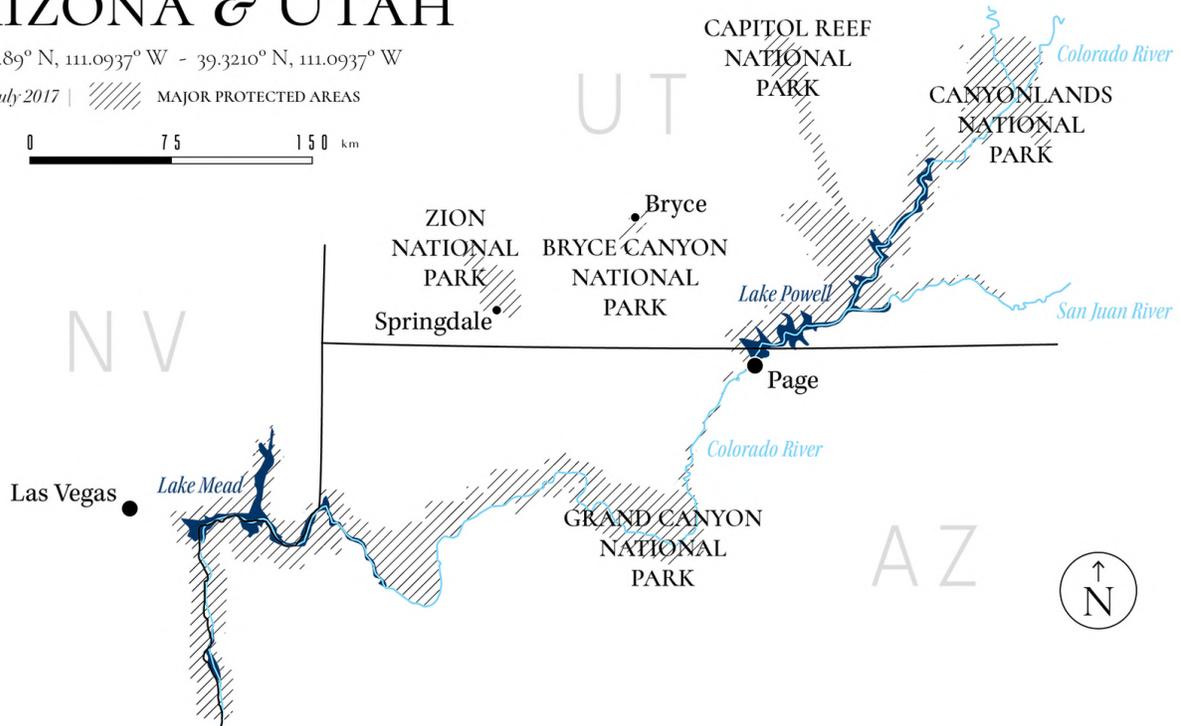
Cartographer: Marin Stefani | SRTM data: Jarvis A., H.I. Reuter, A. Nelson, E. Guevara, 2008, Hole-filled seamless SRTM data V4, International Centre for Tropical Agriculture (CIAT).

Map of the French Alps, with geographic features and names, highest peaks graphic, and my favorite ski runs. I included an interactive element to make the map and the story it tells more engaging: on the website, the ski runs and their names appear when a user hovers over the map. Created with satellite data from CIAT and local datasets.

# ARIZONA & UTAH

34.0489° N, 111.0937° W - 39.3210° N, 111.0937° W

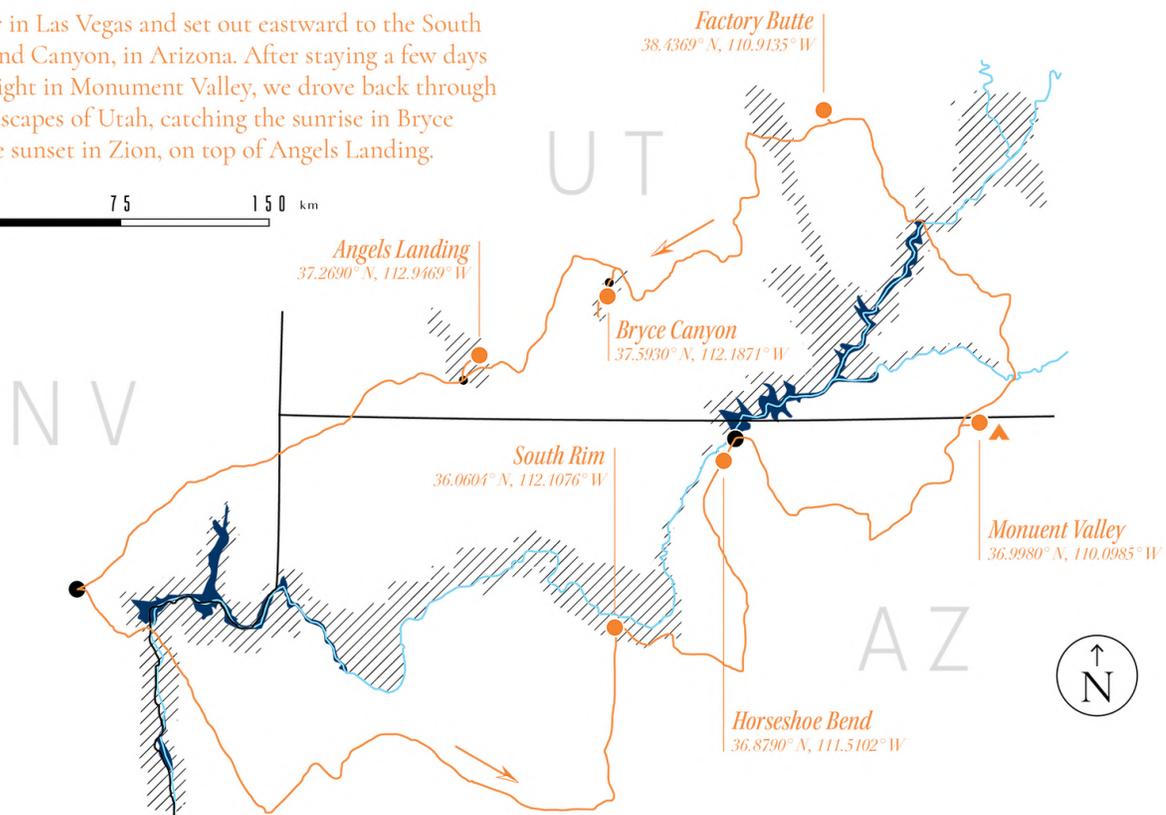
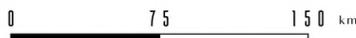
July 2017 | MAJOR PROTECTED AREAS



Interactive map of a trip to Arizona and Utah. The above map is the base design. When a user hovers over it, the features below appear and the city and park names disappear—creating a story-driven way to discover the trip. Created with Natural Earth and local data. The itinerary follows an official US roads dataset.

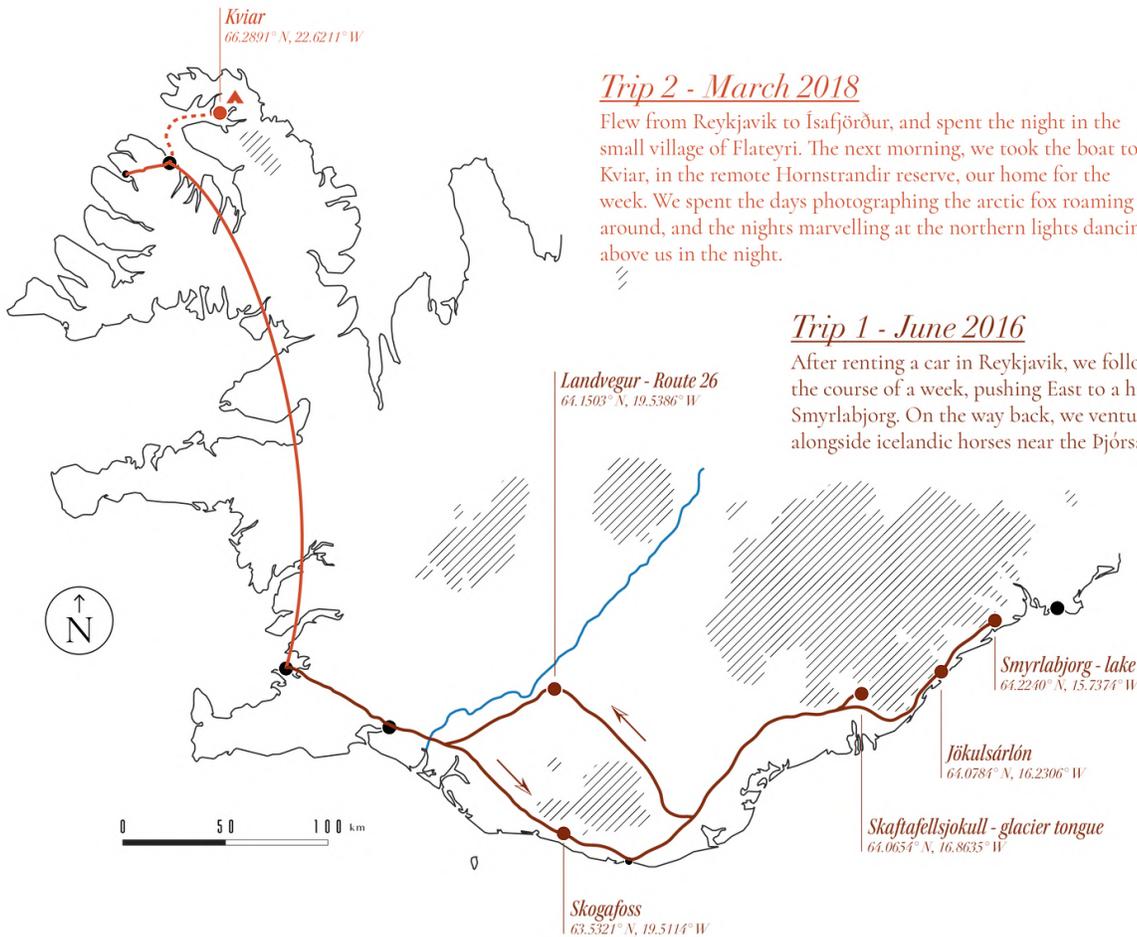
## July 2017

We rented a car in Las Vegas and set out eastward to the South Rim of the Grand Canyon, in Arizona. After staying a few days in Page and a night in Monument Valley, we drove back through the rugged landscapes of Utah, catching the sunrise in Bryce Canyon and the sunset in Zion, on top of Angels Landing.



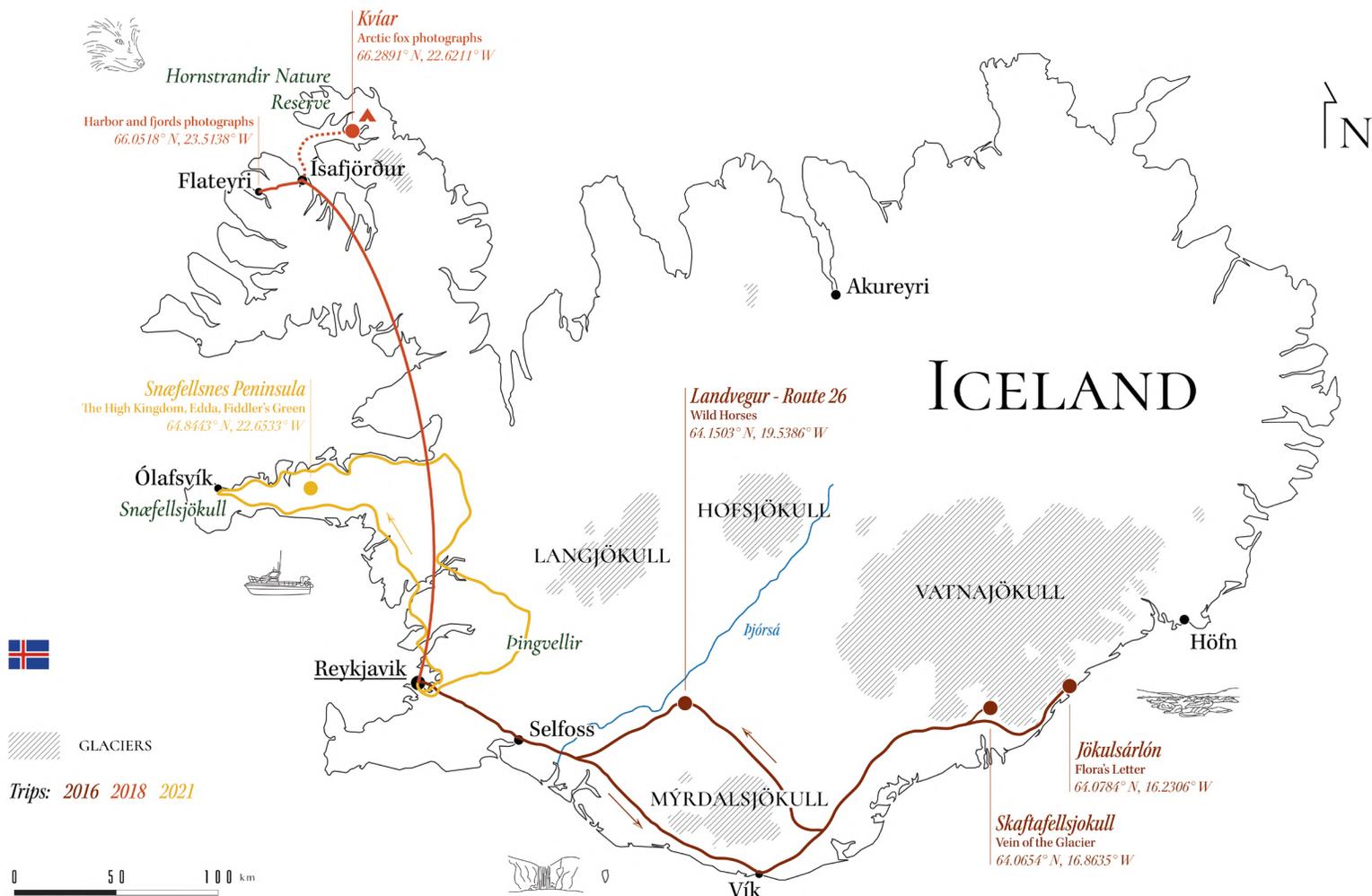


Interactive map of Iceland showing different trips to the country, with the same hover effect. Made with Natural Earth and local data.

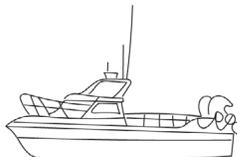


# 5 print

for the Arctic Encounter Symposium



An update of the Iceland map featured on my website, with an additional trip, drawings, and names of photographs taken. The map was printed at a 16 x 24 size and shown at the 2022 Arctic Encounter Symposium in Anchorage, AK, alongside photographs taken during the trips.





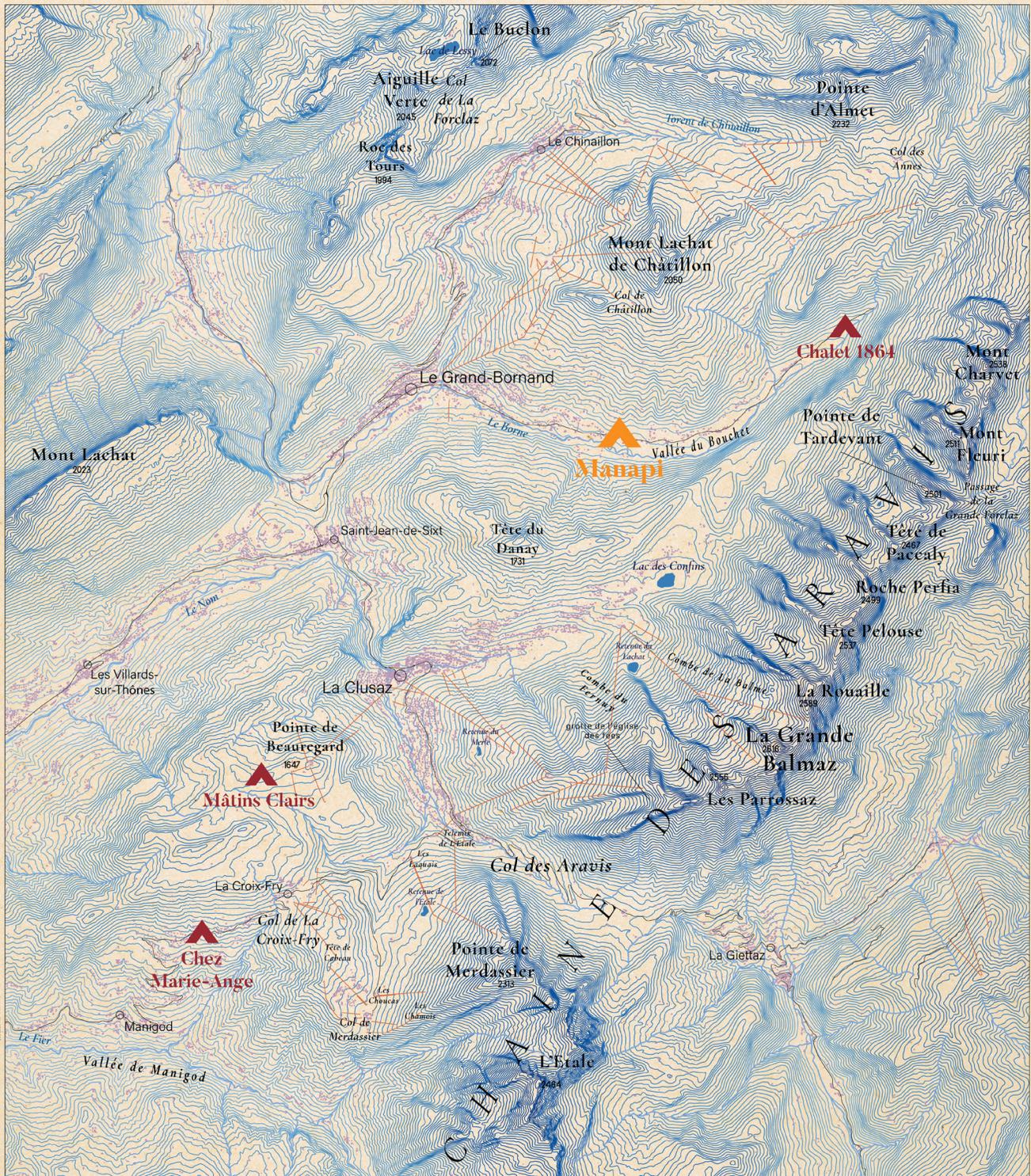
# 7 map art

personal projects



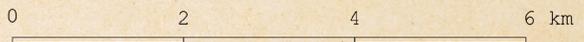
Cover for my poetry chapbook, *Il faudra repartir*, centered around traveling and self-reflexion. The base map was created by reversing the colors of a public domain USGS 1885 map of a part of Utah.

**next page** Map of the Aravis mountain range in the French Alps showing main peaks and a few refuges and lodges, inspired by old USGS maps. Elevation data is from IGN, completed with open street maps and local datasets.



(courtesy IGN)

U.S.G.S FILE  
COPY  
12\_25\_2021

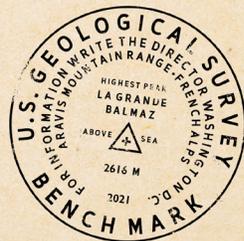


SCALE 1:126845. Datum: Réseau  
Geodesique Français RGF1993 - Lambert 93.  
Ski lifts represented by this symbol 

section of the  
**ARAVIS**  
**MOUNTAIN RANGE**

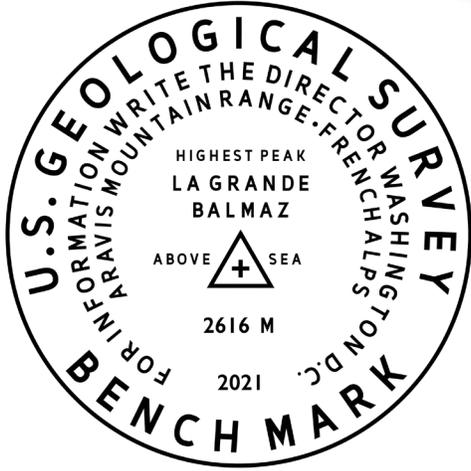
Cartographer: M. Stefani  
Date: 12-25-2021  
Topographic data from IGN  
COURBE 1-0 SHP LAMB93 D074 — Surveyed in 2021

 Manapi Base Camp  
45.9353°N, 6.4683°E

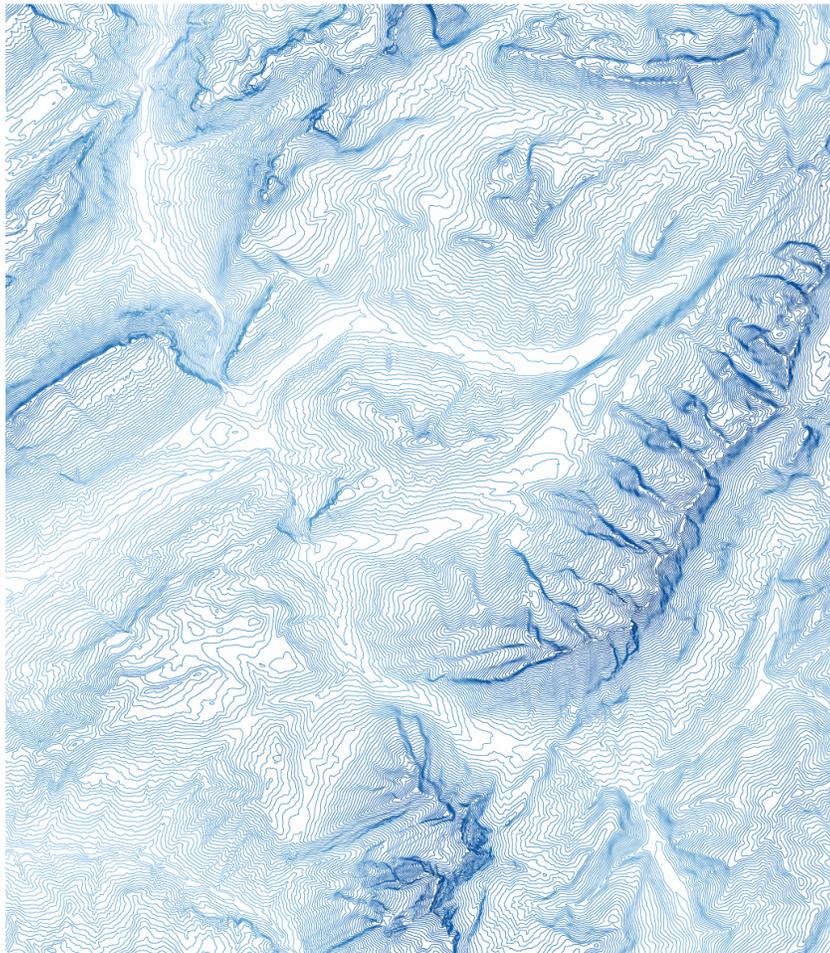


USGS  
Historical File  
Topographic Division

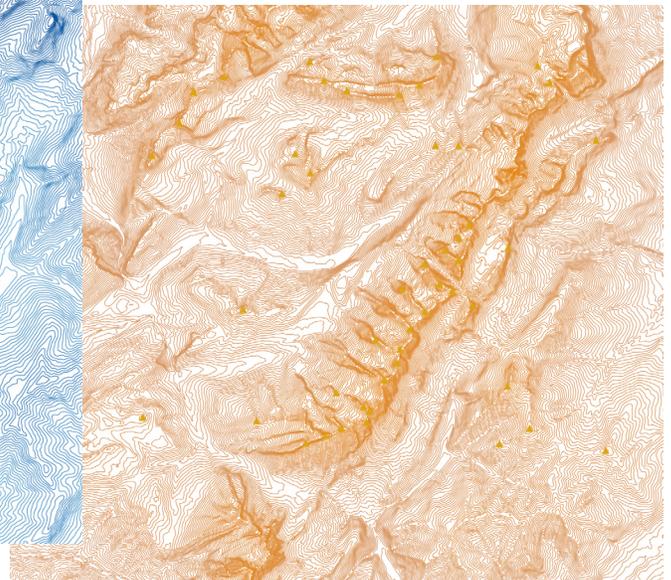
USGS Mammoth Cave pin, recreated as a stamp with La Grande Balmaz (the highest peak in this section of the Aravis.)



Detail of the map. The pink blocks represent individual buildings and the orange lines are ski lifts.



Topographic layer. Each contour line represents a 20-meter vertical elevation gain. I added a gradient from light to navy blue to emphasize relief. Below is a draft of the the same layer in solid orange.



## skills

Illustrator	////////////////
Photoshop	//////////
QGIS	//////////
ArcGIS	//////////

## contact

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